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MAJOR EARTHQUAKES

MAJOR SHALLOW FOCUS EARTHQUAKES
(h≤60k,M≥5.5)

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(403) North Atlantic Ridge						
ISC	**I 01 11 44 56.9**±.33	**34.41N**±.069	**37.38W**±.048	**10**	**4.5b,4.5s**	**98**	**27-167**
BJI	I 01 11 44 56.6	34.40N	37.40W	10	5.3b,5.5s		**¶97i0068**
NEIC	I 01 11 44 56.6	34.41N	37.35W	10	4.8b,4.8s		
EIDC	I 01 11 44 56.6	34.5N	37.3W	0	4.3b,4.4s		
MOS	I 01 11 44 58.3	34.6N	37.4W	10	5.4b		
	(266) Molucca Passage						
ISC	**I 02 12 31 14.3**±.22	**0.44N**±.037	**126.36E**±.059	**42**±3.1*	**4.8b,4.5s**	**106**	**7-159**
NEIC	I 02 12 31 14.3	0.45N	126.44E	41	5.1b		**¶97i0210**
MOS	I 02 12 31 15.7	0.5N	126.5E	57	5.5b		
EIDC	I 02 12 31 18.4	0.4N	126.6E	68	4.3b		
HRVD	I 02 12 31 19.1±.5	0.54N±.06	126.53E±.06	30±3.0			
BJI	I 02 12 31 20.6	1.06N	126.28E	61	4.9b,4.7s		

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c38; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}7.76±.42; $M_{\theta\theta}$−1.21±.37; $M_{\phi\phi}$−6.55±.61; $M_{r\theta}$8.69±1.26; $M_{r\phi}$1.04±1.25; $M_{\theta\phi}$−4.28±.46. Principal Axes: T 13.2,Plg58°,Azm8°; N −2.4, Plg25°,Azm231°; P −10.8,Plg19°,Azm131°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S187°,δ34°,λ41°. NP2:ϕ_S61°,δ69°,λ117°.

	(186) Vanuatu (New Hebrides)						
ISC	**I 02 18 20 20**±3.3	**14.17S**±.053	**166.71E**±.081	**15**±23	**5.0b,5.0s**	**175**	**4-153**
EIDC	I 02 18 20 17.6	14.2S	166.9E	0	4.8b,4.9s		**¶97i0259**
NEIC	I 02 18 20 20.8	14.17S	166.84E	33	5.1b,4.9s		
BJI	I 02 18 20 21.4	14.14S	166.96E	33	5.1b,5.1s		
MOS	I 02 18 20 22.1	14.2S	166.6E	33	5.5b		
HRVD	I 02 18 20 25.4±.3	14.03S±.06	166.24E±.05	18			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c40; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.04; $M_{\theta\theta}$−0.10±.05; $M_{\phi\phi}$−0.92±.05; $M_{r\theta}$0.77±.11; $M_{r\phi}$0.10±.13; $M_{\theta\phi}$0.45±.04. Principal Axes: T 1.45,Plg61°,Azm345°; N −0.30, Plg28°,Azm148°; P −1.14,Plg7°,Azm242°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S0°, δ45°,λ132°. NP2:ϕ_S129°,δ58°,λ56°.

	(671) Eastern Siberia						
ISC	**I 03 21 51 27**±2.3	**60.93N**±.029	**167.37E**±.040	**1**±14	**5.6b,5.0s**	**460**	**5-157**
KRSC	I 03 21 51 20.7	61.59N	167.91E	20	5.0b		**¶97i0432**
BJI	I 03 21 51 27.3	61.02N	167.32E	10	5.3b,5.4s		
NEIC	I 03 21 51 28.3	60.96N	167.40E	10	5.7b,4.9s		
MOS	I 03 21 51 28.5	61.0N	167.4E	10	6.0b,5.6s		
EIDC	I 03 21 51 28.5	61.0N	167.3E	0	5.2b,4.5s		
HRVD	I 03 21 51 31.6±.3	60.86N±.05	167.71E±.09	15			

KRSC Felt I=III MSK Khailino, Tilichiki, I=II Ossora

NEIC Mw5.4(GS), Me5.4(GS).

NEIC Mw 5.4 (HRV).

NEIC Radiated energy from the P−wave first−motion solution: 2.7±0.6×10^{12}Nm/10

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S215°,δ55°,λ90°. NP2:ϕ_S35°,δ35°,λ90°. Principal axes: T Plg80°,Azm125°; P Plg10°,Azm305°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}0.94; $M_{\theta\theta}$0.12; $M_{\phi\phi}$−1.06; $M_{r\theta}$−0.61; $M_{r\phi}$−0.76; $M_{\theta\phi}$−0.56. Depth 9km; Principal axes: T 1.35,Plg66°,Azm150°; N 0.28,Plg13°, Azm30°; P −1.63,Plg20°,Azm295°. Best double couple: $M_0$1.5×10^{17}Nm; NP1:ϕ_S3°,δ27°, λ61°. NP2:ϕ_S215°,δ66°,λ104°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c52; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.13±.33; $M_{\theta\theta}$−1.99±.39; $M_{\phi\phi}$−6.14±.35; $M_{r\theta}$−5.91±1.37; $M_{r\phi}$−8.96±1.78; $M_{\theta\phi}$−4.37±.46. Principal Axes: T 13.3,Plg64°,Azm124°; N 0.8,Plg1°,Azm33°; P −14.1,Plg26°,Azm303°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S31°,δ19°,λ88°. NP2:ϕ_S213°,δ71°,λ91°.

	(272) Seram						
ISC	**I 04 09 01 12**±1.3	**3.98S**±.041	**128.20E**±.057	**49**±12	**5.0b,**4.3s	**111**	**4-160**
NEIC	I 04 09 01 10.7	4.01S	128.13E	33	5.1b		**¶97i0508**
BJI	I 04 09 01 11.3	3.90S	128.58E	42	5.3b		
MOS	I 04 09 01 12.7	3.8S	127.6E	33	5.6b		
EIDC	I 04 09 01 13.3	4.0S	128.3E	41	4.6b		
	(309) Nepal-India border region						
ISC	**I 05 08 47 25**±1.6	**29.87N**±.035	**80.56E**±.024	**25**±11	**5.4b,5.3s**	**421**	**3-152**
EIDC	I 05 08 47 22.0	29.8N	80.5E	0	5.0b,5.0s		**¶97i0643**
BJI	I 05 08 47 24.3	29.83N	80.49E	32	5.5b,5.6s		
MOS	I 05 08 47 24.5	29.6N	80.6E	33	5.7b,5.3s		
NEIC	I 05 08 47 25.4	29.85N	80.53E	33	5.6b,5.3s		
HRVD	I 05 08 47 31.6±.4	29.43N±.04	80.29E±.04	15			

NEIC Mw5.6(HRV), Me5.3(GS). Damage.

NEIC Radiated energy from the P−wave first−motion solution: 1.7±0.4×10^{12}Nm/11

NEIC Mw 5.4 (GS). Many houses damaged in western Nepal. Felt at Baitadi and Dandeldhura.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ75°,λ80°. NP2:ϕ_S334°,δ18°,λ123°. Principal axes: T Plg59°,Azm16°; P Plg29°,Azm218°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}0.89; $M_{\theta\theta}$−0.75; $M_{\phi\phi}$−0.14; $M_{r\theta}$1.21; $M_{r\phi}$−0.59; $M_{\theta\phi}$−0.43. Depth 14km; Principal axes: T 1.80,Plg55°,Azm38°; N −0.40,Plg21°, Azm275°; P −1.40,Plg26°,Azm174°. Best double couple: $M_0$1.6×10^{17}Nm; NP1:ϕ_S225°,δ26°, λ37°. NP2:ϕ_S101°,δ75°,λ112°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c51; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.23±.04; $M_{\theta\theta}$−1.29±.06; $M_{\phi\phi}$0.07±.07; $M_{r\theta}$1.69±.20; $M_{r\phi}$−1.09±.17; $M_{\theta\phi}$0.70±.05. Principal Axes: T 2.29,Plg62°,Azm42°; N 0.32, Plg7°,Azm300°; P −2.61,Plg27°,Azm206°. Best double couple: $M_0$2.5×10^{17}Nm, NP1: ϕ_S279°,δ19°,λ68°. NP2:ϕ_S122°,δ73°,λ97°.

	(243) Taiwan region						
ISC	**I 05 10 34 20.1**±.30	**24.66N**±.022	**122.46E**±.021	**37**±3.1	**4.9b,5.0s**	**285**	**0-167**
TAP	I 05 10 34 16.9	24.62N	122.53E	1	5.8L		**¶97i0654**
HRVD	I 05 10 34 17.5±.4	24.92N±.05	122.18E±.10	27±5.1			
JMA	I 05 10 34 17.9±.7	24.62N±.04	122.38E±.05	30	4.9		
NEIC	I 05 10 34 19.4	24.68N	122.46E	33	5.3b,4.9s		
MOS	I 05 10 34 19.5	24.7N	122.4E	33	5.7b,5.1s		
BJI	I 05 10 34 21.4	24.92N	122.46E	29	5.5L,5.1b		
EIDC	I 05 10 34 24.8	24.7N	122.5E	68	4.2b,4.5s		

TAP Felt I=IV J, III Suao, Neicheng, II Ilan, Hwalien

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c28; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.35±.66; $M_{\theta\theta}$8.03±.59; $M_{\phi\phi}$−2.68±1.12; $M_{r\theta}$−2.55±1.61; $M_{r\phi}$0.69±1.62; $M_{\theta\phi}$−2.02±.51. Principal Axes: T 8.89,Plg10°,Azm191°; N −3.03,Plg4°,Azm281°; P −5.85,Plg79°,Azm34°. Best double couple: $M_0$7.4×10^{16}Nm, NP1: ϕ_S275°,δ35°,λ−98°. NP2:ϕ_S104°,δ55°,λ−85°.

NEIC Mw5.2(HRV).

BJI Ms5.3

	(87) Haiti region						
ISC	**I 08 06 43 05**±1.9	**17.68N**±.035	**72.20W**±.026	**6**±12	**5.3b,4.8s**	**318**	**5-155**
BJI	I 08 06 43 04.0	17.72N	72.23W	9			**¶97i1032**
NEIC	I 08 06 43 04.8	17.67N	72.21W	10	5.3b,4.8s		
MOS	I 08 06 43 07.7	18.1N	72.0W	10	5.7b,4.9s		
HRVD	I 08 06 43 09.3±.6	17.61N±.09	71.90W±.10	15			
EIDC	I 08 06 43 11.3	17.7N	72.2W	46	4.8b,4.5s		

NEIC Mw5.4(HRV)

NEIC Felt in Haiti.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}4.75±.46; $M_{\theta\theta}$−3.51±.60; $M_{\phi\phi}$−1.24±.74; $M_{r\theta}$9.67±1.65; $M_{r\phi}$−9.53±1.92; $M_{\theta\phi}$−0.91±.46. Principal Axes: T 15.6,Plg51°,Azm48°; N −3.2,Plg5°,Azm312°; P −12.4,Plg38°,Azm218°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S275°,δ8°,λ53°. NP2:ϕ_S132°,δ83°,λ95°.

	(10) Unimak Island region						
ISC	**I 09 07 52 16.7**±.21	**53.68N**±.043	**163.60W**±.043	**37**±1.4*	**5.0b,4.6s**	**255**	**2-145**
BJI	I 09 07 52 12.8	54.08N	164.04W	5	5.3b,5.0s		**¶97i1188**
HRVD	I 09 07 52 14.5±.1	53.11N±.01	163.18W±.02	41±1.3			
MOS	I 09 07 52 16.1	53.6N	163.8W	33	5.6b,4.8s		
NEIC	I 09 07 52 16.1	53.70N	163.55W	33	5.2b,4.5s		
EIDC	I 09 07 52 16.5	53.8N	163.5W	25	4.5b,4.1L		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c17; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.38; $M_{\theta\theta}$−1.85±.47; $M_{\phi\phi}$−0.01±.40; $M_{r\theta}$3.04±.85; $M_{r\phi}$1.73±1.10; $M_{\theta\phi}$−2.34±.68. Principal Axes: T 3.62,Plg63°,Azm342°; N 1.55, Plg6°,Azm240°; P −5.17,Plg26°,Azm147°. Best double couple: $M_0$4.4×10^{16}Nm, NP1: ϕ_S223°,δ19°,λ72°. NP2:ϕ_S62°,δ72°,λ96°.

NEIC Mw5.1(HRV), M_L5.0(PMR).

	(403) North Atlantic Ridge						
ISC	**I 09 08 50 16.7**±.18	**34.41N**±.041	**37.27W**±.024	**10**	**5.2b,5.2s**	**308**	**18-177**
EIDC	I 09 08 50 16.3	34.4N	37.3W	0	4.8b		**¶97i1194**
NEIC	I 09 08 50 16.6	34.46N	37.28W	10	5.2b,5.2s		
BJI	I 09 08 50 17.2	34.66N	37.34W	11	5.8b,5.5s		
MOS	I 09 08 50 17.9	34.7N	37.4W	10	5.6b,4.9s		
HRVD	I 09 08 50 19.1±.4	34.71N±.07	37.13W±.06	15			

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c30; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.05; $M_{\theta\theta}$−0.53±.06; $M_{\phi\phi}$−0.20±.07; $M_{r\theta}$0.08±.21; $M_{r\phi}$1.20±.20; $M_{\theta\phi}$−0.96±.07. Principal Axes: T 1.67,Plg49°,Azm248°; N 0.00, Plg33°,Azm26°; P −1.67,Plg22°,Azm131°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S264°,δ37°,λ153°. NP2:ϕ_S16°,δ74°,λ56°.

	(716) Kirgiziya						
ISC	**I 09 13 43 30.8**±.10	**41.02N**±.022	**74.32E**±.020	**16**	**5.6b,5.8s**	**625**	**2-149**
MOS	I 09 13 43 31.4	41.2N	74.2E	16	6.0b,5.9s		**¶97i1225**
NEIC	I 09 13 43 31.5	41.03N	74.28E	22	5.7b,5.8s		
BJI	I 09 13 43 31.9	41.25N	74.31E	26	5.7b,6.0s		
EIDC	I 09 13 43 32.1	40.9N	74.2E	21	5.2b,5.6s		
HRVD	I 09 13 43 35.3±.2	41.00N±.02	74.16E±.03	15			

CSEM Mw5.8. M_0=5.8±1.3×10^{17}Nm. Fault plane solution. NP1:ϕ_S101°,δ48°,λ84°. NP2:ϕ_S290°, δ42°,λ97°. Principal axes: T Plg85°,Azm318°; N Plg4°,Azm105°; P Plg3°,Azm951°

MOS Felt I=VII MSK at Kosh−Tebe; I=VI at Kazarman; I=V at Min−Kush; I=IV at Uzgen, Dzhalal−Abad, Naryn, Sufi−Kurgan, Talas, Osh; I=III at Bishkek, Alma−Ata.

MOS M_0=7.8×10^{17}Nm. Fault plane solution. NP1:ϕ_S258°,δ35°,λ65°. NP2:ϕ_S108°,δ59°,λ107°. Principal axes: T Plg71°,Azm56°; N Plg14°,Azm279°; P Plg12°,Azm186°

NEIC Mw5.9(OBN), Me5.6(GS)

NEIC Radiated energy from the P−wave first−motion solution: 5.6±1.2×10^{12}Nm/11

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S85°,δ55°,λ90°. NP2:ϕ_S265°,δ35°,λ90°. Principal axes: T Plg80°,Azm355°; P Plg10°,Azm175°. Depth from synthetics of broadband displacement seismograms.

NEIC Mw 5.8 (HRV), 5.7 (GS). At least 10 houses destroyed and 400 others damaged in the Dzhergetal area. Felt I=VII MM at Koshtebe;

NEIC Moment tensor solution: s28, scale 10^{17}Nm; M_{rr}3.86; $M_{\theta\theta}$−3.93; $M_{\phi\phi}$0.07; $M_{r\theta}$1.17; $M_{r\phi}$0.49; $M_{\theta\phi}$0.57. Depth 14km; Principal axes: T 4.11,Plg78°,Azm317°; N 0.04,Plg9°,Azm96°; P −4.16,Plg8°,Azm187°. Best double couple: $M_0$4.1×10^{17}Nm; NP1:ϕ_S287°,δ38°,λ105°. NP2: ϕ_S89°,δ53°,λ79°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c75; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.99±.08; $M_{\theta\theta}$−4.49±.10; $M_{\phi\phi}$−0.50±.10; $M_{r\theta}$2.59±.31; $M_{r\phi}$1.81±.29; $M_{\theta\phi}$−0.11±.09. Principal Axes: T 6.10,Plg70°,Azm312°; N −0.88, Plg12°,Azm79°; P −5.22,Plg15°,Azm173°. Best double couple: $M_0$5.7×10^{17}Nm, NP1: ϕ_S280°,δ32°,λ114°. NP2:ϕ_S72°,δ61°,λ76°.

	(109) Near coast of Northern Peru						
ISC	**I 10 11 47 53**±1.5	**5.78S**±.068	**80.9W**±.11	**58**±13	**4.6b,**4.8s	**69**	**4-167**
NEIC	I 10 11 47 49.5	5.81S	80.96W	33	4.7b		**¶97i1354**
BJI	I 10 11 47 52.5	5.80S	80.90W	33	5.7s		
EIDC	I 10 11 47 53.9	5.7S	80.6W	59	4.1b,4.2s		
IGQ	I 10 11 47 59.7	5.1S	80.9W	24	5.0b		
	(403) North Atlantic Ridge						
ISC	**I 11 12 55 43.5**±.38	**32.91N**±.067	**39.91W**±.062	**10**	**4.5b,4.7s**	**90**	**27-169**
MOS	I 11 12 55 42.0	32.7N	39.9W	10	5.2b		**¶97i1524**
NEIC	I 11 12 55 42.7	32.78N	39.90W	10	4.8b,4.7s		
EIDC	I 11 12 55 43.2	32.8N	39.8W	0	4.2b		
BJI	I 11 12 55 44.0	32.82N	39.87W	24	5.3b,5.5s		
HRVD	I 11 12 55 47.9±.5	32.74N±.15	39.59W±.13	15			

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c18; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.22±.54; $M_{\theta\theta}$−0.46±1.06; $M_{\phi\phi}$5.68±.62; $M_{r\theta}$−1.32±3.30; $M_{r\phi}$2.32±2.68; $M_{\theta\phi}$1.37±.44. Principal Axes: T 6.33,Plg10°,Azm279°; N −0.20,Plg17°,Azm186°; P −6.13,Plg70°,Azm39°. Best double couple: $M_0$6.2×10^{16}Nm, NP1: ϕ_S29°,δ38°,λ−62°. NP2:ϕ_S175°,δ57°,λ−110°.

	(57) Michoacan, Mexico						
ISC	**I 11 20 28 28.0**±.48	**18.17N**±.030	**102.83W**±.028	**49**±3.6	**6.4b,7.0s**	**682**	**1-152**
NEIC	I 11 20 28 26.0	18.22N	102.76W	33	6.5b,6.9s		**¶97i1574**
MOS	I 11 20 28 27.1	18.5N	102.8W	33	7.1b,7.2s		
MEX	I 11 20 28 27.2	17.9N	103.0W	16	4.5D		
BJI	I 11 20 28 27.4	18.57N	102.79W	33	6.1b,7.4s		
EIDC	I 11 20 28 33.6	18.4N	102.6W	86	5.5b,6.8s		
HRVD	I 11 20 28 39.6±.1	18.34N	102.58W±.01	40			

NEIC Mw7.2(GS), Me7.0(GS). Casualties.

NEIC Radiated energy from the P−wave first−motion solution: 7.4±1.7×10^{14}Nm/13

NEIC Mw 7.2 (HRV). One person killed and extensive damage in the Arteaga area. Felt strongly in much of Michoacan and at Mexico City. Also felt in Colima, Guerrero and Jalisco. M_0=7.5×10^{19}Nm (PPT).

NEIC Moment tensor solution: s22, scale 10^{19}Nm; M_{rr}0.11; $M_{\theta\theta}$−0.39; $M_{\phi\phi}$0.28; $M_{r\theta}$5.89; $M_{r\phi}$−2.41; $M_{\theta\phi}$−0.14. Depth 11km; Principal axes: T 6.33,Plg46°,Azm25°; N 0.09,Plg3°, Azm292°; P −6.42,Plg44°,Azm199°. Best double couple: $M_0$6.4×10^{19}Nm; NP1:ϕ_S215°,δ3°, λ13°. NP2:ϕ_S112°,δ89°,λ93°.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ88°,λ−115°. NP2:ϕ_S191°,δ25°,λ−5°.

Principal axes: T Plg38°,Azm37°; P Plg42°,Azm171°. Complex earthquake, with at least one event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms, based on second event.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c108; Mantle waves: s44,c107; Half duration: 9±4. Moment tensor: Scale 10^{19}Nm; M_{rr}−1.44±.01; $M_{\theta\theta}$0.50±.01; $M_{\phi\phi}$0.94±.01; $M_{r\theta}$5.17±.03; $M_{r\phi}$−2.05±.03; $M_{\theta\phi}$−2.14±.01. Principal Axes: T 6.39,Plg35°,Azm35°; N −0.66,Plg16°,Azm294°; P −5.73,Plg51°,Azm183°. Best double couple: $M_0$6.1×10^{19}Nm, NP1:ϕ_S175°,δ18°,λ−28°. NP2:ϕ_S292°,δ82°,λ−106°.

(372) Cyprus

ISC	**I**	**13 10 19 24.5**±.48	**34.29N**±.017	**32.31E**±.018	**19**±4.1	**5.2b,5.3s**	**510**	**1-151**	
BJI	I	13 10 19 24.4	34.40N	32.14E	33	5.2b,5.6s			**¶97i1822**
IPRG	I	13 10 19 25.4±.65	34.3N	32.5E	10±5.2	5.9L,5.6b			
THE	I	13 10 19 25.6	34.3N	32.4E	17	5.2L			
MOS	I	13 10 19 26.0	34.3N	32.3E	33	5.8b,5.1s			
NEIC	I	13 10 19 26.1	34.31N	32.33E	33	5.3b,5.4s			
EIDC	I	13 10 19 28.1	34.3N	32.3E	37	4.9b,5.2s			
HRVD	I	13 10 19 28.3±.3	34.09N±.03	31.74E±.03	33				

ISC Felt I=VI MM at Limassol, I=V at Pafos,

NEIC M_L5.9(CSS), Mw5.7(GS)

NEIC Mw 5.7 (HRV). Felt in Israel and Lebanon. Also felt at Cairo, Egypt.

NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}0.09; $M_{\theta\theta}$2.36; $M_{\phi\phi}$−2.45; $M_{r\theta}$1.27; $M_{r\phi}$0.78; $M_{\theta\phi}$2.81. Depth 15km; Principal axes: T 4.19,Plg20°,Azm335°; N −0.43,Plg70°,Azm164°; P −3.76,Plg3°,Azm66°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S112°,δ74°,λ12°. NP2: ϕ_S19°,δ78°,λ164°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c59; Half duration: 1±8. Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.08; $M_{\theta\theta}$1.01±.11; $M_{\phi\phi}$−1.14±.09; $M_{r\theta}$−0.73±.18; $M_{r\phi}$1.17±.18; $M_{\theta\phi}$3.60±.10. Principal Axes: T 3.70,Plg2°,Azm323°; N 0.56, Plg73°,Azm227°; P −4.25,Plg17°,Azm54°. Best double couple: $M_0$4.0×10^{17}Nm, NP1:ϕ_S97°, δ76°,λ−11°. NP2:ϕ_S190°,δ79°,λ−166°.

(215) Marianas region

ISC	**I**	**13 13 18 50**±1.2	**16.88N**±.031	**147.09E**±.049	**44**±11	**5.0b,5.3s**	**162**	**4-170**	
BJI	I	13 13 18 47.9	16.95N	147.40E	35	4.8b,5.3s			**¶97i1844**
NEIC	I	13 13 18 49.0	16.91N	147.07E	33	5.1b,5.2s			
MOS	I	13 13 18 50.3	17.0N	146.8E	33	5.6b,5.3s			
EIDC	I	13 13 18 50.3	16.9N	147.2E	36	4.8b,5.1s			
HRVD	I	13 13 18 54.1±.3	16.57N±.05	147.32E±.04	18				

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c53; Half duration: 1±6. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03±.05; $M_{\theta\theta}$0.46±.09; $M_{\phi\phi}$−1.50±.07; $M_{r\theta}$−0.43±.15; $M_{r\phi}$2.28±.18; $M_{\theta\phi}$−0.14±.06. Principal Axes: T 2.48,Plg58°,Azm246°; N 0.37, Plg10°,Azm352°; P −2.85,Plg31°,Azm88°. Best double couple: $M_0$2.7×10^{17}Nm, NP1: ϕ_S207°,δ17°,λ126°. NP2:ϕ_S350°,δ76°,λ80°.

(210) South of the Marianas

ISC	**I**	**14 21 11 17**±1.2	**12.71N**±.046	**143.69E**±.070	**39**±12	**4.7b,5.2s**	**86**	**1-149**	
EIDC	I	14 21 11 14.0	12.6N	143.7E	0	4.3b,4.9s			**¶97i2058**
BJI	I	14 21 11 16.0	12.74N	143.82E	30	5.2b,5.4s			
MOS	I	14 21 11 17.0	12.7N	143.7E	33	5.5b,5.2s			
NEIC	I	14 21 11 17.2	12.68N	143.72E	33	4.9b			
HRVD	I	14 21 11 20.9±.3	12.58N±.02	143.57E±.03	32±2.5				

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c58; Half duration: 1±2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.04; $M_{\theta\theta}$−1.29±.05; $M_{\phi\phi}$−0.20±.05; $M_{r\theta}$−0.55±.14; $M_{r\phi}$0.41±.11; $M_{\theta\phi}$−0.06±.04. Principal Axes: T 1.69,Plg74°,Azm229°; N −0.29,Plg12°,Azm93°; P −1.40,Plg11°,Azm1°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S76°,δ36°,λ69°. NP2:ϕ_S281°,δ57°,λ104°.

(243) Taiwan region

ISC	**I**	**16 01 07 18.7**±.70	**21.86N**±.029	**121.44E**±.032	**20**±4.7	**5.2b,4.8s**	**269**	**0-169**	
NEIC	I	16 01 07 19.8	21.88N	121.46E	30	5.3b,4.5s			**¶97i2232**
MOS	I	16 01 07 20.0	21.9N	121.5E	33	5.5b,4.9s			
BJI	I	16 01 07 20.3	22.13N	121.27E	19	4.8L,5.0b			
TAP	I	16 01 07 20.4	22.01N	121.30E	9	5.4L			
EIDC	I	16 01 07 24.2	21.9N	121.6E	60	4.6b,4.6L			

NEIC Felt.

BJI Ms4.9

TAP Felt I=IV J Lanyu, II Hengchun

(57) Michoacan, Mexico

ISC	**I**	**16 21 41 09.1**±.82	**18.07N**±.056	**102.71W**±.053	**43**±5.1	**5.5b,5.3s**	**326**	**1-152**	
NEIC	I	16 21 41 07.0	18.10N	102.68W	28	5.6b,4.9s			**¶97i2363**
BJI	I	16 21 41 07.8	18.18N	102.36W	39	5.7s			
EIDC	I	16 21 41 08.4	18.2N	102.6W	28	4.7b			
MOS	I	16 21 41 10.1	18.5N	102.7W	33	5.9b			
MEX	I	16 21 41 10.1	17.9N	102.8W	25	5.1D			
HRVD	I	16 21 41 16.9±.3	18.23N±.02	102.55W±.02	47±1.6				

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c54; Half duration: 1±4. Moment tensor: Scale 10^{17}Nm; M_{rr}2.07±.05; $M_{\theta\theta}$−1.92±.07; $M_{\phi\phi}$−0.15±.09; $M_{r\theta}$−0.46±.08; $M_{r\phi}$0.42±.08; $M_{\theta\phi}$0.66±.05. Principal Axes: T 2.17,Plg80°,Azm240°; N 0.04, Plg7°,Azm110°; P −2.21,Plg8°,Azm19°. Best double couple: $M_0$2.2×10^{17}Nm, NP1:ϕ_S102°, δ38°,λ79°. NP2:ϕ_S295°,δ53°,λ98°.

(238) Ryūkyū Islands

ISC	**I**	**17 15 37 06.8**±.32	**28.73N**±.023	**130.05E**±.025	**35**±3.1	**5.0b,4.9s**	**341**	**0-167**	
EIDC	I	17 15 37 03.0	28.8N	129.9E	0	4.7b,4.6L			**¶97i2477**
BJI	I	17 15 37 06.3	28.70N	130.02E	33	4.5L,5.3b			
MOS	I	17 15 37 06.6	28.8N	130.0E	33	5.5b			
NEIC	I	17 15 37 06.6	28.75N	130.02E	33	5.2b			
JMA	I	17 15 37 07.3±.1	28.77N±.02	129.94E±.04	39±4	4.9			

BJI Ms5.1

(238) Ryūkyū Islands

ISC	**I**	**17 15 53 12.6**±.57	**28.80N**±.018	**129.97E**±.021	**27**±4.2	**5.8b,6.3s**	**711**	**0-171**	
EIDC	I	17 15 53 09.7	28.8N	129.8E	0	5.3b,6.1s			**¶97i2479**
BJI	I	17 15 53 12.7	28.71N	130.04E	34	6.0b,6.4s			
MOS	I	17 15 53 13.3	28.8N	130.0E	33	6.3b,6.6s			
JMA	I	17 15 53 13.4±.1	28.75N±.01	130.06E±.03	43±4	5.8			
NEIC	I	17 15 53 13.4	28.81N	129.95E	33	5.9b,6.3s			
HRVD	I	17 15 53 17.1±.1	28.76N±.01	129.83E±.02	15				

JMA Felt I=IV J1

NEIC Mw6.3(HRV), Me5.8(GS).

NEIC Mw 6.2 (GS).

NEIC Radiated energy from the P−wave first−motion solution: 1.3±0.4×10^{13}Nm/10

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S30°,δ88°,λ70°. NP2:ϕ_S295°,δ20°,λ174°. Principal axes: T Plg44°,Azm281°; P Plg40°,Azm138°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s25, scale 10^{18}Nm; M_{rr}0.61; $M_{\theta\theta}$−0.83; $M_{\phi\phi}$0.22; $M_{r\theta}$0.59; $M_{r\phi}$2.34; $M_{\theta\phi}$0.00. Depth 6km; Principal axes: T 2.82,Plg48°,Azm280°; N −0.75,Plg7°,Azm18°; P −2.07,Plg42°,Azm115°. Best double couple: $M_0$2.4×10^{18}Nm; NP1:ϕ_S266°,δ8°,λ157°. NP2: ϕ_S18°,δ87°,λ83°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c95; Mantle waves: s18,c22; Half duration: 3±1. Moment tensor: Scale 10^{18}Nm; M_{rr}0.23±.01; $M_{\theta\theta}$−0.21±.01; $M_{\phi\phi}$−0.02±.01; $M_{r\theta}$1.27±.04; $M_{r\phi}$2.37±.04; $M_{\theta\phi}$−0.47±.01. Principal Axes: T 2.62,Plg48°,Azm290°; N 0.23,Plg7°,Azm28°; P −2.84,Plg41°,Azm124°. Best double couple: $M_0$2.7×10^{18}Nm, NP1:ϕ_S272°,δ8°,λ154°. NP2:ϕ_S28°,δ86°,λ83°.

(410) South Atlantic Ridge

ISC	**I**	**17 23 24 10.5**±.27	**47.46S**±.057	**13.45W**±.077	**10**	**5.1b,5.6s**	**156**	**23-172**	
EIDC	I	17 23 24 09.2	47.4S	13.4W	0	5.0b,5.4s			**¶97i2560**
BJI	I	17 23 24 09.7	47.74S	13.40W	8	5.9s			
NEIC	I	17 23 24 09.8	47.42S	13.45W	10	5.4b,5.7s			
MOS	I	17 23 24 10.7	47.5S	13.3W	10	5.6b			
HRVD	I	17 23 24 16.2±.1	47.37S±.03	12.99W±.03	15				

NEIC Mw5.8(HRV), Mw5.6(GS), Less reliable solution.

NEIC Moment tensor solution: s13, scale 10^{17}Nm; M_{rr}−3.41; $M_{\theta\theta}$0.25; $M_{\phi\phi}$3.14; $M_{r\theta}$−0.02; $M_{r\phi}$0.13; $M_{\theta\phi}$−0.16. Depth 5km; Principal axes: T 3.15,Plg1°,Azm267°; N 0.26,Plg0°, Azm177°; P −3.41,Plg89°,Azm75°. Best double couple: $M_0$3.3×10^{17}Nm; NP1:ϕ_S357°,δ44°, λ−90°. NP2:ϕ_S177°,δ46°,λ−90°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c75; Half duration: 1±8. Moment tensor: Scale 10^{17}Nm; M_{rr}−4.55±.08; $M_{\theta\theta}$−0.35±.12; $M_{\phi\phi}$4.90±.09; $M_{r\theta}$−0.68±.26; $M_{r\phi}$0.85±.40; $M_{\theta\phi}$−0.70±.09. Principal Axes: T 5.08,Plg6°,Azm262°; N −0.37, Plg7°,Azm171°; P −4.72,Plg81°,Azm29°. Best double couple: $M_0$4.9×10^{17}Nm, NP1:ϕ_S0°, δ40°,λ−78°. NP2:ϕ_S165°,δ51°,λ−100°.

(263) Talaud Islands

ISC	**I**	**18 08 04 09.2**±.19	**4.00N**±.033	**126.36E**±.050	**33**	**4.9b,4.2s**	**136**	**3-161**	
NEIC	I	18 08 04 09.0	4.05N	126.38E	33	5.0b			**¶97i2630**
MOS	I	18 08 04 10.2	4.2N	126.6E	33	5.6b			
EIDC	I	18 08 04 10.4	3.9N	126.3E	32	4.6b,4.0s			
BJI	I	18 08 04 12.5	4.31N	126.42E	38	4.9b,4.5s			
HRVD	I	18 08 04 17.0±.5	4.22N±.04	126.71E±.07	33				

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c29; Half duration: 1±0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.84±.70; $M_{\theta\theta}$5.34±.55; $M_{\phi\phi}$1.50±1.17; $M_{r\theta}$−5.63±1.67; $M_{r\phi}$8.43±1.28; $M_{\theta\phi}$−0.50±.57. Principal Axes: T 9.9,Plg30°,Azm219°; N 3.3, Plg11°,Azm315°; P −13.2,Plg58°,Azm63°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S278°,δ18°,λ−128°. NP2:ϕ_S138°,δ76°,λ−79°.

(248) Philippine Islands region

ISC	**I**	**19 04 33 23.1**±.12	**19.99N**±.022	**121.44E**±.028	**39**	**5.6b,5.6s**	**480**	**4-174**	
BJI	I	19 04 33 21.7	20.08N	121.26E	28	5.0L,5.6b			**¶97i2779**
NEIC	I	19 04 33 22.3	19.98N	121.42E	33	5.7b,5.4s			
HRVD	I	19 04 33 22.8±.2	19.99N±.02	121.10E±.02	19				
MOS	I	19 04 33 24.2	20.3N	121.4E	33	5.9b,5.7s			
EIDC	I	19 04 33 25.1	20.0N	121.4E	44	5.0b,5.5s			

BJI Ms5.6

NEIC Mw5.9(HRV), Me5.6(GS).

NEIC Mw 5.8 (GS).

NEIC Radiated energy from the P−wave first−motion solution: 5.1±1.6×10^{12}Nm/4

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ70°,λ120°. NP2:ϕ_S341°,δ36°,λ36°. Principal axes: T Plg55°,Azm168°; P Plg19°,Azm288°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}2.43; $M_{\theta\theta}$0.58; $M_{\phi\phi}$−3.02; $M_{r\theta}$−3.67; $M_{r\phi}$−4.16; $M_{\theta\phi}$−1.28. Depth 8km; Principal axes: T 6.11,Plg55°,Azm147°; N 0.42,Plg14°, Azm36°; P −6.53,Plg31°,Azm298°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S351°,δ19°, λ43°. NP2:ϕ_S219°,δ77°,λ104°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c62; Half duration: 2±2. Moment tensor: Scale 10^{17}Nm; M_{rr}4.74±.09; $M_{\theta\theta}$0.05±.10; $M_{\phi\phi}$−4.79±.12; $M_{r\theta}$−3.30±.21; $M_{r\phi}$−3.79±.20; $M_{\theta\phi}$−1.49±.10. Principal Axes: T 7.11,Plg64°,Azm147°; N −0.05,Plg13°,Azm28°; P −7.06,Plg22°,Azm292°. Best double couple: $M_0$7.1×10^{17}Nm, NP1: ϕ_S358°,δ26°,λ58°. NP2:ϕ_S213°,δ68°,λ104°.

(7) Andreanof Islands

ISC	**I**	**19 05 32 14.1**±.83	**51.53N**±.040	**178.21W**±.037	**48**±7.3	**5.2b,5.2s**	**373**	**1-155**	
MOS	I	19 05 32 11.8	51.4N	178.3W	33	5.7b,5.3s			**¶97i2789**
NEIC	I	19 05 32 12.1	51.51N	178.22W	33	5.2b,5.1s			
BJI	I	19 05 32 12.5	51.60N	178.49W	32	5.7b,5.3s			
HRVD	I	19 05 32 15.1±.2	51.51N±.02	177.79W±.03	41				
EIDC	I	19 05 32 16.8	51.5N	178.1W	64	4.6b,4.9s			

NEIC Mw5.7(HRV), M_L5.7(PMR). Felt.

NEIC Felt on Adak.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c83; Half duration: 1±7. Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.05; $M_{\theta\theta}$−2.20±.07; $M_{\phi\phi}$−0.35±.05; $M_{r\theta}$2.07±.11; $M_{r\phi}$1.86±.12; $M_{\theta\phi}$−1.02±.09. Principal Axes: T 3.83,Plg65°,Azm307°; N −0.04, Plg9°,Azm57°; P −3.79,Plg23°,Azm151°. Best double couple: $M_0$3.8×10^{17}Nm, NP1:ϕ_S259°, δ23°,λ114°. NP2:ϕ_S53°,δ69°,λ80°.

(13) Kodiak Island region

ISC	**I**	**20 13 16 37.5**±.21	**56.52N**±.023	**152.78W**±.043	**33**	**4.8b,5.2s**	**260**	**1-149**	
BJI	I	20 13 16 32.6	56.46N	153.39W	5	4.9b,5.4s			**¶97i3004**
EIDC	I	20 13 16 33.3	56.4N	153.0W	0	4.6b,4.8s			
MOS	I	20 13 16 35.2	55.9N	153.8W	33	5.5b,5.1s			
NEIC	I	20 13 16 37.0	56.47N	152.92W	33	4.9b,5.0s			
HRVD	I	20 13 16 38.2±.5	55.82N±.09	152.84W±.11	47±8.1				

NEIC Mw5.3(HRV), M_L5.1(AEIC).

NEIC ML 5.0 (PMR).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c31; Half duration: 1±1. Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.40; $M_{\theta\theta}$−2.26±.60; $M_{\phi\phi}$0.58±.44; $M_{r\theta}$6.67±.74; $M_{r\phi}$5.82±.70; $M_{\theta\phi}$−2.87±.54. Principal Axes: T 8.2,Plg53°,Azm309°; N 2.2, Plg7°,Azm48°; P −10.4,Plg36°,Azm143°. Best double couple: $M_0$9.3×10^{16}Nm, NP1:ϕ_S268°, δ11°,λ130°. NP2:ϕ_S47°,δ82°,λ83°.

(321) Southern Xinjiang Province

ISC	**I**	**21 01 47 12**±1.4	**39.37N**±.029	**77.00E**±.030	**8**±8.8	**4.8b,5.9s**	**287**	**1-144**	
BJI	I	21 01 47 14.5	39.38N	76.94E	19	5.0b,6.2s			**¶97i3116**
MOS	I	21 01 47 15.5	39.4N	77.0E	33	5.1b			
NEIC	I	21 01 47 15.8	39.52N	76.93E	33	4.9b			
EIDC	I	21 01 47 20.6	39.5N	76.9E	65	4.2b,5.7s			

(321) Southern Xinjiang Province

ISC	**I**	**21 01 48 31**±1.5	**39.52N**±.056	**76.96E**±.053	**37**±14	**5.1b,5.9s**	**111**	**1-142**	
EIDC	I	21 01 48 27.2	39.5N	76.9E	0	5.0b			**¶97i3117**
HRVD	I	21 01 48 28.6±.2	39.51N±.03	77.26E±.03	33				
MOS	I	21 01 48 29.1	39.6N	77.5E	33	5.5b			
NEIC	I	21 01 48 30.1	39.47N	77.00E	33	5.3b,5.8s			
BJI	I	21 01 48 30.8	40.07N	77.04E	28	5.5b,6.3s			

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c70; Half duration: 2±1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.05±.11; $M_{\theta\theta}$−7.45±.17; $M_{\phi\phi}$7.50±.14; $M_{r\theta}$1.71±.30; $M_{r\phi}$1.11±.39; $M_{\theta\phi}$−0.04±.15. Principal Axes: T 7.66,Plg8°,Azm271°; N 0.17, Plg75°,Azm34°; P −7.83,Plg13°,Azm179°. Best double couple: $M_0$7.7×10^{17}Nm, NP1: ϕ_S315°,δ75°,λ−177°. NP2:ϕ_S224°,δ87°,λ−15°.

NEIC Mw5.9(HRV). Less reliable solution.

NEIC At least 12 people killed, 40 injured and 2,500 families homeless; about 14,000 homes destroyed, 17,000 additional homes damaged and 3,360 head of livestock killed in the Jiashi area. Felt at Aksu, Akto, Artux, Kashi and Wuqia.

(366) Turkey

ISC	**I**	**21 20 47 47.4**±.52	**38.08N**±.018	**29.00E**±.019	**18**±4.5	**4.9b,4.5s**	**398**	**0-120**	
RYD	I	21 20 47 33.7	39.42N	28.73E	43				**¶97i3226**
MOS	I	21 20 47 46.2	38.0N	29.0E	10	5.6b,4.4s			
ISK	I	21 20 47 46.6	38.12N	28.92E	9	4.8D			
NEIC	I	21 20 47 46.7	38.05N	29.03E	16	5.0b,4.3s			
BJI	I	21 20 47 46.9	38.19N	28.34E	37	5.0b,4.9s			
ATH	I	21 20 47 47.9	38.15N	28.93E	5	4.8L			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	I	21 20 47 48.6	38.1N	29.0E	16	4.7b,4.3s		
HRVD	I	21 20 47 50.2±.7	37.98N±.09	28.33E±.19	18±5.3			
THE	I	21 20 47 51.5	38.1N	28.9E	31	4.9L		

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c27; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.65±.90; $M_{\theta\theta}$4.90±.47; $M_{\phi\phi}$−0.25±1.10; $M_{r\theta}$3.14±1.95; $M_{r\phi}$−5.12±2.30; $M_{\theta\phi}$−1.72±1.01. Principal Axes: T 7.41,Plg24°,Azm30°; N 0.83,Plg20°,Azm129°; P −8.25,Plg58°,Azm255°. Best double couple: $M_0$7.8×10^{16}Nm, NP1: ϕ_S85°,δ28°,λ−138°. NP2:ϕ_S316°,δ72°,λ−69°.

(35) Near coast of Northern California

ISC	**I**	**22 07 17 17.7**±.46	**40.28N**±.053	**124.27W**±.066	**24**	**4.3b,5.1s**	**83**	**1-150**
EIDC	I	22 07 17 15.4	40.2N	124.6W	0	4.2b,5.1s		**¶97i3289**
NEIC	I	22 07 17 16.6	40.27N	124.39W	24	4.7b,5.1s		
MOS	I	22 07 17 22.0	40.8N	124.2W	33	5.3b,5.1s		
BJI	I	22 07 17 22.6	40.47N	123.80W	22	4.7b,5.5s		
HRVD	I	22 07 17 25.8±.2	40.33N±.02	124.75W±.03	18±1.6			

NEIC Mw5.7(HRV), M_D5.6(GM). Damage, After GM−P.

NEIC Mw 5.6 (BRK). Slight damage at Petrolia and Scotia. Felt strongly in parts of southern Humboldt County and felt as far north as Trinidad. Mo=2.9×10^{17}Nm (BRK).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 1$7. Moment tensor: Scale 10^{17}Nm; M_{rr}0.88±.05; $M_{\theta\theta}$−1.67±.06; $M_{\phi\phi}$0.80±.08; $M_{r\theta}$0.16±.16; $M_{r\phi}$−1.57±.23; $M_{\theta\phi}$−3.55±.06. Principal Axes: T 3.95,Plg25°,Azm57°; N 0.37, Plg64°,Azm214°; P −4.32,Plg9°,Azm323°. Best double couple: $M_0$4.1×10^{17}Nm, NP1:ϕ_S97°, δ66°,λ168°. NP2:ϕ_S192°,δ79°,λ24°.

(366) Turkey

ISC	**I**	**22 17 57 23.0**±.27	**36.19N**±.016	**35.94E**±.019	**45**±3.0	**5.3b,5.5s**	**545**	**0-133**
MOS	I	22 17 57 17.9	36.1N	35.9E	10	5.9b,5.4s		**¶97i3360**
BJI	I	22 17 57 18.5	36.40N	36.02E	11	5.5b,5.7s		
NEIC	I	22 17 57 18.7	36.25N	35.95E	10	5.4b,5.4s		
ISK	I	22 17 57 19.6	36.14N	36.12E	10	5.1D		
EIDC	I	22 17 57 22.1	36.3N	35.9E	20	5.1b,5.3s		
HRVD	I	22 17 57 24.4±.2	36.01N±.03	35.77E±.04	15			

NEIC Mw5.7(GS), M_L5.6(JER)

NEIC Mw 5.7 (HRV). At least five people injured and ten houses damaged at Antakya. Felt at Adana, Malatya and Mersin. Felt at Beirut and Tripoli, Lebanon. Also felt at Nicosia, Cyprus and in Syria.

NEIC Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}−0.40; $M_{\theta\theta}$−2.24; $M_{\phi\phi}$2.64; $M_{r\theta}$1.88; $M_{r\phi}$−2.76; $M_{\theta\phi}$1.31. Depth 15km; Principal axes: T 4.28,Plg30°,Azm92°; N 0.15,Plg40°, Azm333°; P −4.42,Plg36°,Azm207°. Best double couple: $M_0$4.4×10^{17}Nm; NP1:ϕ_S236°,δ40°, λ−6°. NP2:ϕ_S331°,δ86°,λ−130°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c49; Half duration: 1$8. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.21±.09; $M_{\theta\theta}$−2.12±.09; $M_{\phi\phi}$3.33±.09; $M_{r\theta}$−0.22±.33; $M_{r\phi}$−3.20±.33; $M_{\theta\phi}$1.74±.11. Principal Axes: T 5.35,Plg26°,Azm104°; N −2.05,Plg38°,Azm352°; P −3.30,Plg42°,Azm219°. Best double couple: $M_0$4.3×10^{17}Nm, NP1:ϕ_S243°,δ39°,λ−15°. NP2:ϕ_S345°,δ81°,λ−128°.

(289) Timor

ISC	**I**	**22 18 14 55.4**±.23	**8.79S**±.039	**124.36E**±.061	**33**	**4.9b**	**85**	**15-156**
EIDC	I	22 18 14 51.6	8.9S	124.1E	0	4.8b,5.3L		**¶97i3363**
MOS	I	22 18 14 55.2	8.8S	124.2E	33	5.6b		
NEIC	I	22 18 14 55.2	8.82S	124.29E	33	5.1b		
BJI	I	22 18 15 00.1	8.18S	124.07E	31	5.1b		

(201) West Irian

ISC	**I**	**23 00 51 14**±1.2	**3.07S**±.043	**136.55E**±.057	**51**±12	**5.0b,4.7s**	**101**	**4-149**
EIDC	I	23 00 51 07.9	3.0S	136.7E	0	4.9b,4.3L		**¶97i3414**
MOS	I	23 00 51 13.0	3.1S	136.5E	48	5.6b		
BJI	I	23 00 51 13.8	3.12S	137.04E	70	5.5b,4.7s		
NEIC	I	23 00 51 14.1	3.02S	136.48E	54	4.9b		

(190) New Ireland region

ISC	**I**	**24 05 17 26**±1.1	**5.60S**±.030	**153.97E**±.041	**41**±10	**5.5b,5.1s**	**231**	**2-161**
EIDC	I	24 05 17 24.6	5.6S	154.1E	19	5.0b,4.9s		**¶97i3601**
NEIC	I	24 05 17 29.7	5.61S	153.84E	71	5.4b		
HRVD	I	24 05 17 30.2±.2	5.86S±.02	153.84E±.02	39±1.5			
BJI	I	24 05 17 30.4	5.56S	153.79E	66	5.8b,5.2s		
MOS	I	24 05 17 31.2	5.2S	154.1E	70	5.9b,4.9s		

NEIC Mw5.6(HRV), Mw5.5(GS).

NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}1.57; $M_{\theta\theta}$−1.64; $M_{\phi\phi}$0.07; $M_{r\theta}$0.41; $M_{r\phi}$0.02; $M_{\theta\phi}$0.27. Depth 20km; Principal axes: T 1.63,Plg82°,Azm344°; N 0.11,Plg3°,Azm98°; P −1.73,Plg7°,Azm189°. Best double couple: $M_0$1.7×10^{17}Nm; NP1:ϕ_S282°,δ38°,λ95°. NP2: ϕ_S96°,δ52°,λ86°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c76; Half duration: 1$5. Moment tensor: Scale 10^{17}Nm; M_{rr}2.32±.04; $M_{\theta\theta}$−1.23±.06; $M_{\phi\phi}$−1.09±.06; $M_{r\theta}$1.15±.09; $M_{r\phi}$−0.35±.09; $M_{\theta\phi}$1.11±.04. Principal Axes: T 2.66,Plg74°,Azm1°; N −0.14, Plg10°,Azm128°; P −2.52,Plg13°,Azm221°. Best double couple: $M_0$2.6×10^{17}Nm, NP1: ϕ_S324°,δ33°,λ108°. NP2:ϕ_S122°,δ59°,λ78°.

(272) Seram

ISC	**I**	**25 06 03 18**±4.1	**3.85S**±.053	**127.67E**±.070	**23**±30	**4.8b**	**97**	**10-155**
BJI	I	25 06 03 17.3	4.24S	128.14E	45	5.0b,4.5s		**¶97i3756**
NEIC	I	25 06 03 18.0	3.81S	127.70E	22	5.0b		
EIDC	I	25 06 03 19.1	3.9S	127.6E	19	4.6b		
MOS	I	25 06 03 19.5	3.7S	127.8E	27	5.5b		

(558) Ethiopia

ISC	**I**	**26 06 58 26**±1.0	**12.05N**±.038	**41.78E**±.045	**25**±8.3	**4.6b,4.5s**	**117**	**1-127**
BJI	I	26 06 58 19.1	11.50N	41.53E	10	4.9b,5.1s		**¶97i3902**
DHMR	I	26 06 58 19.9	11.8N	41.5E	51	5.1L		
EIDC	I	26 06 58 22.5	12.1N	41.6E	0	4.6b		
NEIC	I	26 06 58 23.1	12.06N	41.79E	10	4.7b,4.3s		
ARO	I	26 06 58 24.4	12.0N	41.6E	5±6.1	5.2L		
MOS	I	26 06 58 25.7	12.6N	41.9E	10	5.5b		

NEIC Less reliable solution.

(632) South Pacific Ocean

ISC	**I**	**28 16 30 18.2**±.32	**27.63S**±.076	**136.2W**±.10	**10**	**5.2b,4.5s**	**183**	**55-166**
BJI	I	28 16 30 18.2	27.60S	136.20W	10			**¶97i4225**
NEIC	I	28 16 30 18.2	27.63S	136.16W	10	5.2b,4.5s		
EIDC	I	28 16 30 21.6	27.6S	136.2W	21	4.7b,4.4s		
MOS	I	28 16 30 21.9	26.8S	137.3W	10	5.6b		

(184) Santa Cruz Islands

ISC	**I**	**29 23 19 22**±1.6	**12.85S**±.044	**166.30E**±.045	**35**±15	**5.4b,5.8s**	**307**	**7-169**
EIDC	I	29 23 19 15.9	13.0S	166.7E	0	5.0b,5.5s		**¶97i4414**
NEIC	I	29 23 19 20.8	12.90S	166.38E	33	5.5b,6.0s		
BJI	I	29 23 19 21.0	12.76S	166.31E	30	5.7b,5.7s		
MOS	I	29 23 19 24.2	12.2S	166.2E	33	5.9b,5.9s		
HRVD	I	29 23 19 27.7±.1	12.87S±.01	166.26E±.01	36			

NEIC Mw6.2(HRV), Mw6.0(GS).

NEIC Moment tensor solution: s35, scale 10^{18}Nm; M_{rr}1.27; $M_{\theta\theta}$−0.38; $M_{\phi\phi}$−0.89; $M_{r\theta}$0.19; $M_{r\phi}$−0.23; $M_{\theta\phi}$0.53. Depth 28km; Principal axes: T 1.31,Plg83°,Azm43°; N −0.05,Plg2°, Azm147°; P −1.26,Plg7°,Azm238°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S330°,δ38°, λ93°. NP2:ϕ_S146°,δ52°,λ88°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s58,c121; Mantle waves: s50,c83; Half duration: 3$1. Moment tensor: Scale 10^{18}Nm; M_{rr}2.03±.01; $M_{\theta\theta}$−0.05±.01; $M_{\phi\phi}$−1.98±.01; $M_{r\theta}$0.45±.03; $M_{r\phi}$0.06±.03; $M_{\theta\phi}$0.65±.01. Principal Axes: T 2.13,Plg77°,Azm348°; N 0.05,Plg13°,Azm162°; P −2.18,Plg1°,Azm253°. Best double couple: $M_0$2.2×10^{18}Nm, NP1:ϕ_S355°,δ45°,λ108°. NP2:ϕ_S150°,δ48°,λ73°.

(184) Santa Cruz Islands

ISC	**I**	**29 23 31 11.4**±.73	**12.91S**±.075	**166.6E**±.12	**33**	**4.4b,**5.5s	**27**	**7-152**
NEIC	I	29 23 31 11.0	12.90S	166.59E	33	4.7b		**¶97i4417**
EIDC	I	29 23 31 11.1	13.0S	166.6E	22	4.0b,4.5L		
BJI	I	29 23 31 11.2	12.82S	166.45E	26	5.0b,5.5s		

NEIC Less reliable solution.

(310) Nepal

ISC	**I**	**31 20 02 14.2**±.17	**27.99N**±.035	**85.21E**±.028	**7**	**5.2b,4.7s**	**242**	**5-156**
BJI	I	31 20 02 14.9	28.05N	85.25E	7	4.6L,4.9b		**¶97i4667**
MOS	I	31 20 02 15.0	27.8N	85.3E	23	5.5b,4.8s		
NEIC	I	31 20 02 16.6	27.95N	85.13E	22	5.2b,4.8s		
EIDC	I	31 20 02 17.9	27.9N	85.2E	21	4.8b,4.3s		

BJI Ms4.8

NEIC Some damage to buildings in the Dhunche area. Felt at Kathmandu.

(173) Tonga

ISC	**II**	**01 18 34 37.6**±.23	**19.97S**±.045	**173.69W**±.050	**38**±3.1*	**5.1b,5.3s**	**235**	**6-163**
EIDC	II	01 18 34 33.4	19.8S	173.8W	0	4.9b,5.1s		**¶97ii0108**
NEIC	II	01 18 34 37.1	19.84S	173.82W	33	5.1b,5.3s		
HRVD	II	01 18 34 39.1±.4	20.05S±.05	173.02W±.04	15			
BJI	II	01 18 34 39.4	19.88S	173.87W	36	5.4b,5.6s		
MOS	II	01 18 34 45.0	19.1S	175.1W	33	5.7b,5.3s		

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c53; Half duration: 1$7. Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.05; $M_{\theta\theta}$−0.06±.08; $M_{\phi\phi}$−1.41±.07; $M_{r\theta}$1.11±.17; $M_{r\phi}$2.14±.20; $M_{\theta\phi}$−0.33±.05. Principal Axes: T 2.86,Plg60°,Azm305°; N −0.05, Plg6°,Azm203°; P −2.81,Plg29°,Azm110°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: ϕ_S182°,δ17°,λ67°. NP2:ϕ_S25°,δ75°,λ97°.

(341) Iran-USSR border region

ISC	**II**	**04 09 53 56.2**±.17	**37.66N**±.036	**57.32E**±.023	**10**	**5.2b,5.4s**	**426**	**2-149**
NEIC	II	04 09 53 55.7	37.56N	57.30E	10	5.3b,5.5s		**¶97ii0499**
EIDC	II	04 09 53 56.1	37.7N	57.3E	0	5.0b,4.9s		
BJI	II	04 09 53 56.2	37.92N	57.34E	8	5.5b,5.6s		
MOS	II	04 09 53 56.7	37.8N	57.3E	10	5.9b,5.2s		
HRVD	II	04 09 54 00.5±.3	37.99N±.04	57.54E±.04	15			

NEIC Mw5.5(GS), Mw5.5(HRV)

NEIC Felt at Bojnurd and in many parts of northeastern Iran.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}−0.01; $M_{\theta\theta}$−0.80; $M_{\phi\phi}$0.81; $M_{r\theta}$−0.17; $M_{r\phi}$0.57; $M_{\theta\phi}$1.61. Depth 10km; Principal axes: T 1.89,Plg12°,Azm300°; N 0.01,Plg72°, Azm170°; P −1.91,Plg13°,Azm33°. Best double couple: $M_0$1.9×10^{17}Nm; NP1:ϕ_S77°,δ72°, λ−1°. NP2:ϕ_S167°,δ89°,λ−162°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c43; Half duration: 1$3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.04; $M_{\theta\theta}$−0.92±.06; $M_{\phi\phi}$0.61±.04; $M_{r\theta}$0.14±.20; $M_{r\phi}$0.79±.11; $M_{\theta\phi}$1.29±.05. Principal Axes: T 1.75,Plg28°,Azm297°; N −0.05, Plg61°,Azm137°; P −1.70,Plg9°,Azm32°. Best double couple: $M_0$1.7×10^{17}Nm, NP1:ϕ_S78°, δ64°,λ15°. NP2:ϕ_S342°,δ77°,λ153°.

(341) Iran-USSR border region

ISC	**II**	**04 10 37 51.2**±.84	**37.74N**±.030	**57.29E**±.023	**36**±7.9	**5.8b,6.6s**	**609**	**2-149**
EIDC	II	04 10 37 46.0	37.5N	57.3E	0	5.3b,6.6s		**¶97ii0507**
BJI	II	04 10 37 46.6	37.69N	57.20E	10	6.0b,7.2s		
NEIC	II	04 10 37 47.1	37.66N	57.29E	10	5.9b,6.8s		
MOS	II	04 10 37 47.9	37.7N	57.2E	10	6.4b,6.6s		
HRVD	II	04 10 37 52.5±.1	37.82N±.01	57.50E±.01	15			

NEIC Me7.1(GS), Mw6.5(GS)

NEIC Radiated energy from the USGS moment tensor solution: 1.1±0.4×10^{15}Nm/13

NEIC Moment tensor solution: s23, scale 10^{18}Nm; M_{rr}0.91; $M_{\theta\theta}$−6.41; $M_{\phi\phi}$5.46; $M_{r\theta}$−0.23; $M_{r\phi}$−0.33; $M_{\theta\phi}$1.64. Depth 11km; Principal axes: T 5.71,Plg4°,Azm98°; N 0.92,Plg86°, Azm259°; P −6.63,Plg1°,Azm8°. Best double couple: $M_0$6.2×10^{18}Nm; NP1:ϕ_S143°,δ86°, λ178°. NP2:ϕ_S233°,δ88°,λ4°.

NEIC Mw 6.5 (HRV), 6.4 (OBN). About 100 people killed, nearly 2,000 injured, about 5,500 houses destroyed and 11,000 houses damaged in the Bojnurd-Shirvan area, Iran. Damage estimated at more than 30 million U.S. dollars. Felt in many parts of northeastern Iran, including Esfarayen, Mashhad, Neyshabur, Quchan and Sabzevar. Depth from synthetics of broadband displacement seismograms.

MOS Focal mechanism: C30,D7; NP1:ϕ_S245°,δ75,λ6°. NP1:ϕ_S154°,δ85°,λ164°. Principal axes: T Plg15°,Azm108°; N Plg74°, Azm315°; P Plg7°, Azm200° M_0 5.2×10^{18} Nm.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c135; Mantle waves: s53,c106; Half duration: 4$5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.18±.03; $M_{\theta\theta}$−5.87±.03; $M_{\phi\phi}$6.05±.03; $M_{r\theta}$1.49±.16; $M_{r\phi}$−0.29±.16; $M_{\theta\phi}$2.71±.03. Principal Axes: T 6.64,Plg0°,Azm282°; N 0.17,Plg77°,Azm14°; P −6.81,Plg13°,Azm192°. Best double couple: $M_0$6.7×10^{18}Nm, NP1:ϕ_S328°,δ81°,λ−171°. NP2:ϕ_S236°,δ81°,λ−9°.

CSEM Mw6.8. M_0=1.7±0.9×10^{19}Nm. Fault plane solution. NP1:ϕ_S243°,δ69°,λ9°. NP2:ϕ_S150°,δ82°, λ159°. Principal axes: T Plg21°,Azm105°; N Plg67°,Azm309°; P Plg9°,Azm198°

(686) West Chile Rise

ISC	**II**	**06 11 44 57**±1.1	**38.6S**±.20	**91.8W**±.15	**10**	**4.5b,5.5s**	**51**	**17-171**
EIDC	II	06 11 44 55.7	38.7S	92.0W	0	4.5b,5.4s		**¶97ii0828**
BJI	II	06 11 44 57.1	38.50S	91.70W	10	5.8s		
NEIC	II	06 11 44 57.1	38.46S	91.67W	10	4.6b		

NEIC Less reliable solution.

(173) Tonga

ISC	**II**	**07 08 41 15.1**±.13	**19.87S**±.027	**173.23W**±.032	**39**±1.9*	**6.0b,6.2s**	**631**	**6-163**
EIDC	II	07 08 41 09.8	19.9S	173.1W	0	5.9b,6.0s		**¶97ii0970**
BJI	II	07 08 41 13.1	19.78S	173.00W	26	6.1b,6.2s		
NEIC	II	07 08 41 13.4	19.86S	173.29W	28	6.0b,6.2s		
MOS	II	07 08 41 15.1	19.7S	173.4W	33	6.3b,6.2s		
HRVD	II	07 08 41 21.5±.1	19.85S±.01	172.85W±.01	33			

NEIC Mw6.4(GS), Me6.1(GS).

NEIC Mw 6.4 (HRV). Mo=1.2×10^{19}Nm (PPT).

NEIC Radiated energy from the P−wave first−motion solution: 3.6±0.7×10^{13}Nm/20

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S164°,δ64°,λ55°. NP2:ϕ_S42°,δ43°,λ140°. Principal axes: T Plg56°,Azm27°; P Plg12°,Azm279°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s42, scale 10^{18}Nm; M_{rr}3.19; $M_{\theta\theta}$0.04; $M_{\phi\phi}$−3.23; $M_{r\theta}$1.27; $M_{r\phi}$−1.89; $M_{\theta\phi}$0.75. Depth 29km; Principal axes: T 3.99,Plg70°,Azm40°; N 0.04,Plg11°, Azm161°; P −4.03,Plg17°,Azm254°. Best double couple: $M_0$4.0×10^{18}Nm; NP1:ϕ_S0°,δ30°, λ112°. NP2:ϕ_S155°,δ63°,λ78°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s62,c139; Mantle waves: s52,c100; Half duration: 4$0. Moment tensor: Scale 10^{18}Nm; M_{rr}4.02±.02; $M_{\theta\theta}$0.50±.02; $M_{\phi\phi}$−4.52±.02; $M_{r\theta}$2.06±.05; $M_{r\phi}$−0.90±.06; $M_{\theta\phi}$0.09±.02. Principal Axes: T 5.03,Plg65°,Azm11°; N −0.39,Plg24°,Azm173°; P −4.64,Plg7°,Azm266°. Best double couple: $M_0$4.8×10^{18}Nm, NP1:ϕ_S21°,δ43°,λ126°. NP2:ϕ_S156°,δ56°,λ61°.

(115) Near coast of Peru

ISC	**II**	**09 12 32 33**±2.5	**14.45S**±.035	**76.27W**±.042	**10**±15	**5.7b,5.9s**	**345**	**3-174**
NEIC	II	09 12 32 36.2	14.49S	76.28W	33	5.7b,5.8s		**¶97ii1307**
BJI	II	09 12 32 37.1	14.30S	76.37W	38	6.2s		
MOS	II	09 12 32 37.3	14.4S	76.2W	33	5.9b,5.8s		
EIDC	II	09 12 32 40.6	14.5S	76.2W	62	5.0b		
HRVD	II	09 12 32 41.7±.1	14.41S±.01	76.42W±.01	20			

NEIC Mw6.1(HRV), Me5.8(GS).

NEIC Mw 6.0 (GS). Mo=3.2×10^{18}Nm (PPT).
NEIC Radiated energy from the P−wave first−motion solution: 9.7±2.4×10^{12}Nm/11
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S0°,δ15°,λ90°. NP2:ϕ_S180°,δ75°,λ90°. Principal axes: T Plg60°,Azm90°; P Plg30°,Azm270°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s28, scale 10^{17}Nm; M_{rr}6.10; $M_{\theta\theta}$−0.50; $M_{\phi\phi}$−5.60; $M_{r\theta}$1.60; $M_{r\phi}$−9.40; $M_{\theta\phi}$0.60. Depth 19km; Principal axes: T 11.5,Plg61°,Azm79°; N −0.4,Plg1°, Azm171°; P −11.0,Plg29°,Azm262°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S355°,δ16°, λ94°. NP2:ϕ_S171°,δ74°,λ89°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c94; Mantle waves: s26,c37; Half duration: 2s9. Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01; $M_{\theta\theta}$−0.13±.01; $M_{\phi\phi}$−0.80±.01; $M_{r\theta}$0.26±.02; $M_{r\phi}$−1.35±.02; $M_{\theta\phi}$0.54±.01. Principal Axes: T 1.67,Plg61°,Azm92°; N 0.09,Plg11°,Azm343°; P −1.76,Plg27°,Azm247°. Best double couple: $M_0$1.7×10^{18}Nm, NP1:ϕ_S313°,δ21°,λ59°. NP2:ϕ_S166°,δ72°,λ101°.

(218) Near east coast of Kamchatka

ISC	**II**	**09 18 57 36**±1.6	**55.24N**±.027	**161.85E**±.039	**17**±11	**5.7b,5.5s**	**622**	**1-164**
BJI	II	09 18 57 36.0	55.15N	161.86E	31	5.5b,5.7s		**¶97ii1345**
NEIC	II	09 18 57 37.8	55.24N	161.94E	33	5.9b,5.3s		
KRSC	II	09 18 57 40.4	55.09N	162.29E	40	5.3b		
MOS	II	09 18 57 41.1	55.1N	162.0E	65	6.3b,5.6s		
EIDC	II	09 18 57 42.0	55.3N	161.8E	59	5.2b		
HRVD	II	09 18 57 42.8±.2	54.85N±.02	162.86E±.02	43±1.1			

NEIC Mw5.9(HRV), Me5.4(GS
NEIC Mw 5.7 (GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.5±0.9×10^{12}Nm/9
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ60°,λ60°. NP2:ϕ_S304°,δ41°,λ131°. Principal axes: T Plg62°,Azm296°; P Plg10°,Azm186°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s29, scale 10^{17}Nm; M_{rr}3.52; $M_{\theta\theta}$−0.71; $M_{\phi\phi}$−2.81; $M_{r\theta}$0.86; $M_{r\phi}$1.70; $M_{\theta\phi}$−1.43. Depth 32km; Principal axes: T 4.00,Plg76°,Azm297°; N 0.01,Plg0°, Azm207°; P −4.01,Plg14°,Azm117°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S207°,δ31°, λ90°. NP2:ϕ_S27°,δ59°,λ90°.
KRSC Felt I=IV MSK Kronoki, I=III Cape Shipunskii, Krutoberegovo, I=II−III Petropavlovsk, Kluchi
MOS Felt I=II MSK at Petropavlovsk−Kamchatskiy, Klyuchi.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c89; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}5.47±.07; $M_{\theta\theta}$−0.35±.11; $M_{\phi\phi}$−5.12±.09; $M_{r\theta}$2.43±.15; $M_{r\phi}$1.96±.17; $M_{\theta\phi}$−4.06±.11. Principal Axes: T 6.37,Plg72°,Azm350°; N 1.70, Plg14°,Azm214°; P −8.07,Plg12°,Azm121°. Best double couple: $M_0$7.2×10^{17}Nm, NP1: ϕ_S194°,δ35°,λ66°. NP2:ϕ_S43°,δ59°,λ106°.

(173) Tonga

ISC	**II**	**09 23 11 04.8**±.37	**20.24S**±.081	**173.61W**±.072	**39**±1.3*	**4.9b,4.6s**	**131**	**7-161**
NEIC	II	09 23 11 04.6	20.24S	173.63W	40	5.0b		**¶97ii1379**
BJI	II	09 23 11 04.9	20.24S	173.87W	30	5.4b,5.1s		
EIDC	II	09 23 11 05.9	20.3S	173.6W	40	4.6b,4.2s		
MOS	II	09 23 11 07.7	19.4S	173.7W	33	5.6b		
HRVD	II	09 23 11 07.7±1.3	20.06S±.16	173.08W±.12	40			

NEIC Mw5.0(HRV), Less reliable solution.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c13; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.46; $M_{\theta\theta}$−0.42±.64; $M_{\phi\phi}$−2.47±.57; $M_{r\theta}$0.60±.68; $M_{r\phi}$1.20±.76; $M_{\theta\phi}$−1.64±.53. Principal Axes: T 3.16,Plg78°,Azm299°; N 0.49, Plg0°,Azm209°; P −3.66,Plg12°,Azm119°. Best double couple: $M_0$3.4×10^{16}Nm, NP1: ϕ_S209°,δ33°,λ90°. NP2:ϕ_S29°,δ57°,λ90°.

(287) Sumba region

ISC	**II**	**10 19 25 22**±2.4	**9.57S**±.031	**119.50E**±.032	**3**±14	**5.5b,5.4s**	**298**	**4-153**
EIDC	II	10 19 25 23.6	9.6S	119.5E	0	5.3b,5.4s		**¶97ii1506**
BJI	II	10 19 25 26.1	9.69S	119.49E	33	5.9b,5.4s		
MOS	II	10 19 25 26.3	9.6S	119.5E	33	6.0b,5.3s		
NEIC	II	10 19 25 26.9	9.64S	119.51E	33	5.6b,5.6s		
HRVD	II	10 19 25 36.3±.3	9.77S±.02	119.55E±.03	45±1.9			

NEIC Mw5.9(HRV), Me5.6(GS).
NEIC Radiated energy from the USGS moment tensor solution: 5.0±1.6×10^{12}Nm/8
NEIC Mw 5.8 (GS). Two events about 1.5 seconds apart. Depth from synthetics of broadband displacement seismograms, based on first event.
NEIC Moment tensor solution: s20, scale 10^{17}Nm; M_{rr}2.54; $M_{\theta\theta}$−2.27; $M_{\phi\phi}$−0.27; $M_{r\theta}$5.55; $M_{r\phi}$−0.73; $M_{\theta\phi}$0.12. Depth 26km; Principal axes: T 6.23,Plg57°,Azm9°; N −0.27,Plg1°, Azm277°; P −5.96,Plg33°,Azm186°. Best double couple: $M_0$6.1×10^{17}Nm; NP1:ϕ_S271°,δ12°, λ84°. NP2:ϕ_S97°,δ78°,λ91°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c73; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}4.43±.18; $M_{\theta\theta}$−6.73±.19; $M_{\phi\phi}$2.30±.33; $M_{r\theta}$6.61±.33; $M_{r\phi}$−1.31±.22; $M_{\theta\phi}$1.08±.17. Principal Axes: T 7.61,Plg65°,Azm19°; N 2.38, Plg4°,Azm280°; P −9.99,Plg25°,Azm188°. Best double couple: $M_0$8.8×10^{17}Nm, NP1: ϕ_S268°,δ20°,λ77°. NP2:ϕ_S101°,δ70°,λ95°.

(5) Near Islands

ISC	**II**	**12 05 19 04.0**±.18	**52.07N**±.039	**171.29E**±.037	**41**±1.8*	**5.1b,5.0s**	**334**	**2-152**
BJI	II	12 05 19 02.1	52.27N	171.18E	31	5.4b,5.3s		**¶97ii1724**
NEIC	II	12 05 19 02.9	52.06N	171.34E	33	5.1b,4.9s		
HRVD	II	12 05 19 03.1±.2	52.21N±.03	171.10E±.05	15			
MOS	II	12 05 19 03.3	52.2N	171.3E	33	5.8b,4.9s		
EIDC	II	12 05 19 04.5	52.1N	171.2E	35	4.7b		

NEIC Mw5.5(HRV), M_L4.7(PMR)
NEIC Felt on Shemya.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c66; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.64±.04; $M_{\theta\theta}$0.54±.06; $M_{\phi\phi}$1.10±.04; $M_{r\theta}$−0.21±.17; $M_{r\phi}$−0.83±.23; $M_{\theta\phi}$−1.03±.05. Principal Axes: T 1.97,Plg9°,Azm55°; N 0.01, Plg21°,Azm149°; P −1.98,Plg67°,Azm303°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S122°,δ40°,λ−123°. NP2:ϕ_S343°,δ57°,λ−65°.

(254) Panay

ISC	**II**	**12 17 21 24.1**±.92	**10.28N**±.029	**121.65E**±.046	**39**±8.6	**5.0b,4.5s**	**128**	**4-169**
EIDC	II	12 17 21 19.7	10.3N	121.6E	0	4.9b		**¶97ii1799**
HRVD	II	12 17 21 22.4±.6	10.17N±.08	121.62E±.12	18±6.3			
BJI	II	12 17 21 22.9	10.25N	121.68E	32	5.2b,4.7s		
MOS	II	12 17 21 23.0	10.2N	121.6E	33	5.6b,4.6s		
NEIC	II	12 17 21 23.4	10.26N	121.56E	33	5.2b,4.6s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c20; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.16±1.27; $M_{\theta\theta}$3.21±.69; $M_{\phi\phi}$1.95±1.78; $M_{r\theta}$2.82±2.15; $M_{r\phi}$−5.12±2.80; $M_{\theta\phi}$0.17±.85. Principal Axes: T 5.42,Plg29°,Azm50°; N 3.01, Plg5°,Azm143°; P −8.42,Plg61°,Azm243°. Best double couple: $M_0$6.9×10^{16}Nm, NP1: ϕ_S126°,δ17°,λ−109°. NP2:ϕ_S325°,δ74°,λ−84°.
NEIC Mw5.2(HRV).

(254) Panay

ISC	**II**	**13 22 03 18**±2.2	**10.28N**±.036	**121.66E**±.056	**32**±16	**4.7b,4.3s**	**97**	**5-169**
BJI	II	13 22 03 16.9	10.25N	121.72E	32	5.0b,4.6s		**¶97ii1985**
MOS	II	13 22 03 17.3	10.2N	121.6E	33	5.5b		
NEIC	II	13 22 03 17.6	10.24N	121.63E	33	5.0b,4.2s		
EIDC	II	13 22 03 20.0	10.2N	121.6E	43	4.4b,4.1s		

(177) Kermadec Islands region

ISC	**II**	**14 17 36 27.2**±.32	**28.41S**±.079	**176.76W**±.062	**33**±2.5*	**5.2b,5.2s**	**204**	**1-167**
MOS	II	14 17 36 27.2	28.3S	176.8W	31	5.6b,5.2s		**¶97ii2090**
BJI	II	14 17 36 27.4	28.16S	176.69W	32	5.5b,5.2s		
NEIC	II	14 17 36 29.5	28.24S	176.84W	50	5.1b,5.1s		
HRVD	II	14 17 36 30.5±.3	28.14S±.04	176.54W±.04	33±2.6			
EIDC	II	14 17 36 36.9	28.2S	176.9W	102	4.7b		

NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c51; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.03; $M_{\theta\theta}$0.16±.06; $M_{\phi\phi}$−0.97±.05; $M_{r\theta}$0.49±.07; $M_{r\phi}$1.22±.11; $M_{\theta\phi}$−0.29±.04. Principal Axes: T 1.50,Plg62°,Azm300°; N 0.21, Plg6°,Azm199°; P −1.71,Plg27°,Azm107°. Best double couple: $M_0$1.6×10^{17}Nm, NP1: ϕ_S182°,δ18°,λ72°. NP2:ϕ_S21°,δ73°,λ96°.

(105) Near coast of Ecuador

ISC	**II**	**15 11 29 05**±3.7	**2.9S**±.12	**80.7W**±.44	**52**		**12**	**3-10**
IGQ	II	15 11 28 57.7	3.2S	81.2W	52	5.6b		**¶97ii2224**

(224) Hokkaido region

ISC	**II**	**20 07 55 00.9**±.28	**41.76N**±.018	**142.76E**±.029	**57**±2.7	**5.4b,5.7s**	**597**	**0-160**
BJI	II	20 07 54 57.4	41.76N	142.92E	40	5.7b,5.7s		**¶97ii2897**
NEIC	II	20 07 54 58.4	41.86N	142.74E	33	5.4b,5.5s		
MOS	II	20 07 54 59.3	41.9N	142.8E	40	5.9b,5.9s		
EIDC	II	20 07 54 59.9	41.8N	142.7E	37	5.1b,5.6s		
JMA	II	20 07 55 00.3±.1	41.76N±.01	142.88E±.01	49±3	5.7		
HRVD	II	20 07 55 03.1±.1	41.70N±.01	143.22E±.01	51			

NEIC Mw6.0(GS), Mw6.0(HRV)
NEIC Felt I=V J at Urakawa, Honshu. Felt in Aomori and Iwate Prefectures, Honshu. Kunashir. Mo=1.8×10^{18}Nm (PPT).
NEIC Moment tensor solution: s37, scale 10^{17}Nm; M_{rr}8.20; $M_{\theta\theta}$−2.90; $M_{\phi\phi}$−5.30; $M_{r\theta}$1.70; $M_{r\phi}$8.50; $M_{\theta\phi}$−4.00. Depth 41km; Principal axes: T 12.3,Plg64°,Azm268°; N −0.7,Plg12°, Azm24°; P −11.6,Plg23°,Azm119°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S232°,δ25°, λ120°. NP2:ϕ_S19°,δ69°,λ77°.
MOS Felt I=II−III MSK at Yuzno−Kurilsk.
JMA Felt I=VI J1
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c108; Mantle waves: s29,c33; Half duration: 2s5. Moment tensor: Scale 10^{17}Nm; M_{rr}7.94±.09; $M_{\theta\theta}$−1.77±.11; $M_{\phi\phi}$−6.17±.10; $M_{r\theta}$3.51±.14; $M_{r\phi}$7.66±.12; $M_{\theta\phi}$−4.16±.09. Principal Axes: T 11.5,Plg67°,Azm289°; N 0.7,Plg4°,Azm28°; P −12.2,Plg23°,Azm119°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S217°,δ23°,λ100°. NP2:ϕ_S26°,δ68°,λ86°.

(222) Kuril Islands region

ISC	**II**	**21 23 40 26.3**±.11	**43.70N**±.019	**149.09E**±.025	**54**±1.4*	**5.9b,5.8s**	**795**	**2-152**
EIDC	II	21 23 40 20.5	43.9N	149.1E	0	5.7b,5.8s		**¶97ii3140**
NEIC	II	21 23 40 24.1	43.83N	149.17E	33	6.1b,5.6s		
JMA	II	21 23 40 24.3±.6	43.95N±.04	149.42E±.06	60	5.8		
BJI	II	21 23 40 25.9	44.01N	149.01E	42	5.8b,5.9s		
SKHL	II	21 23 40 26.0	44.0N±.12	149.3E±.20	49±6			
HRVD	II	21 23 40 26.9±.1	43.90N±.01	149.22E±.01	31±.9			
MOS	II	21 23 40 27.1	44.2N	149.1E	46	6.5b,6.1s		

NEIC Me6.8(GS), Mw6.6(OBN)
NEIC Mw 6.1 (HRV), 6.0 (GS)
NEIC Radiated energy from the P−wave first−motion solution: 3.1±1.0×10^{14}Nm/17
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S140°,δ70°,λ0°. NP2:ϕ_S230°,δ90°,λ−160°. Principal axes: T Plg14°,Azm3°; P Plg14°,Azm97°.
NEIC Moment tensor solution: s50, scale 10^{18}Nm; M_{rr}0.14; $M_{\theta\theta}$1.03; $M_{\phi\phi}$−1.17; $M_{r\theta}$0.38; $M_{r\phi}$0.07; $M_{\theta\phi}$0.01. Depth 27km; Principal axes: T 1.17,Plg20°,Azm359°; N 0.00,Plg69°,Azm188°; P −1.17,Plg3°,Azm90°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S136°,δ74°,λ13°. NP2: ϕ_S43°,δ78°,λ163°.
SKHL Felt I=II MSK at Kurilsk
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c101; Mantle waves: s41,c64; Half duration: 2s7. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.16±.01; $M_{\theta\theta}$1.38±.01; $M_{\phi\phi}$−1.22±.01; $M_{r\theta}$0.73±.03; $M_{r\phi}$0.25±.03; $M_{\theta\phi}$−0.19±.01. Principal Axes: T 1.68,Plg22°,Azm2°; N −0.35,Plg62°,Azm224°; P −1.33,Plg17°,Azm99°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S141°,δ62°,λ3°. NP2:ϕ_S50°,δ87°,λ152°.
MOS Felt I=II MSK at Kurilsk.
MOS Focal mechanism: C60, D6; NP1:ϕ_S162°,δ35°,λ30°. NP2:ϕ_S47°,δ73°,λ121°. Principal axes: T Plg52°,Azm352°; N Plg29°,Azm217°; P Plg22°,Azm114°. M_0 8.4×10^{18}Nm (after OBN)

(189) Loyalty Islands region

ISC	**II**	**25 19 45 08.8**±.90	**21.17S**±.040	**169.54E**±.040	**44**±8.1	**5.4b,5.2s**	**424**	**3-165**
BJI	II	25 19 45 06.1	21.04S	169.92E	31	5.5b,5.3s		**¶97ii3682**
NEIC	II	25 19 45 07.0	21.19S	169.62E	33	5.7b,5.2s		
MOS	II	25 19 45 07.6	21.1S	169.6E	33	6.0b,5.3s		
EIDC	II	25 19 45 08.5	21.1S	169.7E	34	4.7b,5.0s		
HRVD	II	25 19 45 12.0±.2	21.16S±.02	169.41E±.02	33±1.5			

NEIC Mw5.7(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c57; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.79±.06; $M_{\theta\theta}$−0.30±.08; $M_{\phi\phi}$3.09±.09; $M_{r\theta}$0.53±.14; $M_{r\phi}$0.93±.17; $M_{\theta\phi}$1.49±.08. Principal Axes: T 3.82,Plg9°,Azm291°; N −0.85, Plg4°,Azm22°; P −2.97,Plg80°,Azm136°. Best double couple: $M_0$3.4×10^{17}Nm, NP1:ϕ_S16°, δ36°,λ−97°. NP2:ϕ_S205°,δ54°,λ−85°.

(435) South-East Indian Ridge

ISC	**II**	**26 18 25 42.8**±.40	**47.52S**±.072	**100.3E**±.12	**10**	**5.0b,5.9s**	**68**	**19-158**
NEIC	II	26 18 25 42.2	47.56S	100.20E	10	5.1b		**¶97ii3839**
MOS	II	26 18 25 42.5	47.8S	100.5E	10	5.3b		
EIDC	II	26 18 25 43.2	47.4S	100.2E	0	4.8b,6.0s		
BJI	II	26 18 25 44.0	47.57S	100.22E	24	5.1b,6.0s		

NEIC Less reliable solution.

(435) South-East Indian Ridge

ISC	**II**	**26 18 27 10.7**±.35	**47.48S**±.062	**100.1E**±.11	**10**	**5.1b,6.0s**	**131**	**18-175**
BJI	II	26 18 27 09.0	47.50S	100.14E	6	5.2b,6.1s		**¶97ii3840**
NEIC	II	26 18 27 10.6	47.50S	100.28E	10	5.2b,6.0s		
EIDC	II	26 18 27 12.2	47.4S	100.6E	0	5.1b,6.1s		
MOS	II	26 18 27 15.1	46.7S	100.4E	10	5.5b,5.9s		
HRVD	II	26 18 27 18.1±.1	47.33S±.01	99.87E±.02	15			

NEIC Mw6.1(GS), Mw6.0(HRV), Less reliable solution.
NEIC Moment tensor solution: s12, scale 10^{18}Nm; M_{rr}0.04; $M_{\theta\theta}$1.35; $M_{\phi\phi}$−1.40; $M_{r\theta}$−0.08; $M_{r\phi}$0.17; $M_{\theta\phi}$0.18. Depth 12km; Principal axes: T 1.37,Plg3°,Azm176°; N 0.06,Plg82°, Azm291°; P −1.43,Plg7°,Azm86°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S221°,δ83°, λ−177°. NP2:ϕ_S131°,δ87°,λ−7°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c95; Mantle waves: s39,c59; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.02±.01; $M_{\theta\theta}$1.16±.01; $M_{\phi\phi}$−1.13±.01; $M_{r\theta}$−0.05±.04; $M_{r\phi}$0.10±.04; $M_{\theta\phi}$0.47±.01. Principal Axes: T 1.25,Plg1°,Azm169°; N −0.01,Plg85°,Azm273°; P −1.24,Plg5°,Azm79°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S214°,δ86°,λ−177°. NP2:ϕ_S124°,δ87°,λ−4°.

(174) Tonga region

ISC	**II**	**27 12 51 10.9**±.23	**22.69S**±.047	**174.60W**±.047	**37**±1.4*	**5.4b,5.3s**	**227**	**7-161**
EIDC	II	27 12 51 06.8	22.5S	174.8W	0	5.0b,5.2s		**¶97ii3958**
BJI	II	27 12 51 09.8	22.50S	174.89W	25	5.8b,5.4s		
MOS	II	27 12 51 10.9	22.5S	174.7W	33	5.6b,5.2s		
NEIC	II	27 12 51 11.0	22.48S	174.87W	33	5.4b,5.4s		
HRVD	II	27 12 51 12.4±.2	22.80S±.04	174.13W±.03	15			

NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c46; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.44±.05; $M_{\theta\theta}$−0.07±.08; $M_{\phi\phi}$−1.38±.07; $M_{r\theta}$−0.03±.13; $M_{r\phi}$0.52±.13; $M_{\theta\phi}$−1.05±.06. Principal Axes: T 1.57,Plg74°,Azm235°; N 0.45, Plg14°,Azm26°; P −2.01,Plg7°,Azm118°. Best double couple: $M_0$1.8×10^{17}Nm, NP1:ϕ_S224°, δ40°,λ113°. NP2:ϕ_S16°,δ54°,λ72°.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(710) Pakistan						
ISC	**II**	**27 21 08 02.7**±.72	**29.96N**±.032	**68.20E**±.018	**34**±6.5	**6.1b,6.9s**	**678**	**2-158**
RYD	II	27 21 07 54.8	29.38N	68.24E	33	6.5D		**¶97ii4008**
MOS	II	27 21 08 01.7	29.8N	68.2E	33	6.7b,6.8s		
BJI	II	27 21 08 02.1	29.93N	68.16E	34	6.2b,7.3s		
NEIC	II	27 21 08 02.3	29.98N	68.21E	33	6.3b,7.3s		
EIDC	II	27 21 08 04.7	29.9N	68.1E	46	5.5b,7.1s		
HRVD	II	27 21 08 13.6±.1	29.74N±.01	68.13E±.01	15±.3			

MOS Seismic moment Mo=2.0×10^{19}Nm, (after OBN)

NEIC Mw7.1(HRV), Me6.7(GS). Casualties, landslide/avalanche observed.

NEIC Radiated energy from the P−wave first−motion solution: 2.8±0.4×10^{14}Nm/19

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S345°,δ30°,λ150°. NP2:ϕ_S102°,δ76°,λ63°. Principal axes: T Plg52°,Azm341°; P Plg26°,Azm212°. Complex earthquake, with two events occurring about 5 seconds apart. Depth from synthetics of broadband displacement seismograms, based on first event.

NEIC Moment tensor solution: s33, scale 10^{19}Nm; M_{rr}0.52; $M_{\theta\theta}$−0.39; $M_{\phi\phi}$−0.14; $M_{r\theta}$3.87; $M_{r\phi}$−0.55; $M_{\theta\phi}$0.42. Depth 7km; Principal axes: T 3.97,Plg48°,Azm3°; N −0.02,Plg5°, Azm99°; P −3.95,Plg41°,Azm194°. Best double couple: $M_0$4.0×10^{19}Nm; NP1:ϕ_S334°,δ7°, λ145°. NP2:ϕ_S98°,δ86°,λ85°.

NEIC Mw 7.0 (GS), 6.8 (OBN). At least 57 people killed, hundreds injured, thousands homeless, more than 500 houses damaged or destroyed and hundreds of livestock killed in the Harnai-Sibi area. Roads and railroads in the area blocked by landslides. Three people killed and several injured in the Quetta area. Felt throughout much of central Baluchistan. Mo=3.2×10^{19}Nm (PPT). Mo=2.0×10^{19}Nm (OBN).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c138; Mantle waves: s56,c130; Half duration: 7±9. Moment tensor: Scale 10^{19}Nm; M_{rr}2.24±.01; $M_{\theta\theta}$−2.41±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$4.58±.13; $M_{r\phi}$0.54±.05; $M_{\theta\phi}$0.53±.01. Principal Axes: T 5.16,Plg57°,Azm344°; N 0.07,Plg8°,Azm87°; P −5.23,Plg31°,Azm182°. Best double couple: $M_0$5.2×10^{19}Nm, NP1:ϕ_S298°,δ15°,λ122°. NP2:ϕ_S85°,δ77°,λ82°.

		(710) Pakistan						
ISC	**II**	**27 21 30 38.0**±.87	**30.04N**±.038	**67.97E**±.022	**43**±7.8	**5.8b,6.4s**	**498**	**3-145**
MOS	II	27 21 30 36.1	30.0N	68.0E	28	6.4b		**¶97ii4016**
NEIC	II	27 21 30 36.5	29.99N	67.98E	33	6.0b		
BJI	II	27 21 30 36.8	30.07N	68.10E	28	5.9b,6.2s		
EIDC	II	27 21 30 38.6	29.9N	68.0E	35	5.5b		

NEIC Felt in the epicentral area.

		(694) Northern Easter I. Cordillera						
ISC	**II**	**28 06 06 48.4**±.97	**8.9S**±.13	**108.1W**±.17	**10**	**4.4b,5.0s**	**56**	**31-152**
EIDC	II	28 06 06 48.1	8.7S	108.1W	0	4.3b,4.9s		**¶97ii4154**
NEIC	II	28 06 06 49.1	8.80S	107.90W	10	4.7b		
MOS	II	28 06 06 51.3	8.4S	107.7W	10	5.2b		
BJI	II	28 06 06 52.1	8.80S	107.90W	10	5.8s		

NEIC Less reliable solution.

		(221) Kuril Islands						
ISC	**II**	**28 11 32 14**±1.3	**43.96N**±.022	**147.89E**±.029	**1**±7.7	**6.1b,5.6s**	**822**	**1-156**
EIDC	II	28 11 32 17.3	44.1N	147.7E	14	5.6b,5.5s		**¶97ii4232**
BJI	II	28 11 32 18.0	44.12N	147.79E	27	6.1b,5.6s		
JMA	II	28 11 32 18.4±.3	43.70N±.02	147.82E±.03	6	5.6		
NEIC	II	28 11 32 18.9	43.92N	147.88E	33	6.1b,5.5s		
SKHL	II	28 11 32 21.0	43.9N±.07	147.8E±.16	48±8			
MOS	II	28 11 32 21.3	43.97N	147.85E	50			
HRVD	II	28 11 32 23.7±.2	43.95N±.01	148.08E±.02	37			

NEIC Mw5.9(HRV), Me5.7(GS)

NEIC Radiated energy from the P−wave first−motion solution: 8.4±2.5×10^{12}Nm/12

NEIC Mw 5.7 (GS). Felt I=IV MM at Kunashir and III MM at Iturup.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ45°,λ90°. NP2:ϕ_S40°,δ45°,λ90°. Principal axes: T Plg90°,Azm0°; P Plg0°,Azm130°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s35, scale 10^{17}Nm; M_{rr}3.70; $M_{\theta\theta}$−1.49; $M_{\phi\phi}$−2.21; $M_{r\theta}$0.44; $M_{r\phi}$2.21; $M_{\theta\phi}$−1.05. Depth 34km; Principal axes: T 4.44,Plg72°,Azm273°; N −0.87,Plg8°, Azm28°; P −3.57,Plg16°,Azm120°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S222°,δ29°, λ106°. NP2:ϕ_S23°,δ62°,λ81°.

SKHL Felt I=IV MSK at Yuzhno−Kurilsk; I=III at Kurilsk

MOS Mb6.8/32, Ms5.8/22

MOS Felt I=IV MSK Yuzhno−Kurilsk, II−III Kurilsk

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c82; Mantle waves: s19,c24; Half duration: 2±1. Moment tensor: Scale 10^{17}Nm; M_{rr}4.99±.07; $M_{\theta\theta}$−1.48±.10; $M_{\phi\phi}$−3.50±.10; $M_{r\theta}$1.80±.17; $M_{r\phi}$3.39±.16; $M_{\theta\phi}$−3.27±.09. Principal Axes: T 6.23,Plg72°,Azm288°; N 0.88,Plg5°,Azm34°; P −7.11,Plg17°,Azm125°. Best double couple: $M_0$6.7×10^{17}Nm, NP1:ϕ_S223°,δ28°,λ101°. NP2:ϕ_S31°,δ63°,λ84°.

		(344) North-Western Iran-USSR border region						
ISC	**II**	**28 12 57 22.8**±.47	**38.09N**±.024	**48.04E**±.021	**39**±4.6	**5.5b,6.1s**	**589**	**1-154**
MOS	II	28 12 57 18.1	38.0N	48.1E	10	6.1b,5.8s		**¶97ii4253**
BJI	II	28 12 57 18.6	38.36N	48.05E	8	5.4b,6.4s		
NEIC	II	28 12 57 18.6	38.08N	48.05E	10	5.5b,6.1s		
RYD	II	28 12 57 22.5	38.1N	47.8E	33	5.8D		
HRVD	II	28 12 57 24.0±.1	38.30N±.01	48.06E±.01	15			
EIDC	II	28 12 57 25.2	38.1N	48.0E	47	5.0b,6.0s		

NEIC Mw6.1(HRV), Mw6.0(GS)

NEIC At least 1,100 people killed, 2,600 injured, 36,000 homeless, 12,000 houses damaged or destroyed and 160,000 livestock killed in the Ardabil region of northwestern Iran. Severe damage to roads, electrical power lines, communications and water distribution systems in that area.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}1.44; $M_{\theta\theta}$−0.50; $M_{\phi\phi}$−0.94; $M_{r\theta}$2.28; $M_{r\phi}$−2.65; $M_{\theta\phi}$−9.23. Depth 23km; Principal axes: T 9.94,Plg22°,Azm45°; N 0.02,Plg68°, Azm220°; P −9.96,Plg2°,Azm314°. Best double couple: $M_0$1.0×10^{18}Nm; NP1:ϕ_S87°,δ73°, λ165°. NP2:ϕ_S182°,δ76°,λ17°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c91; Mantle waves: s40,c60; Half duration: 2±8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.30±.01; $M_{\theta\theta}$−0.29±.01; $M_{\phi\phi}$0.59±.01; $M_{r\theta}$1.01±.06; $M_{r\phi}$0.26±.06; $M_{\theta\phi}$−1.30±.01. Principal Axes: T 1.62,Plg13°,Azm50°; N 0.24,Plg54°,Azm301°; P −1.85,Plg33°,Azm149°. Best double couple: $M_0$1.7×10^{18}Nm, NP1:ϕ_S184°,δ57°,λ−15°. NP2:ϕ_S283°,δ77°,λ−146°.

TAB Felt at Tabriz

		(321) Southern Xinjiang Province						
ISC	**III**	**01 06 04 17.0**±.66	**39.43N**±.029	**76.83E**±.027	**44**±6.3	**5.0b,5.4s**	**391**	**1-155**
NEIC	III	01 06 04 14.1	39.42N	76.84E	22	5.2b,5.5s		**¶97iii0058**
BJI	III	01 06 04 14.9	39.38N	76.84E	24	5.1b,5.8s		
MOS	III	01 06 04 16.2	39.4N	76.9E	33	5.6b,5.5s		
HRVD	III	01 06 04 19.4±.4	39.40N±.05	76.89E±.06	22			
EIDC	III	01 06 04 21.7	39.4N	76.8E	78	4.5b,5.3s		

NEIC Mw5.6(HRV)

NEIC Two people killed, six injured, 4,000 houses destroyed and 738 cattle killed in Jiashi County. Also felt at Kashi.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c48; Half duration: 1±6. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.97±.10; $M_{\theta\theta}$0.43±.16; $M_{\phi\phi}$0.55±.14; $M_{r\theta}$−0.40±.32; $M_{r\phi}$0.19±.28; $M_{\theta\phi}$3.30±.12. Principal Axes: T 3.79,Plg2°,Azm135°; N −0.89, Plg78°,Azm233°; P −2.90,Plg12°,Azm44°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S180°,δ80°,λ−173°. NP2:ϕ_S89°,δ83°,λ−10°.

		(222) Kuril Islands region						
ISC	**III**	**02 01 04 16.0**±.53	**43.79N**±.027	**148.04E**±.049	**41**±4.4	**5.1b,4.3s**	**357**	**1-153**
EIDC	III	02 01 04 12.5	44.1N	147.8E	0	4.8b,4.2s		**¶97iii0221**
BJI	III	02 01 04 15.2	44.10N	147.94E	35	5.0b,4.4s		
JMA	III	02 01 04 15.3±.5	43.71N±.03	147.88E±.05	7	4.9		
MOS	III	02 01 04 15.7	43.9N	147.9E	33	5.5b		
NEIC	III	02 01 04 15.9	44.00N	147.85E	33	5.2b,4.2s		
SKHL	III	02 01 04 17.0	44.0N±.05	148.0E±.10	34±3			
		(9) Fox Islands						
ISC	**III**	**02 17 39 16**±2.3	**53.50N**±.036	**166.79W**±.044	**9**±13	**5.4b,4.5s**	**406**	**4-155**
BJI	III	02 17 39 16.5	53.85N	167.12W	12	5.2b,4.6s		**¶97iii0369**
HRVD	III	02 17 39 21.0±.9	53.23N±.09	166.06W±.12	74±6.7			
NEIC	III	02 17 39 22.0	53.54N	166.59W	57	5.4b		
EIDC	III	02 17 39 22.0	53.6N	166.8W	50	4.9b		
MOS	III	02 17 39 22.8	53.7N	166.6W	60	5.5b		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c22; Half duration: 1±0. Moment tensor: Scale 10^{16}Nm; M_{rr}6.82±.49; $M_{\theta\theta}$−3.73±.60; $M_{\phi\phi}$−3.09±.60; $M_{r\theta}$−1.62±.73; $M_{r\phi}$−0.55±1.06; $M_{\theta\phi}$3.57±.89. Principal Axes: T 7.19,Plg77°,Azm148°; N −0.15,Plg12°,Azm311°; P −7.04,Plg3°,Azm42°. Best double couple: $M_0$7.1×10^{16}Nm, NP1: ϕ_S144°,δ43°,λ108°. NP2:ϕ_S301°,δ50°,λ74°.

NEIC M_L5.5(PMR), Mw5.2(HRV)

NEIC Felt I=IV MM at Unalaska. Also felt in the Dutch Harbor area.

		(230) Near south coast of Honshū						
ISC	**III**	**04 03 51 26.9**±.42	**34.94N**±.018	**139.18E**±.020	**14**±2.6	**5.2b,5.4s**	**452**	**0-163**
BJI	III	04 03 51 25.6	35.03N	139.40E	18	5.2b,5.7s		**¶97iii0769**
NEIC	III	04 03 51 25.8	34.89N	139.04E	10	5.3b,5.3s		
EIDC	III	04 03 51 25.9	34.9N	139.3E	0	4.9b,5.3s		
JMA	III	04 03 51 27.2±.1	34.95N±.01	139.17E±.01	3±2	5.7		
HRVD	III	04 03 51 29.3±.4	34.93N±.05	139.21E±.06	15			
MOS	III	04 03 51 29.4	35.0N	139.2E	33	5.6b,5.6s		

NEIC Mw5.6(HRV). Casualties I=VI MM.

NEIC Three people slightly injured at Ito. Felt I=IV J at Ito, III J at Yokohama and Yokosuka, II J at Tokyo and I J at Kofu and Urawa.

JMA Felt I=IV J1

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c38; Half duration: 1±5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.06; $M_{\theta\theta}$1.64±.08; $M_{\phi\phi}$−2.19±.10; $M_{r\theta}$0.73±.21; $M_{r\phi}$1.49±.25; $M_{\theta\phi}$−1.49±.07. Principal Axes: T 2.20,Plg11°,Azm15°; N 1.20, Plg65°,Azm261°; P −3.39,Plg23°,Azm110°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: ϕ_S151°,δ66°,λ−9°. NP2:ϕ_S244°,δ82°,λ−156°.

		(710) Pakistan						
ISC	**III**	**04 13 03 47**±1.7	**29.40N**±.039	**68.78E**±.023	**24**±12	**5.3b,5.8s**	**476**	**2-146**
EIDC	III	04 13 03 44.0	29.3N	68.7E	0	5.1b,5.2L		**¶97iii0849**
HRVD	III	04 13 03 46.7±.3	28.95N±.02	68.65E±.03	33			
NEIC	III	04 13 03 47.8	29.42N	68.79E	33	5.4b,5.8s		
MOS	III	04 13 03 48.3	29.5N	68.9E	33	5.7b,5.7s		
BJI	III	04 13 03 49.4	29.50N	68.82E	38	5.4b,6.0s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c53; Half duration: 1±8. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.07; $M_{\theta\theta}$−4.69±.09; $M_{\phi\phi}$3.97±.11; $M_{r\theta}$−0.89±.19; $M_{r\phi}$−0.92±.20; $M_{\theta\phi}$0.75±.10. Principal Axes: T 4.31,Plg16°,Azm96°; N 0.56, Plg72°,Azm247°; P −4.88,Plg8°,Azm4°. Best double couple: $M_0$4.6×10^{17}Nm, NP1:ϕ_S139°, δ73°,λ175°. NP2:ϕ_S231°,δ85°,λ17°.

NEIC Mw5.7(GS), Mw5.7(HRV). Casualties.

NEIC At least one person injured and additional damage at Sibi. Felt at Quetta.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}0.27; $M_{\theta\theta}$−4.48; $M_{\phi\phi}$4.21; $M_{r\theta}$−1.37; $M_{r\phi}$−0.81; $M_{\theta\phi}$−0.58. Depth 13km; Principal axes: T 4.38,Plg11°,Azm88°; N 0.53,Plg71°, Azm211°; P −4.91,Plg15°,Azm355°. Best double couple: $M_0$4.6×10^{17}Nm; NP1:ϕ_S132°,δ72°, λ−176°. NP2:ϕ_S41°,δ87°,λ−19°.

		(403) North Atlantic Ridge						
ISC	**III**	**04 21 41 57.8**±.23	**34.48N**±.049	**36.62W**±.029	**10**	**4.9b,4.8s**	**212**	**20-166**
BJI	III	04 21 41 57.6	34.50N	36.60W	10	5.4b,5.5s		**¶97iii0924**
NEIC	III	04 21 41 57.6	34.50N	36.59W	10	5.0b,4.9s		
MOS	III	04 21 42 00.2	35.1N	36.6W	10	5.4b,4.9s		
EIDC	III	04 21 42 01.2	34.5N	36.7W	21	4.5b,4.6s		
		(186) Vanuatu (New Hebrides)						
ISC	**III**	**05 13 55 54**±1.3	**13.50S**±.042	**166.44E**±.040	**41**±12	**5.3b,5.3s**	**387**	**4-169**
EIDC	III	05 13 55 50.2	13.6S	166.6E	10	5.1b,5.0s		**¶97iii1071**
NEIC	III	05 13 55 52.1	13.38S	166.45E	33	5.5b,5.3s		
MOS	III	05 13 55 52.9	13.4S	166.4E	33	6.0b		
BJI	III	05 13 55 53.3	13.10S	166.90E	32	5.5b,5.1s		
HRVD	III	05 13 55 55.9±.3	13.51S±.06	166.24E±.05	31±3.7			

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1±3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.06; $M_{\theta\theta}$0.01±.09; $M_{\phi\phi}$−1.03±.09; $M_{r\theta}$−0.35±.15; $M_{r\phi}$−1.53±.20; $M_{\theta\phi}$0.50±.07. Principal Axes: T 1.99,Plg57°,Azm119°; N −0.10,Plg18°,Azm359°; P −1.89,Plg26°,Azm260°. Best double couple: $M_0$1.9×10^{17}Nm, NP1:ϕ_S315°,δ24°,λ42°. NP2:ϕ_S185°,δ74°,λ109°.

		(174) Tonga region						
ISC	**III**	**07 00 01 40.4**±.38	**23.3S**±.10	**175.25W**±.078	**36**±3.2*	**5.0b,5.1s**	**125**	**6-162**
EIDC	III	07 00 01 36.0	23.2S	175.4W	0	4.6b,4.9s		**¶97iii1378**
BJI	III	07 00 01 40.0	23.20S	175.40W	33	5.4b,5.4s		
NEIC	III	07 00 01 40.0	23.17S	175.41W	33	4.9b,5.1s		
HRVD	III	07 00 01 43.2±.9	23.68S±.11	175.17W±.09	40±6.7			
MOS	III	07 00 01 45.8	21.9S	175.9W	33	5.6b		

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1±0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.82±.75; $M_{\theta\theta}$−0.13±1.27; $M_{\phi\phi}$−4.69±.85; $M_{r\theta}$2.89±1.13; $M_{r\phi}$3.64±1.18; $M_{\theta\phi}$−3.16±.82. Principal Axes: T 6.59,Plg68°,Azm324°; N 1.35,Plg9°,Azm212°; P −7.95,Plg20°,Azm119°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S195°,δ26°,λ70°. NP2:ϕ_S36°,δ65°,λ99°.

		(174) Tonga region						
ISC	**III**	**07 03 03 17.7**±.43	**23.2S**±.11	**175.5W**±.10	**33**	**4.6b**,5.3s	**65**	**6-162**
EIDC	III	07 03 03 18.8	22.2S	176.0W	16	4.4b,5.4L		**¶97iii1411**
NEIC	III	07 03 03 19.3	22.33S	175.98W	33	4.6b		
MOS	III	07 03 03 19.6	22.7S	175.9W	33	4.8b		
BJI	III	07 03 03 21.3	22.30S	175.90W	33	5.4b,5.6s		

NEIC Less reliable solution.

		(135) Near coast of Central Chile						
ISC	**III**	**09 11 43 44.9**±.66	**29.68S**±.037	**71.11W**±.048	**42**±6.6	**5.4b,5.7s**	**270**	**3-176**
BJI	III	09 11 43 43.2	29.80S	71.20W	33	6.1s		**¶97iii1949**
NEIC	III	09 11 43 43.2	29.82S	71.15W	33	5.5b,5.7s		
MOS	III	09 11 43 44.3	29.6S	71.4W	33	5.6b,5.8s		
EIDC	III	09 11 43 45.1	29.7S	71.2W	34	5.2b,6.1s		
HRVD	III	09 11 43 51.8±.1	29.91S±.01	71.52W±.01	43			

NEIC Mw6.2(HRV), Me5.6(GS). avalanche observed.

NEIC Radiated energy from the P−wave first−motion solution: 6.2±1.5×10^{12}Nm/10

NEIC Mw 6.1 (GS). Some damage to houses and landslides occurred in the La Serena area. Felt at Santiago. Also felt I=II MM at Mendoza, Argentina. Mo=1.8×10^{18}Nm (PPT).

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ45°,λ105°. NP2:ϕ_S339°,δ47°,λ75°. Principal axes: T Plg79°,Azm175°; P Plg1°,Azm79°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s43, scale 10^{18}Nm; M_{rr}1.65; $M_{\theta\theta}$0.15; $M_{\phi\phi}$−1.81; $M_{r\theta}$−0.24; $M_{r\phi}$−0.18; $M_{\theta\phi}$−0.22. Depth 41km; Principal axes: T 1.70,Plg81°,Azm165°; N 0.14,Plg8°,

Azm7°; P −1.84,Plg3°,Azm277°. Best double couple: $M_0$1.8×10^{18}Nm; NP1:ϕ_s358°,δ42°, λ78°. NP2:ϕ_s195°,δ49°,λ101°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c85; Mantle waves: s39,c54; Half duration: 3s0. Moment tensor: Scale 10^{18}Nm; M_{rr}1.89±.02; $M_{\theta\theta}$0.00±.02; $M_{\phi\phi}$−1.89±.02; $M_{r\theta}$−0.21±.03; $M_{r\phi}$−0.79±.03; $M_{\theta\phi}$−0.30±.02. Principal Axes: T 2.06,Plg78°,Azm111°; N 0.05,Plg2°,Azm10°; P −2.10,Plg11°,Azm279°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_s6°,δ34°,λ86°. NP2:ϕ_s191°,δ57°,λ93°.

(558) Ethiopia

ISC	**III**	**09 17 40 18.0**±.23	**11.71N**±.031	**43.51E**±.033	**3**	**4.7b,5.3s**	**161**	**0-128**
MOS	III	09 17 40 18.2	11.6N	43.4E	10	5.7b,5.5s		**¶97iii2032**
NEIC	III	09 17 40 18.3	11.70N	43.55E	10	4.8b,5.0s		
EIDC	III	09 17 40 18.3	11.8N	43.4E	0	4.5b,5.2s		
BJI	III	09 17 40 19.1	11.97N	43.37E	11	5.1b,5.6s		
ARO	III	09 17 40 19.6	11.9N	43.3E	3±2.0	5.0L		
HRVD	III	09 17 40 23.4±.3	12.04N±.02	43.75E±.04	15			

NEIC Mw5.5(HRV)
NEIC Felt in Djibouti.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c41; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.32±.07; $M_{\theta\theta}$2.74±.07; $M_{\phi\phi}$−1.42±.10; $M_{r\theta}$−0.54±.18; $M_{r\phi}$−0.10±.12; $M_{\theta\phi}$−0.31±.07. Principal Axes: T 2.83,Plg7°,Azm184°; N −1.28,Plg51°,Azm85°; P −1.56,Plg38°,Azm280°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_s315°,δ58°,λ−24°. NP2:ϕ_s58°,δ70°,λ−146°.

(558) Ethiopia

ISC	**III**	**09 17 41 44.7**±.61	**11.55N**±.087	**43.62E**±.052	**10**	**4.7b**,5.0s	**72**	**0-129**
MOS	III	09 17 41 42.7	11.3N	43.7E	10	5.1b		**¶97iii2034**
BJI	III	09 17 41 45.0	11.70N	43.40E	10	5.0b,5.5s		
NEIC	III	09 17 41 45.0	11.69N	43.41E	10	4.7b		
EIDC	III	09 17 41 45.2	11.7N	43.5E	0	4.6b		
ARO	III	09 17 41 47.2	11.8N	43.3E	2±1.4	4.8L		

NEIC Less reliable solution.

(135) Near coast of Central Chile

ISC	**III**	**10 03 53 01.7**±.76	**29.72S**±.045	**71.14W**±.057	**45**±7.7	**5.1b,5.1s**	**179**	**3-176**
BJI	III	10 03 53 00.3	29.70S	71.10W	33	5.7s		**¶97iii2140**
NEIC	III	10 03 53 00.3	29.68S	71.14W	33	5.2b,5.1s		
EIDC	III	10 03 53 01.1	29.8S	71.2W	31	5.0b,4.8L		
MOS	III	10 03 53 01.2	29.8S	71.4W	33	5.5b		
HRVD	III	10 03 53 08.3±.2	30.11S±.02	71.58W±.02	50±1.5			

NEIC Mw5.6(HRV). avalanche observed.
NEIC Some damage to older buildings at Coquimbo. Felt strongly at La Serena. Landslides occurred near La Serena. Felt I=II MM at Santiago.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c56; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}3.56±.07; $M_{\theta\theta}$−0.66±.14; $M_{\phi\phi}$−2.90±.12; $M_{r\theta}$0.11±.14; $M_{r\phi}$−0.80±.12; $M_{\theta\phi}$−0.28±.09. Principal Axes: T 3.67,Plg83°,Azm75°; N −0.64, Plg3°,Azm186°; P −3.03,Plg7°,Azm277°. Best double couple: $M_0$3.3×10^{17}Nm, NP1:ϕ_s10°, δ38°,λ94°. NP2:ϕ_s184°,δ52°,λ87°.

(103) Colombia

ISC	**III**	**10 14 17 45**±1.4	**5.23N**±.046	**72.79W**±.034	**29**±11	**4.8b,4.8s**	**158**	**1-155**
NEIC	III	10 14 17 44.9	5.22N	72.81W	33	4.9b,4.8s		**¶97iii2227**
BJI	III	10 14 17 45.1	5.30N	72.73W	35	5.5s		
EIDC	III	10 14 17 59.0	5.0N	73.1W	157	4.2b		

BOG Magnitude 4.2, felt Bogota, Bucaramanga, Tunja, Sogamoso

(177) Kermadec Islands region

ISC	**III**	**11 05 25 58.7**±.18	**31.10S**±.044	**177.73W**±.044	**15**	**5.6b,6.1s**	**437**	**2-172**
BJI	III	11 05 25 57.0	31.14S	177.60W	15	5.8b,6.0s		**¶97iii2312**
EIDC	III	11 05 25 57.3	31.0S	177.5W	0	5.4b,6.1s		
NEIC	III	11 05 25 57.7	31.08S	177.73W	10	5.6b,6.2s		
MOS	III	11 05 25 58.2	30.9S	177.7W	10	6.1b,6.1s		
HRVD	III	11 05 26 05.1±.1	31.12S±.01	177.19W±.01	15			

NEIC Mw6.1(GS), Mw6.1(HRV).
NEIC Mo=1.8×10^{18}Nm (PPT).
NEIC Moment tensor solution: s35, scale 10^{18}Nm; M_{rr}0.20; $M_{\theta\theta}$0.07; $M_{\phi\phi}$−0.27; $M_{r\theta}$0.24; $M_{r\phi}$1.37; $M_{\theta\phi}$0.22. Depth 12km; Principal axes: T 1.44,Plg48°,Azm290°; N −0.01,Plg11°,Azm188°; P −1.43,Plg40°,Azm89°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_s120°,δ11°,λ21°. NP2: ϕ_s9°,δ86°,λ101°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c94; Mantle waves: s38,c46; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}0.73±.01; $M_{\theta\theta}$0.05±.01; $M_{\phi\phi}$−0.78±.01; $M_{r\theta}$0.17±.03; $M_{r\phi}$1.20±.03; $M_{\theta\phi}$−0.23±.01. Principal Axes: T 1.39,Plg61°,Azm274°; N 0.10,Plg3°,Azm10°; P −1.49,Plg29°,Azm102°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_s202°,δ17°,λ102°. NP2:ϕ_s9°,δ74°,λ86°.

(248) Philippine Islands region

ISC	**III**	**11 19 22 00**±3.6	**7.76N**±.033	**127.67E**±.041	**8**±21	**6.3b,6.6s**	**388**	**2-171**
NEIC	III	11 19 22 00.1	7.74N	127.65E	10	6.3b,6.7s		**¶97iii2433**
BJI	III	11 19 22 01.0	7.72N	127.39E	10	6.0b,6.6s		
MOS	III	11 19 22 04.2	7.8N	127.7E	36	6.7b,6.4s		
HRVD	III	11 19 22 10.2±.1	7.64N±.01	127.63E±.01	15			
EIDC	III	11 19 22 10.3	7.8N	127.6E	75	5.7b,6.6s		

NEIC Me7.2(GS), Mw6.9(GS). Damage.
NEIC Radiated energy from the P−wave first−motion solution: 1.4±0.3×10^{15}Nm/12
NEIC Broadband fault plane solution: P waves. NP1:ϕ_s205°,δ72°,λ−35°. NP2:ϕ_s307°,δ57°, λ−158°. Principal axes: T Plg10°,Azm259°; P Plg37°,Azm162°. Complex event observed on broadband displacement seismograms.
NEIC Mw 6.9 (HRV). Ms 6.7 (BRK). Some damage to buildings in the Cagayan de Oro area. Felt I=V RF at Bislig, IV RF at Cagayan de Oro and Davao, III RF at Surigao and II RF at General Santos. Mo=6.7×10^{19}Nm (PPT).
NEIC Moment tensor solution: s25, scale 10^{19}Nm; M_{rr}−1.06; $M_{\theta\theta}$0.06; $M_{\phi\phi}$1.00; $M_{r\theta}$0.44; $M_{r\phi}$2.07; $M_{\theta\phi}$−0.04. Depth 5km; Principal axes: T 2.30,Plg32°,Azm276°; N 0.11,Plg5°,Azm9°; P −2.40,Plg57°,Azm107°. Best double couple: $M_0$2.3×10^{19}Nm; NP1:ϕ_s348°,δ14°,λ−112°. NP2: ϕ_s190°,δ77°,λ−85°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c116; Mantle waves: s55,c127; Half duration: 6s5. Moment tensor: Scale 10^{19}Nm; M_{rr}−2.12±.01; $M_{\theta\theta}$−0.06±.01; $M_{\phi\phi}$2.17±.01; $M_{r\theta}$0.00±.04; $M_{r\phi}$0.55±.04; $M_{\theta\phi}$−0.30±.01. Principal Axes: T 2.28,Plg7°,Azm263°; N −0.09,Plg2°,Azm353°; P −2.19,Plg83°,Azm97°. Best double couple: $M_0$2.2×10^{19}Nm, NP1:ϕ_s351°,δ38°,λ−93°. NP2:ϕ_s174°,δ52°,λ−88°.

(701) West of Macquarie Island

ISC	**III**	**12 00 15 58.8**±.82	**52.98S**±.096	**140.8E**±.39	**5**	**4.6b,4.2s**	**70**	**20-153**
BJI	III	12 00 15 58.3	52.76S	141.33E	5	5.4b		**¶97iii2457**
NEIC	III	12 00 15 58.6	53.09S	141.05E	10	4.8b		
EIDC	III	12 00 15 58.8	53.0S	141.2E	0	4.5b,4.2s		
MOS	III	12 00 15 59.7	52.9S	142.1E	10	5.7b		

NEIC Less reliable solution.

(174) Tonga region

ISC	**III**	**12 01 55 01.7**±.46	**23.6S**±.12	**175.37W**±.085	**41**±1.5*	**4.8b**,5.0s	**68**	**10-162**
EIDC	III	12 01 54 57.2	23.3S	175.5W	0	4.5b,4.9L		**¶97iii2469**
NEIC	III	12 01 55 00.9	23.45S	175.51W	33	5.0b,4.9s		
MOS	III	12 01 55 03.0	23.0S	175.7W	33	5.8b		
BJI	III	12 01 55 05.5	23.00S	176.29W	33	5.3b		

NEIC Less reliable solution.

(250) Mindoro

ISC	**III**	**12 14 51 49**±1.1	**13.51N**±.031	**121.07E**±.045	**34**±9.9	**4.9b,5.0s**	**202**	**1-171**
EIDC	III	12 14 51 45.8	13.5N	121.1E	0	4.8b,4.9s		**¶97iii2552**
BJI	III	12 14 51 48.1	13.53N	121.18E	31	5.1b,5.1s		
MOS	III	12 14 51 48.6	13.5N	121.1E	33	5.5b,5.0s		
HRVD	III	12 14 51 48.6±.3	13.55N±.06	120.97E±.05	15±3.3			
NEIC	III	12 14 51 49.2	13.45N	120.99E	33	5.2b,5.0s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.75±.08; $M_{\theta\theta}$−0.35±.10; $M_{\phi\phi}$1.10±.07; $M_{r\theta}$0.85±.26; $M_{r\phi}$0.58±.23; $M_{\theta\phi}$0.63±.08. Principal Axes: T 1.66,Plg21°,Azm296°; N −0.23, Plg30°,Azm39°; P −1.43,Plg52°,Azm177°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_s346°,δ36°,λ−148°. NP2:ϕ_s229°,δ72°,λ−58°.
NEIC Mw5.4(HRV).

(686) West Chile Rise

ISC	**III**	**13 06 27 58.2**±.45	**36.45S**±.083	**97.71W**±.084	**10**	**4.9b,5.0s**	**123**	**14-172**
NEIC	III	13 06 27 58.0	36.47S	97.67W	10	4.9b,5.0s		**¶97iii2656**
BJI	III	13 06 28 01.5	36.50S	97.70W	10	5.5s		
HRVD	III	13 06 28 03.1±.2	36.52S±.03	97.64W±.03	15			
MOS	III	13 06 28 04.5	35.3S	98.4W	10	5.2b		
EIDC	III	13 06 28 14.4	36.5S	97.4W	137	4.3b		

NEIC Mw5.6(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c61; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.08±.05; $M_{\theta\theta}$0.21±.06; $M_{\phi\phi}$−0.13±.07; $M_{r\theta}$0.56±.15; $M_{r\phi}$−1.25±.18; $M_{\theta\phi}$−2.17±.05. Principal Axes: T 2.79,Plg24°,Azm46°; N −0.49, Plg60°,Azm188°; P −2.29,Plg16°,Azm308°. Best double couple: $M_0$2.5×10^{17}Nm, NP1: ϕ_s85°,δ61°,λ174°. NP2:ϕ_s178°,δ85°,λ29°.

(684) Easter Island Cordillera

ISC	**III**	**14 09 42 58.7**±.36	**34.13S**±.067	**109.53W**±.091	**10**	**4.8b,5.1s**	**112**	**25-164**
EIDC	III	14 09 42 58.3	34.2S	109.7W	0	4.4b		**¶97iii2849**
NEIC	III	14 09 42 58.6	34.13S	109.53W	10	5.1b,5.1s		
MOS	III	14 09 43 00.8	34.2S	109.6W	10	5.2b		
BJI	III	14 09 43 02.6	34.10S	109.50W	10	5.7s		
HRVD	III	14 09 43 04.1±.3	34.50S±.03	109.28W±.03	15			

NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c45; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.14±.03; $M_{\theta\theta}$−1.20±.04; $M_{\phi\phi}$1.34±.04; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$0.38±.04. Principal Axes: T 1.39,Plg0°,Azm98°; N −0.14, Plg90°,Azm180°; P −1.26,Plg0°,Azm8°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_s143°, δ90°,λ−180°. NP2:ϕ_s233°,δ90°,λ0°.

(409) South Atlantic Ocean

ISC	**III**	**14 18 38 12.9**±.29	**25.29S**±.049	**2.71E**±.063	**10**	**5.3b,4.4s**	**242**	**15-142**
BJI	III	14 18 38 12.5	25.15S	2.45E	11	5.4s		**¶97iii2930**
MOS	III	14 18 38 12.8	25.3S	2.5E	10	5.5b		
NEIC	III	14 18 38 12.8	25.29S	2.70E	10	5.3b,4.4s		
EIDC	III	14 18 38 12.9	25.2S	3.0E	0	4.8b,4.9L		

(701) West of Macquarie Island

ISC	**III**	**15 05 51 34.1**±.42	**59.79S**±.052	**149.9E**±.18	**10**	**4.8b,5.7s**	**170**	**7-162**
EIDC	III	15 05 51 32.9	59.8S	150.1E	0	4.6b,5.4s		**¶97iii3011**
NEIC	III	15 05 51 33.3	59.85S	149.90E	10	5.0b,5.7s		
MOS	III	15 05 51 36.3	59.9S	150.0E	10	5.4b,5.5s		
BJI	III	15 05 51 38.0	59.79S	149.90E	23	5.6s		
HRVD	III	15 05 51 40.5±.1	59.91S±.02	149.99E±.03	15			

NEIC Mw5.9(HRV), Less reliable solution.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c81; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.03±.09; $M_{\theta\theta}$5.70±.11; $M_{\phi\phi}$−5.74±.12; $M_{r\theta}$0.04±.33; $M_{r\phi}$−0.24±.33; $M_{\theta\phi}$−7.19±.11. Principal Axes: T 9.17,Plg1°,Azm26°; N 0.03, Plg88°,Azm151°; P −9.21,Plg1°,Azm296°. Best double couple: $M_0$9.2×10^{17}Nm, NP1:ϕ_s71°, δ89°,λ−180°. NP2:ϕ_s341°,δ90°,λ−1°.

(199) Admiralty Islands region

ISC	**III**	**15 11 17 34**±3.6	**1.43S**±.049	**145.40E**±.059	**29**±27	**4.8b,5.4s**	**121**	**8-158**
EIDC	III	15 11 17 31.6	1.4S	145.5E	0	4.5b,4.2L		**¶97iii3038**
MOS	III	15 11 17 34.3	1.4S	145.4E	33	5.5b,5.2s		
NEIC	III	15 11 17 34.5	1.45S	145.45E	33	5.0b,5.4s		
BJI	III	15 11 17 35.9	1.46S	145.35E	41	4.8b,5.4s		
HRVD	III	15 11 17 38.8±.4	1.22S±.05	145.54E±.05	15			

NEIC Mw5.8(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c36; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.14; $M_{\theta\theta}$−2.81±.12; $M_{\phi\phi}$2.77±.16; $M_{r\theta}$−0.68±.45; $M_{r\phi}$3.98±.46; $M_{\theta\phi}$1.50±.16. Principal Axes: T 5.69,Plg34°,Azm277°; N −1.43, Plg39°,Azm153°; P −4.27,Plg32°,Azm32°. Best double couple: $M_0$5.0×10^{17}Nm, NP1:ϕ_s66°, δ39°,λ2°. NP2:ϕ_s334°,δ89°,λ129°.

(230) Near south coast of Honshū

ISC	**III**	**16 05 51 38.4**±.19	**34.88N**±.017	**137.50E**±.019	**46**±1.7	**5.6b,5.2s**	**650**	**0-165**
JMA	III	16 05 51 37.0	34.85N	137.45E	36	5.7		**¶97iii3171**
NEIC	III	16 05 51 37.0	34.85N	137.45E	36	5.7b,5.1s		
MOS	III	16 05 51 37.3	35.0N	137.5E	33	6.0b,5.3s		
EIDC	III	16 05 51 38.8	34.7N	137.5E	46	4.8b,5.1s		
HRVD	III	16 05 51 41.0±.2	34.92N±.03	137.34E±.03	38			

JMA At least 4 people injured at Toyohashi. Felt I=V J at Toyohashi, IV at Hikone, Mino kamo, Nagoya, Omi−Hachiman and Shimada. Also felt slightly at Tokyo
JMA Felt I=V J1
NEIC Mw5.6(HRV). Casualties I=VII MM.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c51; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.31±.05; $M_{\theta\theta}$0.83±.09; $M_{\phi\phi}$1.47±.08; $M_{r\theta}$2.04±.11; $M_{r\phi}$−0.40±.13; $M_{\theta\phi}$−1.59±.06. Principal Axes: T 3.27,Plg17°,Azm44°; N 0.06, Plg21°,Azm307°; P −3.34,Plg62°,Azm170°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_s164°,δ33°,λ−49°. NP2:ϕ_s297°,δ65°,λ−113°.

(276) Sunda Strait

ISC	**III**	**17 08 05 50.6**±.62	**6.66S**±.029	**105.48E**±.031	**51**±5.4	**5.8b,6.2s**	**533**	**0-178**
EIDC	III	17 08 05 44.1	6.7S	105.3E	0	5.7b,6.2s		**¶97iii3340**
BJI	III	17 08 05 47.4	6.86S	105.25E	38	5.8b,6.3s		
NEIC	III	17 08 05 48.4	6.61S	105.51E	33	5.8b,6.2s		
MOS	III	17 08 05 49.3	6.5S	105.6E	33	6.5b,6.0s		
HRVD	III	17 08 05 56.7±.1	7.27S±.01	105.41E±.01	43±.4			

NEIC Mw6.4(HRV), Me6.2(GS). Damage.
NEIC Radiated energy from the P−wave first−motion solution: 4.1±0.9×10^{13}Nm/17
NEIC Mw 6.3 (GS). Some minor damage at Jakarta, Indonesia. Felt throughout western Jawa and in southern Sumatera, Indonesia.
NEIC Moment tensor solution: s29, scale 10^{18}Nm; M_{rr}2.91; $M_{\theta\theta}$−2.10; $M_{\phi\phi}$−0.81; $M_{r\theta}$1.85; $M_{r\phi}$0.02; $M_{\theta\phi}$0.39. Depth 37km; Principal axes: T 3.53,Plg72°,Azm354°; N −0.75,Plg5°, Azm99°; P −2.78,Plg18°,Azm191°. Best double couple: $M_0$3.2×10^{18}Nm; NP1:ϕ_s289°,δ28°, λ101°. NP2:ϕ_s97°,δ63°,λ84°.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_s310°,δ20°,λ120°. NP2:ϕ_s98°,δ73°,λ80°. Principal axes: T Plg61°,Azm353°; P Plg27°,Azm197°. Complex earthquake, with a small event followed by a much larger one about 2 seconds later. Depth from synthetics of broadband displacement seismograms, based on second event.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c112; Mantle waves: s51,c81; Half duration: 3s8. Moment tensor: Scale 10^{18}Nm; M_{rr}3.09±.03; $M_{\theta\theta}$−2.88±.02; $M_{\phi\phi}$−0.22±.02; $M_{r\theta}$2.74±.05; $M_{r\phi}$−0.45±.05; $M_{\theta\phi}$1.11±.02. Principal Axes: T 4.16,Plg69°,Azm1°; N 0.14,Plg6°,Azm105°; P −4.30,Plg20°,Azm197°. Best double couple: $M_0$4.2×10^{18}Nm, NP1:ϕ_s298°,δ25°,λ103°. NP2:ϕ_s103°,δ66°,λ84°.

(184) Santa Cruz Islands

ISC	**III**	**17 10 13 57**±2.0	**11.86S**±.065	**166.17E**±.094	**59**±17	**4.9b,4.8s**	**51**	**6-151**
BJI	III	17 10 13 52.8	11.81S	166.52E	41	5.1b,5.3s		**¶97iii3359**
MOS	III	17 10 13 53.4	12.0S	166.3E	33	5.5b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	III	17 10 13 53.7	11.92S	166.26E	33	4.9b,5.0s		
EIDC	III	17 10 13 55.1	12.0S	166.4E	33	4.3b,4.6s		
		(370) Crete						
ISC	**III**	**18 11 26 19.5**±.22	**34.31N**±.026	**26.08E**±.020	**39**±1.4*	**5.1b,4.5s**	**412**	**1-127**
ISK	III	18 11 26 13.4	33.89N	25.92E	10	4.5D		**¶97iii3525**
RYD	III	18 11 26 15.0	34.27N	25.99E	33	5.0D		
NEIC	III	18 11 26 16.0	34.19N	26.15E	20	5.1b		
BJI	III	18 11 26 16.5	34.31N	25.95E	28	5.0b,4.9s		
MOS	III	18 11 26 16.6	34.2N	26.0E	17	5.6b,4.4s		
EIDC	III	18 11 26 20.7	34.3N	26.1E	35	4.8b,4.4s		
ATH	III	18 11 26 22.9	34.50N	26.12E	20	4.5L		
THE	III	18 11 26 29.9	35.0N	25.7E	10	4.3L		
		(173) Tonga						
ISC	**III**	**19 17 50 35**±1.4	**16.66S**±.038	**173.82W**±.039	**38**±13	**5.5b,5.0s**	**412**	**3-165**
MOS	III	19 17 50 37.3	16.5S	173.9W	55	5.9b		**¶97iii3742**
EIDC	III	19 17 50 38.5	16.6S	173.8W	57	4.9b		
NEIC	III	19 17 50 42.2	16.61S	173.90W	99	5.5b		
BJI	III	19 17 50 42.4	16.46S	173.75W	99	5.4b		
HRVD	III	19 17 50 45.9±.1	16.51S±.02	173.44W±.02	93±1.2			

NEIC Mw5.8(GS), Mw5.7(HRV).

NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}−3.03; $M_{\theta\theta}$3.21; $M_{\phi\phi}$−0.18; $M_{r\theta}$−1.06; $M_{r\phi}$3.10; $M_{\theta\phi}$−2.29. Depth 87km; Principal axes: T 5.11,Plg18°,Azm213°; N −0.08,Plg28°, Azm313°; P −5.03,Plg56°,Azm95°. Best double couple: $M_0$5.1×10^{17}Nm; NP1:ϕ_S268°,δ37°, λ−141°. NP2:ϕ_S145°,δ68°,λ−60°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c84; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.52±.05; $M_{\theta\theta}$2.42±.10; $M_{\phi\phi}$0.10±.10; $M_{r\theta}$−0.98±.06; $M_{r\phi}$2.39±.06; $M_{\theta\phi}$−1.87±.07. Principal Axes: T 4.12,Plg18°,Azm215°; N −0.19,Plg24°,Azm314°; P −3.93,Plg59°,Azm92°. Best double couple: $M_0$4.0×10^{17}Nm, NP1: ϕ_S272°,δ34°,λ−137°. NP2:ϕ_S145°,δ67°,λ−63°.

		(710) Pakistan						
ISC	**III**	**20 08 50 41**±1.6	**30.13N**±.034	**68.02E**±.023	**33**±11	**5.4b,5.7s**	**441**	**1-145**
EIDC	III	20 08 50 37.1	30.1N	68.0E	0	5.3b,5.7s		**¶97iii3870**
MOS	III	20 08 50 39.5	30.1N	68.1E	27	6.1b,5.6s		
NEIC	III	20 08 50 40.3	30.14N	68.02E	33	5.5b,5.8s		
BJI	III	20 08 50 40.6	30.34N	67.91E	33	5.4b,5.8s		
HRVD	III	20 08 50 44.7±.2	30.79N±.03	67.79E±.03	15			

NEIC Mw5.9(HRV), Me5.4(GS)

NEIC Radiated energy from the P−wave first−motion solution: 2.4±0.5×10^{12}Nm/7

NEIC Mw 5.7 (GS). At least three people injured and additional damage to houses in the Harnai area. Felt at Quetta.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ85°,λ85°. NP2:ϕ_S300°,δ7°,λ135°. Principal axes: T Plg50°,Azm340°; P Plg40°,Azm170°. Two events about 1 second apart. Depth from synthetics of broadband displacement seismogams based on first event.

NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}0.17; $M_{\theta\theta}$−0.99; $M_{\phi\phi}$0.83; $M_{r\theta}$3.67; $M_{r\phi}$1.36; $M_{\theta\phi}$1.00. Depth 18km; Principal axes: T 4.16,Plg43°,Azm322°; N −0.02,Plg19°,Azm71°; P −4.14,Plg41°,Azm178°. Best double couple: $M_0$4.1×10^{17}Nm; NP1:ϕ_S337°,δ19°,λ176°. NP2: ϕ_S70°,δ89°,λ71°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.95±.09; $M_{\theta\theta}$1.90±.12; $M_{\phi\phi}$0.05±.09; $M_{r\theta}$7.62±.25; $M_{r\phi}$1.86±.20; $M_{\theta\phi}$0.49±.09. Principal Axes: T 8.13,Plg38°,Azm346°; N −0.07, Plg0°,Azm76°; P −8.05,Plg52°,Azm166°. Best double couple: $M_0$8.1×10^{17}Nm, NP1:ϕ_S76°, δ7°,λ−91°. NP2:ϕ_S256°,δ83°,λ−90°.

		(397) Tunisia						
ISC	**III**	**20 18 02 18**±1.8	**34.00N**±.034	**8.24E**±.026	**14**±11	**5.0b,4.8s**	**313**	**4-151**
MOS	III	20 18 02 16.4	33.9N	8.3E	10	5.5b,4.6s		**¶97iii3934**
NEIC	III	20 18 02 17.3	33.96N	8.29E	10	5.2b,4.9s		
BJI	III	20 18 02 18.6	34.07N	8.27E	25	5.1b,5.2s		
LDG	III	20 18 02 21.5	34.0N	8.2E	2	4.3L		
MDD	III	20 18 02 23.6	34.16N	8.18E		3.2		
EIDC	III	20 18 02 26.5	34.3N	8.4E	66	4.3b		
		(193) Solomon Islands						
ISC	**III**	**21 22 36 14**±1.2	**7.63S**±.035	**157.77E**±.036	**39**±11	**5.2b,5.4s**	**266**	**3-163**
MOS	III	21 22 36 12.4	7.6S	158.0E	35	5.7b,5.3s		**¶97iii4146**
NEIC	III	21 22 36 12.9	7.62S	157.79E	35	5.3b,5.5s		
BJI	III	21 22 36 13.5	7.51S	157.85E	38	5.1b,5.4s		
EIDC	III	21 22 36 13.9	7.6S	157.9E	32	4.6b,5.3s		
HRVD	III	21 22 36 16.3±.2	7.57S±.02	158.09E±.02	22±1.9			

NEIC Mw5.8(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c59; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.06; $M_{\theta\theta}$−0.89±.10; $M_{\phi\phi}$0.02±.11; $M_{r\theta}$0.14±.17; $M_{r\phi}$−0.98±.19; $M_{\theta\phi}$4.89±.07. Principal Axes: T 4.58,Plg10°,Azm132°; N 0.85, Plg78°,Azm348°; P −5.44,Plg7°,Azm223°. Best double couple: $M_0$5.0×10^{17}Nm, NP1: ϕ_S267°,δ78°,λ2°. NP2:ϕ_S177°,δ88°,λ168°.

		(196) West Irian region						
ISC	**III**	**22 06 17 25**±2.7	**0.98S**±.031	**137.07E**±.034	**7**±16	**5.3b,5.3s**	**204**	**4-169**
BJI	III	22 06 17 24.7	0.90S	137.17E	9	5.3b,5.2s		**¶97iii4212**
MOS	III	22 06 17 24.8	0.9S	137.1E	10	5.9b,5.1s		
NEIC	III	22 06 17 24.9	0.97S	137.07E	10	5.5b,5.5s		
HRVD	III	22 06 17 30.4±.3	0.97S±.04	137.23E±.04	15			
EIDC	III	22 06 17 31.9	1.0S	137.1E	52	4.9b,5.2s		

NEIC Mw5.7(HRV), Mw5.6(GS).

NEIC Moment tensor solution: s12, scale 10^{17}Nm; M_{rr}0.80; $M_{\theta\theta}$−1.44; $M_{\phi\phi}$0.64; $M_{r\theta}$−2.14; $M_{r\phi}$1.81; $M_{\theta\phi}$0.14. Depth 8km; Principal axes: T 3.07,Plg50°,Azm238°; N 0.00,Plg18°, Azm125°; P −3.07,Plg34°,Azm22°. Best double couple: $M_0$3.1×10^{17}Nm; NP1:ϕ_S60°,δ20°, λ24°. NP2:ϕ_S307°,δ82°,λ108°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c46; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.05; $M_{\theta\theta}$−1.08±.08; $M_{\phi\phi}$−0.07±.09; $M_{r\theta}$−2.92±.19; $M_{r\phi}$1.86±.17; $M_{\theta\phi}$0.44±.06. Principal Axes: T 3.64,Plg54°,Azm217°; N 0.04, Plg4°,Azm121°; P −3.68,Plg36°,Azm28°. Best double couple: $M_0$3.7×10^{17}Nm, NP1:ϕ_S98°, δ10°,λ67°. NP2:ϕ_S302°,δ81°,λ94°.

		(684) Easter Island Cordillera						
ISC	**III**	**23 04 26 31.8**±.43	**34.07S**±.084	**109.23W**±.097	**10**	**4.9b,4.9s**	**130**	**7-158**
EIDC	III	23 04 26 30.9	34.0S	109.4W	0	4.6b,4.9s		**¶97iii4389**
BJI	III	23 04 26 31.1	34.10S	109.30W	10	5.9s		
NEIC	III	23 04 26 31.1	34.15S	109.34W	10	5.0b,4.9s		
HRVD	III	23 04 26 36.0±.3	34.60S±.04	109.35W±.04	15			
MOS	III	23 04 26 36.3	33.3S	107.5W	10	5.2b		

NEIC Mw5.4(HRV), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c43; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.00±.04; $M_{\theta\theta}$−1.29±.04; $M_{\phi\phi}$1.30±.04; $M_{r\theta}$−0.63±.14; $M_{r\phi}$0.03±.16; $M_{\theta\phi}$0.29±.05. Principal Axes: T 1.33,Plg2°,Azm97°; N 0.25, Plg68°,Azm192°; P −1.58,Plg22°,Azm6°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S144°, δ73°,λ−165°. NP2:ϕ_S49°,δ76°,λ−18°.

		(186) Vanuatu (New Hebrides)						
ISC	**III**	**23 15 49 42.8**±.97	**19.14S**±.031	**168.66E**±.038	**55**±8.8	**5.2b,5.0s**	**419**	**2-166**
BJI	III	23 15 49 38.6	19.04S	168.82E	26	5.4b,5.1s		**¶97iii4457**
NEIC	III	23 15 49 39.6	19.17S	168.74E	33	5.3b,5.0s		
MOS	III	23 15 49 39.9	19.2S	168.8E	33	5.6b		
EIDC	III	23 15 49 43.0	19.2S	168.8E	51	4.8b,4.8s		
HRVD	III	23 15 49 48.0±.3	19.02S±.03	168.33E±.02	53±1.8			

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c42; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.72±.04; $M_{\theta\theta}$0.91±.09; $M_{\phi\phi}$−2.63±.09; $M_{r\theta}$−0.15±.08; $M_{r\phi}$−0.12±.08; $M_{\theta\phi}$0.00±.05. Principal Axes: T 1.74,Plg80°,Azm171°; N 0.89, Plg10°,Azm0°; P −2.63,Plg2°,Azm270°. Best double couple: $M_0$2.2×10^{17}Nm, NP1:ϕ_S350°, δ44°,λ76°. NP2:ϕ_S190°,δ47°,λ104°.

		(403) North Atlantic Ridge						
ISC	**III**	**23 20 48 48.8**±.20	**30.94N**±.043	**41.52W**±.022	**10**	**5.3b,5.8s**	**452**	**27-177**
BJI	III	23 20 48 47.0	30.91N	41.89W	10	5.6b,6.1s		**¶97iii4483**
EIDC	III	23 20 48 47.9	30.9N	41.5W	0	4.8b,5.7s		
NEIC	III	23 20 48 48.8	30.98N	41.54W	10	5.4b,5.9s		
MOS	III	23 20 48 49.0	31.1N	41.5W	10	6.0b,5.5s		
HRVD	III	23 20 48 56.6±.1	31.21N±.02	41.20W±.02	15			

NEIC Mw5.9(HRV), Mw5.8(GS).

NEIC Moment tensor solution: s48, scale 10^{17}Nm; M_{rr}−4.12; $M_{\theta\theta}$5.26; $M_{\phi\phi}$−1.13; $M_{r\theta}$−1.24; $M_{r\phi}$−2.62; $M_{\theta\phi}$2.96. Depth 4km; Principal axes: T 6.84,Plg11°,Azm156°; N −1.17,Plg29°, Azm60°; P −5.66,Plg58°,Azm265°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S278°,δ42°, λ−44°. NP2:ϕ_S43°,δ62°,λ−123°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c60; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.52±.10; $M_{\theta\theta}$−0.81±.14; $M_{\phi\phi}$7.33±.12; $M_{r\theta}$0.24±.37; $M_{r\phi}$1.81±.50; $M_{\theta\phi}$1.03±.11. Principal Axes: T 7.69,Plg7°,Azm277°; N −0.94, Plg0°,Azm7°; P −6.75,Plg83°,Azm98°. Best double couple: $M_0$7.2×10^{17}Nm, NP1:ϕ_S7°,δ38°, λ−90°. NP2:ϕ_S187°,δ52°,λ−90°.

		(9) Fox Islands						
ISC	**III**	**24 06 34 45.0**±.21	**51.49N**±.035	**168.21W**±.040	**36**	**5.0b,4.6s**	**234**	**2-152**
BJI	III	24 06 34 42.5	51.39N	168.11W	36	4.9b,5.8s		**¶97iii4540**
NEIC	III	24 06 34 44.3	51.46N	168.24W	33	5.0b,4.4s		
MOS	III	24 06 34 45.1	51.7N	168.2W	33	5.6b		
EIDC	III	24 06 34 45.3	51.3N	168.4W	36	4.7b		

NEIC $M_{L5.0}$(PMR), $M_{L4.8}$(AEIC).

		(694) Northern Easter I. Cordillera						
ISC	**III**	**25 08 09 19.6**±.51	**4.48S**±.077	**105.2W**±.11	**10**	**4.6b,5.3s**	**107**	**23-153**
EIDC	III	25 08 09 17.8	4.6S	105.5W	0	4.4b,5.3s		**¶97iii4696**
MOS	III	25 08 09 19.2	4.5S	104.7W	10	5.2b		
NEIC	III	25 08 09 19.2	4.52S	105.27W	10	5.0b,5.3s		
BJI	III	25 08 09 21.5	3.89S	105.80W	10	6.1s		
HRVD	III	25 08 09 25.3±.2	4.48S±.02	105.49W±.02	15			

NEIC Mw5.7(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c65; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.05; $M_{\theta\theta}$0.84±.06; $M_{\phi\phi}$−0.98±.08; $M_{r\theta}$−0.15±.22; $M_{r\phi}$1.59±.23; $M_{\theta\phi}$3.07±.06. Principal Axes: T 3.37,Plg16°,Azm320°; N 0.39, Plg64°,Azm194°; P −3.76,Plg20°,Azm56°. Best double couple: $M_0$3.6×10^{17}Nm, NP1:ϕ_S97°, δ65°,λ−3°. NP2:ϕ_S188°,δ87°,λ−154°.

		(403) North Atlantic Ridge						
ISC	**III**	**25 14 20 48.7**±.28	**30.88N**±.060	**41.59W**±.030	**10**	**4.9b,4.9s**	**233**	**27-172**
EIDC	III	25 14 20 48.4	30.9N	41.6W	0	4.5b,4.7s		**¶97iii4742**
NEIC	III	25 14 20 48.6	30.91N	41.60W	10	5.2b,5.0s		
BJI	III	25 14 20 49.8	30.96N	41.67W	27	5.0b,5.4s		
MOS	III	25 14 20 50.0	31.3N	41.7W	10	5.5b,4.7s		
HRVD	III	25 14 20 54.3±.7	30.90N±.19	40.83W±.19	15			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s9,c12; Half duration: 1s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.56±.07; $M_{\theta\theta}$−0.10±.13; $M_{\phi\phi}$0.66±.11; $M_{r\theta}$0.62±.29; $M_{r\phi}$1.16±.48; $M_{\theta\phi}$0.22±.09. Principal Axes: T 1.52,Plg32°,Azm291°; N −0.12, Plg7°,Azm26°; P −1.40,Plg57°,Azm127°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S357°, δ14°,λ−120°. NP2:ϕ_S208°,δ77°,λ−83°.

		(6) Rat Islands						
ISC	**III**	**26 02 08 57.8**±.59	**51.28N**±.028	**179.53E**±.027	**36**±5.2	**6.0b,6.5s**	**636**	**2-160**
EIDC	III	26 02 08 53.3	51.3N	179.6E	0	5.6b		**¶97iii4828**
BJI	III	26 02 08 54.6	51.11N	179.78E	33	6.1b,6.6s		
NEIC	III	26 02 08 57.2	51.28N	179.53E	33	6.0b,6.5s		
MOS	III	26 02 08 58.6	51.4N	179.6E	41	6.4b,6.8s		
HRVD	III	26 02 09 03.9±.1	51.23N±.01	179.54E±.01	31±.4			

NEIC Mw6.7(HRV), M_L6.3(PMR)

NEIC Radiated energy from the P−wave first−motion solution: 3.2±0.4×10^{13}Nm/28

NEIC Mw 6.6 (GS). Me 6.1 (GS). Felt I=IV MM on Adak. This shallow-dipping thrust earthquake is located very near the eastern end of the rupture zone of the February 4, 1965 magnitude 8.7 (Mw) earthquake, which is also the eastern boundary of the Rat Island block. Mo=2.0×10^{19}Nm (PPT).

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S255°,δ15°,λ90°. NP2:ϕ_S75°,δ75°,λ90°. Principal axes: T Plg60°,Azm345°; P Plg30°,Azm165°. Complex earthquake, with two events occurring about 3 seconds apart. Depth from synthetics of broadband displacement seismogams, based on first event.

NEIC Moment tensor solution: s69, scale 10^{18}Nm; M_{rr}5.47; $M_{\theta\theta}$−4.43; $M_{\phi\phi}$−1.04; $M_{r\theta}$6.06; $M_{r\phi}$3.87; $M_{\theta\phi}$−2.04. Depth 12km; Principal axes: T 9.08,Plg63°,Azm323°; N −0.14,Plg3°, Azm60°; P −8.94,Plg26°,Azm152°. Best double couple: $M_0$9.0×10^{18}Nm; NP1:ϕ_S250°,δ19°, λ101°. NP2:ϕ_S59°,δ72°,λ86°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c134; Mantle waves: s50,c118; Half duration: 5s2. Moment tensor: Scale 10^{18}Nm; M_{rr}7.72±.05; $M_{\theta\theta}$−7.89±.05; $M_{\phi\phi}$0.17±.04; $M_{r\theta}$6.94±.16; $M_{r\phi}$4.20±.13; $M_{\theta\phi}$−2.99±.03. Principal Axes: T 11.2,Plg67°,Azm317°; N 0.9,Plg8°,Azm65°; P −12.1,Plg22°,Azm159°. Best double couple: $M_0$1.2×10^{19}Nm, NP1:ϕ_S263°,δ24°,λ109°. NP2:ϕ_S62°,δ67°,λ82°.

		(235) Kyūshū						
ISC	**III**	**26 08 31 46.8**±.57	**31.95N**±.018	**130.37E**±.018	**6**±3.5	**5.5b,6.1s**	**567**	**0-164**
BJI	III	26 08 31 46.1	31.93N	130.36E	8	5.5b,6.5s		**¶97iii4864**
NEIC	III	26 08 31 47.1	31.92N	130.43E	10	5.6b,5.9s		
JMA	III	26 08 31 47.9±.1	31.97N±.01	130.36E±.01	12±3	6.5		
MOS	III	26 08 31 50.5	31.9N	130.5E	33	6.1b,6.4s		
EIDC	III	26 08 31 50.5	31.9N	130.4E	32	4.9b,6.1s		
HRVD	III	26 08 31 53.0±.1	32.04N±.01	130.09E±.01	30±1.3			

NEIC Mw6.1(HRV), Mw6.0(GS). Casualties I=X MM, landslide/avalanche observed.

NEIC Moment tensor solution: s20, scale 10^{18}Nm; M_{rr}0.18; $M_{\theta\theta}$−0.38; $M_{\phi\phi}$−0.38; $M_{r\theta}$0.01; $M_{r\phi}$0.18; $M_{\theta\phi}$1.18. Depth 25km; Principal axes: T 1.14,Plg7°,Azm321°; N 0.18,Plg81°,Azm176°; P −1.32,Plg5°,Azm52°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S97°,δ81°,λ2°. NP2:ϕ_S7°, δ88°,λ171°.

NEIC At least 22 people injured, many houses damaged and landslides occurred in Kagoshima Prefecture. Railway services interrupted in Kagoshima Prefecture and airports temporarily closed at Kagoshima, Kumamoto and Miyazaki. Felt I=VI J at Akune, Togomachi and Tsuruda; V J at Miyanojo and Sendai; IV J at Hitoyoshi, Miyakonojo, Okuchi and Yatsushiro; III J at Kurume, Makurazaki, Miyazaki, Oita and Saga. Felt IV J at Ushibuka, Amakusa-Shimo-jima. Also felt in much of Shikoku and parts of western Honshu.

JMA Felt I=V J1

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c93; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.23±.02; $M_{\theta\theta}$0.62±.03; $M_{\phi\phi}$−0.40±.03; $M_{r\theta}$0.05±.05; $M_{r\phi}$0.04±.05; $M_{\theta\phi}$1.69±.02. Principal Axes: T 1.88,Plg2°,Azm323°; N −0.23, Plg88°,Azm142°; P −1.65,Plg0°,Azm233°. Best double couple: $M_0$1.8×10^{18}Nm, NP1:ϕ_S8°, δ89°,λ179°. NP2:ϕ_S98°,δ89°,λ1°.

(190) New Ireland region

ISC	**III**	**28 05 15 11**±1.1	**4.63S**±.036	**153.15E**±.058	**51**±11	**4.9b,4.5s**	**164**	**1-158**
EIDC	III	28 05 15 05.1	4.6S	153.2E	0	4.8b,4.2L		**¶97iii5365**
NEIC	III	28 05 15 09.3	4.61S	153.13E	33	4.9b,4.4s		
BJI	III	28 05 15 09.6	4.63S	153.33E	46	5.2b,4.7s		
MOS	III	28 05 15 10.2	4.6S	153.0E	33	5.5b		

(173) Tonga

ISC	**III**	**30 08 38 28.9**±.19	**16.29S**±.048	**173.28W**±.050	**43**±1.6*	**4.9b,5.4s**	**275**	**3-164**
NEIC	III	30 08 38 27.4	16.25S	173.34W	33	5.0b,5.5s		**¶97iii5727**
BJI	III	30 08 38 28.9	16.23S	173.32W	36	5.0b,5.4s		
EIDC	III	30 08 38 29.6	16.3S	173.3W	42	4.5b,5.3s		
HRVD	III	30 08 38 33.0±.1	16.23S±.02	172.87W±.02	20±1.1			
MOS	III	30 08 38 34.7	15.9S	174.3W	33	5.4b,5.4s		

NEIC Mw5.7(GS), Mw5.7(HRV).

NEIC Moment tensor solution: s15, scale 10^{17}Nm; M_{rr}2.37; $M_{\theta\theta}$0.71; $M_{\phi\phi}$−3.08; $M_{r\theta}$−1.82; $M_{r\phi}$1.20; $M_{\theta\phi}$1.02. Depth 26km; Principal axes: T 3.57,Plg59°,Azm188°; N 0.21,Plg27°, Azm333°; P −3.79,Plg16°,Azm71°. Best double couple: $M_0$3.7×10^{17}Nm; NP1:ϕ_S194°,δ37°, λ137°. NP2:ϕ_S320°,δ66°,λ61°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c64; Half duration: 1$\mathcal{S}$7. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70±.05; $M_{\theta\theta}$−0.06±.07; $M_{\phi\phi}$−2.64±.07; $M_{r\theta}$−1.65±.15; $M_{r\phi}$2.06±.19; $M_{\theta\phi}$1.48±.06. Principal Axes: T 3.76,Plg67°,Azm215°; N 0.51, Plg10°,Azm329°; P −4.26,Plg20°,Azm63°. Best double couple: $M_0$4.0×10^{17}Nm, NP1: ϕ_S169°,δ26°,λ112°. NP2:ϕ_S325°,δ66°,λ80°.

(7) Andreanof Islands

ISC	**III**	**30 23 05 57**±1.6	**51.36N**±.037	**178.10W**±.034	**32**±11	**5.3b,4.9s**	**426**	**1-156**
BJI	III	30 23 05 55.6	51.34N	177.98W	32	5.3b,5.1s		**¶97iii5818**
MOS	III	30 23 05 57.1	51.5N	178.1W	28	5.6b,5.1s		
NEIC	III	30 23 05 57.3	51.37N	178.09W	33	5.4b,4.9s		
HRVD	III	30 23 05 57.8±.5	51.20N±.05	177.75W±.09	47±3.9			
EIDC	III	30 23 05 58.6	51.4N	178.0W	32	4.8b,4.8s		

NEIC Mw5.5(HRV), M_L5.5(PMR)

NEIC Felt on Adak.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c41; Half duration: 1$\mathcal{S}$5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.04; $M_{\theta\theta}$−1.29±.06; $M_{\phi\phi}$0.69±.06; $M_{r\theta}$1.35±.11; $M_{r\phi}$0.71±.09; $M_{\theta\phi}$0.31±.07. Principal Axes: T 1.83,Plg48°,Azm304°; N 0.17, Plg29°,Azm71°; P −1.99,Plg28°,Azm179°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S317°,δ32°,λ158°. NP2:ϕ_S65°,δ79°,λ60°.

(219) Off east coast of Kamchatka

ISC	**III**	**31 19 36 06**±1.3	**53.26N**±.035	**161.47E**±.050	**29**±9.0	**5.3b,5.0s**	**412**	**1-145**
EIDC	III	31 19 36 02.9	53.4N	161.3E	0	4.9b,4.5s		**¶97iii5921**
KRSC	III	31 19 36 03.8	53.08N	161.96E	41	5.4b		
BJI	III	31 19 36 04.5	53.39N	161.35E	30	5.2b,5.4s		
NEIC	III	31 19 36 06.2	53.28N	161.55E	33	5.4b,4.9s		
MOS	III	31 19 36 07.1	53.3N	161.4E	43	5.9b,5.4s		
HRVD	III	31 19 36 09.8±.5	53.16N±.06	161.88E±.06	39±2.6			

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c39; Half duration: 1$\mathcal{S}$1. Moment tensor: Scale 10^{16}Nm; M_{rr}7.56±.48; $M_{\theta\theta}$−1.02±.50; $M_{\phi\phi}$−6.55±.42; $M_{r\theta}$2.68±.69; $M_{r\phi}$1.89±.79; $M_{\theta\phi}$−5.55±.60. Principal Axes: T 8.3,Plg75°,Azm354°; N 2.2, Plg12°,Azm215°; P −10.5,Plg10°,Azm123°. Best double couple: $M_0$9.4×10^{16}Nm, NP1: ϕ_S199°,δ37°,λ70°. NP2:ϕ_S43°,δ56°,λ104°.

(83) South of Panama

ISC	**IV**	**01 15 11 49**±1.1	**7.78N**±.034	**82.39W**±.028	**31**±7.7	**5.4b,5.5s**	**470**	**1-155**
EIDC	IV	01 15 11 44.2	7.9N	82.2W	0	4.7b,5.0s		**¶97iv0087**
NEIC	IV	01 15 11 49.0	7.77N	82.40W	33	5.7b,5.4s		
MOS	IV	01 15 11 49.4	7.8N	82.4W	33	6.0b,5.5s		
BJI	IV	01 15 11 50.0	7.82N	82.41W	39	6.2s		
HRVD	IV	01 15 11 53.9±.1	7.70N±.01	82.21W±.01	23±1.0			

NEIC Mw6.1(HRV), M_D5.3(UPA)

NEIC Mw 6.0 (GS). Felt in Chiriqui Province.

NEIC Moment tensor solution: s19, scale 10^{18}Nm; M_{rr}−0.03; $M_{\theta\theta}$0.47; $M_{\phi\phi}$−0.43; $M_{r\theta}$−0.08; $M_{r\phi}$0.23; $M_{\theta\phi}$1.21. Depth 17km; Principal axes: T 1.31,Plg3°,Azm325°; N 0.00,Plg79°, Azm221°; P −1.31,Plg10°,Azm55°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S100°,δ81°, λ−5°. NP2:ϕ_S191°,δ85°,λ−171°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c103; Mantle waves: s46,c70; Half duration: 2$\mathcal{S}$6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.03±.01; $M_{\theta\theta}$−0.29±.01; $M_{\phi\phi}$0.32±.02; $M_{r\theta}$0.23±.03; $M_{r\phi}$0.36±.04; $M_{\theta\phi}$1.47±.01. Principal Axes: T 1.62,Plg14°,Azm309°; N −0.14,Plg76°,Azm138°; P −1.49,Plg2°,Azm39°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S85°,δ78°,λ9°. NP2:ϕ_S353°,δ81°,λ168°.

(123) Northern Chile

ISC	**IV**	**01 18 42 08**±1.1	**18.22S**±.035	**69.25W**±.038	**56**±11	**5.8b,5.8s**	**441**	**2-171**
MOS	IV	01 18 42 01.8	18.1S	69.2W	11	6.0b		**¶97iv0125**
NEIC	IV	01 18 42 14.0	18.35S	69.35W	116	5.8b		
BJI	IV	01 18 42 14.2	17.98S	69.29W	108			
EIDC	IV	01 18 42 15.6	18.3S	69.4W	116	5.3b		
HRVD	IV	01 18 42 18.1±.3	18.07S±.03	69.62W±.03	106±1.8			

NEIC Mw6.2(HRV), Mw6.1(GS)

NEIC Felt in the Arica-Iquique area. Also felt in the Tacna area, Peru.

NEIC Moment tensor solution: s35, scale 10^{18}Nm; M_{rr}−0.30; $M_{\theta\theta}$−0.67; $M_{\phi\phi}$0.97; $M_{r\theta}$0.79; $M_{r\phi}$−1.23; $M_{\theta\phi}$0.40. Depth 108km; Principal axes: T 1.72,Plg32°,Azm88°; N 0.04,Plg31°, Azm336°; P −1.76,Plg42°,Azm212°. Best double couple: $M_0$1.7×10^{18}Nm; NP1:ϕ_S233°,δ32°, λ−11°. NP2:ϕ_S332°,δ84°,λ−121°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c37; Mantle waves: s29,c44; Half duration: 2$\mathcal{S}$9. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.72±.06; $M_{\theta\theta}$−0.51±.05; $M_{\phi\phi}$1.23±.05; $M_{r\theta}$0.78±.04; $M_{r\phi}$−1.38±.04; $M_{\theta\phi}$−0.72±.04. Principal Axes: T 2.30,Plg27°,Azm68°; N −0.70,Plg13°,Azm331°; P −1.60,Plg59°,Azm218°. Best double couple: $M_0$2.0×10^{18}Nm, NP1:ϕ_S188°,δ21°,λ−51°. NP2:ϕ_S327°,δ74°,λ−104°.

(222) Kuril Islands region

ISC	**IV**	**02 00 01 24.1**±.15	**44.30N**±.028	**152.88E**±.030	**34**±2.2*	**5.1b,4.8s**	**418**	**4-152**
EIDC	IV	02 00 01 20.0	44.3N	153.0E	0	4.7b,4.4s		**¶97iv0160**
HRVD	IV	02 00 01 22.5±.4	44.53N±.07	153.37E±.11	19			
JMA	IV	02 00 01 22.6±.7	44.77N±.11	153.01E±.08	30	5.4		
SKHL	IV	02 00 01 23.0	44.6N±.21	153.1E±.28	38±9			
BJI	IV	02 00 01 23.5	44.36N	152.85E	31	5.5b,4.9s		
NEIC	IV	02 00 01 23.8	44.35N	152.97E	33	5.3b,4.7s		
MOS	IV	02 00 01 27.6	44.9N	153.0E	37	5.6b,4.9s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c33; Half duration: 1$\mathcal{S}$1. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.53±.78; $M_{\theta\theta}$7.83±.49; $M_{\phi\phi}$−3.30±.87; $M_{r\theta}$2.12±1.89; $M_{r\phi}$−4.55±1.20; $M_{\theta\phi}$5.21±.83. Principal Axes: T 9.90,Plg1°,Azm339°; N 0.08, Plg47°,Azm70°; P −9.97,Plg43°,Azm248°. Best double couple: $M_0$9.9×10^{16}Nm, NP1:ϕ_S32°, δ60°,λ−148°. NP2:ϕ_S285°,δ62°,λ−34°.

SKHL K12

NEIC Mw5.3(HRV).

(235) Kyūshū

ISC	**IV**	**02 19 33 22.7**±.62	**31.93N**±.021	**130.31E**±.020	**13**±4.0	**5.1b,5.1s**	**392**	**0-157**
MOS	IV	02 19 33 21.1	31.9N	130.3E	10	5.5b,5.3s		**¶97iv0292**
EIDC	IV	02 19 33 21.3	31.9N	130.3E	0	4.8b,4.6s		
BJI	IV	02 19 33 21.6	31.91N	130.32E	11	5.5L,5.1b		
NEIC	IV	02 19 33 22.2	31.82N	130.09E	10	5.1b,5.0s		
JMA	IV	02 19 33 23.3±.1	31.97N±.00	130.32E±.01	15±2	5.6		
HRVD	IV	02 19 33 26.5±.3	31.82N±.05	130.17E±.06	15			

BJI Ms5.6

NEIC Mw5.5(HRV)

NEIC At least four people injured, five buildings damaged, landslides, avalanches and road damage in Kagoshima Prefecture. Felt I=V J at Akune, Miyanojo and Sendai. Felt in parts of Kumamoto and Miyazaki Prefectures.

JMA Felt I=V J1

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c50; Half duration: 1$\mathcal{S}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.20±.07; $M_{\theta\theta}$0.38±.06; $M_{\phi\phi}$−0.18±.09; $M_{r\theta}$0.83±.24; $M_{r\phi}$0.58±.25; $M_{\theta\phi}$1.58±.07. Principal Axes: T 2.14,Plg23°,Azm321°; N −0.62, Plg66°,Azm128°; P −1.52,Plg5°,Azm229°. Best double couple: $M_0$1.8×10^{17}Nm, NP1:ϕ_S2°, δ70°,λ166°. NP2:ϕ_S97°,δ77°,λ20°.

(173) Tonga

ISC	**IV**	**05 15 46 58.7**±.55	**19.4S**±.13	**173.5W**±.10	**33**	**4.4b,**5.3s	**50**	**13-152**
BJI	IV	05 15 46 58.5	19.40S	173.50W	33	5.0b,5.8s		**¶97iv0799**
NEIC	IV	05 15 46 58.5	19.44S	173.53W	33	4.7b		
EIDC	IV	05 15 46 59.7	19.6S	173.5W	33	4.1b		
MOS	IV	05 15 47 02.1	19.1S	174.0W	33	5.2b		

NEIC Less reliable solution.

(153) South Sandwich Islands region

ISC	**IV**	**05 18 13 45**±2.3	**57.92S**±.066	**25.6W**±.18	**31**±21	**5.1b,4.9s**	**106**	**15-159**
MOS	IV	05 18 13 43.8	57.7S	26.9W	33	5.4b		**¶97iv0824**
BJI	IV	05 18 13 44.4	57.90S	25.60W	33	5.8s		
NEIC	IV	05 18 13 44.4	57.86S	25.58W	33	5.1b,4.9s		
EIDC	IV	05 18 13 49.3	58.0S	25.8W	60	4.8b		
HRVD	IV	05 18 13 51.6±1.0	57.87S±.19	25.39W±.13	36±9.5			

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c22; Half duration: 1$\mathcal{S}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.87±.59; $M_{\theta\theta}$0.79±.75; $M_{\phi\phi}$−6.66±.68; $M_{r\theta}$1.09±2.96; $M_{r\phi}$3.33±2.78; $M_{\theta\phi}$0.94±.57. Principal Axes: T 6.97,Plg71°,Azm309°; N 0.57, Plg12°,Azm178°; P −7.54,Plg14°,Azm85°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S159°,δ33°,λ67°. NP2:ϕ_S6°,δ60°,λ104°.

(238) Ryūkyū Islands

ISC	**IV**	**05 20 37 41.4**±.66	**28.72N**±.021	**128.58E**±.025	**19**±5.0	**5.3b,5.2s**	**363**	**2-174**
JMA	IV	05 20 37 38.3±.1	28.75N±.01	128.49E±.02	0	5.5		**¶97iv0850**
MOS	IV	05 20 37 42.8	28.7N	128.6E	33	5.7b,5.4s		
BJI	IV	05 20 37 43.0	28.69N	128.51E	33	5.7L,5.4b		
NEIC	IV	05 20 37 43.1	28.73N	128.54E	33	5.4b,5.3s		
HRVD	IV	05 20 37 43.3±.2	28.67N±.03	128.28E±.04	15			
EIDC	IV	05 20 37 45.7	28.7N	128.6E	46	4.7b,4.3s		

BJI Ms5.6

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c62; Half duration: 1$\mathcal{S}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.77±.07; $M_{\theta\theta}$1.61±.05; $M_{\phi\phi}$0.17±.10; $M_{r\theta}$0.74±.26; $M_{r\phi}$0.06±.18; $M_{\theta\phi}$0.40±.06. Principal Axes: T 1.86,Plg11°,Azm346°; N 0.07, Plg3°,Azm77°; P −1.93,Plg78°,Azm183°. Best double couple: $M_0$1.9×10^{17}Nm, NP1:ϕ_S72°, δ34°,λ−96°. NP2:ϕ_S259°,δ57°,λ−86°.

(238) Ryūkyū Islands

ISC	**IV**	**05 20 51 57.0**±.74	**28.70N**±.023	**128.72E**±.030	**30**±5.7	**5.1b,5.2s**	**262**	**1-174**
JMA	IV	05 20 51 53.4±.2	28.77N±.01	128.56E±.02	6	5.3		**¶97iv0853**
MOS	IV	05 20 51 56.8	28.8N	128.7E	33	5.7b,5.5s		
BJI	IV	05 20 51 57.2	28.53N	128.68E	40	5.4L,5.3b		
NEIC	IV	05 20 51 57.2	28.76N	128.60E	33	5.2b		
EIDC	IV	05 20 51 59.8	28.8N	128.7E	42	4.5b,3.7L		

BJI Ms5.4

(321) Southern Xinjiang Province

ISC	**IV**	**05 23 46 19**±1.0	**39.54N**±.026	**76.88E**±.022	**23**±7.6	**5.3b,5.9s**	**519**	**1-155**
BJI	IV	05 23 46 19.1	39.60N	76.82E	32	5.4b,6.3s		**¶97iv0882**
NEIC	IV	05 23 46 19.5	39.51N	76.87E	33	5.4b,5.9s		
MOS	IV	05 23 46 20.3	39.6N	76.9E	33	6.0b,6.1s		
HRVD	IV	05 23 46 22.6±.2	39.41N±.03	76.93E±.02	33			
EIDC	IV	05 23 46 24.0	39.5N	76.9E	67	5.0b,5.3s		

NEIC Mw5.9(GS), Mw5.9(HRV)

NEIC At least 23 people injured, 3,000 buildings damaged or destroyed and 100 head of livestock killed in Jiashi County by this earthquake and the event on April 6 at 04:36 UTC.

NEIC Moment tensor solution: s24, scale 10^{17}Nm; M_{rr}−1.35; $M_{\theta\theta}$−4.11; $M_{\phi\phi}$5.45; $M_{r\theta}$−2.82; $M_{r\phi}$−0.36; $M_{\theta\phi}$5.43. Depth 14km; Principal axes: T 8.15,Plg9°,Azm116°; N −0.62,Plg66°, Azm228°; P −7.53,Plg22°,Azm22°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S161°,δ68°, λ−171°. NP2:ϕ_S67°,δ81°,λ−22°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c87; Half duration: 2$\mathcal{S}$2. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.12±.12; $M_{\theta\theta}$−2.95±.18; $M_{\phi\phi}$6.07±.15; $M_{r\theta}$−1.22±.30; $M_{r\phi}$−1.65±.32; $M_{\theta\phi}$6.05±.14. Principal Axes: T 9.43,Plg9°,Azm117°; N −3.40, Plg78°,Azm257°; P −6.03,Plg7°,Azm26°. Best double couple: $M_0$7.7×10^{17}Nm, NP1:ϕ_S161°, δ78°,λ179°. NP2:ϕ_S251°,δ89°,λ12°.

(321) Southern Xinjiang Province

ISC	**IV**	**06 04 36 35**±1.3	**39.54N**±.025	**77.00E**±.021	**31**±9.3	**5.4b,5.9s**	**604**	**1-155**
BJI	IV	06 04 36 33.3	39.44N	77.02E	20	5.3b,6.2s		**¶97iv0925**
NEIC	IV	06 04 36 35.2	39.54N	77.00E	33	5.6b,5.8s		
MOS	IV	06 04 36 35.3	39.5N	76.9E	33	6.1b,6.2s		
HRVD	IV	06 04 36 38.4±.2	39.52N±.03	77.03E±.03	15			
EIDC	IV	06 04 36 39.5	39.5N	77.0E	57	5.0b,5.7s		

NEIC Mw6.0(HRV), Me5.3(GS)

NEIC Radiated energy from the P−wave first−motion solution: 1.7±0.5×10^{12}Nm/9

NEIC Mw 5.8 (GS). Injuries and damage for this earthquake are included in the comment for the event on April 5 at 23:46 UTC.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ35°,λ−45°. NP2:ϕ_S54°,δ66°,λ−116°. Principal axes: T Plg17°,Azm163°; P Plg60°,Azm285°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s29, scale 10^{17}Nm; M_{rr}−4.93; $M_{\theta\theta}$−0.26; $M_{\phi\phi}$5.19; $M_{r\theta}$−0.62; $M_{r\phi}$−3.07; $M_{\theta\phi}$2.04. Depth 8km; Principal axes: T 6.70,Plg15°,Azm108°; N −0.92,Plg4°, Azm17°; P −5.78,Plg74°,Azm272°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S203°,δ30°, λ−82°. NP2:ϕ_S14°,δ60°,λ−95°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c67; Half duration: 2$\mathcal{S}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.08±.19; $M_{\theta\theta}$2.09±.24; $M_{\phi\phi}$3.99±.19; $M_{r\theta}$1.12±.74; $M_{r\phi}$−5.95±.67; $M_{\theta\phi}$6.73±.21. Principal Axes: T 10.8,Plg14°,Azm126°; N −0.5, Plg34°,Azm27°; P −10.3,Plg53°,Azm235°. Best double couple: $M_0$1.1×10^{18}Nm, NP1: ϕ_S253°,δ43°,λ−36°. NP2:ϕ_S10°,δ67°,λ−127°.

(321) Southern Xinjiang Province

ISC	**IV**	**06 12 58 19.5**±.68	**39.50N**±.031	**76.93E**±.028	**43**±6.5	**5.0b,5.0s**	**326**	**1-155**
BJI	IV	06 12 58 17.3	39.42N	77.04E	21	4.8L,4.9b		**¶97iv0998**
NEIC	IV	06 12 58 18.3	39.52N	76.92E	33	5.2b,4.8s		
MOS	IV	06 12 58 19.3	39.7N	76.9E	33	5.5b,5.2s		
HRVD	IV	06 12 58 20.9±.6	39.48N±.09	76.99E±.09	33			
EIDC	IV	06 12 58 22.9	39.5N	76.9E	59	4.6b		

BJI Ms5.2

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c31; Half duration: 1$\mathcal{S}$1. Moment tensor: Scale 10^{16}Nm; M_{rr}−8.35±.57; $M_{\theta\theta}$2.18±.88; $M_{\phi\phi}$6.17±.61; $M_{r\theta}$1.03±1.44; $M_{r\phi}$−4.71±2.07; $M_{\theta\phi}$3.68±.69. Principal Axes: T 9.1,Plg12°,Azm116°; N 1.0, Plg17°,Azm23°; P −10.1,Plg69°,Azm241°. Best double couple: $M_0$9.6×10^{16}Nm, NP1: ϕ_S227°,δ36°,λ−61°. NP2:ϕ_S12°,δ59°,λ−109°.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(110) Peru-Ecuador border region						
ISC	**IV**	**06 17 24 57.8**±.99	**2.82S**±.049	**77.84W**±.045	**42**±8.1	**5.0b,4.6s**	**220**	**4-164**
EIDC	IV	06 17 24 53.5	2.6S	77.7W	0	4.7b,4.7s		**¶97iv1026**
BJI	IV	06 17 24 56.8	2.80S	77.80W	33			
NEIC	IV	06 17 24 56.8	2.79S	77.84W	33	5.2b,4.5s		
MOS	IV	06 17 24 57.9	2.8S	78.1W	33	5.5b		
		(9) Fox Islands						
ISC	**IV**	**08 15 14 20**±1.5	**52.03N**±.041	**171.46W**±.036	**19**±10	**5.3b,5.1s**	**355**	**3-154**
BJI	IV	08 15 14 21.8	52.02N	171.43W	46	5.6b,5.1s		**¶97iv1351**
MOS	IV	08 15 14 22.2	52.2N	171.4W	31	5.6b,5.0s		
NEIC	IV	08 15 14 23.3	52.06N	171.41W	46	5.2b,5.2s		
EIDC	IV	08 15 14 23.7	52.1N	171.5W	36	4.8b,4.8s		
HRVD	IV	08 15 14 26.0±.3	52.01N±.02	171.60W±.05	33±1.9			

NEIC Mw5.5(HRV), M_L5.5(PMR).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c67; Half duration: 1$\mathfrak{s}$4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.37±.03; $M_{\theta\theta}$−1.28±.04; $M_{\phi\phi}$−0.09±.05; $M_{r\theta}$0.83±.11; $M_{r\phi}$0.56±.10; $M_{\theta\phi}$−0.51±.05. Principal Axes: T 1.70,Plg71°,Azm314°; N 0.07, Plg7°,Azm65°; P −1.77,Plg17°,Azm157°. Best double couple: $M_0$1.7×10^{17}Nm, NP1:ϕ_S258°, δ28°,λ105°. NP2:ϕ_S62°,δ63°,λ82°.

		(95) Windward Islands						
ISC	**IV**	**08 17 11 58.7**±.44	**11.05N**±.026	**61.02W**±.031	**45**±4.1	**5.0b,5.0s**	**314**	**0-163**
TRN	IV	08 17 11 53.2	11.0N	60.7W	5	4.7$_D$		**¶97iv1367**
NEIC	IV	08 17 11 53.6	11.05N	60.79W	5	5.2b,5.0s		
EIDC	IV	08 17 11 53.8	11.1N	61.0W	0	4.9b,5.1s		
BJI	IV	08 17 11 54.4	11.01N	60.87W	17			
MOS	IV	08 17 11 54.9	10.8N	60.6W	10	5.8b,4.9s		
HRVD	IV	08 17 11 59.0±.2	11.33N±.03	61.04W±.04	15			

NEIC Mw5.5(HRV)

NEIC Felt I=IV MM on Trinidad and Tobago.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c57; Half duration: 1$\mathfrak{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.44±.06; $M_{\theta\theta}$1.38±.05; $M_{\phi\phi}$0.07±.09; $M_{r\theta}$−0.18±.22; $M_{r\phi}$0.41±.21; $M_{\theta\phi}$−0.90±.06. Principal Axes: T 1.87,Plg6°,Azm208°; N −0.32, Plg14°,Azm299°; P −1.55,Plg75°,Azm94°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S283°,δ41°,λ−111°. NP2:ϕ_S130°,δ53°,λ−73°.

		(238) Ryūkyū Islands						
ISC	**IV**	**09 07 02 47**±1.1	**26.09N**±.026	**128.57E**±.027	**3**±6.2	**5.3b,5.4s**	**327**	**1-169**
JMA	IV	09 07 02 49.1±.2	26.02N±.02	128.63E±.02	65	5.5		**¶97iv1469**
BJI	IV	09 07 02 50.0	26.13N	128.54E	33	5.3b,5.7s		
MOS	IV	09 07 02 51.0	26.2N	128.6E	33	5.9b,6.0s		
NEIC	IV	09 07 02 51.5	26.09N	128.52E	33	5.4b,5.1s		
EIDC	IV	09 07 02 51.7	26.0N	128.5E	27	4.8b,4.3s		
HRVD	IV	09 07 02 52.8±.2	25.97N±.04	128.44E±.05	19±2.1			

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c48; Half duration: 1$\mathfrak{s}$4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.05; $M_{\theta\theta}$−0.44±.05; $M_{\phi\phi}$−0.58±.07; $M_{r\theta}$1.17±.17; $M_{r\phi}$0.96±.16; $M_{\theta\phi}$−0.65±.05. Principal Axes: T 1.80,Plg62°,Azm327°; N 0.13, Plg5°,Azm227°; P −1.93,Plg27°,Azm135°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S213°,δ18°,λ75°. NP2:ϕ_S49°,δ72°,λ95°.

		(321) Southern Xinjiang Province						
ISC	**IV**	**11 05 34 44**±1.0	**39.56N**±.024	**76.95E**±.020	**20**±7.4	**5.6b,6.1s**	**693**	**1-155**
NEIC	IV	11 05 34 42.7	39.53N	76.94E	15	5.8b,6.1s		**¶97iv1809**
BJI	IV	11 05 34 42.9	39.46N	76.96E	16	5.6b,6.5s		
MOS	IV	11 05 34 45.7	39.6N	77.0E	33	6.1b,6.4s		
HRVD	IV	11 05 34 49.7±.2	39.61N±.02	76.93E±.02	15			
EIDC	IV	11 05 34 51.1	39.5N	77.0E	79	5.1b,6.1s		

NEIC Mw6.2(HRV), Me5.8(GS)

NEIC Radiated energy from the P−wave first−motion solution: 1.2±0.2×10^{13}Nm/14

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S195°,δ60°,λ−120°. NP2:ϕ_S64°,δ41°,λ−49°. Principal axes: T Plg10°,Azm306°; P Plg62°,Azm56°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}−1.16; $M_{\theta\theta}$0.14; $M_{\phi\phi}$1.02; $M_{r\theta}$−0.01; $M_{r\phi}$0.01; $M_{\theta\phi}$0.37. Depth 8km; Principal axes: T 1.15,Plg0°,Azm290°; N 0.00,Plg1°, Azm200°; P −1.16,Plg89°,Azm40°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S21°,δ45°, λ−89°. NP2:ϕ_S199°,δ45°,λ−91°.

NEIC Mw 6.0 (GS). Ms 6.0 (BRK). At least 9 people killed, 89 injured, 100,000 homeless, thousands of buildings destroyed and 11,000 livestock killed in Jiashi County. Felt in Bachu, Shule, Yingjisha and Yuehpuhu Counties. This is the largest earthquake to date in a swarm of large strike-slip and normal faulting events which began on January 21, 1997.

MOS Felt I=III MSK at Alma−Ata; I=II−III at Naryn, Sufi−Kurgan; I=II at Bishkek.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c85; Mantle waves: s36,c55; Half duration: 3$\mathfrak{s}$0. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.36±.03; $M_{\theta\theta}$0.19±.03; $M_{\phi\phi}$1.18±.02; $M_{r\theta}$0.14±.12; $M_{r\phi}$−1.15±.11; $M_{\theta\phi}$1.12±.02. Principal Axes: T 2.15,Plg15°,Azm119°; N −0.18,Plg25°,Azm22°; P −1.96,Plg60°,Azm237°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_S240°,δ37°,λ−45°. NP2:ϕ_S9°,δ65°,λ−118°.

		(238) Ryūkyū Islands						
ISC	**IV**	**11 09 32 55**±1.4	**26.05N**±.029	**128.58E**±.030	**7**±8.5	**5.0b,5.2s**	**238**	**1-175**
JMA	IV	11 09 32 56.6±.2	26.00N±.02	128.65E±.02	59±5	5.4		**¶97iv1853**
BJI	IV	11 09 32 56.7	26.09N	128.64E	34	5.2b,5.7s		
NEIC	IV	11 09 32 58.1	26.12N	128.59E	33	5.1b,4.9s		
MOS	IV	11 09 32 58.4	26.1N	128.5E	33	5.5b,5.8s		
EIDC	IV	11 09 33 00.6	26.1N	128.5E	43	4.2b,4.1s		
HRVD	IV	11 09 33 00.7±.3	25.97N±.06	128.71E±.08	25±3.5			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c43; Half duration: 1$\mathfrak{s}$2. Moment tensor: Scale 10^{16}Nm; M_{rr}7.09±.58; $M_{\theta\theta}$−3.89±.57; $M_{\phi\phi}$−3.20±.78; $M_{r\theta}$9.75±1.93; $M_{r\phi}$7.31±1.79; $M_{\theta\phi}$−6.01±.64. Principal Axes: T 13.6,Plg62°,Azm330°; N 2.4, Plg4°,Azm231°; P −16.0,Plg28°,Azm139°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S217°,δ18°,λ75°. NP2:ϕ_S53°,δ73°,λ95°.

		(238) Ryūkyū Islands						
ISC	**IV**	**11 12 01 41.6**±.92	**26.13N**±.022	**128.56E**±.023	**7**±5.4	**5.5b,5.3s**	**488**	**1-175**
EIDC	IV	11 12 01 41.5	26.1N	128.6E	0	5.1b,4.2s		**¶97iv1895**
JMA	IV	11 12 01 43.6±.2	26.04N±.02	128.64E±.02	61	5.5		
BJI	IV	11 12 01 43.9	26.12N	128.55E	33	5.0$_L$,5.5b		
MOS	IV	11 12 01 45.1	26.1N	128.6E	33	6.0b,5.7s		
NEIC	IV	11 12 01 45.4	26.12N	128.50E	33	5.5b,5.1s		
HRVD	IV	11 12 01 50.0±.3	26.12N±.06	128.67E±.06	20±2.6			

BJI Ms5.6

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c45; Half duration: 1$\mathfrak{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.07; $M_{\theta\theta}$−0.40±.06; $M_{\phi\phi}$−0.52±.07; $M_{r\theta}$1.15±.21; $M_{r\phi}$0.79±.18; $M_{\theta\phi}$−0.64±.07. Principal Axes: T 1.66,Plg62°,Azm336°; N 0.14, Plg8°,Azm231°; P −1.80,Plg27°,Azm137°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S208°,δ20°,λ65°. NP2:ϕ_S54°,δ72°,λ98°.

		(192) New Britain region						
ISC	**IV**	**12 04 11 53**±1.8	**4.54S**±.046	**152.94E**±.056	**53**±16	**5.0b,4.3s**	**155**	**8-158**
MOS	IV	12 04 11 51.1	4.4S	153.0E	33	5.5b		**¶97iv2006**
BJI	IV	12 04 11 51.1	4.55S	153.15E	46	5.3b,4.8s		
NEIC	IV	12 04 11 51.4	4.52S	152.92E	39	5.0b,4.5s		
EIDC	IV	12 04 11 55.0	4.6S	152.9E	58	4.5b,3.8s		
HRVD	IV	12 04 11 56.7±.4	4.64S±.05	153.08E±.06	59±5.0			

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c44; Half duration: 1$\mathfrak{s}$1. Moment tensor: Scale 10^{16}Nm; M_{rr}6.07±.34; $M_{\theta\theta}$−2.80±.53; $M_{\phi\phi}$−3.27±.59; $M_{r\theta}$3.80±.69; $M_{r\phi}$1.07±.65; $M_{\theta\phi}$−1.36±.46. Principal Axes: T 7.50,Plg70°,Azm352°; N −2.04, Plg10°,Azm234°; P −5.46,Plg17°,Azm141°. Best double couple: $M_0$6.5×10^{16}Nm, NP1: ϕ_S216°,δ29°,λ70°. NP2:ϕ_S59°,δ63°,λ101°.

		(179) South of Kermadec Islands						
ISC	**IV**	**13 19 13 10.2**±.88	**33.40S**±.053	**179.43W**±.052	**37**±8.3	**5.2b,5.0s**	**303**	**4-175**
MOS	IV	13 19 13 09.2	33.4S	179.3W	33	5.6b,5.1s		**¶97iv2286**
NEIC	IV	13 19 13 11.5	33.44S	179.46W	53	5.3b		
BJI	IV	13 19 13 12.2	32.97S	179.14W	61	5.2b		
HRVD	IV	13 19 13 15.6±.3	33.24S±.03	179.15W±.03	45±2.2			
EIDC	IV	13 19 13 24.7	33.3S	179.5W	150	4.8b		

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c49; Half duration: 1$\mathfrak{s}$2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.03; $M_{\theta\theta}$0.34±.05; $M_{\phi\phi}$−1.40±.05; $M_{r\theta}$0.11±.04; $M_{r\phi}$0.77±.05; $M_{\theta\phi}$−0.28±.03. Principal Axes: T 1.28,Plg74°,Azm277°; N 0.39, Plg0°,Azm9°; P −1.66,Plg16°,Azm99°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S190°, δ29°,λ91°. NP2:ϕ_S8°,δ61°,λ89°.

		(183) Santa Cruz Islands region						
ISC	**IV**	**13 19 53 53.3**±.19	**10.78S**±.039	**164.26E**±.038	**47**±2.8*	**5.1b,5.2s**	**223**	**4-168**
MOS	IV	13 19 53 51.9	10.6S	164.3E	33	5.7b,5.2s		**¶97iv2291**
NEIC	IV	13 19 53 51.9	10.67S	164.21E	33	5.3b,5.2s		
HRVD	IV	13 19 53 53.0±.3	10.80S±.03	164.37E±.04	22±2.7			
EIDC	IV	13 19 53 53.8	10.8S	164.3E	39	4.6b,4.8$_L$		
BJI	IV	13 19 53 53.9	10.62S	164.24E	45	5.4b,5.2s		

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c82; Half duration: 1$\mathfrak{s}$4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.63±.05; $M_{\theta\theta}$1.85±.08; $M_{\phi\phi}$−1.22±.08; $M_{r\theta}$−0.48±.17; $M_{r\phi}$−0.70±.14; $M_{\theta\phi}$1.91±.07. Principal Axes: T 2.92,Plg12°,Azm153°; N −0.67,Plg70°,Azm28°; P −2.25,Plg16°,Azm247°. Best double couple: $M_0$2.6×10^{17}Nm, NP1: ϕ_S290°,δ70°,λ−3°. NP2:ϕ_S20°,δ87°,λ−160°.

		(121) Off coast of Northern Chile						
ISC	**IV**	**13 23 20 33.9**±.88	**18.39S**±.037	**71.22W**±.051	**37**±8.6	**5.0b,5.2s**	**185**	**2-172**
NEIC	IV	13 23 20 33.3	18.37S	71.25W	33	5.1b,5.1s		**¶97iv2326**
MOS	IV	13 23 20 34.3	18.5S	71.6W	33	5.6b		
BJI	IV	13 23 20 34.9	18.43S	71.29W	43	5.9s		
HRVD	IV	13 23 20 38.4±.2	18.56S±.03	71.87W±.03	51±1.7			
EIDC	IV	13 23 20 39.6	18.4S	71.2W	77	4.5b		

NEIC Mw5.5(HRV)

NEIC Felt I=II MM at Arequipa, Peru.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c59; Half duration: 1$\mathfrak{s}$4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.93±.05; $M_{\theta\theta}$−0.49±.06; $M_{\phi\phi}$−1.44±.08; $M_{r\theta}$0.49±.08; $M_{r\phi}$−0.54±.10; $M_{\theta\phi}$1.32±.07. Principal Axes: T 2.06,Plg80°,Azm36°; N 0.44, Plg3°,Azm144°; P −2.49,Plg9°,Azm235°. Best double couple: $M_0$2.3×10^{17}Nm, NP1:ϕ_S328°, δ36°,λ95°. NP2:ϕ_S142°,δ54°,λ86°.

		(428) Atlantic-Indian Ridge						
ISC	**IV**	**14 01 07 36.9**±.37	**38.25S**±.068	**48.47E**±.095	**10**	**4.7b,4.5s**	**54**	**18-163**
MOS	IV	14 01 07 36.5	38.4S	48.4E	10	5.0b		**¶97iv2356**
NEIC	IV	14 01 07 36.9	38.02S	48.56E	10	4.9b,4.5s		
BJI	IV	14 01 07 39.6	38.11S	48.74E	29	4.9b,5.5s		
EIDC	IV	14 01 07 39.8	37.8S	48.7E	20	4.4b,4.4s		

NEIC Less reliable solution.

		(428) Atlantic-Indian Ridge						
ISC	**IV**	**14 05 53 34.2**±.28	**38.13S**±.051	**48.58E**±.077	**10**	**4.9b,4.9s**	**113**	**18-173**
EIDC	IV	14 05 53 32.6	38.0S	48.6E	0	4.6b,4.7s		**¶97iv2398**
NEIC	IV	14 05 53 33.3	37.97S	48.57E	10	5.1b,5.1s		
MOS	IV	14 05 53 35.1	38.2S	48.8E	10	5.7b		
BJI	IV	14 05 53 35.5	38.11S	48.79E	18	5.1b,5.2s		
HRVD	IV	14 05 53 39.1±.4	37.98S±.05	48.48E±.07	15			

NEIC Mw5.3(HRV), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c30; Half duration: 1$\mathfrak{s}$1. Moment tensor: Scale 10^{16}Nm; M_{rr}−8.13±.62; $M_{\theta\theta}$7.47±.57; $M_{\phi\phi}$0.66±.65; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$6.45±.79. Principal Axes: T 11.4,Plg0°,Azm149°; N −3.2, Plg0°,Azm59°; P −8.1,Plg90°,Azm180°. Best double couple: $M_0$9.7×10^{16}Nm, NP1:ϕ_S239°, δ45°,λ−90°. NP2:ϕ_S59°,δ45°,λ−90°.

		(428) Atlantic-Indian Ridge						
ISC	**IV**	**14 09 29 27.1**±.23	**38.08S**±.048	**48.53E**±.062	**10**	**5.1b,5.0s**	**147**	**18-173**
BJI	IV	14 09 29 25.1	38.16S	48.60E	8	5.2b,5.3s		**¶97iv2432**
EIDC	IV	14 09 29 26.3	38.1S	48.5E	0	4.8b,4.7s		
NEIC	IV	14 09 29 26.6	38.07S	48.48E	10	5.1b,5.1s		
MOS	IV	14 09 29 27.1	38.1S	48.7E	10	5.6b		
HRVD	IV	14 09 29 32.1±.4	38.06S±.05	48.60E±.09	15			

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c33; Half duration: 1$\mathfrak{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.63±.67; $M_{\theta\theta}$8.68±.58; $M_{\phi\phi}$−1.05±1.03; $M_{r\theta}$3.07±1.90; $M_{r\phi}$3.08±1.88; $M_{\theta\phi}$3.93±.58. Principal Axes: T 10.9,Plg12°,Azm339°; N −1.9, Plg15°,Azm246°; P −9.0,Plg71°,Azm106°. Best double couple: $M_0$9.9×10^{16}Nm, NP1:ϕ_S88°, δ35°,λ−64°. NP2:ϕ_S236°,δ59°,λ−108°.

		(428) Atlantic-Indian Ridge						
ISC	**IV**	**14 20 07 15.4**±.36	**38.24S**±.075	**48.52E**±.086	**10**	**4.6b,4.3s**	**55**	**18-163**
BJI	IV	14 20 07 14.2	38.14S	48.67E	6	5.1b,5.5s		**¶97iv2507**
EIDC	IV	14 20 07 14.9	38.0S	48.6E	0	4.4b,4.2s		
NEIC	IV	14 20 07 15.3	38.04S	48.61E	10	4.8b,4.4s		

		(94) Caribbean Sea						
ISC	**IV**	**15 07 51 02.4**±.21	**16.29N**±.036	**86.94W**±.031	**36**±2.3*	**4.9b,4.8s**	**247**	**5-150**
HRVD	IV	15 07 51 01.4±.3	16.54N±.04	87.03W±.03	27±3.7			**¶97iv2579**
NEIC	IV	15 07 51 02.8	16.45N	86.84W	33	5.0b,4.9s		
EIDC	IV	15 07 51 03.5	16.3N	87.0W	33	4.5b,4.5s		
MOS	IV	15 07 51 07.6	16.8N	86.2W	33	5.5b,4.8s		
BJI	IV	15 07 51 07.8	16.50N	86.80W	28	5.7s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c60; Half duration: 1$\mathfrak{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11±.05; $M_{\theta\theta}$−1.63±.08; $M_{\phi\phi}$1.52±.07; $M_{r\theta}$0.39±.18; $M_{r\phi}$−0.37±.16; $M_{\theta\phi}$1.39±.05. Principal Axes: T 2.07,Plg6°,Azm110°; N 0.19, Plg77°,Azm353°; P −2.26,Plg12°,Azm201°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_S245°,δ77°,λ−4°. NP2:ϕ_S336°,δ86°,λ−167°.

NEIC Mw5.5(HRV).

		(321) Southern Xinjiang Province						
ISC	**IV**	**15 18 19 10**±1.0	**39.62N**±.026	**76.98E**±.021	**22**±7.6	**5.4b,5.8s**	**546**	**1-155**
NEIC	IV	15 18 19 10.1	39.63N	76.99E	23	5.4b,5.8s		**¶97iv2631**
BJI	IV	15 18 19 10.2	39.59N	77.01E	23	5.8b,6.2s		
MOS	IV	15 18 19 12.2	39.7N	77.1E	33	5.9b,6.0s		
EIDC	IV	15 18 19 15.5	39.6N	77.0E	60	5.0b,5.4s		
HRVD	IV	15 18 19 15.6±.2	39.69N±.02	76.99E±.03	23			

NEIC Mw5.8(GS), Me5.7(GS)

NEIC Radiated energy from the P−wave first−motion solution: 9.2±2.3×10^{12}Nm/12

NEIC Mw 5.8 (HRV). One person injured and some buildings destroyed in Jiashi County.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S170°,δ65°,λ−145°. NP2:ϕ_S64°,δ59°,λ−30°. Principal axes: T Plg4°,Azm295°; P Plg42°,Azm29°. Depth from synthetics of broadband

displacement seismograms.
NEIC Moment tensor solution: s35, scale 10^{17}Nm; M_{rr}−3.83; $M_{\theta\theta}$0.24; $M_{\phi\phi}$3.60; $M_{r\theta}$−1.36; $M_{r\phi}$2.43; $M_{\theta\phi}$2.65. Depth 7km; Principal axes: T 5.32,Plg10°,Azm295°; N 0.06,Plg28°, Azm200°; P −5.38,Plg60°,Azm43°. Best double couple: $M_0$5.4×10^{17}Nm; NP1:ϕ_S55°,δ43°, λ−46°. NP2:ϕ_S182°,δ61°,λ−123°.
MOS Felt I=III MSK at Naryn, Sufi−Kurgan; I=II at Alma−Ata, Bishkek.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c97; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.53±.12; $M_{\theta\theta}$−0.90±.17; $M_{\phi\phi}$4.43±.13; $M_{r\theta}$−1.22±.26; $M_{r\phi}$−0.49±.28; $M_{\theta\phi}$5.70±.13. Principal Axes: T 8.16,Plg5°,Azm123°; N −3.19, Plg60°,Azm222°; P −4.97,Plg29°,Azm30°. Best double couple: $M_0$6.6×10^{17}Nm, NP1: ϕ_S170°,δ66°,λ−162°. NP2:ϕ_S73°,δ74°,λ−25°.

(101) Venezuela

ISC	**IV**	**15 20 27 57.3**±.15	**10.72N**±.029	**69.51W**±.021	**3**	**5.2b,4.5s**	**348**	**1-155**
TRN	IV	15 20 27 53.7	11.2N	69.8W	3			**¶97iv2644**
BJI	IV	15 20 27 58.0	10.70N	69.47W	15	5.7s		
NEIC	IV	15 20 27 58.2	10.70N	69.49W	10	5.2b,4.5s		
MOS	IV	15 20 27 58.8	10.6N	69.4W	10	5.2b,4.7s		
EIDC	IV	15 20 28 03.1	10.7N	69.6W	31	4.9b,4.4s		
HRVD	IV	15 20 28 03.8±1.1	10.69N±.14	69.63W±.21	15			

NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s14,c15; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.54; $M_{\theta\theta}$−5.43±.87; $M_{\phi\phi}$5.24±1.10; $M_{r\theta}$1.48±4.50; $M_{r\phi}$−5.47±3.67; $M_{\theta\phi}$−4.91±.54. Principal Axes: T 10.3,Plg29°,Azm70°; N −2.9,Plg60°,Azm235°; P −7.4,Plg6°,Azm336°. Best double couple: $M_0$8.9×10^{16}Nm, NP1: ϕ_S109°,δ65°,λ163°. NP2:ϕ_S206°,δ75°,λ26°.

(270) Ceram Sea

ISC	**IV**	**17 00 30 55**±2.1	**2.59S**±.027	**127.39E**±.033	**8**±13	**5.1b,4.9s**	**228**	**4-162**
BJI	IV	17 00 30 58.3	2.74S	127.23E	32	5.1b,4.7s		**¶97iv2825**
MOS	IV	17 00 30 58.5	2.6S	127.3E	33	5.8b,4.6s		
NEIC	IV	17 00 30 59.0	2.74S	127.31E	33	5.4b,5.0s		
EIDC	IV	17 00 30 59.9	2.7S	127.3E	31	4.7b,4.6s		
HRVD	IV	17 00 31 03.1±.3	2.23S±.05	127.37E±.04	50±4.2			

NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c34; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.43±.04; $M_{\theta\theta}$0.84±.07; $M_{\phi\phi}$−1.27±.09; $M_{r\theta}$0.41±.14; $M_{r\phi}$0.02±.10; $M_{\theta\phi}$1.15±.06. Principal Axes: T 1.48,Plg20°,Azm337°; N 0.30, Plg70°,Azm146°; P −1.78,Plg4°,Azm246°. Best double couple: $M_0$1.6×10^{17}Nm, NP1:ϕ_S20°, δ73°,λ168°. NP2:ϕ_S113°,δ79°,λ17°.

(190) New Ireland region

ISC	**IV**	**18 09 10 20.4**±.33	**1.57S**±.050	**150.40E**±.081	**33**	**4.4b,3.9s**	**49**	**1-155**
EIDC	IV	18 09 10 16.1	1.6S	150.6E	0	4.4b,3.6s		**¶97iv3051**
BJI	IV	18 09 10 19.6	1.09S	150.15E	8	4.6b,5.5s		
NEIC	IV	18 09 10 20.2	1.57S	150.44E	33	4.8b		
MOS	IV	18 09 10 20.3	1.6S	150.4E	33	5.1b		

(353) Southern Iran

ISC	**IV**	**19 05 53 17.8**±.74	**28.02N**±.032	**56.86E**±.020	**59**±6.9	**5.3b,5.3s**	**503**	**4-135**
BJI	IV	19 05 53 13.3	28.05N	56.75E	29	5.3b,5.5s		**¶97iv3163**
NEIC	IV	19 05 53 14.1	28.04N	56.89E	27	5.5b,5.4s		
MOS	IV	19 05 53 15.3	28.0N	56.9E	33	5.8b,5.3s		
HRVD	IV	19 05 53 17.2±.5	27.64N±.04	57.01E±.05	19			
EIDC	IV	19 05 53 18.8	28.0N	56.9E	53	4.8b,4.8s		
RYD	IV	19 05 53 20.6	29.6N	56.5E	30	5.1D		

NEIC Mw5.6(HRV), Mw5.5(GS).
NEIC Moment tensor solution: s20, scale 10^{17}Nm; M_{rr}0.50; $M_{\theta\theta}$−1.69; $M_{\phi\phi}$1.19; $M_{r\theta}$1.05; $M_{r\phi}$−0.94; $M_{\theta\phi}$−0.33. Depth 16km; Principal axes: T 2.06,Plg38°,Azm72°; N 0.05,Plg44°, Azm294°; P −2.11,Plg22°,Azm181°. Best double couple: $M_0$2.1×10^{17}Nm; NP1:ϕ_S223°,δ45°, λ13°. NP2:ϕ_S123°,δ80°,λ135°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c59; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.06; $M_{\theta\theta}$−2.63±.08; $M_{\phi\phi}$1.39±.08; $M_{r\theta}$0.75±.24; $M_{r\phi}$−0.45±.19; $M_{\theta\phi}$−1.12±.09. Principal Axes: T 2.15,Plg37°,Azm70°; N 0.86, Plg52°,Azm268°; P −3.01,Plg8°,Azm167°. Best double couple: $M_0$2.6×10^{17}Nm, NP1: ϕ_S215°,δ58°,λ22°. NP2:ϕ_S113°,δ71°,λ146°.

(691) South Pacific Cordillera

ISC	**IV**	**19 14 13 56.7**±.46	**56.2S**±.11	**143.6W**±.13	**10**	**4.7b,5.2s**	**94**	**28-168**
MOS	IV	19 14 13 57.9	58.3S	143.8W	10	5.2b		**¶97iv3206**
NEIC	IV	19 14 13 59.1	58.50S	143.74W	10	5.0b,5.2s		
EIDC	IV	19 14 13 59.9	55.9S	143.7W	22	4.3b,4.8s		
BJI	IV	19 14 14 01.1	58.50S	143.70W	10	5.8s		
HRVD	IV	19 14 14 02.5±.2	56.16S±.04	143.34W±.06	15			

NEIC Mw5.5(HRV), Less reliable solution.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c56; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.49±.05; $M_{\theta\theta}$1.54±.05; $M_{\phi\phi}$−2.03±.06; $M_{r\theta}$−0.25±.20; $M_{r\phi}$−0.29±.24; $M_{\theta\phi}$1.45±.08. Principal Axes: T 2.13,Plg11°,Azm160°; N 0.43, Plg78°,Azm358°; P −2.56,Plg4°,Azm251°. Best double couple: $M_0$2.3×10^{17}Nm, NP1: ϕ_S296°,δ80°,λ5°. NP2:ϕ_S205°,δ85°,λ169°.

(654) East of Severnaya Zemlya

ISC	**IV**	**19 15 26 33.6**±.11	**78.43N**±.021	**125.82E**±.077	**10**	**5.6b,5.3s**	**542**	**17-168**
BJI	IV	19 15 26 31.7	78.51N	126.49E	9	5.5b,5.8s		**¶97iv3213**
MOS	IV	19 15 26 33.3	78.4N	126.0E	10	6.1b,5.4s		
NEIC	IV	19 15 26 33.4	78.45N	125.82E	10	5.7b,5.0s		
EIDC	IV	19 15 26 38.1	78.4N	125.6E	33	5.0b,4.8s		

NEIC Me6.2(GS), Mw5.5(GS).
NEIC Radiated energy from the P−wave first−motion solution: 4.0±1.2×10^{13}Nm/13
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ60°,λ180°. NP2:ϕ_S195°,δ90°,λ−30°. Principal axes: T Plg21°,Azm244°; P Plg21°,Azm146°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s32, scale 10^{17}Nm; M_{rr}−0.09; $M_{\theta\theta}$−0.11; $M_{\phi\phi}$0.19; $M_{r\theta}$0.10; $M_{r\phi}$2.15; $M_{\theta\phi}$−0.07. Depth 14km; Principal axes: T 2.21,Plg43°,Azm271°; N −0.10,Plg2°, Azm3°; P −2.11,Plg47°,Azm95°. Best double couple: $M_0$2.2×10^{17}Nm; NP1:ϕ_S311°,δ3°, λ−142°. NP2:ϕ_S183°,δ88°,λ−88°.

(184) Santa Cruz Islands

ISC	**IV**	**21 12 06 34.8**±.55	**12.9S**±.11	**166.5E**±.14	**33**	**5.6b**	**51**	**33-152**
EIDC	IV	21 12 06 30.9	12.9S	166.6E	0	5.6b		**¶97iv3461**
NEIC	IV	21 12 06 34.3	12.88S	166.46E	33	6.1b		
MOS	IV	21 12 06 35.1	12.8S	166.3E	33	6.5b		

NEIC Less reliable solution.

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 11 29**±3.5	**13.51S**±.044	**166.55E**±.052	**40**±31	**6.1b,**7.3s	**445**	**21-169**
BJI	IV	21 12 11 26.8	13.47S	167.05E	31	6.4b		**¶97iv3463**
EIDC	IV	21 12 11 27.1	13.5S	166.6E	16	5.7b		
NEIC	IV	21 12 11 27.8	13.50S	166.54E	33	6.2b		
MOS	IV	21 12 11 28.1	13.5S	166.6E	33	6.6b		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 14 39.9**±.60	**13.54S**±.095	**166.6E**±.27	**33**	**5.1b**	**46**	**31-153**
EIDC	IV	21 12 14 36.4	13.5S	166.8E	0	5.1b		**¶97iv3464**
MOS	IV	21 12 14 40.2	13.4S	166.6E	33	5.7b		
NEIC	IV	21 12 14 40.2	13.45S	166.63E	33	5.3b		

NEIC Poor solution.

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 15 57.1**±.79	**13.4S**±.11	**166.3E**±.20	**33**	**5.4b**	**49**	**32-152**
EIDC	IV	21 12 15 53.7	13.3S	166.7E	0	5.2b		**¶97iv3465**
MOS	IV	21 12 15 56.8	13.4S	166.3E	33	6.0b		
NEIC	IV	21 12 15 56.8	13.41S	166.34E	33	6.0b		

NEIC Poor solution.

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 20 50**±1.3	**13.7S**±.25	**166.7E**±.19	**33**	**5.0b**	**34**	**33-153**
EIDC	IV	21 12 20 46.1	13.8S	166.9E	0	4.8b		**¶97iv3466**
NEIC	IV	21 12 20 50.2	13.60S	166.83E	33	5.7b		
MOS	IV	21 12 20 52.4	13.0S	167.4E	33	5.3b		

NEIC Poor solution.

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 23 46**±2.5	**13.6S**±.29	**166.4E**±.40	**33**	**4.7b**	**26**	**31-153**
EIDC	IV	21 12 23 42.2	13.9S	166.6E	0	4.5b		**¶97iv3467**
NEIC	IV	21 12 23 46.2	13.67S	166.46E	33	5.5b		

NEIC Less reliable solution.

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 28 32**±1.5	**13.57S**±.047	**166.33E**±.064	**58**±14	**5.6b,**7.1s	**254**	**4-169**
BJI	IV	21 12 28 28.2	13.50S	166.40E	33	5.7b		**¶97iv3469**
NEIC	IV	21 12 28 28.2	13.54S	166.43E	33	5.5b		
MOS	IV	21 12 28 28.9	13.5S	166.4E	33	5.8b		
EIDC	IV	21 12 28 32.2	13.7S	166.3E	48	5.1b,5.3L		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 39 10**±3.1	**13.60S**±.055	**166.37E**±.072	**27**±22	**5.3b**	**168**	**4-169**
NEIC	IV	21 12 39 10.1	13.58S	166.37E	33	5.3b		**¶97iv3472**
BJI	IV	21 12 39 10.8	12.90S	166.39E	16	5.4b		
EIDC	IV	21 12 39 11.3	13.6S	166.4E	27	4.9b,4.7L		
MOS	IV	21 12 39 12.0	13.4S	166.1E	33	5.6b		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 48 40**±1.6	**13.12S**±.058	**166.11E**±.066	**43**±15	**5.0b**	**92**	**5-169**
BJI	IV	21 12 48 37.6	12.69S	166.38E	21	5.2b		**¶97iv3475**
NEIC	IV	21 12 48 37.9	13.14S	166.26E	33	5.3b		
MOS	IV	21 12 48 38.7	13.1S	166.1E	33	5.6b		
EIDC	IV	21 12 48 42.9	13.2S	166.1E	59	4.7b,4.7L		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 12 51 30**±2.3	**13.16S**±.070	**166.4E**±.13	**35**±20	**4.8b**	**79**	**7-169**
MOS	IV	21 12 51 28.8	13.3S	166.5E	33	5.5b		**¶97iv3476**
NEIC	IV	21 12 51 29.4	13.22S	166.44E	33	5.1b		
BJI	IV	21 12 51 30.5	12.34S	166.20E	5	5.2b		
EIDC	IV	21 12 51 34.7	13.3S	166.2E	50	4.4b,4.6L		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 13 10 58.7**±.36	**13.31S**±.046	**166.43E**±.069	**36**±3.2*	**5.2b**	**123**	**5-169**
NEIC	IV	21 13 10 57.8	13.23S	166.45E	33	5.4b		**¶97iv3482**
MOS	IV	21 13 10 58.4	13.2S	166.4E	33	5.5b		
BJI	IV	21 13 10 59.2	12.30S	166.88E	17	5.4b		
EIDC	IV	21 13 10 59.7	13.3S	166.5E	36	4.8b		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 13 27 53**±1.7	**13.40S**±.048	**166.64E**±.072	**34**±15	**5.2b**	**207**	**5-169**
EIDC	IV	21 13 27 47.7	13.6S	166.9E	0	5.1b,5.2L		**¶97iv3485**
NEIC	IV	21 13 27 52.1	13.39S	166.68E	33	5.1b		
BJI	IV	21 13 27 52.2	13.14S	165.97E	8	5.7b		
MOS	IV	21 13 27 52.9	13.4S	166.6E	33	5.9b		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 15 17 33**±3.3	**13.49S**±.052	**166.49E**±.079	**24**±23	**4.9b**	**127**	**4-153**
BJI	IV	21 15 17 33.3	12.60S	166.70E	4	5.1b		**¶97iv3515**
NEIC	IV	21 15 17 33.8	13.48S	166.53E	33	5.1b		
MOS	IV	21 15 17 35.0	13.5S	166.4E	33	5.5b		
EIDC	IV	21 15 17 39.3	13.5S	166.4E	66	4.4b		

(5) Near Islands

ISC	**IV**	**21 15 26 12**±2.4	**52.58N**±.058	**172.44E**±.050	**7**±15	**5.0b,**5.2s	**155**	**1-153**
EIDC	IV	21 15 26 13.0	52.7N	172.4E	0	4.8b		**¶97iv3519**
MOS	IV	21 15 26 15.5	52.5N	172.4E	33	5.5b		
NEIC	IV	21 15 26 16.0	52.60N	172.49E	33	4.9b		
BJI	IV	21 15 26 16.3	52.75N	172.31E	35	5.0b,5.4s		

NEIC Felt.
NEIC Felt on Shemya.

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 20 03 06**±3.2	**13.34S**±.054	**166.43E**±.077	**20**±23	**5.0b,5.0s**	**92**	**5-152**
EIDC	IV	21 20 03 03.2	13.4S	166.6E	0	4.7b,4.6s		**¶97iv3568**
NEIC	IV	21 20 03 07.0	13.34S	166.46E	33	5.1b,5.1s		
MOS	IV	21 20 03 07.6	13.3S	166.4E	33	5.5b		
BJI	IV	21 20 03 08.3	12.86S	166.45E	24	5.2b,5.0s		

(186) Vanuatu (New Hebrides)

ISC	**IV**	**21 21 23 53**±2.8	**13.20S**±.040	**166.53E**±.048	**24**±20	**5.1b,5.4s**	**260**	**5-169**
EIDC	IV	21 21 23 53.5	13.2S	166.5E	18	4.9b,5.0s		**¶97iv3585**
NEIC	IV	21 21 23 53.8	13.16S	166.52E	33	5.2b,5.5s		
BJI	IV	21 21 23 54.7	12.92S	166.47E	26	5.3b,5.4s		
MOS	IV	21 21 23 55.8	13.1S	166.2E	33	5.8b,5.3s		

(95) Windward Islands

ISC	**IV**	**22 09 31 28.9**±.45	**11.16N**±.023	**61.09W**±.020	**47**±4.0	**5.8b,6.5s**	**769**	**0-173**
TRN	IV	22 09 31 21.6	11.0N	60.6W	3	6.1D		**¶97iv3685**
NEIC	IV	22 09 31 23.2	11.11N	60.89W	5	6.0b,6.5s		
BJI	IV	22 09 31 23.4	11.12N	61.14W	13	7.0s		
EIDC	IV	22 09 31 23.6	11.1N	61.0W	0	5.5b,6.9s		
MOS	IV	22 09 31 24.2	11.2N	61.1W	10	6.4b,6.4s		
HRVD	IV	22 09 31 32.7±.1	11.28N±.01	61.05W±.01	15			

TRN Widely felt throughout Tobago I=VII MM and I=VI in some parts of northern Trinidad
NEIC Mw6.7(GS), Me6.7(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.2±0.6×10^{14}Nm/15
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S145°,δ75°,λ−20°. NP2:ϕ_S240°,δ71°, λ−164°. Principal axes: T Plg3°,Azm193°; P Plg25°,Azm102°. Two events about 3 seconds apart. Depth from broadband displacement seismograms based on first event.
NEIC Moment tensor solution: s61, scale 10^{19}Nm; M_{rr}−0.18; $M_{\theta\theta}$0.50; $M_{\phi\phi}$−0.33; $M_{r\theta}$−1.18; $M_{r\phi}$0.67; $M_{\theta\phi}$0.10. Depth 4km; Principal axes: T 1.46,Plg39°,Azm194°; N −0.05,Plg16°, Azm298°; P −1.41,Plg47°,Azm46°. Best double couple: $M_0$1.4×10^{19}Nm; NP1:ϕ_S223°,δ17°, λ−166°. NP2:ϕ_S119°,δ86°,λ−73°.
NEIC Mw 6.7 (HRV). Ms 6.5 (BRK) Two people injured, three houses destroyed and extensive damage in the western part of Tobago. Damage estimated at more than 25 million U.S. dollars. One of the largest known earthquakes to occur on or near Trinidad and Tobago. Seismicity in this possible triple junction zone results from the highly oblique, right-lateral collision between the Caribbean and South American plates and subduction of either the North or South American plate beneath the Caribbean plate. Note the Windward Islands magnitude 6.2 (Mw) event of April 2, located about 50 km to the north. Mo=1.1×10^{19}Nm (PPT).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c133; Mantle waves: s49,c109; Half duration: 5s2. Moment tensor: Scale 10^{18}Nm; M_{rr}−6.26±.05; $M_{\theta\theta}$9.30±.04; $M_{\phi\phi}$−3.04±.05; $M_{r\theta}$−3.00±.21; $M_{r\phi}$6.74±.19; $M_{\theta\phi}$−2.40±.04. Principal Axes: T 11.0,Plg16°,Azm197°; N 0.7,Plg33°,Azm298°; P −11.6,Plg52°,Azm86°. Best double couple: $M_0$1.1×10^{19}Nm, NP1:ϕ_S250°,δ41°,λ−146°. NP2:ϕ_S133°,δ69°,λ−54°.

(95) Windward Islands

ISC	**IV**	**22 10 11 51.6**±.47	**11.12N**±.029	**60.99W**±.030	**50**±4.2	**5.3b,5.7s**	**320**	**0-167**
NEIC	IV	22 10 11 44.7	11.03N	60.96W	5	5.6b		**¶97iv3695**
TRN	IV	22 10 11 45.4	11.0N	60.5W	3	4.3D		

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	IV	22 10 11 45.8	11.1N	60.9W	0	5.0b,5.7s		
BJI	IV	22 10 11 46.6	11.05N	61.09W	18			
MOS	IV	22 10 11 48.0	11.4N	61.0W	10	5.8b		
NEIC	Felt on Trinidad and Tobago.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**22 16 51 51**±2.6	**13.24S**±.035	**166.49E**±.043	**17**±19	**5.3b,5.6s**	**367**	**5-169**
EIDC	IV	22 16 51 49.3	13.3S	166.7E	0	4.9b,5.4s		**¶97iv3787**
BJI	IV	22 16 51 51.8	13.30S	166.59E	26	5.4b,5.6s		
NEIC	IV	22 16 51 53.5	13.22S	166.45E	33	5.5b,5.8s		
MOS	IV	22 16 51 54.1	13.2S	166.4E	33	5.8b,5.4s		
HRVD	IV	22 16 51 58.1±.2	13.15S±.02	166.10E±.02	29±1.5			
NEIC	Ms5.9(BRK), Mw5.8(GS).							
NEIC	Mw 5.8 (HRV). Mo=1.0×10^{18}Nm (PPT).							
NEIC	Moment tensor solution: s25, scale 10^{17}Nm; M_{rr}1.04; $M_{\theta\theta}$−1.55; $M_{\phi\phi}$0.50; $M_{r\theta}$−0.54; $M_{r\phi}$−4.57; $M_{\theta\phi}$−2.91. Depth 22km; Principal axes: T 5.74,Plg42°,Azm72°; N −0.26,Plg33°, Azm197°; P −5.48,Plg30°,Azm310°. Best double couple: $M_0$5.6×10^{17}Nm; NP1:ϕ_S94°,δ34°, λ169°. NP2:ϕ_S193°,δ84°,λ56°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c98; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}2.65±.06; $M_{\theta\theta}$1.28±.11; $M_{\phi\phi}$−3.93±.11; $M_{r\theta}$0.17±.15; $M_{r\phi}$−5.14±.29; $M_{\theta\phi}$0.10±.07. Principal Axes: T 5.47,Plg61°,Azm87°; N 1.28, Plg1°,Azm178°; P −6.75,Plg29°,Azm269°. Best double couple: $M_0$6.1×10^{17}Nm, NP1:ϕ_S0°, δ16°,λ92°. NP2:ϕ_S178°,δ74°,λ89°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**22 22 50 58.1**±.41	**14.17S**±.056	**166.74E**±.089	**34**±2.0*	**4.7b,4.4s**	**165**	**4-154**
EIDC	IV	22 22 50 53.8	14.1S	166.8E	0	4.6b,4.1s		**¶97iv3842**
NEIC	IV	22 22 50 57.4	14.13S	166.77E	33	4.8b,4.9s		
MOS	IV	22 22 50 59.1	14.1S	166.5E	33	5.6b		
BJI	IV	22 22 51 00.4	13.20S	166.35E	13	5.2b		
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**23 00 05 46**±4.9	**14.11S**±.051	**166.74E**±.062	**7**±29	**5.1b,5.3s**	**244**	**4-169**
EIDC	IV	23 00 05 48.5	14.2S	166.8E	15	4.7b,5.1L		**¶97iv3854**
NEIC	IV	23 00 05 49.7	14.13S	166.78E	33	5.1b,5.3s		
MOS	IV	23 00 05 51.1	14.0S	166.6E	33	5.5b,5.3s		
BJI	IV	23 00 05 54.6	13.61S	166.18E	33	5.2b,5.4s		
HRVD	IV	23 00 05 55.1±.1	14.18S±.02	166.47E±.02	28±1.3			
NEIC	Mw5.7(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s48,c82; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}3.94±.06; $M_{\theta\theta}$0.52±.11; $M_{\phi\phi}$−4.46±.10; $M_{r\theta}$1.65±.20; $M_{r\phi}$0.35±.23; $M_{\theta\phi}$1.07±.07. Principal Axes: T 4.66,Plg67°,Azm348°; N 0.02, Plg23°,Azm168°; P −4.68,Plg0°,Azm78°. Best double couple: $M_0$4.7×10^{17}Nm, NP1:ϕ_S147°, δ49°,λ59°. NP2:ϕ_S10°,δ50°,λ121°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**23 03 47 17**±2.2	**13.62S**±.038	**166.40E**±.038	**22**±16	**5.6b,5.9s**	**435**	**4-169**
EIDC	IV	23 03 47 14.5	13.6S	166.6E	0	5.2b,5.7s		**¶97iv3888**
NEIC	IV	23 03 47 18.3	13.60S	166.39E	33	5.5b,6.0s		
BJI	IV	23 03 47 18.8	13.62S	166.59E	36	5.9b,5.7s		
MOS	IV	23 03 47 19.2	13.5S	166.3E	33	6.1b,5.7s		
HRVD	IV	23 03 47 22.9±.1	13.61S±.01	166.20E±.01	21			
NEIC	Mw6.0(HRV), Mw5.9(GS).							
NEIC	Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−6.09; $M_{\theta\theta}$−1.58; $M_{\phi\phi}$7.67; $M_{r\theta}$2.10; $M_{r\phi}$−5.09; $M_{\theta\phi}$0.77. Depth 20km; Principal axes: T 9.35,Plg18°,Azm90°; N −0.86,Plg17°, Azm355°; P −8.49,Plg65°,Azm224°. Best double couple: $M_0$8.9×10^{17}Nm; NP1:ϕ_S206°,δ31°, λ−55°. NP2:ϕ_S346°,δ65°,λ−109°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c105; Mantle waves: s35,c47; Half duration: 2s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.32±.07; $M_{\theta\theta}$−0.54±.08; $M_{\phi\phi}$6.85±.08; $M_{r\theta}$1.08±.18; $M_{r\phi}$−6.69±.20; $M_{\theta\phi}$1.20±.07. Principal Axes: T 9.70,Plg22°,Azm94°; N −0.34,Plg10°,Azm0°; P −9.36,Plg65°,Azm247°. Best double couple: $M_0$9.5×10^{17}Nm, NP1:ϕ_S203°,δ24°,λ−65°. NP2:ϕ_S356°,δ68°,λ−101°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**23 07 57 13**±1.4	**13.60S**±.048	**166.52E**±.058	**35**±13	**5.2b,5.1s**	**241**	**4-169**
EIDC	IV	23 07 57 07.5	13.7S	166.9E	0	5.2b,4.6s		**¶97iv3918**
NEIC	IV	23 07 57 12.4	13.62S	166.60E	33	5.2b,5.2s		
BJI	IV	23 07 57 12.6	13.37S	166.92E	33	5.4b,5.1s		
MOS	IV	23 07 57 13.4	13.5S	166.5E	33	5.7b,5.2s		
HRVD	IV	23 07 57 17.6±.3	13.41S±.05	166.21E±.04	27±3.0			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c42; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.04; $M_{\theta\theta}$0.41±.08; $M_{\phi\phi}$−1.21±.06; $M_{r\theta}$1.05±.14; $M_{r\phi}$−0.63±.14; $M_{\theta\phi}$0.27±.04. Principal Axes: T 1.71,Plg52°,Azm11°; N −0.13, Plg30°,Azm147°; P −1.58,Plg22°,Azm250°. Best double couple: $M_0$1.6×10^{17}Nm, NP1: ϕ_S21°,δ35°,λ149°. NP2:ϕ_S137°,δ73°,λ59°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**23 08 39 55.5**±.33	**13.68S**±.049	**166.55E**±.068	**33**	**4.8b,5.0s**	**205**	**4-169**
EIDC	IV	23 08 39 54.8	13.6S	166.6E	20	4.6b,4.4s		**¶97iv3921**
BJI	IV	23 08 39 55.5	13.60S	166.50E	33	5.0b,5.0s		
NEIC	IV	23 08 39 55.5	13.66S	166.51E	33	5.2b,5.0s		
MOS	IV	23 08 39 56.3	13.6S	166.4E	33	5.6b,4.9s		
HRVD	IV	23 08 39 58.4±.5	13.68S±.09	166.22E±.07	17±4.7			
NEIC	Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c30; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.79±.63; $M_{\theta\theta}$4.13±1.13; $M_{\phi\phi}$−9.92±.82; $M_{r\theta}$2.41±1.81; $M_{r\phi}$−4.92±2.45; $M_{\theta\phi}$2.34±.52. Principal Axes: T 8.0,Plg62°,Azm23°; N 3.9, Plg22°,Azm162°; P −11.9,Plg17°,Azm259°. Best double couple: $M_0$9.9×10^{16}Nm, NP1: ϕ_S19°,δ34°,λ132°. NP2:ϕ_S151°,δ65°,λ65°.							
	(221) Kuril Islands							
ISC	**IV**	**25 02 50 58.7**±.21	**46.12N**±.036	**152.96E**±.042	**29**	**4.8b,5.2s**	**326**	**4-148**
EIDC	IV	25 02 50 55.1	46.3N	152.9E	0	4.5b,4.7s		**¶97iv4261**
JMA	IV	25 02 50 55.8±.6	45.40N±.08	153.61E±.06	0	5.5		
SKHL	IV	25 02 50 56.0	46.0N±.15	153.2E±.20	29±3			
BJI	IV	25 02 50 57.6	46.35N	152.76E	21	5.0b,5.2s		
NEIC	IV	25 02 50 58.4	46.00N	153.07E	33	5.0b,5.1s		
MOS	IV	25 02 50 59.9	46.4N	152.9E	33	5.3b,5.6s		
HRVD	IV	25 02 51 01.2±.3	46.19N±.03	152.84E±.06	16±2.1			
SKHL	K11							
NEIC	Mw5.6(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c52; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.75±.06; $M_{\theta\theta}$−0.76±.06; $M_{\phi\phi}$−0.99±.08; $M_{r\theta}$1.20±.25; $M_{r\phi}$1.13±.25; $M_{\theta\phi}$−1.02±.07. Principal Axes: T 2.39,Plg69°,Azm320°; N 0.14, Plg3°,Azm224°; P −2.53,Plg21°,Azm133°. Best double couple: $M_0$2.5×10^{17}Nm, NP1: ϕ_S218°,δ24°,λ84°. NP2:ϕ_S45°,δ66°,λ93°.							
	(221) Kuril Islands							
ISC	**IV**	**25 05 37 40.1**±.14	**46.12N**±.025	**153.00E**±.030	**31**	**5.4b,5.6s**	**634**	**4-154**
EIDC	IV	25 05 37 36.1	46.2N	152.9E	0	4.9b,4.9s		**¶97iv4292**
JMA	IV	25 05 37 36.8±.7	45.61N±.11	153.51E±.09	0	5.8		
SKHL	IV	25 05 37 38.0	46.0N±.15	153.1E±.15	31			
BJI	IV	25 05 37 38.4	46.35N	152.67E	13	5.5b,5.7s		
MOS	IV	25 05 37 38.7	46.4N	153.1E	15	6.1b,6.1s		
NEIC	IV	25 05 37 40.1	46.15N	153.11E	33	5.5b,5.5s		
HRVD	IV	25 05 37 42.7±.2	46.27N±.02	153.02E±.03	15			
SKHL	K12.5							
NEIC	Mw5.9(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c77; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}4.93±.08; $M_{\theta\theta}$−1.51±.09; $M_{\phi\phi}$−3.41±.10; $M_{r\theta}$2.86±.26; $M_{r\phi}$4.39±.30; $M_{\theta\phi}$−2.16±.09. Principal Axes: T 7.20,Plg66°,Azm303°; N −0.10, Plg0°,Azm33°; P −7.10,Plg24°,Azm123°. Best double couple: $M_0$7.2×10^{17}Nm, NP1:ϕ_S213°, δ21°,λ90°. NP2:ϕ_S33°,δ69°,λ90°.							
	(221) Kuril Islands							
ISC	**IV**	**25 05 41 48**±1.1	**46.18N**±.067	**152.88E**±.065	**36**±9.7	**4.7b,5.6s**	**121**	**4-149**
BJI	IV	25 05 41 46.4	46.14N	152.29E	5	5.0b,5.6s		**¶97iv4293**
MOS	IV	25 05 41 46.8	46.2N	152.8E	33	5.1b		
SKHL	IV	25 05 41 47.0	46.0N±.10	153.1E±.15	30±1			
NEIC	IV	25 05 41 47.1	46.21N	152.82E	33	5.0b		
EIDC	IV	25 05 41 50.5	46.3N	152.7E	46	4.2b,4.3L		
SKHL	K10.5							
	(221) Kuril Islands							
ISC	**IV**	**25 05 51 02**±1.4	**46.15N**±.053	**153.03E**±.055	**15**±11	**4.8b,5.4s**	**172**	**4-149**
EIDC	IV	25 05 51 02.0	46.3N	152.8E	8	4.3b,4.1L		**¶97iv4294**
NEIC	IV	25 05 51 04.0	46.16N	152.97E	33	5.0b		
SKHL	IV	25 05 51 04.0	46.2N±.15	153.1E±.20	30±2			
BJI	IV	25 05 51 04.1	46.61N	152.84E	27	5.0b,5.6s		
MOS	IV	25 05 51 04.3	46.4N	153.0E	24	5.3b		
SKHL	K10							
	(410) South Atlantic Ridge							
ISC	**IV**	**25 09 11 35.8**±.23	**48.33S**±.049	**10.15W**±.072	**13**	**5.2b,5.7s**	**230**	**22-164**
BJI	IV	25 09 11 33.4	48.32S	9.87W	13	6.0s		**¶97iv4314**
EIDC	IV	25 09 11 33.6	48.2S	9.9W	0	5.0b,5.5s		
NEIC	IV	25 09 11 34.6	48.34S	10.04W	10	5.3b,5.8s		
MOS	IV	25 09 11 34.9	48.3S	9.9W	10	5.6b,5.5s		
HRVD	IV	25 09 11 41.6±.1	48.19S±.03	9.41W±.03	15			
NEIC	Mw5.8(HRV), Mw5.6(GS).							
NEIC	Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}−1.56; $M_{\theta\theta}$−0.59; $M_{\phi\phi}$2.14; $M_{r\theta}$−2.13; $M_{r\phi}$1.08; $M_{\theta\phi}$−1.29. Depth 1km; Principal axes: T 3.39,Plg22°,Azm240°; N −0.13,Plg30°, Azm137°; P −3.26,Plg52°,Azm1°. Best double couple: $M_0$3.3×10^{17}Nm; NP1:ϕ_S11°,δ35°, λ−30°. NP2:ϕ_S127°,δ73°,λ−121°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c76; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}−4.95±.09; $M_{\theta\theta}$−0.14±.11; $M_{\phi\phi}$5.08±.09; $M_{r\theta}$−1.39±.27; $M_{r\phi}$1.59±.41; $M_{\theta\phi}$−0.39±.10. Principal Axes: T 5.39,Plg9°,Azm264°; N 0.12, Plg13°,Azm171°; P −5.52,Plg74°,Azm30°. Best double couple: $M_0$5.4×10^{17}Nm, NP1:ϕ_S9°, δ37°,λ−69°. NP2:ϕ_S163°,δ56°,λ−105°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**25 18 08 43.5**±.42	**13.47S**±.050	**166.56E**±.083	**25**	**4.9b,5.1s**	**185**	**4-169**
EIDC	IV	25 18 08 39.9	13.6S	166.7E	0	4.7b,4.7s		**¶97iv4391**
NEIC	IV	25 18 08 43.7	13.42S	166.59E	33	4.9b,5.2s		
MOS	IV	25 18 08 44.6	13.4S	166.4E	33	5.5b,5.2s		
BJI	IV	25 18 08 44.7	13.40S	166.50E	33	5.1b,5.1s		
HRVD	IV	25 18 08 50.5±.4	13.43S±.04	166.14E±.04	25±2.8			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c40; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.05; $M_{\theta\theta}$0.21±.06; $M_{\phi\phi}$−1.08±.05; $M_{r\theta}$0.04±.11; $M_{r\phi}$−0.76±.18; $M_{\theta\phi}$−0.77±.05. Principal Axes: T 1.23,Plg59°,Azm50°; N 0.40, Plg26°,Azm195°; P −1.63,Plg15°,Azm292°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S54°,δ37°,λ136°. NP2:ϕ_S182°,δ65°,λ61°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**25 23 03 07**±2.0	**13.45S**±.061	**166.57E**±.081	**45**±18	**4.9b,5.2s**	**193**	**4-169**
EIDC	IV	25 23 03 01.1	13.6S	166.7E	0	4.7b,4.8s		**¶97iv4429**
BJI	IV	25 23 03 04.9	13.40S	166.60E	33	5.2b,5.2s		
NEIC	IV	25 23 03 04.9	13.42S	166.66E	33	5.1b,5.3s		
MOS	IV	25 23 03 06.8	13.4S	166.3E	33	5.5b		
HRVD	IV	25 23 03 09.9±.3	13.40S±.03	166.18E±.03	34±2.3			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c55; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.04; $M_{\theta\theta}$0.25±.06; $M_{\phi\phi}$−1.45±.05; $M_{r\theta}$0.50±.09; $M_{r\phi}$−0.33±.12; $M_{\theta\phi}$−0.41±.05. Principal Axes: T 1.48,Plg64°,Azm21°; N 0.07, Plg26°,Azm189°; P −1.55,Plg5°,Azm281°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S37°, δ46°,λ127°. NP2:ϕ_S169°,δ55°,λ58°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**27 00 31 34.3**±.86	**19.12S**±.028	**168.68E**±.031	**51**±7.8	**5.7b,5.6s**	**615**	**1-170**
MOS	IV	27 00 31 32.2	19.1S	168.8E	33	6.2b,5.6s		**¶97iv4633**
BJI	IV	27 00 31 32.4	18.72S	169.04E	33	6.3b,5.6s		
NEIC	IV	27 00 31 32.5	19.17S	168.73E	42	5.8b,5.6s		
EIDC	IV	27 00 31 38.8	19.0S	168.7E	82	5.1b,5.0s		
HRVD	IV	27 00 31 39.6±.1	19.13S±.01	168.31E±.01	47			
NEIC	Mw6.1(GS), Me5.8(GS)							
NEIC	Mw 6.0 (HRV). Felt at Port-Vila.							
NEIC	Radiated energy from the P−wave first−motion solution: 1.2±0.3×10^{13}Nm/13							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S160°,δ45°,λ105°. NP2:ϕ_S319°,δ47°,λ75°. Principal axes: T Plg79°,Azm155°; P Plg1°,Azm59°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s34, scale 10^{18}Nm; M_{rr}1.45; $M_{\theta\theta}$−0.37; $M_{\phi\phi}$−1.08; $M_{r\theta}$−0.13; $M_{r\phi}$−0.13; $M_{\theta\phi}$0.47. Depth 39km; Principal axes: T 1.47,Plg84°,Azm143°; N −0.15,Plg6°, Azm334°; P −1.31,Plg1°,Azm244°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S327°,δ44°, λ81°. NP2:ϕ_S160°,δ47°,λ99°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c86; Mantle waves: s32,c44; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}1.20±.01; $M_{\theta\theta}$0.08±.01; $M_{\phi\phi}$−1.28±.01; $M_{r\theta}$0.02±.02; $M_{r\phi}$−0.09±.02; $M_{\theta\phi}$0.30±.01. Principal Axes: T 1.21,Plg88°,Azm73°; N 0.14,Plg0°,Azm168°; P −1.34,Plg2°,Azm258°. Best double couple: $M_0$1.3×10^{18}Nm, NP1:ϕ_S348°,δ43°,λ90°. NP2:ϕ_S168°,δ47°,λ90°.							
	(186) Vanuatu (New Hebrides)							
ISC	**IV**	**28 01 22 33**±5.1	**13.27S**±.052	**166.47E**±.069	**5**±30	**5.1b,5.3s**	**220**	**5-169**
EIDC	IV	28 01 22 33.5	13.4S	166.5E	0	4.8b,4.9s		**¶97iv4820**
NEIC	IV	28 01 22 36.8	13.28S	166.47E	33	5.2b,5.4s		
HRVD	IV	28 01 22 37.8±.5	13.41S±.06	166.29E±.06	15			
BJI	IV	28 01 22 37.9	12.71S	166.57E	21	5.4b,5.3s		
MOS	IV	28 01 22 38.2	13.2S	166.2E	33	5.7b,5.0s		
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c32; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.62±.05; $M_{\theta\theta}$0.46±.08; $M_{\phi\phi}$−1.08±.07; $M_{r\theta}$1.07±.12; $M_{r\phi}$−1.36±.16; $M_{\theta\phi}$−0.01±.04. Principal Axes: T 1.98,Plg50°,Azm32°; N −0.03, Plg21°,Azm150°; P −1.95,Plg32°,Azm254°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S33°,δ24°,λ155°. NP2:ϕ_S146°,δ80°,λ68°.							
	(428) Atlantic-Indian Ridge							
ISC	**IV**	**28 10 56 51.6**±.24	**29.61S**±.053	**60.74E**±.053	**9**	**5.0b,5.1s**	**166**	**16-176**
BJI	IV	28 10 56 50.9	29.63S	60.86E	9	5.1b,5.5s		**¶97iv4902**
EIDC	IV	28 10 56 51.2	29.8S	60.8E	0	4.7b,4.3s		
NEIC	IV	28 10 56 51.6	29.64S	60.82E	10	5.2b,5.4s		
MOS	IV	28 10 56 51.7	29.7S	60.7E	10	5.4b		
	(431) Prince Edward Islands region							
ISC	**IV**	**28 12 07 38.3**±.18	**42.41S**±.042	**42.68E**±.062	**10**	**5.5b,6.2s**	**391**	**19-169**
EIDC	IV	28 12 07 36.0	42.4S	41.9E	0	5.0b,6.1s		**¶97iv4915**
MOS	IV	28 12 07 36.8	42.7S	42.2E	10	6.0b,6.2s		

NEIC IV 28 12 07 37.8 42.50S 42.69E 10 5.7b,6.3s
BJI IV 28 12 07 38.2 42.11S 42.28E 19 5.4b,6.3s
HRVD IV 28 12 07 49.6±.1 42.03S±.01 42.75E±.01 15
NEIC Mw6.8(HRV), Mw6.6(GS).
NEIC Mo=3.5×10^{19}Nm (PPT).
NEIC Moment tensor solution: s17, scale 10^{18}Nm; M_{rr}0.14; $M_{\theta\theta}$2.97; $M_{\phi\phi}$−3.10; $M_{r\theta}$−1.03; $M_{r\phi}$−0.56; $M_{\theta\phi}$6.76. Depth 15km; Principal axes: T 7.53,Plg9°,Azm147°; N −0.05,Plg81°, Azm323°; P −7.48,Plg1°,Azm57°. Best double couple: $M_0$7.5×10^{18}Nm; NP1:ϕ_S192°,δ83°, λ174°. NP2:ϕ_S282°,δ84°,λ7°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c116; Mantle waves: s48,c123; Half duration: 5$\hat{s}$2. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.04±.01; $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$−0.45±.01; $M_{r\theta}$−0.03±.03; $M_{r\phi}$−0.04±.02; $M_{\theta\phi}$1.39±.01. Principal Axes: T 1.49,Plg2°,Azm144°; N −0.04,Plg88°,Azm339°; P −1.45,Plg0°,Azm234°. Best double couple: $M_0$1.5×10^{19}Nm, NP1:ϕ_S279°,δ88°,λ1°. NP2:ϕ_S189°,δ89°,λ178°.

(192) New Britain region

ISC IV 29 03 50 53±2.3 **7.02S**±.034 **153.93E**±.041 **32**±16 **5.3b,5.0s 265 3-159**
EIDC IV 29 03 50 51.6 7.0S 154.0E 18 5.2b,4.5s **¶97iv5016**
MOS IV 29 03 50 52.6 7.0S 154.0E 33 5.8b,4.9s
NEIC IV 29 03 50 52.8 6.99S 153.88E 33 5.3b,5.1s
BJI IV 29 03 50 53.1 6.85S 154.21E 37 5.4b,5.1s
HRVD IV 29 03 50 53.9±.3 7.08S±.05 153.95E±.04 15
NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c53; Half duration: 1$\hat{s}$4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.58±.04; $M_{\theta\theta}$0.83±.06; $M_{\phi\phi}$0.75±.06; $M_{r\theta}$−0.94±.20; $M_{r\phi}$−0.01±.19; $M_{\theta\phi}$−0.89±.04. Principal Axes: T 1.82,Plg12°,Azm219°; N 0.12,Plg18°,Azm125°; P −1.94,Plg68°,Azm341°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S332°,δ37°,λ−58°. NP2:ϕ_S114°,δ59°,λ−111°.

(186) Vanuatu (New Hebrides)

ISC V 01 03 10 46±6.2 **13.66S**±.068 **166.22E**±.071 **9**±37 **5.0b,4.6s 149 4-153**
NEIC V 01 03 10 48.8 13.64S 166.26E 33 5.0b,4.8s **¶97v0019**
BJI V 01 03 10 49.0 13.55S 166.68E 38 5.0b,4.9s
MOS V 01 03 10 49.6 13.7S 166.2E 33 5.5b,4.7s
EIDC V 01 03 10 55.1 13.7S 166.2E 68 4.5b,4.4s

(54) Off coast of Jalisco, Mexico

ISC V 01 11 37 34.2±.22 **18.99N**±.034 **107.27W**±.030 **15** **6.1b,6.8s 606 4-156**
EIDC V 01 11 37 31.1 18.8N 107.3W 0 5.2b,6.8s **¶97v0091**
MEX V 01 11 37 34.4 18.9N 107.3W 15 6.8D
ECX V 01 11 37 35.3 18.92N 107.32W 33 7.1D
NEIC V 01 11 37 36.1 18.99N 107.35W 33 6.1b,6.8s
BJI V 01 11 37 37.1 19.04N 107.29W 45 7.0s
MOS V 01 11 37 37.6 19.2N 107.4W 33 6.5b,6.7s
HRVD V 01 11 37 40.6±.1 18.96N±.01 107.15W±.01 15
NEIC Me7.3(GS), Mw6.9(GS)
NEIC Mw 6.9 (HRV). Felt along the coast of Jalisco.
NEIC Radiated energy from the P−wave first−motion solution: 1.8±0.3×10^{15}Nm/16
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S19°,δ89°,λ−10°. NP2:ϕ_S109°,δ80°,λ−179°. Principal axes: T Plg6°,Azm65°; P Plg8°,Azm334°. Two events about 2 seconds apart. Depth from synthetics of broadband displacement seismograms, based on the larger second event.
NEIC Moment tensor solution: s28, scale 10^{19}Nm; M_{rr}0.07; $M_{\theta\theta}$−1.57; $M_{\phi\phi}$1.49; $M_{r\theta}$0.28; $M_{r\phi}$−0.60; $M_{\theta\phi}$−2.11. Depth 12km; Principal axes: T 2.73,Plg14°,Azm63°; N −0.09,Plg76°, Azm241°; P −2.64,Plg0°,Azm333°. Best double couple: $M_0$2.7×10^{19}Nm; NP1:ϕ_S107°,δ80°, λ170°. NP2:ϕ_S199°,δ80°,λ10°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c100; Mantle waves: s44,c109; Half duration: 7$\hat{s}$0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.17±.01; $M_{\theta\theta}$−1.58±.01; $M_{\phi\phi}$1.75±.01; $M_{r\theta}$−0.16±.05; $M_{r\phi}$0.76±.05; $M_{\theta\phi}$−2.09±.01. Principal Axes: T 2.94,Plg14°,Azm245°; N −0.33,Plg75°,Azm45°; P −2.60,Plg5°,Azm154°. Best double couple: $M_0$2.8×10^{19}Nm, NP1:ϕ_S288°,δ77°,λ174°. NP2:ϕ_S20°,δ84°,λ13°.

(177) Kermadec Islands region

ISC V 03 10 42 08±2.3 **27.14S**±.091 **176.51W**±.062 **43**±21 **5.0b,5.0s 187 2-166**
BJI V 03 10 42 04.5 26.36S 176.35W 8 5.4b,5.4s **¶97v0419**
NEIC V 03 10 42 05.8 27.21S 176.51W 33 5.2b,5.1s
MOS V 03 10 42 06.3 27.1S 176.5W 33 5.8b,5.0s
EIDC V 03 10 42 09.2 27.1S 176.5W 43 4.4b,4.6s
HRVD V 03 10 42 10.8±.5 27.10S±.05 176.17W±.06 15
NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c41; Half duration: 1$\hat{s}$1. Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.04; $M_{\theta\theta}$−0.02±.07; $M_{\phi\phi}$−1.14±.06; $M_{r\theta}$−0.02±.17; $M_{r\phi}$1.26±.22; $M_{\theta\phi}$−0.29±.05. Principal Axes: T 1.73,Plg65°,Azm259°; N 0.01, Plg7°,Azm6°; P −1.73,Plg23°,Azm99°. Best double couple: $M_0$1.7×10^{17}Nm, NP1:ϕ_S204°, δ23°,λ110°. NP2:ϕ_S3°,δ69°,λ82°.

(177) Kermadec Islands region

ISC V 03 16 45 56±1.1 **31.64S**±.045 **179.34W**±.036 **48**±10 **6.6b,6.4s 827 3-175**
WEL V 03 16 46 01.8 32.55S 177.98W 135 7.1L **¶97v0465**
BJI V 03 16 46 01.9 31.54S 179.32W 107 6.7b
NEIC V 03 16 46 02.0 31.79S 179.38W 108 6.6b
MOS V 03 16 46 02.7 31.6S 179.3W 108 6.9b
EIDC V 03 16 46 05.4 31.7S 179.3W 124 5.8b,6.0s
HRVD V 03 16 46 09.8±.1 31.70S±.01 179.06W±.01 119±.3
WEL Felt I=IV MM East Cape, Wellington and Chatham Island
NEIC Mw6.9(GS), Me6.7(GS).
NEIC Mw 6.9 (HRV).
NEIC Radiated energy from the P−wave first−motion solution: 2.2±0.3×10^{14}Nm/14
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S40°,δ65°,λ−75°. NP2:ϕ_S188°,δ29°,λ−119°. Principal axes: T Plg19°,Azm119°; P Plg67°,Azm337°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s36, scale 10^{19}Nm; M_{rr}−1.31; $M_{\theta\theta}$0.03; $M_{\phi\phi}$1.28; $M_{r\theta}$−1.39; $M_{r\phi}$−0.80; $M_{\theta\phi}$0.81. Depth 105km; Principal axes: T 2.23,Plg22°,Azm124°; N −0.03,Plg20°, Azm223°; P −2.20,Plg59°,Azm351°. Best double couple: $M_0$2.2×10^{19}Nm; NP1:ϕ_S181°,δ29°, λ−135°. NP2:ϕ_S50°,δ70°,λ−68°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c154; Mantle waves: s54,c146; Half duration: 7$\hat{s}$0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.91±.01; $M_{\theta\theta}$−1.35±.01; $M_{\phi\phi}$2.26±.01; $M_{r\theta}$−1.57±.01; $M_{r\phi}$−1.12±.01; $M_{\theta\phi}$0.50±.01. Principal Axes: T 2.86,Plg22°,Azm105°; N −0.11,Plg40°,Azm214°; P −2.74,Plg42°,Azm354°. Best double couple: $M_0$2.8×10^{19}Nm, NP1:ϕ_S149°,δ42°,λ−161°. NP2:ϕ_S45°,δ77°,λ−49°.

(95) Windward Islands

ISC V 04 01 44 55.2±.44 **11.08N**±.025 **61.26W**±.027 **42**±3.9 **5.2b,4.9s 399 0-163**
NEIC V 04 01 44 50.7 11.03N 60.98W 5 5.4b,4.9s **¶97v0536**
MOS V 04 01 44 51.9 11.1N 61.1W 10 5.5b,4.9s
BJI V 04 01 44 52.0 11.00N 61.00W 5 5.4s
TRN V 04 01 44 52.1 11.1N 60.9W 5 5.1D
EIDC V 04 01 44 53.2 11.1N 61.1W 15 5.0b,4.9L
HRVD V 04 01 44 55.9±.4 11.20N±.04 61.12W±.05 15
NEIC Mw5.5(HRV)
TRN Felt strongly throughout Tobago I=VI MM. Slight damage to poorly constructed buildings. Also felt in most parts of Trinidad I=IV
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c37; Half duration: 1$\hat{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.64±.09; $M_{\theta\theta}$1.87±.08; $M_{\phi\phi}$−0.23±.14; $M_{r\theta}$−0.26±.35; $M_{r\phi}$1.09±.34; $M_{\theta\phi}$−0.44±.07. Principal Axes: T 2.02,Plg8°,Azm195°; N 0.21, Plg27°,Azm289°; P −2.23,Plg61°,Azm90°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S257°,δ44°,λ−131°. NP2:ϕ_S127°,δ59°,λ−58°.

(174) Tonga region

ISC V 04 03 58 21.3±.23 **22.08S**±.068 **175.80W**±.061 **33** **4.9b,4.2s 204 9-162**
EIDC V 04 03 58 17.3 22.0S 175.7W 0 4.8b,3.9s **¶97v0559**
BJI V 04 03 58 21.1 22.10S 175.80W 33 5.1b
NEIC V 04 03 58 21.1 22.11S 175.76W 33 5.2b,4.6s
MOS V 04 03 58 21.7 22.0S 175.8W 33 5.5b
HRVD V 04 03 58 27.7±1.2 22.14S±.15 175.17W±.09 68±8.2
NEIC Mw5.1(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.63±.63; $M_{\theta\theta}$−1.19±1.27; $M_{\phi\phi}$−4.44±.82; $M_{r\theta}$1.95±.81; $M_{r\phi}$0.98±.99; $M_{\theta\phi}$0.49±.65. Principal Axes: T 6.26,Plg74°,Azm339°; N −1.69, Plg15°,Azm176°; P −4.57,Plg4°,Azm84°. Best double couple: $M_0$5.4×10^{16}Nm, NP1:ϕ_S158°, δ43°,λ67°. NP2:ϕ_S8°,δ51°,λ110°.

(249) Luzon

ISC V 05 05 44 18.8±.72 **14.92N**±.028 **119.93E**±.044 **45**±6.7 **4.9b,5.1s 220 1-172**
EIDC V 05 05 44 13.9 15.0N 120.0E 0 4.9b,4.8s **¶97v0746**
BJI V 05 05 44 16.9 14.83N 120.04E 39 4.8b,5.2s
NEIC V 05 05 44 17.3 14.91N 119.89E 33 5.3b,5.0s
MOS V 05 05 44 17.7 15.0N 120.0E 33 5.5b,5.2s
HRVD V 05 05 44 21.8±.2 15.08N±.04 119.74E±.03 42
NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c52; Half duration: 1$\hat{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.04; $M_{\theta\theta}$0.01±.06; $M_{\phi\phi}$−1.21±.05; $M_{r\theta}$−0.89±.12; $M_{r\phi}$−0.78±.07; $M_{\theta\phi}$0.02±.06. Principal Axes: T 1.84,Plg61°,Azm152°; N −0.36,Plg21°,Azm19°; P −1.48,Plg19°,Azm281°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S341°,δ32°,λ47°. NP2:ϕ_S208°,δ67°,λ113°.

(338) Caspian Sea

ISC V 07 16 16 46.0±.54 **40.35N**±.029 **51.65E**±.023 **44**±5.4 **5.2b,4.7s 374 1-137**
MOS V 07 16 16 44.9 40.5N 51.7E 31 5.6b,4.6s **¶97v1122**
BJI V 07 16 16 45.9 40.32N 51.48E 59 5.4b,5.0s
NEIC V 07 16 16 46.4 40.34N 51.63E 51 5.4b
EIDC V 07 16 16 47.1 40.3N 51.6E 41 4.8b,3.9s
HRVD V 07 16 16 51.6±.4 40.46N±.04 51.79E±.06 63±3.6
NEIC Mw5.2(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c34; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.32±.28; $M_{\theta\theta}$5.41±.44; $M_{\phi\phi}$0.92±.45; $M_{r\theta}$−0.83±.56; $M_{r\phi}$2.05±.76; $M_{\theta\phi}$−5.32±.51. Principal Axes: T 9.15,Plg7°,Azm214°; N −2.25, Plg16°,Azm306°; P −6.90,Plg73°,Azm102°. Best double couple: $M_0$8.0×10^{16}Nm, NP1: ϕ_S287°,δ41°,λ−115°. NP2:ϕ_S138°,δ54°,λ−70°.

(315) India-Bangladesh border region

ISC V 08 02 53 14.5±.13 **24.89N**±.028 **92.28E**±.022 **34**±.7* **5.5b,5.6s 586 5-164**
EIDC V 08 02 53 11.0 24.8N 92.2E 0 5.3b,5.2s **¶97v1171**
MOS V 08 02 53 13.4 24.8N 92.3E 25 6.1b,5.6s
BJI V 08 02 53 13.9 25.08N 92.33E 23 6.0L,5.7b
NEIC V 08 02 53 14.7 24.89N 92.25E 35 5.6b,5.6s
HRVD V 08 02 53 19.3±.2 24.51N±.02 92.36E±.03 35
BJI Ms5.9
NEIC Mw6.0(GS), Me6.0(GS)
NEIC Radiated energy from the Harvard centroid solution: 2.6±0.8×10^{13}Nm/10
NEIC Mw 5.9 (HRV). Several people injured and some damage to older buildings at Sylhet, Bangladesh. Felt in much of Bangladesh. Also felt in parts of Assam, Meghalaya and Tripura, India.
NEIC Moment tensor solution: s16, scale 10^{18}Nm; M_{rr}0.12; $M_{\theta\theta}$−0.70; $M_{\phi\phi}$0.58; $M_{r\theta}$0.07; $M_{r\phi}$−0.21; $M_{\theta\phi}$1.05. Depth 28km; Principal axes: T 1.19,Plg8°,Azm119°; N 0.12,Plg79°, Azm337°; P −1.31,Plg7°,Azm210°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S254°,δ80°, λ1°. NP2:ϕ_S164°,δ89°,λ170°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c75; Half duration: 2$\hat{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.12; $M_{\theta\theta}$−3.71±.18; $M_{\phi\phi}$2.90±.20; $M_{r\theta}$−0.45±.31; $M_{r\phi}$3.09±.34; $M_{\theta\phi}$7.24±.13. Principal Axes: T 8.32,Plg18°,Azm300°; N 0.50, Plg68°,Azm158°; P −8.82,Plg12°,Azm35°. Best double couple: $M_0$8.6×10^{17}Nm, NP1:ϕ_S78°, δ68°,λ4°. NP2:ϕ_S347°,δ86°,λ158°.

(9) Fox Islands

ISC V 08 13 29 24.7±.16 **51.67N**±.035 **170.87W**±.032 **33** **5.7b,5.8s 542 4-160**
EIDC V 08 13 29 20.6 51.9N 170.8W 0 5.2b,5.0s **¶97v1249**
BJI V 08 13 29 22.6 51.81N 170.86W 29 6.0b,6.0s
NEIC V 08 13 29 24.6 51.72N 170.80W 33 5.8b,5.9s
MOS V 08 13 29 24.8 51.8N 170.8W 33 6.2b,5.9s
HRVD V 08 13 29 26.9±.1 51.79N±.01 170.56W±.02 17
NEIC Mw6.0(GS), Me5.6(GS).
NEIC Mw 6.0 (HRV).
NEIC Radiated energy from the P−wave first−motion solution: 6.6±1.5×10^{12}Nm/18
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S59°,δ77°,λ90°. NP2:ϕ_S239°,δ13°,λ90°. Principal axes: T Plg58°,Azm329°; P Plg32°,Azm149°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s53, scale 10^{17}Nm; M_{rr}3.20; $M_{\theta\theta}$5.30; $M_{\phi\phi}$−8.40; $M_{r\theta}$8.10; $M_{r\phi}$4.50; $M_{\theta\phi}$−2.40. Depth 20km; Principal axes: T 12.4,Plg42°,Azm355°; N −0.7,Plg37°,Azm222°; P −11.7,Plg26°,Azm111°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S152°,δ39°,λ16°. NP2: ϕ_S50°,δ80°,λ127°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c94; Mantle waves: s34,c52; Half duration: 2$\hat{s}$6. Moment tensor: Scale 10^{17}Nm; M_{rr}6.46±.07; $M_{\theta\theta}$−5.20±.08; $M_{\phi\phi}$−1.25±.07; $M_{r\theta}$8.36±.26; $M_{r\phi}$4.09±.24; $M_{\theta\phi}$−3.49±.08. Principal Axes: T 11.2,Plg63°,Azm337°; N 0.8,Plg2°,Azm242°; P −11.9,Plg27°,Azm151°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S235°,δ18°,λ83°. NP2:ϕ_S63°,δ72°,λ92°.

(437) South of Australia

ISC V 09 06 31 04.9±.25 **44.78S**±.039 **117.89E**±.068 **10** **5.4b,5.0s 291 10-173**
BJI V 09 06 31 03.6 45.07S 118.57E 20 5.6b,5.1s **¶97v1373**
EIDC V 09 06 31 04.3 44.9S 117.9E 0 5.3b,4.5s
NEIC V 09 06 31 04.4 44.75S 117.77E 10 5.2b,5.1s
MOS V 09 06 31 04.9 44.8S 117.9E 10 5.8b,4.8s
HRVD V 09 06 31 11.9±.2 44.53S±.03 118.13E±.04 15
AUST V 09 06 31 16.5 44.29S 118.01E 5 4.3L
NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c55; Half duration: 1$\hat{s}$4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.51±.04; $M_{\theta\theta}$0.62±.05; $M_{\phi\phi}$0.89±.04; $M_{r\theta}$−0.14±.17; $M_{r\phi}$1.27±.18; $M_{\theta\phi}$−1.00±.05. Principal Axes: T 2.09,Plg17°,Azm234°; N 0.00, Plg19°,Azm330°; P −2.09,Plg64°,Azm105°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S298°,δ32°,λ−127°. NP2:ϕ_S160°,δ65°,λ−69°.

(216) Marianas

ISC V 09 09 06 39.8±.57 **13.14N**±.021 **144.75E**±.030 **49**±5.2 **5.6b,5.7s 369 0-175**
BJI V 09 09 06 37.0 13.20N 144.86E 29 5.3b,5.8s **¶97v1398**
NEIC V 09 09 06 37.2 13.20N 144.70E 29 5.9b,5.8s
EIDC V 09 09 06 37.4 13.2N 144.8E 20 5.1b,5.3s
MOS V 09 09 06 37.8 13.1N 144.7E 33 5.9b,5.7s
HRVD V 09 09 06 41.4±.1 13.05N±.02 144.93E±.01 31
NEIC Me6.1(GS), Mw6.0(GS)
NEIC Radiated energy from the P−wave first−motion solution: 3.2±1.0×10^{13}Nm/8
NEIC Mw 6.0 (HRV). Felt I=VII MM at Inarajan and Merizo; V MM at Potts Junction, Guam. Felt throughout Guam.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ60°,λ135°. NP2:ϕ_S337°,δ52°,λ39°. Principal axes: T Plg52°,Azm184°; P Plg5°,Azm280°. Depth from synthetics of broadband displacement seismograms.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °

NEIC Moment tensor solution: s32, scale 10^{17}Nm; M_{rr}5.40; $M_{\theta\theta}$4.20; $M_{\phi\phi}$−9.60; $M_{r\theta}$−5.50; $M_{r\phi}$−3.30; $M_{\theta\phi}$−2.60. Depth 32km; Principal axes: T 10.3,Plg49°,Azm177°; N 0.9,Plg37°, Azm27°; P −11.2,Plg16°,Azm285°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S336°,δ44°, λ30°. NP2:ϕ_S223°,δ70°,λ130°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c88; Mantle waves: s40,c60; Half duration: 2s5. Moment tensor: Scale 10^{18}Nm; M_{rr}0.60±.01; $M_{\theta\theta}$0.45±.01; $M_{\phi\phi}$−1.04±.01; $M_{r\theta}$−0.63±.02; $M_{r\phi}$−0.32±.02; $M_{\theta\phi}$0.51±.01. Principal Axes: T 1.29,Plg45°,Azm160°; N −0.09,Plg45°,Azm349°; P −1.21,Plg4°,Azm255°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S308°,δ56°,λ32°. NP2:ϕ_S198°,δ64°,λ142°.

(348) Iran

ISC	**V**	**10 07 57 30**±1.6	**33.88N**±.026	**59.82E**±.018	**7**±10	**6.2b,7.0s**	**725**	**4-143**
CSEM	V	10 07 57 27.6	33.78N	59.90E	15			**¶97v1549**
EIDC	V	10 07 57 29.1	33.7N	59.7E	0	5.4b,6.9s		
NEIC	V	10 07 57 29.7	33.83N	59.81E	10	6.4b,7.3s		
BJI	V	10 07 57 29.8	33.86N	59.83E	14	6.1b,7.5s		
MOS	V	10 07 57 30.2	34.0N	59.8E	10	7.0b,7.0s		
RYD	V	10 07 57 31.7	34.3N	59.46E	45			
HRVD	V	10 07 57 49.8±.1	33.58N±.01	60.02E±.01	15			

CSEM Mw6.8. M_0=1.9×10^{19}Nm. Fault plane solution NP1:ϕ_S260°,δ76°,λ12°. NP2:ϕ_S167°,δ78°, λ166°. Principal Axes: T Plg18°,Azm123°; N Plg72°,Azm309°; P Plg2°,Azm214°.

NEIC Me7.7(GS), Mw7.3(GS)

NEIC Radiated energy from the P−wave first−motion solution: 8.9±1.4×10^{15}Nm/19

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S80°,δ90°,λ3°. NP2:ϕ_S350°,δ87°,λ180°. Principal axes: T Plg2°,Azm305°; P Plg2°,Azm215°.

NEIC Moment tensor solution: s24, scale 10^{19}Nm; M_{rr}−0.48; $M_{\theta\theta}$−7.40; $M_{\phi\phi}$7.87; $M_{r\theta}$0.22; $M_{r\phi}$−0.63; $M_{\theta\phi}$5.60. Depth 36km; Principal axes: T 9.74,Plg3°,Azm108°; N −0.48,Plg86°, Azm330°; P −9.25,Plg3°,Azm198°. Best double couple: $M_0$9.5×10^{19}Nm; NP1:ϕ_S243°,δ86°, λ0°. NP2:ϕ_S153°,δ90°,λ176°.

NEIC Mw 7.2 (HRV). Ms 7.2 (BRK). At least 1,567 people killed, 2,300 injured, 50,000 homeless, 10,533 houses destroyed, 5,474 houses damaged and landslides in the Birjand-Qayen area. Five people killed and some damage in the Herat area, Afghanistan. Felt in Kerman, Khorasan, Semnan, Sistan va Baluchestan and Yazd Provinces, Iran. This earthquake appears to have occurred on a southern splay of the Ferdows fault. The left-lateral, strike-slip Ferdows fault was the site of the 1968 Dasht-e-Bayaz earthquake (magnitude 7.3) which resulted in 12,000−20,000 casualties. The Ferdows fault is north of the Zagros Mountains (the latter being the northern boundary of the Arabian plate). Understanding the tectonics of the Ferdows region is complicated by indistinct boundaries of the several microplates at that collision zone.

MOS Felt I=III MSK at Ashkhabad.

MOS M_0=8.4×10^{18}Nm. Fault plane solution. NP1:ϕ_S162°,δ35°,λ30°. NP2:ϕ_S47°,δ73°,λ121°. Principal axes: T Plg10°,Azm296°; N Plg78°,Azm90°; P Plg5°,Azm205°

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c106; Mantle waves: s50,c127; Half duration: 1s0. Moment tensor: Scale 10^{19}Nm; M_{rr}0.33±.03; $M_{\theta\theta}$−5.27±.03; $M_{\phi\phi}$4.94±.03; $M_{r\theta}$0.46±.14; $M_{r\phi}$−0.80±.13; $M_{\theta\phi}$5.20±.02. Principal Axes: T 7.17,Plg5°,Azm113°; N 0.36,Plg83°,Azm341°; P −7.52,Plg5°,Azm203°. Best double couple: $M_0$7.3×10^{19}Nm, NP1:ϕ_S248°,δ83°,λ0°. NP2:ϕ_S338°,δ90°,λ−173°.

(274) Southern Sumatera

ISC	**V**	**10 18 53 54**±1.0	**3.19S**±.037	**101.53E**±.036	**48**±9.1	**5.4b,5.1s**	**349**	**5-176**
EIDC	V	10 18 53 48.2	3.2S	101.4E	0	5.4b,4.5s		**¶97v1646**
BJI	V	10 18 53 52.0	3.24S	101.39E	34	5.3b,5.2s		
NEIC	V	10 18 53 52.6	3.15S	101.55E	33	5.5b,5.1s		
KLM	V	10 18 53 53	3.1S	101.5E	33	5.1L		
MOS	V	10 18 53 54.1	3.1S	101.6E	47	6.0b,4.9s		
HRVD	V	10 18 53 59.6±.3	3.60S±.04	101.15E±.04	35			

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c46; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.07; $M_{\theta\theta}$−1.05±.10; $M_{\phi\phi}$−0.44±.10; $M_{r\theta}$1.58±.18; $M_{r\phi}$−1.27±.15; $M_{\theta\phi}$1.14±.09. Principal Axes: T 2.44,Plg65°,Azm41°; N 0.43, Plg1°,Azm308°; P −2.87,Plg25°,Azm218°. Best double couple: $M_0$2.7×10^{17}Nm, NP1: ϕ_S305°,δ20°,λ87°. NP2:ϕ_S129°,δ70°,λ91°.

(686) West Chile Rise

ISC	**V**	**11 22 16 15.5**±.37	**36.12S**±.071	**97.68W**±.070	**10**	**5.4b,5.8s**	**271**	**22-172**
EIDC	V	11 22 16 13.2	36.1S	97.9W	0	4.7b,5.6s		**¶97v1854**
NEIC	V	11 22 16 13.9	36.38S	97.70W	10	5.6b,5.8s		
BJI	V	11 22 16 17.4	35.79S	97.56W	19	6.2s		
MOS	V	11 22 16 17.8	35.7S	97.6W	10	5.8b,5.8s		
HRVD	V	11 22 16 24.3±.1	36.46S±.01	98.23W±.01	15			

NEIC Mw6.5(HRV), Mw6.4(GS).

NEIC Moment tensor solution: s34, scale 10^{18}Nm; M_{rr}−0.01; $M_{\theta\theta}$0.10; $M_{\phi\phi}$−0.09; $M_{r\theta}$−0.14; $M_{r\phi}$−0.09; $M_{\theta\phi}$−4.73. Depth 19km; Principal axes: T 4.73,Plg0°,Azm224°; N 0.00,Plg88°, Azm123°; P −4.73,Plg2°,Azm314°. Best double couple: $M_0$4.7×10^{18}Nm; NP1:ϕ_S359°,δ88°, λ−1°. NP2:ϕ_S89°,δ89°,λ−178°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c130; Mantle waves: s54,c109; Half duration: 4s1. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.40±.03; $M_{\theta\theta}$−0.68±.03; $M_{\phi\phi}$1.07±.03; $M_{r\theta}$0.78±.10; $M_{r\phi}$−1.63±.12; $M_{\theta\phi}$−5.73±.02. Principal Axes: T 6.44,Plg14°,Azm50°; N −0.80,Plg75°,Azm208°; P −5.65,Plg5°,Azm319°. Best double couple: $M_0$6.0×10^{18}Nm, NP1:ϕ_S93°,δ76°,λ174°. NP2:ϕ_S185°,δ84°,λ14°.

(186) Vanuatu (New Hebrides)

ISC	**V**	**11 22 37 20**±1.2	**19.16S**±.070	**168.74E**±.083	**43**±11	**4.6b,5.6s**	**135**	**2-166**
BJI	V	11 22 37 18.4	19.13S	168.72E	34	4.8b,5.7s		**¶97v1855**
NEIC	V	11 22 37 19.2	19.07S	168.77E	33	4.8b		
MOS	V	11 22 37 20.0	19.2S	168.7E	33	5.2b		
EIDC	V	11 22 37 27.6	19.1S	168.7E	96	4.1b		

(254) Panay

ISC	**V**	**12 13 45 26.4**±.14	**10.24N**±.024	**121.71E**±.033	**33**	**5.4b,5.8s**	**330**	**3-169**
EIDC	V	12 13 45 22.5	10.2N	121.6E	0	5.2b,5.4s		**¶97v1969**
HRVD	V	12 13 45 25.9±.2	10.11N±.02	121.44E±.02	29±1.9			
BJI	V	12 13 45 26.1	10.22N	121.65E	37	5.5b,6.0s		
MOS	V	12 13 45 26.3	10.2N	121.7E	33	6.2b,5.8s		
NEIC	V	12 13 45 26.3	10.18N	121.66E	33	5.5b,5.8s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c84; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.40±.11; $M_{\theta\theta}$−0.46±.14; $M_{\phi\phi}$1.86±.17; $M_{r\theta}$0.92±.28; $M_{r\phi}$2.71±.31; $M_{\theta\phi}$−7.90±.12. Principal Axes: T 8.90,Plg8°,Azm230°; N −0.70, Plg68°,Azm342°; P −8.20,Plg20°,Azm137°. Best double couple: $M_0$8.6×10^{17}Nm, NP1: ϕ_S276°,δ70°,λ−171°. NP2:ϕ_S182°,δ82°,λ−21°.

NEIC Mw5.9(GS), Ms5.9(BRK).

NEIC Mw 5.9 (HRV).

NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−0.29; $M_{\theta\theta}$−2.87; $M_{\phi\phi}$3.16; $M_{r\theta}$3.08; $M_{r\phi}$1.49; $M_{\theta\phi}$−7.74. Depth 11km; Principal axes: T 8.48,Plg4°,Azm55°; N 0.94,Plg69°, Azm315°; P −9.42,Plg20°,Azm146°. Best double couple: $M_0$9.0×10^{17}Nm; NP1:ϕ_S189°,δ73°, λ−12°. NP2:ϕ_S282°,δ78°,λ−163°.

(54) Off coast of Jalisco, Mexico

ISC	**V**	**12 15 03 04.0**±.92	**18.75N**±.042	**107.16W**±.045	**35**±7.5	**5.1b,4.8s**	**229**	**4-144**
MOS	V	12 15 03 01.5	18.5N	107.2W	33	5.6b,4.9s		**¶97v1989**
NEIC	V	12 15 03 03.4	18.72N	107.18W	33	5.3b,4.9s		
MEX	V	12 15 03 04.8	18.9N	107.1W	4	4.9D		
EIDC	V	12 15 03 07.9	18.8N	107.2W	59	4.7b,4.2s		
HRVD	V	12 15 03 08.6±.5	19.20N±.05	107.03W±.05	15			

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c43; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.10; $M_{\theta\theta}$−1.84±.12; $M_{\phi\phi}$1.63±.15; $M_{r\theta}$−0.03±.39; $M_{r\phi}$1.59±.40; $M_{\theta\phi}$−2.39±.11. Principal Axes: T 3.48,Plg24°,Azm246°; N −0.27,Plg62°,Azm34°; P −3.21,Plg13°,Azm150°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S286°,δ64°,λ172°. NP2:ϕ_S19°,δ82°,λ27°.

(437) South of Australia

ISC	**V**	**12 19 00 22**±4.8	**51.37S**±.051	**139.54E**±.093	**8**±29	**5.1b,5.1s**	**246**	**14-158**
EIDC	V	12 19 00 22.2	51.4S	139.5E	0	4.8b,4.7s		**¶97v2027**
NEIC	V	12 19 00 22.3	51.39S	139.55E	10	5.1b,5.1s		
BJI	V	12 19 00 23.0	51.60S	140.48E	32	5.2b,5.3s		
MOS	V	12 19 00 26.9	50.8S	139.0E	10	5.6b,4.9s		
HRVD	V	12 19 00 28.1±.5	51.45S±.05	139.29E±.07	15			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c31; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.08±.03; $M_{\theta\theta}$0.04±.04; $M_{\phi\phi}$0.04±.04; $M_{r\theta}$0.39±.12; $M_{r\phi}$−0.22±.12; $M_{\theta\phi}$−1.19±.03. Principal Axes: T 1.36,Plg17°,Azm44°; N −0.19, Plg72°,Azm247°; P −1.17,Plg7°,Azm136°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S181°,δ73°,λ7°. NP2:ϕ_S89°,δ83°,λ163°.

(177) Kermadec Islands region

ISC	**V**	**13 05 29 33.0**±.59	**31.7S**±.10	**178.0W**±.10	**33**	**4.7b,7.0s**	**58**	**2-161**
MOS	V	13 05 29 47.2	31.7S	178.3W	148	4.7b		**¶97v2135**
EIDC	V	13 05 29 50.4	31.7S	178.1W	180	4.1b		
NEIC	V	13 05 29 51.2	31.65S	178.24W	200	4.6b		

NEIC Less reliable solution.

(235) Kyūshū

ISC	**V**	**13 05 38 27.2**±.58	**31.96N**±.019	**130.30E**±.018	**7**±3.6	**5.5b,6.0s**	**575**	**0-173**
JMA	V	13 05 38 27.5±.1	31.94N±.00	130.30E±.01	9±3	6.3		**¶97v2137**
BJI	V	13 05 38 29.3	31.94N	130.25E	29	5.8L,5.6b		
MOS	V	13 05 38 30.2	31.9N	130.3E	33	6.1b,6.3s		
NEIC	V	13 05 38 30.2	31.82N	130.28E	33	5.6b,5.8s		
EIDC	V	13 05 38 31.0	31.9N	130.3E	30	4.8b,5.5s		
HRVD	V	13 05 38 32.1±.1	32.00N±.01	130.26E±.01	16±.9			

JMA Felt I= VI J1

BJI Ms6.5

NEIC Mw6.1(GS), Ms5.5(BRK). Casualties, landslide/avalanche observed.

NEIC Mw 6.1 (HRV). Thirty-four people injured and five houses damaged I=VI J in the Sendai area. Felt as far as Fukuoka. Landslides occurred in Kagoshima Prefecture.

NEIC Moment tensor solution: s27, scale 10^{18}Nm; M_{rr}0.10; $M_{\theta\theta}$0.79; $M_{\phi\phi}$−0.89; $M_{r\theta}$−0.04; $M_{r\phi}$0.03; $M_{\theta\phi}$1.11. Depth 14km; Principal axes: T 1.35,Plg1°,Azm154°; N 0.10,Plg88°, Azm271°; P −1.45,Plg2°,Azm64°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S199°,δ88°, λ−179°. NP2:ϕ_S109°,δ89°,λ−2°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c87; Mantle waves: s39,c63; Half duration: 2s5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.13±.01; $M_{\theta\theta}$0.60±.01; $M_{\phi\phi}$−0.47±.01; $M_{r\theta}$0.24±.04; $M_{r\phi}$−0.43±.05; $M_{\theta\phi}$1.21±.01. Principal Axes: T 1.39,Plg1°,Azm147°; N 0.05,Plg69°,Azm53°; P −1.44,Plg20°,Azm237°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S280°,δ75°,λ−14°. NP2:ϕ_S14°,δ77°,λ−164°.

(173) Tonga

ISC	**V**	**15 15 54 50.9**±.15	**17.07S**±.038	**173.46W**±.043	**41**±1.7*	**5.3b,5.0s**	**460**	**4-165**
EIDC	V	15 15 54 46.0	17.2S	173.3W	0	5.2b,4.5s		**¶97v2643**
NEIC	V	15 15 54 50.3	16.96S	173.52W	33	5.4b,5.1s		
BJI	V	15 15 54 51.6	16.38S	173.15W	32	5.3b,5.2s		
MOS	V	15 15 54 51.9	16.9S	173.8W	33	5.8b,4.9s		
HRVD	V	15 15 54 56.2±.2	16.96S±.03	172.91W±.03	31±2.1			

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c73; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.04; $M_{\theta\theta}$−0.54±.05; $M_{\phi\phi}$−0.68±.06; $M_{r\theta}$0.87±.11; $M_{r\phi}$−1.03±.11; $M_{\theta\phi}$0.54±.04. Principal Axes: T 1.83,Plg66°,Azm50°; N −0.07, Plg0°,Azm319°; P −1.76,Plg24°,Azm229°. Best double couple: $M_0$1.8×10^{17}Nm, NP1: ϕ_S319°,δ21°,λ90°. NP2:ϕ_S139°,δ69°,λ90°.

(189) Loyalty Islands region

ISC	**V**	**15 18 01 34.4**±.90	**21.62S**±.039	**169.80E**±.037	**41**±8.3	**5.1b,5.5s**	**462**	**3-164**
NEIC	V	15 18 01 33.2	21.63S	169.88E	33	5.3b,5.6s		**¶97v2655**
MOS	V	15 18 01 33.8	21.6S	169.9E	33	5.6b,5.5s		
BJI	V	15 18 01 33.9	20.95S	170.17E	29	5.4b,5.4s		
EIDC	V	15 18 01 36.6	21.7S	169.9E	49	4.7b,5.0s		
HRVD	V	15 18 01 41.2±.1	21.65S±.02	169.53E±.01	20			

NEIC Mw6.0(HRV), Mw5.8(GS).

NEIC Moment tensor solution: s33, scale 10^{17}Nm; M_{rr}5.07; $M_{\theta\theta}$−0.77; $M_{\phi\phi}$−4.30; $M_{r\theta}$2.02; $M_{r\phi}$−3.04; $M_{\theta\phi}$1.62. Depth 21km; Principal axes: T 6.29,Plg71°,Azm48°; N −0.21,Plg6°, Azm154°; P −6.08,Plg18°,Azm246°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S345°,δ28°, λ102°. NP2:ϕ_S152°,δ63°,λ84°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s60,c116; Mantle waves: s4,c6; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}7.96±.08; $M_{\theta\theta}$−1.95±.11; $M_{\phi\phi}$−6.01±.13; $M_{r\theta}$3.01±.18; $M_{r\phi}$−3.75±.19; $M_{\theta\phi}$3.96±.09. Principal Axes: T 9.28,Plg74°,Azm44°; N 0.43,Plg3°,Azm147°; P −9.72,Plg15°,Azm238°. Best double couple: $M_0$9.5×10^{17}Nm, NP1:ϕ_S333°,δ30°,λ97°. NP2:ϕ_S145°,δ60°,λ86°.

(391) Albania

ISC	**V**	**16 07 00 49.6**±.10	**41.02N**±.014	**20.19E**±.013	**21**	**5.1b,5.3s**	**574**	**0-146**
BJI	V	16 07 00 45.9	40.38N	20.26E	20	5.5b,5.7s		**¶97v2733**
PDG	V	16 07 00 47.4	40.9N	20.2E	3	5.4L,5.2D		
TIR	V	16 07 00 47.8	41.00N	20.29E	21	4.6L		
EIDC	V	16 07 00 47.9	41.0N	20.3E	0	5.0b,4.9s		
NEIC	V	16 07 00 48.3	41.05N	20.17E	10	5.4b,5.3s		
MOS	V	16 07 00 48.8	41.1N	20.1E	10	5.9b,5.2s		
ATH	V	16 07 00 49.7	41.02N	20.33E	5	5.5L		
LDG	V	16 07 00 51.3	41.3N	20.2E		4.8L		
THE	V	16 07 00 51.7	40.9N	20.4E	8	4.8L		
HRVD	V	16 07 00 54.0±.5	41.06N±.07	20.14E±.07	21±3.3			

PDG Felt at Ulcinj, Podgorica III−IV MCS

TIR Felt I=IV−V MSK at Elbasani, Librazhdi, Berati, Department of Korca, IV Vlora, Department of Tirana

NEIC Mw5.4(HRV), M_L4.9(ROM)

NEIC Damage to older houses in the Lake Ohrid area. Felt at Edhessa, Florina, Kastoria and Kozani, Greece.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c43; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.75±.05; $M_{\theta\theta}$−0.37±.07; $M_{\phi\phi}$1.11±.06; $M_{r\theta}$0.45±.12; $M_{r\phi}$−0.73±.17; $M_{\theta\phi}$0.10±.05. Principal Axes: T 1.37,Plg19°,Azm88°; N −0.13, Plg25°,Azm349°; P −1.24,Plg57°,Azm211°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S213°,δ34°,λ−40°. NP2:ϕ_S338°,δ69°,λ−117°.

(306) Xizang

ISC	**V**	**16 11 18 07.8**±.70	**30.29N**±.028	**97.00E**±.028	**33**±6.8	**5.1b,4.9s**	**339**	**5-165**
BJI	V	16 11 18 07.0	30.37N	97.02E	25	5.4L,5.3b		**¶97v2764**
NEIC	V	16 11 18 07.7	30.29N	96.99E	33	5.2b,4.9s		
MOS	V	16 11 18 07.9	30.3N	97.0E	33	5.7b,4.9s		
EIDC	V	16 11 18 11.8	30.3N	97.0E	54	4.7b,4.3s		

BJI Ms5.3

(189) Loyalty Islands region

ISC	**V**	**16 14 16 57**±2.1	**21.67S**±.038	**169.86E**±.045	**31**±15	**5.0b,5.2s**	**393**	**3-164**
EIDC	V	16 14 16 53.9	21.6S	169.9E	0	4.8b,4.5s		**¶97v2785**
NEIC	V	16 14 16 57.2	21.65S	169.89E	33	5.2b,5.3s		
BJI	V	16 14 16 58.6	21.41S	169.70E	31	5.4b,5.3s		

MOS V 16 14 17 00.4 21.6S 169.4E 33 5.9b,5.1s
HRVD V 16 14 17 03.8±.2 21.68S±.02 169.63E±.02 27±1.3
NEIC Mw5.7(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c91; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.04; $M_{\theta\theta}$−1.56±.06; $M_{\phi\phi}$−1.00±.07; $M_{r\theta}$1.97±.15; $M_{r\phi}$−0.77±.12; $M_{\theta\phi}$1.43±.05. Principal Axes: T 3.35,Plg69°,Azm8°; N 0.07, Plg9°,Azm123°; P −3.43,Plg19°,Azm216°. Best double couple: $M_0$3.4×10^{17}Nm, NP1: ϕ_S321°,δ27°,λ111°. NP2:ϕ_S118°,δ65°,λ80°.

(218) Near east coast of Kamchatka

ISC	**V**	**16 22 41 06.0**±.54	**55.56N**±.029	**162.50E**±.040	**54**±5.2	**5.1b,4.9s**	**437**	**1-152**	
BJI	V	16 22 41 01.1	55.48N	162.40E	30	5.1b,5.1s			**¶97v2838**
NEIC	V	16 22 41 03.5	55.58N	162.54E	33	5.2b,4.7s			
MOS	V	16 22 41 04.1	55.7N	162.5E	33	5.6b,5.0s			
KRSC	V	16 22 41 05.2	55.49N	163.11E	42	5.2b			
EIDC	V	16 22 41 06.5	55.6N	162.6E	45	4.6b,4.2s			
HRVD	V	16 22 41 09.5±.2	55.59N±.03	163.10E±.07	31				

NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c61; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.04; $M_{\theta\theta}$−1.33±.04; $M_{\phi\phi}$0.33±.05; $M_{r\theta}$1.02±.11; $M_{r\phi}$1.16±.09; $M_{\theta\phi}$0.30±.05. Principal Axes: T 2.17,Plg52°,Azm297°; N −0.44, Plg29°,Azm72°; P −1.73,Plg22°,Azm175°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S306°,δ34°,λ149°. NP2:ϕ_S63°,δ73°,λ60°.

(178) Kermadec Islands

ISC	**V**	**18 04 58 34.1**±.20	**30.60S**±.051	**177.38W**±.051	**33**	**5.2b,5.3s**	**270**	**1-170**	
EIDC	V	18 04 58 30.0	30.4S	177.4W	0	4.9b,5.2s			**¶97v3028**
BJI	V	18 04 58 31.9	29.85S	176.79W	16	5.2b,5.4s			
NEIC	V	18 04 58 34.2	30.43S	177.41W	33	5.4b,5.4s			
MOS	V	18 04 58 35.0	30.4S	177.1W	33	5.6b,5.3s			
HRVD	V	18 04 58 37.3±.2	30.31S±.02	176.94W±.03	15				

NEIC Mw5.6(GS), Mw5.6(HRV).
NEIC Moment tensor solution: s21, scale 10^{17}Nm; M_{rr}0.43; $M_{\theta\theta}$−0.53; $M_{\phi\phi}$0.10; $M_{r\theta}$0.11; $M_{r\phi}$2.70; $M_{\theta\phi}$−0.35. Depth 14km; Principal axes: T 2.98,Plg47°,Azm266°; N −0.48,Plg8°,Azm5°; P −2.50,Plg42°,Azm103°. Best double couple: $M_0$2.7×10^{17}Nm; NP1:ϕ_S261°,δ9°,λ166°. NP2: ϕ_S5°,δ88°,λ82°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c77; Mantle waves: s5,c7; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55±.04; $M_{\theta\theta}$0.37±.05; $M_{\phi\phi}$−1.92±.06; $M_{r\theta}$0.30±.07; $M_{r\phi}$1.86±.08; $M_{\theta\phi}$−0.44±.04. Principal Axes: T 2.37,Plg67°,Azm277°; N 0.45,Plg1°,Azm10°; P −2.82,Plg23°,Azm100°. Best double couple: $M_0$2.6×10^{17}Nm, NP1:ϕ_S192°,δ22°,λ93°. NP2:ϕ_S9°,δ68°,λ89°.

(274) Southern Sumatera

ISC	**V**	**18 22 14 14**±4.4	**1.92S**±.040	**99.68E**±.052	**8**±26	**5.0b,5.1s**	**229**	**5-158**	
BJI	V	18 22 14 17.3	2.13S	99.71E	40	5.0b,5.4s			**¶97v3154**
MOS	V	18 22 14 17.8	1.9S	99.8E	33	5.6b,4.9s			
KLM	V	18 22 14 18	1.8S	99.7E	33	4.4L			
NEIC	V	18 22 14 18.0	1.87S	99.74E	33	5.0b,5.1s			
EIDC	V	18 22 14 19.0	1.9S	99.8E	29	4.7b,4.7s			
HRVD	V	18 22 14 21.9±.3	2.21S±.04	99.40E±.04	31				

NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c44; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.03; $M_{\theta\theta}$−0.67±.04; $M_{\phi\phi}$−0.03±.05; $M_{r\theta}$1.00±.10; $M_{r\phi}$−0.69±.08; $M_{\theta\phi}$0.48±.04. Principal Axes: T 1.36,Plg62°,Azm41°; N 0.22, Plg4°,Azm303°; P −1.57,Plg28°,Azm210°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S289°,δ17°,λ75°. NP2:ϕ_S124°,δ73°,λ94°.

(83) South of Panama

ISC	**V**	**19 02 25 51.4**±.34	**6.69N**±.053	**82.40W**±.035	**10**	**5.1b,5.1s**	**220**	**2-155**	
MOS	V	19 02 25 49.2	6.4N	82.9W	10	5.4b			**¶97v3180**
NEIC	V	19 02 25 49.6	6.50N	82.37W	10	5.2b,5.1s			
BJI	V	19 02 25 54.6	6.50N	82.40W	10	5.8s			
HRVD	V	19 02 25 57.1±.1	6.57N±.02	82.27W±.02	15				
EIDC	V	19 02 25 58.3	6.6N	82.4W	62	4.3b,4.8s			

NEIC Mw5.8(HRV), M_D4.9(UPA).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c102; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.17±.06; $M_{\theta\theta}$0.74±.07; $M_{\phi\phi}$−0.57±.09; $M_{r\theta}$2.15±.20; $M_{r\phi}$0.95±.24; $M_{\theta\phi}$5.10±.06. Principal Axes: T 6.05,Plg20°,Azm320°; N −0.87, Plg68°,Azm114°; P −5.17,Plg9°,Azm227°. Best double couple: $M_0$5.6×10^{17}Nm, NP1:ϕ_S2°, δ69°,λ172°. NP2:ϕ_S95°,δ82°,λ21°.

(701) West of Macquarie Island

ISC	**V**	**20 18 27 07.3**±.33	**59.70S**±.042	**150.3E**±.14	**10**	**4.7b,5.6s**	**150**	**7-155**	
EIDC	V	20 18 27 06.1	59.8S	150.4E	0	4.6b,5.2s			**¶97v3444**
BJI	V	20 18 27 06.5	59.70S	150.50E	10				
NEIC	V	20 18 27 06.5	59.71S	150.49E	10	4.9b,5.6s			
MOS	V	20 18 27 14.2	59.3S	148.1E	10	5.5b,5.5s			
HRVD	V	20 18 27 14.9±.1	59.74S±.01	149.92E±.03	15				

NEIC Mw5.9(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c85; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.68±.08; $M_{\theta\theta}$5.45±.09; $M_{\phi\phi}$−4.77±.09; $M_{r\theta}$−0.12±.24; $M_{r\phi}$−1.07±.26; $M_{\theta\phi}$−6.14±.09. Principal Axes: T 8.34,Plg2°,Azm25°; N −0.55, Plg82°,Azm130°; P −7.80,Plg8°,Azm295°. Best double couple: $M_0$8.1×10^{17}Nm, NP1:ϕ_S70°, δ83°,λ−176°. NP2:ϕ_S340°,δ86°,λ−7°.

(173) Tonga

ISC	**V**	**21 00 08 38**±4.3	**20.79S**±.046	**175.40W**±.046	**8**±25	**5.4b,4.6s**	**388**	**8-163**	
EIDC	V	21 00 08 38.1	20.7S	175.3W	0	5.3b,4.2s			**¶97v3482**
MOS	V	21 00 08 45.1	20.7S	175.5W	50	5.8b,4.6s			
NEIC	V	21 00 08 46.4	20.81S	175.47W	70	5.4b,4.6s			
BJI	V	21 00 08 46.5	20.61S	174.75W	83	5.3b,5.4s			
HRVD	V	21 00 08 50.5±.3	20.97S±.03	174.71W±.02	88±1.9				

NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c64; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.15±.03; $M_{\theta\theta}$−0.12±.07; $M_{\phi\phi}$−1.03±.06; $M_{r\theta}$−0.28±.04; $M_{r\phi}$−0.35±.04; $M_{\theta\phi}$0.23±.04. Principal Axes: T 1.28,Plg74°,Azm142°; N −0.16,Plg14°,Azm351°; P −1.13,Plg7°,Azm259°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S333°,δ40°,λ68°. NP2:ϕ_S182°,δ54°,λ107°.

(181) Fiji region

ISC	**V**	**21 16 26 27**±1.8	**18.89S**±.045	**175.90E**±.040	**51**±16	**5.1b,5.2s**	**330**	**2-168**	
BJI	V	21 16 26 24.5	18.78S	176.29E	38	5.2b,5.6s			**¶97v3581**
NEIC	V	21 16 26 24.7	18.90S	175.95E	33	5.3b,5.2s			
MOS	V	21 16 26 27.2	19.0S	175.7E	33	5.6b,5.3s			
EIDC	V	21 16 26 28.0	18.9S	176.0E	49	4.6b,4.8s			
HRVD	V	21 16 26 28.4±.6	19.00S±.07	175.87E±.06	15				

NEIC Mw6.0(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c47; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−7.82±.42; $M_{\theta\theta}$1.47±.50; $M_{\phi\phi}$6.34±.44; $M_{r\theta}$−4.51±1.22; $M_{r\phi}$−4.93±1.54; $M_{\theta\phi}$0.78±.46. Principal Axes: T 8.6,Plg21°,Azm110°; N 2.2, Plg12°,Azm204°; P −10.7,Plg66°,Azm322°. Best double couple: $M_0$9.7×10^{17}Nm, NP1: ϕ_S180°,δ26°,λ−117°. NP2:ϕ_S30°,δ67°,λ−77°.

(314) India

ISC	**V**	**21 22 51 28**±1.4	**23.09N**±.027	**80.08E**±.021	**29**±9.7	**5.8b,5.6s**	**599**	**6-152**	
BJI	V	21 22 51 27.8	23.14N	79.95E	34	5.7b,5.7s			**¶97v3620**
NEIC	V	21 22 51 28.7	23.08N	80.04E	36	6.0b,5.6s			
MOS	V	21 22 51 29.3	23.1N	80.0E	33	6.2b,5.5s			
EIDC	V	21 22 51 30.9	23.0N	80.1E	38	5.6b,5.2s			
HRVD	V	21 22 51 31.8±.2	23.06N±.02	80.22E±.02	38				

NEIC Mw5.8(GS), Me5.4(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.7±0.5×10^{12}Nm/17
NEIC Mw 5.8 (HRV). At least 38 people killed, more than 1,000 injured, thousands homeless and extensive damage in the Jabalpur area. Felt in much of Madhya Pradesh. Also felt at Allahabad, Delhi, Nagpur and in parts of western Orissa.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S255°,δ20°,λ90°. NP2:ϕ_S75°,δ70°,λ90°. Principal axes: T Plg65°,Azm345°; P Plg25°,Azm165°. Two events about 1 second apart. Depth from synthetics of broadband displacement seismograms based on first event.
NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}3.05; $M_{\theta\theta}$−3.36; $M_{\phi\phi}$0.31; $M_{r\theta}$3.65; $M_{r\phi}$2.14; $M_{\theta\phi}$−0.57. Depth 33km; Principal axes: T 5.31,Plg61°,Azm316°; N 0.06,Plg12°,Azm68°; P −5.38,Plg26°,Azm164°. Best double couple: $M_0$5.3×10^{17}Nm; NP1:ϕ_S279°,δ22°,λ123°. NP2: ϕ_S64°,δ72°,λ78°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c108; Mantle waves: s26,c34; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}3.55±.07; $M_{\theta\theta}$−4.14±.08; $M_{\phi\phi}$0.59±.09; $M_{r\theta}$3.47±.14; $M_{r\phi}$2.52±.14; $M_{\theta\phi}$−0.71±.07. Principal Axes: T 5.77,Plg61°,Azm306°; N 0.11,Plg16°,Azm67°; P −5.88,Plg23°,Azm164°. Best double couple: $M_0$5.8×10^{17}Nm, NP1:ϕ_S283°,δ26°,λ129°. NP2:ϕ_S61°,δ70°,λ73°.

(230) Near south coast of Honshū

ISC	**V**	**21 23 11 24.1**±.55	**34.23N**±.021	**139.19E**±.021	**8**±3.4	**4.9b,5.1s**	**326**	**0-150**	
EIDC	V	21 23 11 22.6	34.2N	139.5E	0	4.6b,4.0L			**¶97v3623**
JMA	V	21 23 11 24.8±.2	34.22N±.01	139.22E±.01	0	5.1			
NEIC	V	21 23 11 25.9	34.28N	139.13E	20	5.1b			
MOS	V	21 23 11 28.1	34.3N	139.1E	33	5.6b			
BJI	V	21 23 11 28.5	34.30N	139.10E	20	5.1b,5.4s			
JMA	Felt I= IV J1								

(377) Spain

ISC	**V**	**21 23 50 42.7**±.13	**42.86N**±.015	**7.16W**±.020	**13**	**5.2b,5.0s**	**418**	**0-156**	
EIDC	V	21 23 50 42.0	42.9N	7.3W	0	4.9b,5.3L			**¶97v3630**
BJI	V	21 23 50 42.5	43.31N	7.24W	3	5.3b,5.7s			
NEIC	V	21 23 50 43.5	42.88N	7.19W	19	5.3b,4.9s			
MOS	V	21 23 50 43.8	42.9N	7.1W	24	5.6b,5.0s			
MDD	V	21 23 50 45.9	42.78N	7.26W	13	5.1			
LIS	V	21 23 50 47	42.72N	7.28W	12	5.4L			
HRVD	V	21 23 50 47.9±.5	42.95N±.11	7.21W±.11	15				
LDG	V	21 23 50 48.2	43.2N	7.1W		5.6L			
STR	V	21 23 50 55.3	43.50N	6.25W	10	5.6L			

NEIC Mw5.4(HRV)
NEIC mbLg 5.1 (MDD). One person died from a heart attack and minor damage in the Galicia region. Felt in many parts of northern and western Spain. Also felt in northern Portugal.
MDD Felt I=VI MSK
LIS Felt I=V MM Franca, Pitoes, Montalegre, Vinhais,Gralhos, Paradela, Geres, Sudro, Cabril, Terras do Bouro, Chaves, Safiaes, Carvalhelhos, Boticas, Castanheira, Faioes, Alto da Forca, Vidago, Pisoes, Valpacos, Rio Torto, Eixos, Pedras Salgadas, Povoa de Lanhoso, Vila Real, IV−V Melgaco, Braganca, Amares, Braga, Macedo de Cavaleiros, Carvalhais, Mirandela, Guimaraes
LIS Felt I=IV MM Moncao, Valenca, Arcos de valdevez, Rabal, Ponte de Lima, Barcelos, Amarante, Vila Mea, Santa Marinha, Penafiel, Regua, Meda, Vouzela, Castro Daire, Viseu, III−IV Caminha, Portelo, Viana do Castelo, Marco de Canaveses, Moncorvo, Penalva do Castelo, Mangualde, Nelas, Tondela, III Miranda do Douro, Paredes, Porto Vila, Nova de Foz Coa, Castelo de Paiva, Arouca, Pinhel, Aveiro, Agueda, Felgueiras, Guarda, Seia, Belmonte, Coimbra, Torres Novas, Castelo de Vide, II Lisboa
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c29; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.83±.09; $M_{\theta\theta}$−0.21±.11; $M_{\phi\phi}$1.04±.08; $M_{r\theta}$−0.77±.22; $M_{r\phi}$0.31±.37; $M_{\theta\phi}$−0.35±.09. Principal Axes: T 1.27,Plg15°,Azm249°; N 0.09, Plg29°,Azm150°; P −1.36,Plg56°,Azm3°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S13°, δ39°,λ−40°. NP2:ϕ_S136°,δ66°,λ−122°.

(249) Luzon

ISC	**V**	**22 13 21 38.3**±.60	**18.99N**±.023	**121.34E**±.029	**50**±5.4	**5.6b,5.6s**	**531**	**1-173**	
BJI	V	22 13 21 35.7	19.12N	121.27E	8	5.4L,5.8b			**¶97v3776**
NEIC	V	22 13 21 36.3	18.92N	121.34E	34	5.7b,5.6s			
MOS	V	22 13 21 36.4	19.0N	121.3E	33	6.1b,5.7s			
EIDC	V	22 13 21 37.4	18.9N	121.4E	31	5.2b,5.3s			
HRVD	V	22 13 21 40.2±.1	19.09N	121.10E	39				
BJI	Ms5.6								

NEIC Mw6.1(HRV), Me5.8(GS)
NEIC Mw 6.0 (GS). Felt I=III MM in Hong Kong.
NEIC Radiated energy from the P−wave first−motion solution: 1.3±0.3×10^{13}Nm/10
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S205°,δ65°,λ60°. NP2:ϕ_S79°,δ38°,λ137°. Principal axes: T Plg59°,Azm72°; P Plg15°,Azm316°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}9.00; $M_{\theta\theta}$0.80; $M_{\phi\phi}$−9.80; $M_{r\theta}$−2.40; $M_{r\phi}$−4.10; $M_{\theta\phi}$−4.10. Depth 33km; Principal axes: T 10.2,Plg76°,Azm138°; N 2.1,Plg6°, Azm21°; P −12.3,Plg12°,Azm290°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S11°,δ33°, λ78°. NP2:ϕ_S205°,δ58°,λ98°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c104; Mantle waves: s32,c57; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}1.06±.01; $M_{\theta\theta}$−0.33±.01; $M_{\phi\phi}$−0.73±.02; $M_{r\theta}$−0.28±.03; $M_{r\phi}$−0.71±.02; $M_{\theta\phi}$−0.63±.01. Principal Axes: T 1.31,Plg71°,Azm97°; N 0.11,Plg8°,Azm212°; P −1.42,Plg17°,Azm304°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S46°,δ29°,λ107°. NP2:ϕ_S207°,δ62°,λ81°.

(221) Kuril Islands

ISC	**V**	**22 14 41 21.0**±.21	**48.19N**±.038	**154.94E**±.044	**50**±1.7*	**5.0b,5.0s**	**266**	**3-156**	
EIDC	V	22 14 41 15.2	48.2N	154.9E	0	4.7b,4.5s			**¶97v3784**
SKHL	V	22 14 41 17.0	47.9N±.21	155.5E±.30	50±2				
BJI	V	22 14 41 17.9	48.37N	154.90E	33	5.1b,5.0s			
MOS	V	22 14 41 18.6	48.3N	154.9E	26	5.7b,5.2s			
NEIC	V	22 14 41 18.8	48.21N	154.94E	33	5.1b,5.0s			
SKHL	K11.5								

(230) Near south coast of Honshū

ISC	**V**	**23 17 50 38.3**±.34	**34.45N**±.019	**137.52E**±.020	**28**±2.8	**5.1b,5.6s**	**391**	**0-151**	
EIDC	V	23 17 50 35.0	34.4N	137.5E	0	4.5b,5.0s			**¶97v3977**
BJI	V	23 17 50 35.4	34.43N	137.77E	26	5.2b,6.0s			
NEIC	V	23 17 50 35.4	34.37N	137.48E	11	5.2b,5.3s			
JMA	V	23 17 50 38.4±.0	34.50N±.01	137.50E±.01	23±2	5.9			
HRVD	V	23 17 50 40.4±.2	34.55N±.02	137.41E±.04	17				
MOS	V	23 17 50 42.2	35.1N	137.3E	33	5.7b,6.1s			

NEIC Mw5.8(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c71; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.30±.06; $M_{\theta\theta}$1.27±.06; $M_{\phi\phi}$0.03±.08; $M_{r\theta}$−3.40±.14; $M_{r\phi}$−3.38±.12; $M_{\theta\phi}$0.58±.06. Principal Axes: T 4.97,Plg37°,Azm142°; N 0.04, Plg7°,Azm47°; P −5.01,Plg52°,Azm308°. Best double couple: $M_0$5.0×10^{17}Nm, NP1:ϕ_S269°, δ10°,λ−48°. NP2:ϕ_S46°,δ83°,λ−97°.

(71) Near coast of Guatemala

ISC	**V**	**23 19 13 12**±3.6	**13.57N**±.068	**91.03W**±.057	**13**±21	**4.8b,4.7s**	**156**	**2-152**	
EIDC	V	23 19 13 10.9	13.7N	90.7W	0	4.7b,4.2s			**¶97v3991**
BJI	V	23 19 13 15.0	13.60N	90.90W	33	5.7s			
NEIC	V	23 19 13 15.0	13.64N	90.93W	33	4.9b,4.7s			
MEX	V	23 19 13 24.0	14.1N	91.5W	16	5.0D			
MOS	V	23 19 13 25.4	14.7N	91.3W	33	5.1b,4.3s			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(229) Off east coast of Honshū						
ISC	**V**	**24 05 15 37.5**±.83	**33.65N**±.022	**142.18E**±.030	**18**±5.4	**5.6b,4.9s**	**632**	**1-162**
EIDC	V	24 05 15 35.3	33.5N	142.1E	0	5.4b,4.2s		¶97v4058
BJI	V	24 05 15 37.5	33.67N	141.76E	15	5.5b,4.9s		
JMA	V	24 05 15 38.0±.5	33.54N±.02	142.19E±.04	44	5.0		
NEIC	V	24 05 15 39.3	33.56N	142.02E	33	5.5b,4.8s		
MOS	V	24 05 15 40.0	33.6N	142.1E	38	6.1b,5.0s		
HRVD	V	24 05 15 40.6±.4	33.76N±.09	142.11E±.06	15			

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c34; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.94±.43; $M_{\theta\theta}$0.11±.46; $M_{\phi\phi}$6.83±.44; $M_{r\theta}$−2.93±1.68; $M_{r\phi}$−4.63±2.02; $M_{\theta\phi}$−3.42±.56. Principal Axes: T 8.97,Plg13°,Azm73°; N 0.88,Plg26°,Azm169°; P −9.85,Plg61°,Azm319°. Best double couple: $M_0$9.4×10^{16}Nm, NP1: ϕ_S133°,δ39°,λ−133°. NP2:ϕ_S4°,δ62°,λ−61°.

		(186) Vanuatu (New Hebrides)						
ISC	**V**	**24 13 15 58.9**±.31	**13.05S**±.041	**166.16E**±.057	**33**	**5.0b,5.0s**	**159**	**5-152**
NEIC	V	24 13 15 58.5	13.01S	166.17E	33	5.1b,5.1s		¶97v4113
MOS	V	24 13 15 58.8	13.0S	166.1E	33	5.7b,5.0s		
HRVD	V	24 13 15 59.5±.6	13.41S±.06	166.44E±.06	24±5.7			
BJI	V	24 13 15 59.6	12.44S	166.39E	25	5.2b,5.2s		
EIDC	V	24 13 16 01.3	13.0S	166.2E	43	4.6b,4.4s		

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.12±.04; $M_{\theta\theta}$−1.01±.06; $M_{\phi\phi}$0.89±.08; $M_{r\theta}$−0.35±.12; $M_{r\phi}$−0.38±.12; $M_{\theta\phi}$0.35±.04. Principal Axes: T 1.15,Plg24°,Azm103°; N 0.00, Plg62°,Azm251°; P −1.14,Plg13°,Azm7°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S143°, δ63°,λ172°. NP2:ϕ_S237°,δ83°,λ27°.

		(122) Near coast of Northern Chile						
ISC	**V**	**25 18 57 31**±1.1	**22.98S**±.045	**70.59W**±.067	**45**±10	**5.0b,5.2s**	**151**	**2-176**
NEIC	V	25 18 57 30.0	22.89S	70.55W	36	5.2b,5.1s		¶97v4312
MOS	V	25 18 57 30.3	22.9S	70.7W	33	5.4b,5.1s		
BJI	V	25 18 57 30.6	23.78S	70.28W	36	5.9s		
HRVD	V	25 18 57 31.4±.2	23.24S±.03	71.20W±.03	15			
EIDC	V	25 18 57 31.4	23.0S	70.6W	37	4.6b,5.2s		

NEIC Mw5.5(HRV)

NEIC Felt I=IV MM at Mejillones and III MM at Michilla.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c56; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.04; $M_{\theta\theta}$0.35±.06; $M_{\phi\phi}$−1.82±.07; $M_{r\theta}$0.05±.07; $M_{r\phi}$−1.35±.07; $M_{\theta\phi}$0.05±.05. Principal Axes: T 1.95,Plg70°,Azm86°; N 0.35, Plg1°,Azm178°; P −2.30,Plg20°,Azm269°. Best double couple: $M_0$2.1×10^{17}Nm, NP1:ϕ_S0°, δ25°,λ92°. NP2:ϕ_S178°,δ65°,λ89°.

		(161) Off west coast of South Island, N.Z.						
ISC	**V**	**26 10 50 08.7**±.30	**47.40S**±.048	**166.03E**±.051	**12**	**5.2b,3.8s**	**145**	**2-170**
BJI	V	26 10 50 11.2	47.40S	165.90E	33	5.5b		¶97v4400
NEIC	V	26 10 50 11.2	47.43S	165.96E	33	5.5b		
MOS	V	26 10 50 13.1	47.5S	165.6E	33	5.6b		
HRVD	V	26 10 50 14.5±.7	47.43S	165.96E	33			
EIDC	V	26 10 50 14.8	47.4S	165.9E	48	4.8b,3.5s		
WEL	V	26 10 50 15.0	47.27S	165.96E	12	5.5L		

NEIC Mw5.2(HRV)

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c21; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.25±1.01; $M_{\theta\theta}$4.90±.72; $M_{\phi\phi}$0.35±1.52; $M_{r\theta}$−1.17±1.17; $M_{r\phi}$−3.63±1.57; $M_{\theta\phi}$−4.40±1.06. Principal Axes: T 7.65,Plg4°,Azm33°; N 0.16,Plg34°,Azm126°; P −7.81,Plg56°,Azm296°. Best double couple: $M_0$7.7×10^{16}Nm, NP1: ϕ_S92°,δ50°,λ−137°. NP2:ϕ_S331°,δ58°,λ−49°.

WEL Felt Invercargill.

		(691) South Pacific Cordillera						
ISC	**V**	**27 06 10 32.0**±.32	**54.94S**±.082	**136.1W**±.12	**10**	**4.9b,5.8s**	**198**	**30-179**
EIDC	V	27 06 10 31.5	54.5S	136.4W	0	4.8b,5.8s		¶97v4521
BJI	V	27 06 10 31.7	54.90S	136.20W	10	5.9s		
NEIC	V	27 06 10 31.7	54.93S	136.17W	10	5.3b,5.9s		
MOS	V	27 06 10 33.9	54.7S	135.9W	10	5.8s		
HRVD	V	27 06 10 41.1±.1	54.39S±.01	135.92W±.02	15			

NEIC Mw6.1(HRV), Ms6.0(BRK), Less reliable solution.

NEIC Mw 6.0 (GS).

NEIC Moment tensor solution: s15, scale 10^{17}Nm; M_{rr}0.40; $M_{\theta\theta}$8.80; $M_{\phi\phi}$−9.20; $M_{r\theta}$2.30; $M_{r\phi}$1.50; $M_{\theta\phi}$8.20. Depth 18km; Principal axes: T 12.6,Plg12°,Azm338°; N −0.1,Plg77°,Azm171°; P −12.4,Plg3°,Azm69°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S114°,δ79°,λ7°. NP2:ϕ_S23°, δ83°,λ169°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c102; Mantle waves: s52,c95; Half duration: 2s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.18±.12; $M_{\theta\theta}$9.35±.16; $M_{\phi\phi}$−9.17±.10; $M_{r\theta}$−0.41±.44; $M_{r\phi}$−3.60±.40; $M_{\theta\phi}$9.78±.12. Principal Axes: T 13.8,Plg8°,Azm156°; N 0.3,Plg75°,Azm36°; P −14.1,Plg13°,Azm248°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S291°,δ76°,λ−4°. NP2:ϕ_S22°,δ86°,λ−166°.

		(173) Tonga						
ISC	**V**	**27 08 00 31.7**±.16	**15.35S**±.036	**173.21W**±.043	**33**	**5.5b,6.2s**	**483**	**2-166**
EIDC	V	27 08 00 27.3	15.4S	173.1W	0	5.3b,6.0s		¶97v4535
NEIC	V	27 08 00 29.0	15.21S	173.33W	14	5.6b,6.3s		
BJI	V	27 08 00 29.6	15.12S	173.39W	8	6.0b,6.2s		
MOS	V	27 08 00 32.8	15.1S	173.4W	33	6.0b,6.1s		
HRVD	V	27 08 00 38.7±.1	15.27S±.01	172.79W±.01	17			

NEIC Mw6.4(HRV), Me5.9(GS).

NEIC Radiated energy from the USGS moment tensor solution: 1.5±0.2×10^{13}Nm/17

NEIC Mw 6.3 (GS). Ms 6.4 (BRK). Mo=7.4×10^{18}Nm (PPT). Two events about 1.5 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event.

NEIC Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}1.75; $M_{\theta\theta}$0.11; $M_{\phi\phi}$−1.86; $M_{r\theta}$0.56; $M_{r\phi}$1.61; $M_{\theta\phi}$1.10. Depth 7km; Principal axes: T 2.71,Plg59°,Azm312°; N 0.02,Plg25°,Azm170°; P −2.73,Plg17°,Azm72°. Best double couple: $M_0$2.7×10^{18}Nm; NP1:ϕ_S129°,δ36°,λ43°. NP2: ϕ_S2°,δ66°,λ118°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c131; Mantle waves: s51,c103; Half duration: 3s9. Moment tensor: Scale 10^{18}Nm; M_{rr}2.56±.02; $M_{\theta\theta}$0.57±.02; $M_{\phi\phi}$−3.13±.02; $M_{r\theta}$0.20±.05; $M_{r\phi}$2.94±.06; $M_{\theta\phi}$0.81±.01. Principal Axes: T 3.89,Plg65°,Azm291°; N 0.58,Plg11°,Azm176°; P −4.47,Plg22°,Azm82°. Best double couple: $M_0$4.2×10^{18}Nm, NP1:ϕ_S151°,δ25°,λ63°. NP2:ϕ_S1°,δ68°,λ102°.

		(169) Samoa region						
ISC	**V**	**27 09 27 12.8**±.26	**15.49S**±.063	**172.97W**±.076	**33**	**4.6b,5.4s**	**143**	**2-165**
EIDC	V	27 09 27 09.2	15.3S	173.2W	0	4.6b,5.0s		¶97v4548
NEIC	V	27 09 27 12.8	15.40S	173.06W	33	4.6b,5.4s		
BJI	V	27 09 27 13.7	15.16S	172.85W	30	5.0b,5.5s		
MOS	V	27 09 27 15.6	15.4S	173.6W	33	5.0b		
HRVD	V	27 09 27 16.7±.6	15.66S±.09	172.40W±.10	17±4.4			

NEIC Mw5.6(HRV), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c25; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}3.37±.27; $M_{\theta\theta}$−0.28±.52; $M_{\phi\phi}$−3.09±.35; $M_{r\theta}$−0.36±.86; $M_{r\phi}$−0.02±.93; $M_{\theta\phi}$0.28±.21. Principal Axes: T 3.41,Plg84°,Azm176°; N −0.29,Plg6°,Azm354°; P −3.12,Plg0°,Azm84°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S180°,δ45°,λ98°. NP2:ϕ_S349°,δ45°,λ82°.

		(153) South Sandwich Islands region						
ISC	**V**	**29 00 12 33**±2.5	**55.77S**±.060	**27.1W**±.13	**57**±23	**5.1b,4.8s**	**145**	**17-169**
BJI	V	29 00 12 30.2	55.70S	26.80W	33	5.5s		¶97v4788
NEIC	V	29 00 12 30.2	55.65S	26.81W	33	5.2b,4.8s		
MOS	V	29 00 12 30.8	55.7S	26.9W	33	5.6b,4.8s		
EIDC	V	29 00 12 31.0	55.7S	26.9W	28	5.1b,4.5s		
HRVD	V	29 00 12 36.7±.3	55.55S±.04	27.07W±.06	32±2.7			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c57; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}8.52±.39; $M_{\theta\theta}$−4.73±.48; $M_{\phi\phi}$−3.78±.49; $M_{r\theta}$−2.60±.91; $M_{r\phi}$6.78±1.00; $M_{\theta\phi}$7.37±.48. Principal Axes: T 11.6,Plg65°,Azm276°; N 2.1, Plg18°,Azm142°; P −13.6,Plg17°,Azm46°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S111°,δ32°,λ55°. NP2:ϕ_S331°,δ64°,λ110°.

		(692) Southern Pacific Ocean						
ISC	**V**	**29 17 02 38.9**±.19	**35.94S**±.038	**102.50W**±.051	**10**	**5.5b,6.2s**	**407**	**25-176**
EIDC	V	29 17 02 38.1	35.9S	102.5W	0	5.3b,6.0s		¶97v4902
BJI	V	29 17 02 38.7	35.90S	102.50W	10	6.4s		
NEIC	V	29 17 02 38.7	35.96S	102.51W	10	5.6b,6.1s		
MOS	V	29 17 02 41.2	35.5S	102.3W	10	5.9b,6.1s		
HRVD	V	29 17 02 45.7±.1	36.03S±.01	102.41W±.01	15			

NEIC Mw6.5(HRV), Ms6.2(BRK).

NEIC Mw 6.4 (GS). Mo=6.4×10^{18}Nm (PPT).

NEIC Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}0.24; $M_{\theta\theta}$−0.33; $M_{\phi\phi}$0.09; $M_{r\theta}$−0.10; $M_{r\phi}$−0.40; $M_{\theta\phi}$−4.45. Depth 28km; Principal axes: T 4.34,Plg3°,Azm46°; N 0.25,Plg85°, Azm173°; P −4.60,Plg4°,Azm316°. Best double couple: $M_0$4.5×10^{18}Nm; NP1:ϕ_S91°,δ85°, λ−179°. NP2:ϕ_S1°,δ89°,λ−5°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c157; Mantle waves: s63,c143; Half duration: 4s0. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.68±.03; $M_{\theta\theta}$−0.57±.03; $M_{\phi\phi}$1.25±.03; $M_{r\theta}$0.41±.10; $M_{r\phi}$−0.96±.11; $M_{\theta\phi}$−5.70±.02. Principal Axes: T 6.26,Plg8°,Azm50°; N −0.81,Plg81°,Azm204°; P −5.46,Plg4°,Azm319°. Best double couple: $M_0$5.9×10^{18}Nm, NP1:ϕ_S94°,δ82°,λ177°. NP2:ϕ_S185°,δ87°,λ8°.

		(238) Ryūkyū Islands						
ISC	**VI**	**01 15 02 39.1**±.15	**27.04N**±.021	**129.57E**±.025	**39**±1.0*	**5.2b,5.4s**	**407**	**1-174**
JMA	VI	01 15 02 36.5±.1	26.90N±.01	129.57E±.01	67±5	5.4		¶97vi0104
BJI	VI	01 15 02 37.7	27.03N	129.44E	31	5.1b,5.7s		
NEIC	VI	01 15 02 38.6	26.98N	129.54E	33	5.5b,5.1s		
EIDC	VI	01 15 02 38.8	26.9N	129.6E	29	4.6b,4.8s		
HRVD	VI	01 15 02 40.4±.2	26.89N±.03	129.46E±.03	18±1.3			
MOS	VI	01 15 02 40.5	27.4N	129.4E	33	5.6b,5.8s		

NEIC Mw5.6(GS), Mw5.6(HRV).

NEIC Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}−1.43; $M_{\theta\theta}$1.13; $M_{\phi\phi}$0.30; $M_{r\theta}$1.55; $M_{r\phi}$2.49; $M_{\theta\phi}$0.38. Depth 17km; Principal axes: T 2.95,Plg33°,Azm314°; N 0.50,Plg10°,Azm218°; P −3.45,Plg55°,Azm114°. Best double couple: $M_0$3.2×10^{17}Nm; NP1:ϕ_S78°,δ15°,λ−49°. NP2: ϕ_S216°,δ79°,λ−100°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c81; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.05±.06; $M_{\theta\theta}$0.84±.05; $M_{\phi\phi}$1.21±.08; $M_{r\theta}$0.87±.16; $M_{r\phi}$0.91±.16; $M_{\theta\phi}$1.23±.05. Principal Axes: T 2.61,Plg15°,Azm311°; N −0.22, Plg1°,Azm42°; P −2.39,Plg75°,Azm137°. Best double couple: $M_0$2.5×10^{17}Nm, NP1:ϕ_S39°, δ30°,λ−93°. NP2:ϕ_S222°,δ60°,λ−88°.

		(238) Ryūkyū Islands						
ISC	**VI**	**02 19 19 21.6**±.17	**27.06N**±.022	**129.56E**±.026	**39**±1.4*	**5.0b,5.4s**	**350**	**1-174**
JMA	VI	02 19 19 18.7±.1	26.88N±.01	129.60E±.01	80±4	5.4		¶97vi0291
BJI	VI	02 19 19 20.2	26.87N	129.49E	40	5.0b,5.7s		
NEIC	VI	02 19 19 21.2	27.05N	129.34E	33	5.1b,5.2s		
HRVD	VI	02 19 19 21.7±.5	27.00N±.05	129.85E±.05	21			
EIDC	VI	02 19 19 23.5	27.0N	129.4E	41	4.5b,4.1L		
MOS	VI	02 19 19 25.1	27.7N	129.2E	33	5.7b,5.7s		

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c52; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.50±.06; $M_{\theta\theta}$0.28±.05; $M_{\phi\phi}$1.22±.08; $M_{r\theta}$−0.16±.11; $M_{r\phi}$0.03±.12; $M_{\theta\phi}$0.70±.05. Principal Axes: T 1.60,Plg1°,Azm118°; N −0.08, Plg6°,Azm208°; P −1.52,Plg84°,Azm19°. Best double couple: $M_0$1.6×10^{17}Nm, NP1:ϕ_S202°, δ44°,λ−99°. NP2:ϕ_S34°,δ46°,λ−81°.

		(153) South Sandwich Islands region						
ISC	**VI**	**02 21 24 39.0**±.16	**57.86S**±.035	**25.64W**±.079	**33**	**5.7b,5.8s**	**467**	**15-177**
BJI	VI	02 21 24 36.6	57.99S	24.83W	28	6.1s		¶97vi0332
NEIC	VI	02 21 24 38.4	57.78S	25.47W	33	5.9b,5.8s		
MOS	VI	02 21 24 39.5	57.8S	25.0W	33	6.3b,5.7s		
EIDC	VI	02 21 24 41.8	57.9S	25.6W	52	5.5b,5.6s		
HRVD	VI	02 21 24 45.6±.1	57.96S±.01	25.03W±.01	27			

NEIC Mw6.1(GS), Me5.8(GS).

NEIC Mw 6.1 (HRV).

NEIC Radiated energy from the P−wave first−motion solution: 1.3±0.2×10^{13}Nm/11

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S355°,δ60°,λ95°. NP2:ϕ_S165°,δ30°,λ81°. Principal axes: T Plg74°,Azm278°; P Plg15°,Azm81°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}9.50; $M_{\theta\theta}$−1.30; $M_{\phi\phi}$−8.20; $M_{r\theta}$−2.50; $M_{r\phi}$8.20; $M_{\theta\phi}$5.90. Depth 26km; Principal axes: T 12.7,Plg69°,Azm268°; N 1.8,Plg8°, Azm155°; P −14.5,Plg19°,Azm63°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S139°,δ27°, λ71°. NP2:ϕ_S339°,δ65°,λ99°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c141; Mantle waves: s48,c87; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}1.33±.01; $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$−1.39±.01; $M_{r\theta}$0.04±.03; $M_{r\phi}$0.78±.03; $M_{\theta\phi}$0.43±.01. Principal Axes: T 1.55,Plg73°,Azm291°; N 0.14,Plg9°,Azm169°; P −1.69,Plg14°,Azm77°. Best double couple: $M_0$1.6×10^{18}Nm, NP1:ϕ_S154°,δ32°,λ73°. NP2:ϕ_S354°,δ60°,λ100°.

		(705) Off west coast of Northern Sumatera						
ISC	**VI**	**06 03 47 31**±1.3	**2.78N**±.057	**95.86E**±.059	**53**±12	**4.9b,4.7s**	**128**	**3-159**
BJI	VI	06 03 47 26.8	2.73N	95.81E	23	5.2b,5.0s		¶97vi0879
KLM	VI	06 03 47 27	2.8N	97.5E	22	4.2L		
NEIC	VI	06 03 47 27.3	2.82N	95.79E	22	4.9b,4.7s		
EIDC	VI	06 03 47 28.7	2.8N	95.9E	20	4.6b,4.3s		
MOS	VI	06 03 47 29.3	2.8N	95.9E	33	5.5b,4.5s		
KLM		Mb4.9						

		(210) South of the Marianas						
ISC	**VI**	**06 06 25 37**±1.2	**12.51N**±.060	**141.58E**±.058	**53**±11	**4.8b,4.2s**	**83**	**3-158**
BJI	VI	06 06 25 33.9	12.50N	141.72E	33	4.9b,4.3s		¶97vi0895
NEIC	VI	06 06 25 34.3	12.50N	141.51E	31	5.3b,4.3s		
MOS	VI	06 06 25 34.7	12.5N	141.5E	33	5.5b		
EIDC	VI	06 06 25 35.8	12.5N	141.7E	30	4.5b,3.7s		

		(189) Loyalty Islands region						
ISC	**VI**	**09 07 24 13**±1.4	**21.32S**±.043	**171.53E**±.062	**35**±12	**5.0b,5.6s**	**282**	**5-165**
EIDC	VI	09 07 24 09.8	21.2S	171.5E	0	4.7b,5.2s		¶97vi1347
BJI	VI	09 07 24 11.3	21.42S	171.83E	32	5.0b,5.7s		
NEIC	VI	09 07 24 12.3	21.33S	171.54E	33	5.4b,5.6s		
MOS	VI	09 07 24 12.8	21.3S	171.7E	33	5.6b,5.6s		
HRVD	VI	09 07 24 15.4±.1	21.24S	171.60E	15			

NEIC Mw6.0(HRV), Mw5.9(GS).

NEIC Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}1.21; $M_{\theta\theta}$7.17; $M_{\phi\phi}$−8.40; $M_{r\theta}$−0.03; $M_{r\phi}$−0.01; $M_{\theta\phi}$2.97. Depth 16km; Principal axes: T 7.72,Plg0°,Azm170°; N 1.23,Plg90°, Azm359°; P −8.95,Plg0°,Azm260°. Best double couple: $M_0$8.3×10^{17}Nm; NP1:ϕ_S305°,δ90°, λ0°. NP2:ϕ_S215°,δ90°,λ180°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s58,c119; Mantle

waves: s9,c15; Half duration: 2s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.16±.10; $M_{\theta\theta}$9.44±.11; $M_{\phi\phi}$−8.28±.13; $M_{r\theta}$2.27±.35; $M_{r\phi}$−2.30±.29; $M_{\theta\phi}$3.62±.10. Principal Axes: T 10.4,Plg9°,Azm350°; N −0.6,Plg70°,Azm106°; P −9.9,Plg18°,Azm257°. Best double couple: $M_0$1.0×10^{18}Nm, NP1:ϕ_S35°,δ71°,λ−174°. NP2:ϕ_S303°,δ84°,λ−19°.

(684) Easter Island Cordillera

ISC	**VI**	**10 21 53 55.6**±.24	**35.75S**±.045	**108.10W**±.050	**10**	**5.6b,6.2s**	**420**	**30-177**
BJI	VI	10 21 53 54.3	35.69S	108.07W	9	6.5s		**¶97vi1570**
NEIC	VI	10 21 53 55.0	35.81S	108.14W	10	5.8b,6.1s		
MOS	VI	10 21 53 56.1	35.6S	108.1W	10	5.9b,6.0s		
EIDC	VI	10 21 53 59.3	35.7S	108.1W	28	5.1b,6.0s		
HRVD	VI	10 21 54 02.8±.1	35.92S±.01	107.96W±.01	15			

NEIC Me7.0(GS), Mw6.5(GS).
NEIC Mw 6.5 (HRV). Ms 5.8 (BRK). Mo=1.3×10^{19}Nm (PPT).
NEIC Radiated energy from the P−wave first−motion solution: 6.8±1.5×10^{14}Nm/16
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ85°,λ180°. NP2:ϕ_S345°,δ90°,λ−5°. Principal axes: T Plg4°,Azm30°; P Plg4°,Azm300°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s33, scale 10^{18}Nm; M_{rr}0.12; $M_{\theta\theta}$3.38; $M_{\phi\phi}$−3.50; $M_{r\theta}$0.48; $M_{r\phi}$0.31; $M_{\theta\phi}$−6.07. Depth 9km; Principal axes: T 6.93,Plg2°,Azm30°; N 0.14,Plg85°,Azm272°; P −7.07,Plg4°,Azm120°. Best double couple: $M_0$7.0×10^{18}Nm; NP1:ϕ_S165°,δ86°,λ−1°. NP2: ϕ_S255°,δ89°,λ−176°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s70,c165; Mantle waves: s67,c165; Half duration: 4s6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.35±.03; $M_{\theta\theta}$4.24±.03; $M_{\phi\phi}$−3.89±.03; $M_{r\theta}$0.43±.12; $M_{r\phi}$−1.00±.11; $M_{\theta\phi}$−6.02±.03. Principal Axes: T 7.53,Plg6°,Azm28°; N −0.37,Plg82°,Azm165°; P −7.16,Plg6°,Azm298°. Best double couple: $M_0$7.3×10^{18}Nm, NP1:ϕ_S73°,δ82°,λ180°. NP2:ϕ_S163°,δ90°,λ8°.

(153) South Sandwich Islands region

ISC	**VI**	**15 13 01 11.0**±.32	**56.90S**±.059	**25.0W**±.14	**33**	**4.9b,4.9s**	**139**	**16-176**
EIDC	VI	15 13 01 07.2	56.9S	25.1W	0	4.8b,4.7s		**¶97vi2300**
BJI	VI	15 13 01 10.2	56.64S	25.36W	33	5.7s		
NEIC	VI	15 13 01 10.8	56.85S	24.96W	33	5.0b,4.9s		
MOS	VI	15 13 01 11.5	56.9S	25.0W	33	5.2b,4.7s		
HRVD	VI	15 13 01 14.5±.2	57.24S±.04	24.83W±.06	15			

NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c68; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.03; $M_{\theta\theta}$0.08±.04; $M_{\phi\phi}$−1.03±.04; $M_{r\theta}$−0.49±.09; $M_{r\phi}$0.92±.13; $M_{\theta\phi}$0.25±.03. Principal Axes: T 1.42,Plg65°,Azm229°; N 0.08, Plg9°,Azm340°; P −1.50,Plg23°,Azm74°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S182°, δ24°,λ114°. NP2:ϕ_S336°,δ68°,λ80°.

(193) Solomon Islands

ISC	**VI**	**15 17 06 17**±2.5	**7.14S**±.044	**155.69E**±.049	**22**±18	**5.1b,5.0s**	**208**	**5-161**
NEIC	VI	15 17 06 18.8	7.15S	155.67E	33	5.0b,5.2s		**¶97vi2333**
BJI	VI	15 17 06 19.3	7.04S	155.73E	33	5.2b,5.0s		
MOS	VI	15 17 06 19.5	7.2S	155.7E	35	5.6b,5.0s		
EIDC	VI	15 17 06 20.9	7.2S	155.8E	40	4.8b,4.7s		
HRVD	VI	15 17 06 23.1±.2	7.46S±.02	155.58E±.02	34±1.3			

NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s61,c104; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.73±.03; $M_{\theta\theta}$−1.33±.04; $M_{\phi\phi}$−0.40±.05; $M_{r\theta}$0.89±.07; $M_{r\phi}$−0.38±.06; $M_{\theta\phi}$0.92±.03. Principal Axes: T 1.98,Plg75°,Azm13°; N 0.15, Plg4°,Azm120°; P −2.13,Plg14°,Azm211°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S307°,δ31°,λ98°. NP2:ϕ_S117°,δ59°,λ85°.

(193) Solomon Islands

ISC	**VI**	**15 17 51 14**±1.4	**7.20S**±.055	**155.63E**±.058	**43**±14	**4.8b,4.5s**	**111**	**5-161**
NEIC	VI	15 17 51 13.1	7.17S	155.57E	33	4.7b		**¶97vi2337**
BJI	VI	15 17 51 13.6	7.09S	155.66E	36	5.1b,4.7s		
MOS	VI	15 17 51 13.7	7.1S	155.6E	34	5.5b		
EIDC	VI	15 17 51 17.7	7.3S	155.6E	60	4.3b,4.4s		

(7) Andreanof Islands

ISC	**VI**	**17 21 03 40.5**±.11	**51.31N**±.024	**179.31W**±.025	**33**	**6.2b,6.2s**	**819**	**2-160**
EIDC	VI	17 21 03 36.2	51.3N	179.2W	0	6.1b,6.1s		**¶97vi2690**
BJI	VI	17 21 03 39.4	51.34N	179.30W	33	6.1b,6.4s		
NEIC	VI	17 21 03 40.2	51.35N	179.33W	33	6.4b,6.3s		
MOS	VI	17 21 03 40.5	51.4N	179.3W	33	6.6b,6.2s		
HRVD	VI	17 21 03 44.7±.1	51.31N±.01	179.20W±.01	28			

NEIC M_L6.6(PMR), Mw6.4(HRV)
NEIC Radiated energy from the P−wave first−motion solution: 2.2±0.4×10^{13}Nm/22
NEIC Mw 6.3 (GS), 6.3 (CSEM). Me 6.0 (GS). Felt I=IV MM on Adak. Also felt on Amchitka. Mo=3.1×10^{18}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S177°,δ73°,λ−90°. NP2:ϕ_S357°,δ17°,λ−90°. Principal axes: T Plg28°,Azm267°; P Plg62°,Azm87°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s60, scale 10^{18}Nm; M_{rr}−1.18; $M_{\theta\theta}$−0.01; $M_{\phi\phi}$1.19; $M_{r\theta}$−0.54; $M_{r\phi}$2.43; $M_{\theta\phi}$−0.09. Depth 21km; Principal axes: T 2.76,Plg32°,Azm261°; N 0.00,Plg3°, Azm169°; P −2.76,Plg58°,Azm74°. Best double couple: $M_0$2.8×10^{18}Nm; NP1:ϕ_S3°,δ13°, λ−76°. NP2:ϕ_S168°,δ77°,λ−93°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s67,c166; Mantle waves: s54,c97; Half duration: 3s7. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.64±.01; $M_{\theta\theta}$−0.23±.01; $M_{\phi\phi}$1.87±.01; $M_{r\theta}$−0.17±.04; $M_{r\phi}$3.98±.04; $M_{\theta\phi}$−0.67±.01. Principal Axes: T 4.55,Plg33°,Azm261°; N −0.31,Plg7°,Azm355°; P −4.25,Plg57°,Azm96°. Best double couple: $M_0$4.4×10^{18}Nm, NP1:ϕ_S326°,δ14°,λ−120°. NP2:ϕ_S177°,δ78°,λ−83°.

(132) Santiago del Estero Province, Argentina

ISC	**VI**	**17 22 14 17**±1.3	**27.71S**±.035	**64.74W**±.038	**27**±9.6	**5.5b,5.4s**	**275**	**4-177**
NEIC	VI	17 22 14 17.3	27.74S	64.75W	28	5.6b,5.5s		**¶97vi2697**
BJI	VI	17 22 14 18.2	27.58S	64.73W	37	5.9s		
MOS	VI	17 22 14 18.6	27.6S	64.8W	33	5.7b		
EIDC	VI	17 22 14 18.6	27.8S	64.9W	25	5.2b,5.1L		
HRVD	VI	17 22 14 23.4±.6	27.99S±.11	64.74W±.07	40±7.0			

NEIC Mw5.6(HRV)
NEIC Minor damage in Tucuman Province. Felt in parts of Catamarca, Santiago del Estero and Tucuman Provinces.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c25; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}2.99±.27; $M_{\theta\theta}$−1.47±.47; $M_{\phi\phi}$−1.52±.30; $M_{r\theta}$1.88±.79; $M_{r\phi}$−0.16±.51; $M_{\theta\phi}$−0.06±.27. Principal Axes: T 3.69,Plg70°,Azm6°; N −1.53, Plg2°,Azm271°; P −2.16,Plg20°,Azm180°. Best double couple: $M_0$2.9×10^{17}Nm, NP1: ϕ_S267°,δ25°,λ86°. NP2:ϕ_S91°,δ65°,λ92°.

(246) South-western Ryūkyū Islands

ISC	**VI**	**19 10 05 19.9**±.41	**24.83N**±.031	**125.38E**±.029	**49**±3.6	**5.2b,4.5s**	**321**	**0-169**
BJI	VI	19 10 05 18.6	24.76N	125.48E	50	4.7L,5.1b		**¶97vi2893**
MOS	VI	19 10 05 19.4	25.0N	125.4E	41	5.8b,4.6s		
NEIC	VI	19 10 05 19.9	24.85N	125.29E	49	5.3b,4.8s		
HRVD	VI	19 10 05 20.1±.5	24.71N±.07	125.41E±.11	46±7.4			
JMA	VI	19 10 05 20.2±.1	24.92N±.06	125.35E±.04	53	4.7		
EIDC	VI	19 10 05 21.6	24.9N	125.4E	52	4.7b,3.9s		

BJI Ms4.5
NEIC Mw5.0(HRV).
NEIC Felt on Miyako-jima.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.88±.42; $M_{\theta\theta}$−2.87±.42; $M_{\phi\phi}$−0.02±.72; $M_{r\theta}$2.54±.89; $M_{r\phi}$0.14±.68; $M_{\theta\phi}$−1.63±.44. Principal Axes: T 3.90,Plg67°,Azm18°; N 0.49, Plg14°,Azm254°; P −4.39,Plg18°,Azm159°. Best double couple: $M_0$4.2×10^{16}Nm, NP1: ϕ_S228°,δ29°,λ61°. NP2:ϕ_S80°,δ65°,λ105°.

JMA Felt I= IV J1

(7) Andreanof Islands

ISC	**VI**	**20 02 33 55.1**±.23	**51.41N**±.047	**173.76W**±.039	**41**±1.3*	**5.2b,4.8s**	**349**	**2-153**
BJI	VI	20 02 33 53.5	51.55N	174.00W	33	5.3b,5.2s		**¶97vi2993**
EIDC	VI	20 02 33 53.6	51.5N	173.8W	22	4.5b,3.9s		
NEIC	VI	20 02 33 54.3	51.48N	173.68W	33	5.3b,4.8s		
MOS	VI	20 02 33 54.9	51.6N	173.7W	33	5.7b,4.9s		
HRVD	VI	20 02 33 56.1±.5	51.44N±.05	173.85W±.10	16±3.0			

NEIC M_L5.4(PMR), Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c60; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}5.80±.29; $M_{\theta\theta}$−5.01±.30; $M_{\phi\phi}$−0.79±.32; $M_{r\theta}$7.98±2.07; $M_{r\phi}$5.55±1.70; $M_{\theta\phi}$−2.83±.46. Principal Axes: T 11.2,Plg61°,Azm320°; N 0.5, Plg4°,Azm57°; P −11.8,Plg29°,Azm150°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S252°, δ17°,λ105°. NP2:ϕ_S56°,δ74°,λ85°.

(348) Iran

ISC	**VI**	**20 12 57 36.2**±.71	**32.33N**±.036	**60.02E**±.022	**35**±7.0	**4.9b,5.4s**	**291**	**6-140**
EIDC	VI	20 12 57 31.5	32.1N	59.9E	0	4.7b,5.1s		**¶97vi3061**
MOS	VI	20 12 57 31.7	32.2N	60.0E	10	5.4b,5.3s		
BJI	VI	20 12 57 31.9	32.40N	59.97E	8	5.0b,5.6s		
NEIC	VI	20 12 57 32.3	32.33N	59.96E	10	5.0b,5.4s		
HRVD	VI	20 12 57 35.7±.2	32.19N±.03	59.97E±.03	15			

NEIC Mw5.6(HRV)
NEIC Sixty houses destroyed in Khorasan Province.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c83; Mantle waves: s3,c4; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.20±.04; $M_{\theta\theta}$0.86±.06; $M_{\phi\phi}$−0.66±.05; $M_{r\theta}$−0.10±.17; $M_{r\phi}$0.03±.17; $M_{\theta\phi}$2.30±.04. Principal Axes: T 2.52,Plg1°,Azm144°; N −0.20,Plg87°,Azm268°; P −2.32,Plg2°,Azm54°. Best double couple: $M_0$2.4×10^{17}Nm, NP1:ϕ_S189°,δ87°,λ−179°. NP2:ϕ_S99°,δ89°,λ−3°.

(215) Marianas region

ISC	**VI**	**21 04 18 58**±1.2	**17.04N**±.032	**147.26E**±.045	**42**±11	**4.8b,4.9s**	**207**	**4-165**
EIDC	VI	21 04 18 55.0	17.0N	147.4E	17	4.6b,4.2s		**¶97vi3157**
BJI	VI	21 04 18 56.6	16.99N	147.52E	50	5.0b,4.9s		
NEIC	VI	21 04 18 58.1	17.04N	147.23E	48	4.9b,5.0s		
MOS	VI	21 04 18 58.3	17.0N	147.3E	52	5.5b,4.8s		
HRVD	VI	21 04 18 59.8±.5	17.30N±.07	148.04E±.07	15			

NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c44; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}6.54±.34; $M_{\theta\theta}$1.13±.53; $M_{\phi\phi}$−7.67±.46; $M_{r\theta}$6.94±1.64; $M_{r\phi}$1.47±2.02; $M_{\theta\phi}$−1.45±.37. Principal Axes: T 11.3,Plg56°,Azm358°; N −2.8,Plg31°,Azm206°; P −8.5,Plg13°,Azm108°. Best double couple: $M_0$9.9×10^{16}Nm, NP1: ϕ_S164°,δ42°,λ39°. NP2:ϕ_S43°,δ65°,λ124°.

(267) Djailolo Gilolo (Halmahera)

ISC	**VI**	**24 23 04 53.7**±.65	**1.89S**±.023	**127.93E**±.027	**42**±6.1	**5.8b,6.0s**	**476**	**3-167**
BJI	VI	24 23 04 51.8	1.94S	128.10E	33	5.9b,6.1s		**¶97vi3795**
NEIC	VI	24 23 04 53.1	1.92S	127.90E	33	5.9b,6.1s		
MOS	VI	24 23 04 53.5	1.8S	127.9E	33	6.4b,5.8s		
EIDC	VI	24 23 04 53.7	1.9S	128.0E	27	5.6b,5.8s		
HRVD	VI	24 23 04 58.0±.1	1.83S±.01	127.94E±.01	20±.5			

NEIC Mw6.4(HRV), Me6.4(GS).
NEIC Mw 6.2 (GS). Ms 6.1 (BRK).
NEIC Radiated energy from the P−wave first−motion solution: 1.0±0.2×10^{14}Nm/17
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S250°,δ55°,λ60°. NP2:ϕ_S115°,δ45°,λ126°. Principal axes: T Plg65°,Azm103°; P Plg6°,Azm1°. Two events about 3.0 seconds apart. Depth from broadband displacement seismograms based on first event.
NEIC Moment tensor solution: s28, scale 10^{18}Nm; M_{rr}1.69; $M_{\theta\theta}$−1.63; $M_{\phi\phi}$−0.06; $M_{r\theta}$−0.40; $M_{r\phi}$−0.83; $M_{\theta\phi}$1.06. Depth 15km; Principal axes: T 2.19,Plg62°,Azm116°; N −0.02,Plg28°, Azm297°; P −2.17,Plg0°,Azm207°. Best double couple: $M_0$2.2×10^{18}Nm; NP1:ϕ_S271°,δ51°, λ53°. NP2:ϕ_S142°,δ52°,λ127°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s66,c144; Mantle waves: s50,c95; Half duration: 3s8. Moment tensor: Scale 10^{18}Nm; M_{rr}2.90±.03; $M_{\theta\theta}$−2.10±.02; $M_{\phi\phi}$−0.80±.03; $M_{r\theta}$1.13±.08; $M_{r\phi}$−1.89±.09; $M_{\theta\phi}$2.47±.02. Principal Axes: T 3.70,Plg68°,Azm87°; N 0.88,Plg16°,Azm314°; P −4.58,Plg16°,Azm220°. Best double couple: $M_0$4.1×10^{18}Nm, NP1:ϕ_S288°,δ32°,λ60°. NP2:ϕ_S143°,δ62°,λ108°.

(169) Samoa region

ISC	**VI**	**25 03 54 12.2**±.20	**16.07S**±.049	**172.97W**±.047	**33**±2.6*	**5.0b,5.4s**	**343**	**2-165**
NEIC	VI	25 03 54 12.2	16.02S	173.05W	33	5.1b,5.4s		**¶97vi3838**
EIDC	VI	25 03 54 12.6	15.9S	172.9W	26	4.7b,5.4s		
BJI	VI	25 03 54 13.5	16.02S	173.03W	36	5.1b,5.5s		
MOS	VI	25 03 54 15.8	16.0S	173.8W	33	5.6b,5.3s		
HRVD	VI	25 03 54 17.7±.1	15.98S±.02	172.45W±.02	15			

NEIC Mw5.8(HRV).
NEIC Mo=1.2×10^{18}Nm (PPT).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c104; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}4.41±.06; $M_{\theta\theta}$−0.46±.07; $M_{\phi\phi}$−3.95±.08; $M_{r\theta}$1.98±.19; $M_{r\phi}$3.89±.22; $M_{\theta\phi}$−0.42±.06. Principal Axes: T 6.36,Plg66°,Azm306°; N −0.64, Plg8°,Azm197°; P −5.72,Plg23°,Azm104°. Best double couple: $M_0$6.0×10^{17}Nm, NP1: ϕ_S177°,δ23°,λ68°. NP2:ϕ_S21°,δ68°,λ99°.

(232) Southern Honshū

ISC	**VI**	**25 09 50 13.4**±.62	**34.42N**±.017	**131.60E**±.017	**13**±4.0	**5.4b,5.8s**	**587**	**0-169**
EIDC	VI	25 09 50 12.1	34.3N	131.7E	0	4.7b,5.6s		**¶97vi3882**
BJI	VI	25 09 50 12.4	34.43N	131.67E	11	5.5b,6.0s		
NEIC	VI	25 09 50 12.4	34.40N	131.60E	10	5.5b,5.6s		
JMA	VI	25 09 50 12.7±.1	34.44N±.01	131.67E±.01	8±3	6.3		
MOS	VI	25 09 50 15.4	34.5N	131.6E	27	5.7b,5.9s		
HRVD	VI	25 09 50 16.7±.1	34.43N±.01	131.35E±.02	15			

NEIC Mw5.9(GS), Mw5.9(HRV). Casualties I=VII MM, landslide/avalanche observed.
NEIC One person slightly injured in Yamaguchi Prefecture. Felt I=V J in western Shimane and IV J in northern Hiroshima and eastern Shimane Prefectures. A landslide occurred near Masuda.
NEIC Moment tensor solution: s18, scale 10^{17}Nm; M_{rr}0.38; $M_{\theta\theta}$8.61; $M_{\phi\phi}$−8.99; $M_{r\theta}$0.64; $M_{r\phi}$−1.50; $M_{\theta\phi}$−1.78. Depth 12km; Principal axes: T 8.86,Plg5°,Azm6°; N 0.52,Plg80°, Azm129°; P −9.38,Plg8°,Azm275°. Best double couple: $M_0$9.1×10^{17}Nm; NP1:ϕ_S51°,δ80°, λ−178°. NP2:ϕ_S321°,δ88°,λ−10°.
JMA Felt I= V J1
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c99; Mantle waves: s9,c18; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.53±.07; $M_{\theta\theta}$6.54±.08; $M_{\phi\phi}$−6.01±.09; $M_{r\theta}$2.38±.25; $M_{r\phi}$0.63±.21; $M_{\theta\phi}$−0.64±.07. Principal Axes: T 7.28,Plg17°,Azm2°; N −1.13,Plg71°,Azm210°; P −6.15,Plg8°,Azm94°. Best double couple: $M_0$6.7×10^{17}Nm, NP1:ϕ_S139°,δ72°,λ6°. NP2:ϕ_S47°,δ84°,λ162°.

(348) Iran

ISC	**VI**	**25 19 38 44.3**±.69	**33.94N**±.033	**59.45E**±.020	**35**±6.6	**5.4b,5.8s**	**541**	**4-150**
CSEM	VI	25 19 38 39.4	34.00N	59.43E	5			**¶97vi4015**
NEIC	VI	25 19 38 40.6	33.94N	59.48E	10	5.5b,5.8s		
BJI	VI	25 19 38 40.8	33.99N	59.58E	6	5.5b,6.2s		
MOS	VI	25 19 38 41.0	34.0N	59.4E	10	4.7b,5.7s		
HRVD	VI	25 19 38 45.6±.1	34.04N±.02	59.43E±.02	15			
EIDC	VI	25 19 38 46.7	33.9N	59.4E	43	5.0b,5.6s		

CSEM Mw5.7. M_0=4.6±2.8×10^{17}Nm. Fault plane solution NP1:ϕ_S271°,δ80°,λ−11°. NP2:ϕ_S3°,δ79°, λ−170°. Principal Axes: T Plg15°,Azm227°; N Plg75°,Azm49°; P Plg1°,Azm317°.
NEIC Me6.0(GS), Mw5.9(GS)

Agency Origin Time φ λ h Mag n Δ-Rng
mo d h m s ° ° km °

NEIC Radiated energy from the P−wave first−motion solution: 2.0±0.3×10^{13}Nm/9
NEIC Mw 5.9 (HRV). About 100 houses destroyed, 5,000 others damaged and some livestock killed in the Birjand-Qayen area.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S0°,δ83°,λ177°. NP2:ϕ_S90°,δ87°,λ7°. Principal axes: T Plg7°,Azm315°; P Plg3°,Azm225°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−0.87; $M_{\theta\theta}$1.29; $M_{\phi\phi}$−0.41; $M_{r\theta}$0.66; $M_{r\phi}$1.24; $M_{\theta\phi}$7.56. Depth 14km; Principal axes: T 8.23,Plg8°,Azm318°; N −1.03,Plg81°, Azm167°; P −7.20,Plg4°,Azm49°. Best double couple: $M_0$7.7×10^{17}Nm; NP1:ϕ_S93°,δ81°,λ3°. NP2:ϕ_S3°,δ87°,λ171°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c104; Mantle waves: s11,c15; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.10; $M_{\theta\theta}$−0.10±.15; $M_{\phi\phi}$−0.86±.12; $M_{r\theta}$−2.32±.43; $M_{r\phi}$−1.12±.36; $M_{\theta\phi}$6.88±.10. Principal Axes: T 7.36,Plg21°,Azm138°; N 0.08,Plg68°,Azm302°; P −7.44,Plg6°,Azm46°. Best double couple: $M_0$7.4×10^{17}Nm, NP1:ϕ_S180°,δ71°,λ169°. NP2:ϕ_S273°,δ79°,λ19°.

(83) South of Panama

ISC	**VI**	**26 06 12 10.7**±.20	**4.89N**±.030	**82.60W**±.032	**10**	**5.1b,5.1s**	**261**	**3-157**
MOS	VI	26 06 12 09.3	4.8N	82.8W	10	5.4b,4.9s		**¶97vi4093**
EIDC	VI	26 06 12 10.0	4.8N	82.5W	0	4.9b,5.0s		
BJI	VI	26 06 12 10.3	4.80N	82.60W	10	5.9s		
NEIC	VI	26 06 12 10.3	4.87N	82.61W	10	5.2b,5.1s		
HRVD	VI	26 06 12 16.7±.1	4.81N±.02	82.52W±.01	15			

NEIC Mw5.8(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c118; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.06; $M_{\theta\theta}$0.34±.08; $M_{\phi\phi}$−0.56±.10; $M_{r\theta}$1.50±.22; $M_{r\phi}$0.42±.26; $M_{\theta\phi}$5.81±.06. Principal Axes: T 6.05,Plg13°,Azm318°; N −0.04, Plg75°,Azm111°; P −6.01,Plg7°,Azm226°. Best double couple: $M_0$6.0×10^{17}Nm, NP1:ϕ_S2°, δ76°,λ175°. NP2:ϕ_S93°,δ85°,λ14°.

(684) Easter Island Cordillera

ISC	**VI**	**26 19 21 08.5**±.23	**49.76S**±.054	**114.65W**±.087	**10**	**5.2b,6.0s**	**304**	**23-172**
BJI	VI	26 19 21 07.3	49.62S	114.51W	11	6.1s		**¶97vi4192**
EIDC	VI	26 19 21 08.5	50.0S	114.4W	0	5.0b,6.1s		
NEIC	VI	26 19 21 08.8	49.69S	114.57W	10	5.4b,6.0s		
MOS	VI	26 19 21 10.1	49.5S	114.6W	10	5.8b,5.9s		
HRVD	VI	26 19 21 16.7±.1	49.81S±.01	115.06W±.01	15			

NEIC Mw6.3(GS), Mw6.2(HRV).
NEIC M_0=4.6×10^{18}Nm (PPT).
NEIC Moment tensor solution: s24, scale 10^{18}Nm; M_{rr}0.18; $M_{\theta\theta}$1.48; $M_{\phi\phi}$−1.66; $M_{r\theta}$−0.18; $M_{r\phi}$0.41; $M_{\theta\phi}$2.33. Depth 7km; Principal axes: T 2.71,Plg1°,Azm332°; N 0.25,Plg82°, Azm236°; P −2.96,Plg8°,Azm62°. Best double couple: $M_0$2.8×10^{18}Nm; NP1:ϕ_S107°,δ84°, λ−5°. NP2:ϕ_S197°,δ85°,λ−174°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c142; Mantle waves: s61,c113; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}0.08±.01; $M_{\theta\theta}$0.66±.01; $M_{\phi\phi}$−0.74±.01; $M_{r\theta}$0.19±.04; $M_{r\phi}$0.23±.04; $M_{\theta\phi}$1.95±.01. Principal Axes: T 2.08,Plg8°,Azm325°; N 0.05,Plg82°,Azm159°; P −2.12,Plg2°,Azm55°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_S100°,δ83°,λ4°. NP2:ϕ_S10°,δ86°,λ173°.

(405) Azores

ISC	**VI**	**27 04 39 52.6**±.15	**38.25N**±.026	**26.71W**±.018	**10**	**5.5b,5.6s**	**597**	**1-173**
NEIC	VI	27 04 39 52.7	38.33N	26.68W	10	5.6b,5.4s		**¶97vi4241**
MOS	VI	27 04 39 52.8	38.3N	26.7W	10	6.1b,5.6s		
BJI	VI	27 04 39 53.8	38.33N	26.73W	23	5.6b,6.2s		
ADH	VI	27 04 39 53.9	38.24N	26.82W	2	5.0D		
EIDC	VI	27 04 39 55.1	38.3N	26.7W	17	4.8b,5.1L		
HRVD	VI	27 04 39 58.6±.1	38.40N±.02	26.52W±.02	15			

CSEM Mw5.8. M_0=6.0±1.8×10^{17}Nm. Fault plane solution. NP1:ϕ_S73°,δ16°,λ50°. NP2:ϕ_S294°,δ78°, λ100°. Principal axes: T Plg56°,Azm217°; N Plg10°,Azm112°; P Plg32°,Azm15°
NEIC Mw5.9(GS), Mw5.9(HRV).
NEIC Moment tensor solution: s39, scale 10^{17}Nm; M_{rr}−3.08; $M_{\theta\theta}$2.59; $M_{\phi\phi}$0.49; $M_{r\theta}$−2.70; $M_{r\phi}$4.95; $M_{\theta\phi}$−2.54. Depth 5km; Principal axes: T 6.98,Plg28°,Azm224°; N −0.36,Plg17°, Azm323°; P −6.62,Plg56°,Azm80°. Best double couple: $M_0$6.8×10^{17}Nm; NP1:ϕ_S277°,δ23°, λ−139°. NP2:ϕ_S148°,δ75°,λ−72°.
ADH Felt I=V MM on Sao Miguel at Mosteiros, Varzea, Ginetes, IV−V Bretanha, Candelaria, IV Remedios, Feteiras, Arrifes, III−IV Sete Cidades, Santa Barbara, Faja de Cima, Faja de Baixo, Ponta Delgarda, Relva, III Capelas, Fenais da Luz, Calhetas, Rabo de Peixe, Ribeira Grande, Lagoa, Sao Roque, Agua d'Alto, Ribeira Quente, Vila Franca, Ponta Garca, II−III Porto Formoso, Funas, Povoacao, II Fenais da Ajuda, Faial da Terra
ADH Felt IV MM on Terceira at Lajes, Agualva, Praia da Victoria, Fonte do Bastardo, Terra Cha, Ribeirinha, Porto Judeu, Angra do Heroismo, IV−V Vila Nova, Quatro Ribeiras, Sao Bartolomeu, IV Sao Sebastiao, Biscoitos, Fontinhas, Sao Braz, III−IV Serreta, Doze Ribeiras, III Altares, Raminho, Santa Barbara; on Sao Jorge I=III−IV at Topo, III Norte Grande, Calheta, Ribeira Seca, II−III Urzelina, II Velas
ADH Felt I=III MM on Pico at Sao Roque, Santo Amaro, Piedade, Sao Joao, Calhetae Lajes, II−III Prainha, Santa Luzia, Candelaria, Sao Mateus, II Madelena, Bandeiras; I=III on Faial at Horta, II−III Salao, Ribeirinha, Pedro Miguel, Praia do Almoxarife, Flamengos, II Cedros, Praia do Norte, Capelo, Castelo Branco
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c116; Mantle waves: s8,c11; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.40±.08; $M_{\theta\theta}$3.42±.10; $M_{\phi\phi}$2.98±.11; $M_{r\theta}$−1.02±.32; $M_{r\phi}$2.99±.31; $M_{\theta\phi}$−3.82±.09. Principal Axes: T 7.60,Plg11°,Azm225°; N −0.32,Plg12°,Azm318°; P −7.27,Plg74°,Azm92°. Best double couple: $M_0$7.4×10^{17}Nm, NP1:ϕ_S301°,δ35°,λ−111°. NP2:ϕ_S145°,δ57°,λ−76°.

(613) Hawaiian Islands

ISC	**VI**	**30 15 47 39.6**±.36	**19.34N**±.035	**155.12W**±.023	**14**±2.0	**5.3b,5.0s**	**247**	**0-174**
BJI	VI	30 15 47 37.8	19.36N	155.13W	9	5.6b,5.4s		**¶97vi4785**
EIDC	VI	30 15 47 38.3	19.3N	155.1W	0	5.1b,5.0s		
MOS	VI	30 15 47 38.7	19.4N	155.1W	10	5.6b,4.9s		
NEIC	VI	30 15 47 39.5	19.36N	155.07W	8	5.3b,5.0s		
HRVD	VI	30 15 47 45.2±.3	19.23N±.04	154.92W±.04	15			

NEIC Mw5.7(HRV). Damage, After HVO.
NEIC Slight damage and temporary power outages occurred in the Hilo and Puna areas. Felt throughout the island of Hawaii. M_0=3.7×10^{17}Nm (PPT).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c67; Mantle waves: s3,c4; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.06; $M_{\theta\theta}$−0.58±.06; $M_{\phi\phi}$−0.13±.07; $M_{r\theta}$2.73±.13; $M_{r\phi}$2.37±.13; $M_{\theta\phi}$−0.75±.06. Principal Axes: T 3.52,Plg52°,Azm317°; N 0.42,Plg2°,Azm49°; P −3.94,Plg38°,Azm141°. Best double couple: $M_0$3.7×10^{17}Nm, NP1:ϕ_S243°,δ7°,λ104°. NP2:ϕ_S49°,δ83°,λ88°.

(110) Peru-Ecuador border region

ISC	**VI**	**30 18 56 28.3**±.66	**4.13S**±.033	**80.92W**±.038	**38**±4.9	**5.2b,5.4s**	**356**	**3-166**
EIDC	VI	30 18 56 24.1	4.0S	80.9W	0	5.0b,5.4s		**¶97vi4810**
NEIC	VI	30 18 56 27.4	4.16S	80.93W	33	5.3b,5.3s		
IGQ	VI	30 18 56 28.0	3.9S	81.0W	19	5.9b		
MOS	VI	30 18 56 28.3	4.0S	80.9W	33	5.7b,5.4s		
BJI	VI	30 18 56 28.4	4.20S	80.90W	33	5.9s		
HRVD	VI	30 18 56 31.2±.1	4.40S±.02	81.12W±.02	36±1.4			

NEIC Mw5.8(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c94; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.15±.07; $M_{\theta\theta}$−0.14±.10; $M_{\phi\phi}$−4.01±.13; $M_{r\theta}$2.02±.15; $M_{r\phi}$−4.30±.19; $M_{\theta\phi}$0.70±.08. Principal Axes: T 6.39,Plg64°,Azm56°; N −0.18, Plg7°,Azm161°; P −6.22,Plg24°,Azm255°. Best double couple: $M_0$6.3×10^{17}Nm, NP1:ϕ_S0°, δ22°,λ110°. NP2:ϕ_S159°,δ70°,λ82°.

MAJOR INTERMEDIATE FOCUS EARTHQUAKES
(60^k<h≤300^k,M≥5.5)

(99) Northern Colombia

ISC	**I**	**01 04 35 52.4**±.32	**6.79N**±.031	**72.96W**±.026	**167**±3.9	**4.9b**	**237**	**2-155**
IGQ	I	01 04 35 20.3	9.5N	73.6W	22	6.4b		**¶97i0026**
NEIC	I	01 04 35 51.8	6.81N	72.89W	164	5.0b		
BJI	I	01 04 35 52.8	7.16N	73.27W	158			
MOS	I	01 04 35 53.4	6.8N	73.1W	167	5.1b		
HRVD	I	01 04 35 55.2±.6	6.98N±.06	72.91W±.09	164±2.1			
EIDC	I	01 04 35 59.5	6.6N	73.1W	227	4.6b		

NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c22; Half duration: 1s0. Moment tensor: Scale 10^{17}Nm; M_{rr}0.63±.06; $M_{\theta\theta}$−1.23±.09; $M_{\phi\phi}$0.60±.10; $M_{r\theta}$−0.34±.06; $M_{r\phi}$−0.25±.09; $M_{\theta\phi}$0.03±.11. Principal Axes: T 0.90,Plg50°,Azm102°; N 0.39, Plg38°,Azm261°; P −1.29,Plg10°,Azm359°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S126°,δ48°,λ146°. NP2:ϕ_S240°,δ66°,λ47°.

(265) Minahassa Peninsula (Celebes)

ISC	**I**	**01 22 32 33.0**±.73	**0.12S**±.026	**123.87E**±.031	**125**±7.0	**5.7b**	**372**	**4-164**
MOS	I	01 22 32 21.8	0.1S	123.5E	26	6.5b,4.8s		**¶97i0130**
EIDC	I	01 22 32 30.7	0.1S	123.8E	89	5.2b,4.8s		
KLM	I	01 22 32 32	0.1S	123.8E	115	5.6L		
BJI	I	01 22 32 32.2	0.12S	123.90E	118	6.1b		
NEIC	I	01 22 32 32.3	0.13S	123.82E	115	5.9b		
HRVD	I	01 22 32 35.4±.2	0.14S±.01	124.10E±.02	120±.8			

KLM Mb5.9
NEIC Mw5.8(GS), Me5.7(GS).
NEIC Mw 5.8 (HRV).
NEIC Radiated energy from the P−wave first−motion solution: 7.9±1.8×10^{12}Nm/11
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ35°,λ105°. NP2:ϕ_S342°,δ56°,λ80°. Principal axes: T Plg76°,Azm220°; P Plg11°,Azm79°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}4.14; $M_{\theta\theta}$0.72; $M_{\phi\phi}$−4.86; $M_{r\theta}$1.48; $M_{r\phi}$2.17; $M_{\theta\phi}$2.81. Depth 99km; Principal axes: T 5.61,Plg59°,Azm326°; N 0.63,Plg30°,Azm164°; P −6.24,Plg8°,Azm70°. Best double couple: $M_0$5.9×10^{17}Nm; NP1:ϕ_S130°,δ45°,λ45°. NP2:ϕ_S4°, δ60°,λ125°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c91; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}4.73±.08; $M_{\theta\theta}$0.10±.11; $M_{\phi\phi}$−4.83±.14; $M_{r\theta}$2.22±.08; $M_{r\phi}$2.36±.08; $M_{\theta\phi}$1.45±.11. Principal Axes: T 6.29,Plg64°,Azm328°; N −0.75, Plg24°,Azm174°; P −5.54,Plg11°,Azm80°. Best double couple: $M_0$5.9×10^{17}Nm, NP1: ϕ_S143°,δ40°,λ51°. NP2:ϕ_S9°,δ60°,λ118°.

(173) Tonga

ISC	**I**	**03 03 58 13**±2.0	**19.13S**±.042	**174.81W**±.031	**61**±18	**5.9b**	**614**	**10-164**
BJI	I	03 03 58 22.0	19.08S	174.70W	140	6.0b		**¶97i0315**
NEIC	I	03 03 58 22.1	19.22S	174.84W	140	5.7b		
MOS	I	03 03 58 22.9	18.6S	174.9W	129	6.0b,5.2s		
EIDC	I	03 03 58 24.1	19.2S	174.9W	143	5.3b,4.8s		
HRVD	I	03 03 58 28.8±.1	19.15S±.01	174.26W±.01	147±.5			

NEIC Mw6.0(GS), Me5.6(GS).
NEIC Mw 6.0 (HRV).
NEIC Radiated energy from the P−wave first−motion solution: 6.1±1.0×10^{12}Nm/12
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S35°,δ70°,λ100°. NP2:ϕ_S188°,δ22°,λ64°. Principal axes: T Plg64°,Azm321°; P Plg24°,Azm117°. Depth from broadband displacement seismograms.
NEIC Moment tensor solution: s30, scale 10^{17}Nm; M_{rr}6.40; $M_{\theta\theta}$1.10; $M_{\phi\phi}$−7.40; $M_{r\theta}$5.60; $M_{r\phi}$7.10; $M_{\theta\phi}$−1.50. Depth 139km; Principal axes: T 11.5,Plg59°,Azm326°; N 0.0,Plg16°,Azm207°; P −11.5,Plg25°,Azm109°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S167°,δ24°,λ48°. NP2: ϕ_S32°,δ72°,λ107°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c104; Mantle waves: s38,c49; Half duration: 2s5. Moment tensor: Scale 10^{17}Nm; M_{rr}6.75±.09; $M_{\theta\theta}$−0.58±.14; $M_{\phi\phi}$−6.17±.14; $M_{r\theta}$5.53±.09; $M_{r\phi}$7.81±.09; $M_{\theta\phi}$−1.33±.14. Principal Axes: T 12.1,Plg61°,Azm315°; N −0.9,Plg9°,Azm208°; P −11.2,Plg28°,Azm113°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S180°,δ19°,λ61°. NP2:ϕ_S31°,δ73°,λ100°.

(192) New Britain region

ISC	**I**	**09 11 40 57.5**±.90	**5.69S**±.050	**151.12E**±.071	**85**±7.6	**4.7b**	**91**	**2-156**
EIDC	I	09 11 40 54.3	5.7S	151.3E	43	4.3b,4.2L		**¶97i1207**
MOS	I	09 11 40 55.6	5.6S	151.0E	65	5.5b		
HRVD	I	09 11 40 56.9±.9	5.82S±.08	151.22E±.12	39±7.6			
NEIC	I	09 11 40 59.5	5.65S	151.01E	100	5.1b		
BJI	I	09 11 41 02.1	5.03S	151.06E	94	5.1b		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c28; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.52±.45; $M_{\theta\theta}$−2.74±.46; $M_{\phi\phi}$−0.78±.69; $M_{r\theta}$3.96±1.09; $M_{r\phi}$1.63±.85; $M_{\theta\phi}$−0.80±.47. Principal Axes: T 5.64,Plg64°,Azm336°; N −0.50,Plg1°,Azm69°; P −5.14,Plg26°,Azm160°. Best double couple: $M_0$5.4×10^{16}Nm, NP1: ϕ_S253°,δ19°,λ94°. NP2:ϕ_S69°,δ71°,λ88°.
NEIC Mw5.1(HRV).

(224) Hokkaido region

ISC	**I**	**10 19 19 54.8**±.34	**43.05N**±.021	**145.94E**±.040	**88**±3.0	**5.0b**	**352**	**0-150**
BJI	I	10 19 19 54.3	43.30N	145.77E	76	5.5b,4.4s		**¶97i1410**
MOS	I	10 19 19 54.9	43.1N	145.9E	93	5.5b,4.2s		
NEIC	I	10 19 19 55.1	43.13N	145.90E	89	5.0b		
SKHL	I	10 19 19 56.0	43.2N±.11	146.0E±.29	95±1			
EIDC	I	10 19 19 56.3	43.2N	145.8E	90	4.7b		
JMA	I	10 19 19 56.5±.2	43.09N±.01	145.90E±.02	82±2	5.2		
HRVD	I	10 19 19 59.9±.9	43.13N±.09	145.36E±.09	97±8.2			

NEIC Mw5.2(HRV)
NEIC Felt I=III J at Akkeshi, Bekkai and Naka-shibetsu.
SKHL Felt I=IV MSK at Yuzhno−Kurilsk, I=II−III at Shikotan
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.73±.55; $M_{\theta\theta}$−1.58±1.11; $M_{\phi\phi}$3.31±.71; $M_{r\theta}$3.65±.46; $M_{r\phi}$5.58±.55; $M_{\theta\phi}$−0.24±.83. Principal Axes: T 7.31,Plg35°,Azm285°; N −0.09, Plg18°,Azm29°; P −7.22,Plg49°,Azm141°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S322°,δ20°,λ−158°. NP2:ϕ_S211°,δ83°,λ−72°.

(286) Flores region

ISC	**I**	**17 11 20 21.8**±.76	**8.87S**±.024	**123.54E**±.027	**110**±7.3	**6.0b**	**563**	**1-175**
BJI	I	17 11 20 20.9	8.93S	123.68E	107	6.2b		**¶97i2437**
NEIC	I	17 11 20 22.0	8.90S	123.54E	111	6.2b		
MOS	I	17 11 20 22.3	8.6S	123.7E	104	6.7b		
EIDC	I	17 11 20 24.5	8.8S	123.6E	117	5.7b,5.6s		
HRVD	I	17 11 20 28.0±.1	8.88S±.01	123.72E±.01	113±.7			

NEIC Mw6.2(GS), Me6.0(GS)
NEIC Mw 6.2 (HRV). Felt I=IV MM at Waingapu.
NEIC Radiated energy from the P−wave first−motion solution: 2.1±0.4×10^{13}Nm/15
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S70°,δ86°,λ120°. NP2:ϕ_S167°,δ30°,λ8°. Principal axes: T Plg41°,Azm8°; P Plg34°,Azm135°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s21, scale 10^{18}Nm; M_{rr}−0.14; $M_{\theta\theta}$0.70; $M_{\phi\phi}$−0.56; $M_{r\theta}$1.77; $M_{r\phi}$1.11; $M_{\theta\phi}$−0.25. Depth 111km; Principal axes: T 2.20,Plg41°,Azm345°; N 0.00,Plg18°, Azm239°; P −2.20,Plg44°,Azm131°. Best double couple: $M_0$2.2×10^{18}Nm; NP1:ϕ_S143°,δ18°,

λ−6°. NP2:ϕ_S239°,δ88°,λ−108°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c125; Mantle waves: s43,c72; Half duration: 3^{S}1. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.19±.02; $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$−0.01±.03; $M_{r\theta}$1.70±.01; $M_{r\phi}$1.05±.02; $M_{\theta\phi}$−0.27±.02. Principal Axes: T 1.86,Plg44°,Azm336°; N 0.29,Plg6°,Azm240°; P −2.15,Plg45°,Azm143°. Best double couple: $M_0$2.0×10^{18}Nm, NP1:ϕ_S143°,δ6°,λ−7°. NP2:ϕ_S240°,δ89°,λ−96°.

(128) Jujuy Province, Argentina

ISC	**I**	**23 02 15 19.8**±.80	**22.05S**±.041	**65.69W**±.036	**247**±7.3	**6.2b**	**658**	**6-180**
MOS	I	23 02 15 19.6	21.9S	65.7W	244	6.9b		**¶97i3422**
EIDC	I	23 02 15 21.4	22.2S	65.9W	267	5.6b		
BJI	I	23 02 15 22.5	21.58S	65.62W	267			
NEIC	I	23 02 15 22.9	22.00S	65.72W	276	6.4b		
HRVD	I	23 02 15 31.9±.1	22.04S±.01	65.92W±.01	282±.3			

NEIC Mw7.1(HRV), Me6.6(GS)

NEIC Radiated energy from the P−wave first−motion solution: 1.8±0.3×10^{14}Nm/17

NEIC Mw 7.0 (GS). Felt I=V MM at Antofagasta, Calama and Tocopilla; III MM at Arica, Chile. Felt in northern Jujuy Province, Argentina. M_0=1.6×10^{20}Nm (PPT).

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S170°,δ89°,λ100°. NP2:ϕ_S266°,δ10°,λ6°. Principal axes: T Plg45°,Azm90°; P Plg43°,Azm250°. Two events about 3.0 seconds apart. Depth from broadband displacement seismograms based on first event.

NEIC Moment tensor solution: s37, scale 10^{19}Nm; M_{rr}0.09; $M_{\theta\theta}$0.03; $M_{\phi\phi}$−0.12; $M_{r\theta}$0.31; $M_{r\phi}$−3.54; $M_{\theta\phi}$−0.29. Depth 280km; Principal axes: T 3.58,Plg45°,Azm80°; N −0.02,Plg5°, Azm175°; P −3.56,Plg44°,Azm270°. Best double couple: $M_0$3.6×10^{19}Nm; NP1:ϕ_S78°,δ5°, λ173°. NP2:ϕ_S175°,δ89°,λ85°.

NEIC Felt in Sao Paulo (after TRRB)

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c148; Mantle waves: s63,c152; Half duration: 9^{S}0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.01±.02; $M_{\theta\theta}$0.03±.02; $M_{\phi\phi}$−0.02±.02; $M_{r\theta}$0.95±.02; $M_{r\phi}$−5.70±.02; $M_{\theta\phi}$−0.37±.02. Principal Axes: T 5.84,Plg45°,Azm77°; N −0.09,Plg4°,Azm171°; P −5.75,Plg45°,Azm264°. Best double couple: $M_0$5.8×10^{19}Nm, NP1:ϕ_S85°,δ4°,λ−175°. NP2:ϕ_S351°,δ90°,λ−86°.

(107) Ecuador

ISC	**I**	**23 02 19 46**±2.0	**2.2S**±.24	**78.5W**±.24	**209**		**16**	**1-3**
IGQ	I	23 02 19 44.9	2.3S	78.5W	209	5.5b		**¶97i3423**

(272) Seram

ISC	**I**	**25 05 10 09**±1.6	**3.88S**±.039	**127.73E**±.051	**75**±15	**5.0b**	**153**	**7-161**
NEIC	I	25 05 10 02.7	3.90S	127.68E	25	5.3b,4.5s		**¶97i3743**
MOS	I	25 05 10 04.1	3.5S	127.4E	16	5.9b		
EIDC	I	25 05 10 04.6	4.0S	127.6E	23	4.8b,4.3s		
HRVD	I	25 05 10 04.7±1.2	4.00S±.12	127.40E±.12	18±6.6			
BJI	I	25 05 10 05.6	3.48S	127.80E	25	5.2b,4.8s		

NEIC Mw5.1(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c24; Half duration: 1^{S}0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.64±.71; $M_{\theta\theta}$−4.07±.48; $M_{\phi\phi}$−0.56±1.00; $M_{r\theta}$1.05±2.05; $M_{r\phi}$0.00±1.40; $M_{\theta\phi}$1.81±.50. Principal Axes: T 4.77,Plg82°,Azm341°; N 0.17, Plg5°,Azm112°; P −4.94,Plg6°,Azm203°. Best double couple: $M_0$4.9×10^{16}Nm, NP1:ϕ_S299°, δ39°,λ98°. NP2:ϕ_S108°,δ51°,λ83°.

(193) Solomon Islands

ISC	**II**	**08 01 55 55**±1.1	**8.54S**±.032	**158.99E**±.032	**97**±10	**5.7b**	**408**	**1-164**
NEIC	II	08 01 55 55.7	8.47S	158.96E	101	5.8b		**¶97ii1071**
MOS	II	08 01 55 56.0	8.5S	159.0E	99	5.9b		
EIDC	II	08 01 55 56.2	8.5S	159.0E	95	5.3b,4.6s		
BJI	II	08 01 55 56.3	8.37S	159.02E	105	5.8b		
HRVD	II	08 01 55 58.4±.1	8.29S±.02	159.00E±.02	83±1.4			

NEIC Mw5.7(GS), Me5.6(GS).

NEIC Mw 5.7 (HRV).

NEIC Radiated energy from the P−wave first−motion solution: 6.1±1.8×10^{12}Nm/7

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ35°,λ100°. NP2:ϕ_S288°,δ56°,λ83°. Principal axes: T Plg78°,Azm173°; P Plg10°,Azm23°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}2.62; $M_{\theta\theta}$−2.47; $M_{\phi\phi}$−0.15; $M_{r\theta}$−1.99; $M_{r\phi}$−0.19; $M_{\theta\phi}$1.39. Depth 92km; Principal axes: T 3.43,Plg66°,Azm152°; N 0.18,Plg17°, Azm286°; P −3.61,Plg16°,Azm21°. Best double couple: $M_0$3.5×10^{17}Nm; NP1:ϕ_S134°,δ32°, λ123°. NP2:ϕ_S277°,δ63°,λ71°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c87; Half duration: 1^{S}8. Moment tensor: Scale 10^{17}Nm; M_{rr}2.71±.05; $M_{\theta\theta}$−2.47±.11; $M_{\phi\phi}$−0.24±.11; $M_{r\theta}$−2.76±.05; $M_{r\phi}$−0.81±.05; $M_{\theta\phi}$1.22±.07. Principal Axes: T 4.25,Plg61°,Azm147°; N −0.40,Plg20°,Azm276°; P −3.86,Plg21°,Azm14°. Best double couple: $M_0$4.1×10^{17}Nm, NP1: ϕ_S135°,δ30°,λ132°. NP2:ϕ_S268°,δ68°,λ69°.

(706) Northern Sumatera

ISC	**II**	**08 12 39 46**±1.3	**1.70N**±.036	**98.04E**±.041	**72**±11	**5.1b**	**243**	**4-160**
BJI	II	08 12 39 41.5	1.61N	97.95E	32	5.0b,4.8s		**¶97ii1142**
NEIC	II	08 12 39 41.8	1.66N	97.95E	33	5.3b,4.6s		
MOS	II	08 12 39 42.0	1.7N	98.0E	33	5.6b		
KLM	II	08 12 39 42	1.7N	97.9E	33	4.8L		
EIDC	II	08 12 39 45.0	1.6N	98.0E	50	4.9b,4.3s		
HRVD	II	08 12 39 47.9±.4	1.65N±.04	98.03E±.06	33			

NEIC Mw5.2(HRV).

KLM Mb5.3

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c31; Half duration: 1^{S}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.90±.44; $M_{\theta\theta}$5.36±.39; $M_{\phi\phi}$2.54±.65; $M_{r\theta}$2.64±1.34; $M_{r\phi}$1.09±.92; $M_{\theta\phi}$0.20±.47. Principal Axes: T 5.91,Plg11°,Azm353°; N 2.59, Plg4°,Azm262°; P −8.50,Plg78°,Azm154°. Best double couple: $M_0$7.2×10^{16}Nm, NP1:ϕ_S88°, δ34°,λ−83°. NP2:ϕ_S260°,δ57°,λ−95°.

(224) Hokkaido region

ISC	**II**	**10 22 57 13.6**±.27	**42.57N**±.019	**144.53E**±.034	**70**±2.5	**5.1b**	**428**	**0-151**
SKHL	II	10 22 57 13.0	42.6N±.11	144.6E±.22	95±1			**¶97ii1544**
JMA	II	10 22 57 13.9±.2	42.64N±.01	144.58E±.02	69±3	4.9		
BJI	II	10 22 57 16.2	42.92N	144.41E	95	5.0b		
NEIC	II	10 22 57 17.5	42.75N	144.43E	100	5.2b		
MOS	II	10 22 57 18.0	43.0N	144.4E	94	5.5b		
EIDC	II	10 22 57 18.3	42.8N	144.4E	94	4.9b,4.2s		

SKHL K11. Felt I=II−III MSK at Yuzhno−Kurilsk and Kunashir Island

MOS Felt I=II−III MSK at Yuzno−Kurilsk.

(184) Santa Cruz Islands

ISC	**II**	**13 12 58 23**±1.5	**10.92S**±.047	**166.06E**±.056	**80**±14	**4.9b**	**121**	**6-170**
MOS	II	13 12 58 20.4	10.7S	165.9E	49	5.6b		**¶97ii1924**
BJI	II	13 12 58 22.6	10.43S	166.10E	64	5.2b,5.1s		
NEIC	II	13 12 58 22.6	10.78S	165.98E	73	5.0b		
EIDC	II	13 12 58 24.1	10.8S	166.1E	76	4.4b,4.2s		
HRVD	II	13 12 58 26.7±.3	10.93S±.05	165.77E±.04	64±2.6			

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c43; Half duration: 1^{S}1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.30±.37; $M_{\theta\theta}$−1.43±.54; $M_{\phi\phi}$−6.87±.59; $M_{r\theta}$6.52±.48; $M_{r\phi}$0.28±.51; $M_{\theta\phi}$−4.69±.51. Principal Axes: T 11.8,Plg61°,Azm13°; N −1.4, Plg26°,Azm222°; P −10.3,Plg12°,Azm126°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S187°,δ39°,λ47°. NP2:ϕ_S57°,δ62°,λ119°.

(269) Molucca Sea

ISC	**II**	**14 01 04 22.9**±.87	**0.06S**±.030	**125.05E**±.042	**76**±8.2	**5.0b**	**165**	**5-163**
EIDC	II	14 01 04 14.7	0.1S	125.1E	0	5.0b,4.6s		**¶97ii2001**
BJI	II	14 01 04 19.3	0.02N	125.36E	52	5.2b,4.6s		
KLM	II	14 01 04 20	0.1S	125.0E	50	4.8L		
NEIC	II	14 01 04 20.5	0.05S	125.08E	50	5.3b,4.6s		
MOS	II	14 01 04 21.4	0.0S	125.1E	61	5.7b		
HRVD	II	14 01 04 23.9±.3	0.02S±.04	125.31E±.05	37±3.3			

KLM Mb5.3

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c44; Half duration: 1^{S}0. Moment tensor: Scale 10^{16}Nm; M_{rr}8.54±.62; $M_{\theta\theta}$−3.33±.44; $M_{\phi\phi}$−5.21±.96; $M_{r\theta}$6.44±.94; $M_{r\phi}$7.23±.87; $M_{\theta\phi}$−1.34±.54. Principal Axes: T 13.5,Plg63°,Azm314°; N −2.8, Plg3°,Azm218°; P −10.7,Plg27°,Azm126°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S208°,δ19°,λ80°. NP2:ϕ_S39°,δ72°,λ93°.

(153) South Sandwich Islands region

ISC	**II**	**14 23 43 44**±2.4	**56.45S**±.052	**27.5W**±.11	**144**±22	**5.2b**	**182**	**17-169**
BJI	II	14 23 43 43.3	56.40S	27.40W	143			**¶97ii2136**
NEIC	II	14 23 43 43.3	56.37S	27.40W	143	5.4b		
MOS	II	14 23 43 44.4	56.6S	27.6W	146	5.6b		
EIDC	II	14 23 43 46.2	56.4S	27.4W	155	5.1b,4.4s		
HRVD	II	14 23 43 48.8±.4	56.51S±.05	26.91W±.07	142±1.7			

NEIC Mw5.4(GS), Mw5.4(HRV).

NEIC Moment tensor solution: s8, scale 10^{17}Nm; M_{rr}1.46; $M_{\theta\theta}$−0.01; $M_{\phi\phi}$−1.44; $M_{r\theta}$0.04; $M_{r\phi}$0.49; $M_{\theta\phi}$0.24. Depth 142km; Principal axes: T 1.54,Plg80°,Azm286°; N 0.02,Plg4°, Azm172°; P −1.56,Plg9°,Azm81°. Best double couple: $M_0$1.5×10^{17}Nm; NP1:ϕ_S166°,δ36°, λ83°. NP2:ϕ_S355°,δ54°,λ95°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c29; Half duration: 1^{S}2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.12±.05; $M_{\theta\theta}$−0.33±.09; $M_{\phi\phi}$−0.79±.08; $M_{r\theta}$0.17±.05; $M_{r\phi}$0.65±.05; $M_{\theta\phi}$0.30±.08. Principal Axes: T 1.36,Plg70°,Azm296°; N −0.29, Plg13°,Azm165°; P −1.07,Plg14°,Azm71°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S143°,δ33°,λ65°. NP2:ϕ_S352°,δ61°,λ105°.

(278) Bali Sea

ISC	**II**	**15 12 11 16.0**±.38	**7.81S**±.027	**117.50E**±.030	**286**±4.1	**5.4b**	**312**	**2-156**
BJI	II	15 12 11 13.6	8.00S	117.53E	275	5.6b		**¶97ii2229**
NEIC	II	15 12 11 14.7	7.78S	117.41E	274	5.6b		
MOS	II	15 12 11 15.9	7.7S	117.5E	283	5.9b		
EIDC	II	15 12 11 16.2	7.8S	117.4E	274	5.1b		
HRVD	II	15 12 11 20.7±.2	7.81S±.02	117.51E±.03	283±1.1			

NEIC Mw5.6(GS), Me5.2(GS).

NEIC Mw 5.6 (HRV). Depth from broadband displacement seismograms.

NEIC Radiated energy from the USGS moment tensor solution: 1.2±0.2×10^{12}Nm/14

NEIC Moment tensor solution: s20, scale 10^{17}Nm; M_{rr}2.09; $M_{\theta\theta}$−0.85; $M_{\phi\phi}$−1.24; $M_{r\theta}$1.96; $M_{r\phi}$0.77; $M_{\theta\phi}$−0.47. Depth 276km; Principal axes: T 3.13,Plg64°,Azm345°; N −0.76,Plg10°, Azm235°; P −2.37,Plg24°,Azm141°. Best double couple: $M_0$2.8×10^{17}Nm; NP1:ϕ_S211°,δ22°, λ64°. NP2:ϕ_S59°,δ70°,λ100°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c67; Half duration: 1^{S}5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.93±.05; $M_{\theta\theta}$−1.60±.07; $M_{\phi\phi}$−0.33±.09; $M_{r\theta}$2.10±.07; $M_{r\phi}$0.55±.08; $M_{\theta\phi}$−0.14±.08. Principal Axes: T 2.97,Plg64°,Azm342°; N −0.34, Plg3°,Azm79°; P −2.63,Plg25°,Azm170°. Best double couple: $M_0$2.8×10^{17}Nm, NP1:ϕ_S267°, δ20°,λ99°. NP2:ϕ_S78°,δ70°,λ87°.

(103) Colombia

ISC	**II**	**19 18 25 13.4**±.24	**4.53N**±.022	**76.49W**±.022	**110**±2.6	**5.4b**	**453**	**0-158**
BJI	II	19 18 25 11.5	4.93N	76.78W	92			**¶97ii2814**
NEIC	II	19 18 25 12.5	4.56N	76.49W	101	5.5b		
MOS	II	19 18 25 12.6	4.6N	76.5W	100	5.9b		
EIDC	II	19 18 25 12.8	4.5N	76.3W	100	5.0b		
HRVD	II	19 18 25 19.5±.2	4.78N±.01	76.50W±.02	118±.7			
IGQ	II	19 18 26 00.0	4.4N	76.5W	106	5.7b		

NEIC Mw5.8(GS), M_D5.1(UPA)

NEIC Mw 5.8 (HRV). Some minor damage to buildings at Armenia and Pereira. Felt in Antioquia, Caldas, Cauca, Quindio, Risaralda and Valle del Cauca Departments.

NEIC Moment tensor solution: s15, scale 10^{17}Nm; M_{rr}4.96; $M_{\theta\theta}$−2.84; $M_{\phi\phi}$−2.12; $M_{r\theta}$−2.48; $M_{r\phi}$1.79; $M_{\theta\phi}$3.56. Depth 105km; Principal axes: T 5.76,Plg75°,Azm207°; N 1.08,Plg4°, Azm311°; P −6.84,Plg14°,Azm42°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S137°,δ31°, λ97°. NP2:ϕ_S308°,δ60°,λ86°.

NEIC Felt in Cali (after SILC)

NEIC Felt strongly in Cali, Popayan, Pereira, Manizales, and all west parts of Colombia. Some buildings were damaged(after BOG)

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c89; Half duration: 1^{S}9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.98±.08; $M_{\theta\theta}$−3.44±.14; $M_{\phi\phi}$−1.53±.17; $M_{r\theta}$−1.03±.08; $M_{r\phi}$0.00±.09; $M_{\theta\phi}$3.79±.12. Principal Axes: T 5.14,Plg80°,Azm150°; N 1.32, Plg10°,Azm307°; P −6.46,Plg4°,Azm38°. Best double couple: $M_0$5.8×10^{17}Nm, NP1:ϕ_S138°, δ42°,λ105°. NP2:ϕ_S299°,δ50°,λ77°.

(228) Near east coast of Honshū

ISC	**II**	**19 20 21 49.0**±.23	**37.40N**±.018	**141.04E**±.027	**93**±2.2	**5.3b**	**525**	**0-161**
BJI	II	19 20 21 46.0	37.44N	141.09E	82	5.8b,4.7s		**¶97ii2832**
MOS	II	19 20 21 47.2	37.5N	141.1E	78	5.9b,4.6s		
NEIC	II	19 20 21 48.0	37.40N	141.07E	84	5.3b		
JMA	II	19 20 21 49.1±.1	37.38N±.01	141.16E±.01	88±3	5.3		
HRVD	II	19 20 21 49.2±.3	37.21N±.03	141.22E±.05	96±3.0			
EIDC	II	19 20 21 51.1	37.3N	141.0E	103	4.8b		

NEIC Mw5.5(HRV)

NEIC Felt I=IV J in eastern Fukushima and northern Tochigi Prefectures.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c49; Half duration: 1^{S}4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.45±.05; $M_{\theta\theta}$−0.37±.10; $M_{\phi\phi}$0.82±.09; $M_{r\theta}$1.08±.05; $M_{r\phi}$1.59±.06; $M_{\theta\phi}$−0.42±.08. Principal Axes: T 1.93,Plg36°,Azm280°; N 0.30, Plg21°,Azm26°; P −2.22,Plg46°,Azm139°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S312°,δ22°,λ−165°. NP2:ϕ_S208°,δ85°,λ−69°.

(224) Hokkaido region

ISC	**II**	**27 14 22 16.1**±.28	**41.58N**±.020	**142.18E**±.041	**64**±2.8	**5.1b**	**308**	**1-155**
BJI	II	27 14 22 15.0	41.56N	142.17E	75	5.2b,4.3s		**¶97ii3969**
JMA	II	27 14 22 15.4±.1	41.55N±.01	142.07E±.01	71±4	4.6		
MOS	II	27 14 22 16.6	41.6N	142.0E	72	5.5b		
NEIC	II	27 14 22 16.9	41.52N	142.13E	73	5.0b		
EIDC	II	27 14 22 19.5	41.5N	142.1E	89	4.6b		

(193) Solomon Islands

ISC	**III**	**03 22 33 46**±1.3	**6.47S**±.037	**156.38E**±.045	**70**±12	**5.4b**	**221**	**5-147**
BJI	III	03 22 33 43.2	6.32S	156.69E	47	5.4b,4.8s		**¶97iii0701**
NEIC	III	03 22 33 43.8	6.48S	156.41E	48	5.6b,5.1s		
EIDC	III	03 22 33 45.5	6.5S	156.6E	51	5.0b,4.5s		
MOS	III	03 22 33 45.7	6.5S	156.5E	67	5.8b		

(280) Banda Sea

ISC	**III**	**04 04 40 38.5**±.83	**7.25S**±.031	**129.09E**±.031	**100**±8.3	**5.3b**	**262**	**6-157**
EIDC	III	04 04 40 35.4	7.2S	129.1E	61	5.1b		**¶97iii0789**
NEIC	III	04 04 40 38.4	7.25S	129.14E	102	5.5b		
MOS	III	04 04 40 39.0	7.2S	129.2E	105	5.6b		
BJI	III	04 04 40 39.3	7.44S	129.14E	123	5.5b		
HRVD	III	04 04 40 43.8±.5	7.57S±.05	129.19E±.04	129±2.6			

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c33; Half duration: 1^{S}4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.06; $M_{\theta\theta}$−0.79±.12; $M_{\phi\phi}$0.59±.13; $M_{r\theta}$0.04±.07; $M_{r\phi}$1.42±.07; $M_{\theta\phi}$1.77±.09. Principal Axes: T 2.46,Plg29°,Azm299°; N −0.19, Plg54°,Azm160°; P −2.27,Plg20°,Azm41°. Best double couple: $M_0$2.4×10^{17}Nm, NP1:ϕ_S82°, δ54°,λ7°. NP2:ϕ_S348°,δ84°,λ144°.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(193) Solomon Islands						
ISC	**III**	**06 19 59 43.7**±.80	**6.25S**±.033	**155.32E**±.048	**188**±7.8	**5.2b**	**185**	**4-160**
BJI	III	06 19 59 42.3	5.90S	155.47E	169	5.5b		**¶97iii1342**
NEIC	III	06 19 59 42.3	6.21S	155.30E	174	5.1b		
MOS	III	06 19 59 43.9	6.2S	155.3E	185	5.5b		
EIDC	III	06 19 59 44.5	6.2S	155.4E	179	4.8b,4.0s		
		(174) Tonga region						
ISC	**III**	**07 03 04 03**±3.2	**23.30S**±.084	**175.39W**±.079	**69**±28	**5.2b**	**140**	**10-161**
BJI	III	07 03 03 56.6	23.20S	175.30W	26	5.9b,5.6s		**¶97iii1412**
MOS	III	07 03 03 58.8	23.2S	175.4W	33	5.1b,5.5s		
NEIC	III	07 03 04 00.0	22.38S	175.90W	33	5.1b,5.7s		
HRVD	III	07 03 04 00.5±.3	22.42S±.04	176.24W±.04	33			

NEIC Mw5.9(GS), Mw5.7(HRV), Less reliable solution.

NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−0.03; $M_{\theta\theta}$0.32; $M_{\phi\phi}$−0.28; $M_{r\theta}$3.30; $M_{r\phi}$6.49; $M_{\theta\phi}$−0.85. Depth 3km; Principal axes: T 6.86,Plg47°,Azm294°; N 0.88,Plg2°, Azm27°; P −7.74,Plg43°,Azm119°. Best double couple: $M_0$7.3×10^{17}Nm; NP1:ϕ_S259°,δ3°, λ143°. NP2:ϕ_S27°,δ88°,λ88°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c55; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.90±.06; $M_{\theta\theta}$−0.63±.11; $M_{\phi\phi}$1.53±.11; $M_{r\theta}$0.56±.14; $M_{r\phi}$3.00±.16; $M_{\theta\phi}$2.19±.07. Principal Axes: T 4.45,Plg29°,Azm297°; N −1.23, Plg32°,Azm187°; P −3.22,Plg44°,Azm59°. Best double couple: $M_0$3.8×10^{17}Nm, NP1:ϕ_S77°, δ33°,λ−16°. NP2:ϕ_S181°,δ81°,λ−122°.

		(259) Mindanao						
ISC	**III**	**11 06 39 33**±1.1	**5.87N**±.031	**126.75E**±.056	**90**±9.8	**4.9b**	**138**	**2-169**
MOS	III	11 06 39 30.6	5.9N	126.8E	66	5.9b		**¶97iii2326**
BJI	III	11 06 39 32.9	5.75N	126.77E	101	5.4b		
EIDC	III	11 06 39 33.0	6.0N	127.0E	76	4.5b,4.5s		
NEIC	III	11 06 39 34.2	5.91N	126.85E	100	5.1b		
		(259) Mindanao						
ISC	**III**	**11 19 21 22.2**±.90	**8.14N**±.024	**126.34E**±.029	**83**±8.2	**5.5b**	**420**	**1-171**
BJI	III	11 19 21 22.1	8.25N	126.49E	85	5.3b,6.4s		**¶97iii2432**
MOS	III	11 19 21 22.7	8.1N	126.4E	89	5.9b		
NEIC	III	11 19 21 23.0	8.13N	126.35E	88	5.7b		
EIDC	III	11 19 21 25.8	8.2N	126.4E	104	5.1b		
		(245) North-east of Taiwan						
ISC	**III**	**13 18 06 09.2**±.26	**25.60N**±.024	**123.83E**±.025	**201**±2.7	**4.7b**	**396**	**1-167**
NEIC	III	13 18 06 09.1	25.58N	123.74E	199	4.8b		**¶97iii2746**
MOS	III	13 18 06 09.3	25.6N	123.7E	200	5.7b		
JMA	III	13 18 06 09.8±.4	25.83N±.04	123.68E±.04	164	5.2		
BJI	III	13 18 06 09.8	25.54N	123.75E	216	5.1b		
EIDC	III	13 18 06 11.7	25.7N	123.7E	208	4.5b		
		(202) New Guinea						
ISC	**III**	**13 20 41 22.3**±.58	**4.22S**±.029	**143.03E**±.044	**123**±5.9	**5.4b**	**226**	**2-157**
BJI	III	13 20 41 21.5	4.51S	143.42E	149	5.3b		**¶97iii2763**
NEIC	III	13 20 41 21.5	4.22S	143.04E	118	5.6b		
MOS	III	13 20 41 22.1	4.2S	143.1E	123	5.4b		
EIDC	III	13 20 41 22.5	4.2S	143.1E	116	4.9b,4.4s		
HRVD	III	13 20 41 25.5±.3	4.26S±.04	142.90E±.05	108±3.4			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c38; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.06; $M_{\theta\theta}$−0.51±.07; $M_{\phi\phi}$−0.36±.11; $M_{r\theta}$1.38±.06; $M_{r\phi}$0.12±.05; $M_{\theta\phi}$0.19±.08. Principal Axes: T 1.74,Plg58°,Azm350°; N −0.37, Plg8°,Azm92°; P −1.37,Plg31°,Azm187°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S301°, δ16°,λ120°. NP2:ϕ_S90°,δ76°,λ82°.

		(224) Hokkaido region						
ISC	**III**	**17 09 23 16.5**±.26	**41.85N**±.019	**142.17E**±.036	**73**±2.5	**4.9b**	**349**	**1-152**
MOS	III	17 09 23 15.2	41.8N	142.2E	66	5.5b		**¶97iii3354**
BJI	III	17 09 23 15.6	41.81N	142.18E	84	5.2b,4.3s		
JMA	III	17 09 23 16.4±.1	41.85N±.01	142.18E±.01	66±3	4.7		
NEIC	III	17 09 23 17.0	41.90N	142.11E	77	5.1b		
EIDC	III	17 09 23 19.5	41.8N	142.2E	90	4.6b		

NEIC Felt I=III J at Shizunai. Also felt in Aomori and Iwate Prefectures, Honshu.

		(228) Near east coast of Honshū						
ISC	**III**	**23 05 58 55.1**±.20	**35.96N**±.018	**140.08E**±.025	**79**±1.8	**5.0b**	**399**	**0-159**
BJI	III	23 05 58 53.6	35.94N	140.12E	87	5.2b,4.3s		**¶97iii4402**
MOS	III	23 05 58 55.0	36.0N	139.9E	73	5.6b		
JMA	III	23 05 58 55.1±.1	35.96N±.01	140.11E±.01	71±3	5.0		
NEIC	III	23 05 58 55.5	35.94N	139.99E	83	5.1b		
EIDC	III	23 05 58 55.6	35.8N	140.1E	74	4.6b,4.2s		
HRVD	III	23 05 59 00.0±.6	36.03N±.08	140.14E±.06	71±5.7			

NEIC Mw5.2(HRV)

NEIC Felt I=III J in the Tokyo area. Also felt at Nikko and Yokohama.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.37; $M_{\theta\theta}$0.06±.65; $M_{\phi\phi}$−4.42±.51; $M_{r\theta}$−1.34±.53; $M_{r\phi}$5.24±.57; $M_{\theta\phi}$−0.87±.52. Principal Axes: T 7.16,Plg62°,Azm242°; N −0.29,Plg12°,Azm356°; P −6.87,Plg25°,Azm92°. Best double couple: $M_0$7.0×10^{16}Nm, NP1: ϕ_S207°,δ23°,λ123°. NP2:ϕ_S352°,δ71°,λ77°.

		(266) Molucca Passage						
ISC	**III**	**24 22 21 58.9**±.88	**0.87N**±.027	**125.98E**±.038	**61**±8.6	**5.1b**	**185**	**5-164**
BJI	III	24 22 21 55.0	0.88N	125.96E	33	5.2b,5.0s		**¶97iii4629**
MOS	III	24 22 21 55.8	0.9N	125.9E	33	5.7b,4.9s		
NEIC	III	24 22 21 56.0	0.83N	125.88E	33	5.3b,5.1s		
EIDC	III	24 22 21 57.9	0.9N	126.1E	39	4.9b,4.9s		
HRVD	III	24 22 22 02.2±.2	1.21N±.02	126.15E±.03	43±1.7			

NEIC Mw5.7(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c57; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}3.62±.09; $M_{\theta\theta}$−0.55±.10; $M_{\phi\phi}$−3.07±.15; $M_{r\theta}$−0.75±.18; $M_{r\phi}$−0.71±.17; $M_{\theta\phi}$−1.85±.11. Principal Axes: T 3.78,Plg81°,Azm156°; N 0.39,Plg6°,Azm29°; P −4.17,Plg7°,Azm298°. Best double couple: $M_0$4.0×10^{17}Nm, NP1: ϕ_S22°,δ38°,λ81°. NP2:ϕ_S213°,δ52°,λ97°.

		(127) Chile-Argentina border region						
ISC	**III**	**25 00 14 45.4**±.29	**33.42S**±.043	**70.57W**±.053	**88**±2.8	**5.3b**	**223**	**0-179**
BJI	III	25 00 14 44.0	33.62S	70.66W	83	5.5s		**¶97iii4645**
NEIC	III	25 00 14 44.6	33.48S	70.55W	84	5.5b		
EIDC	III	25 00 14 45.0	33.4S	70.7W	76	5.1b,4.5s		
MOS	III	25 00 14 45.5	33.4S	70.7W	86	5.5b		
GUC	III	25 00 14 46.0	33.46S	70.78W	83	5.4D		
HRVD	III	25 00 14 50.6±.3	33.45S±.03	70.62W±.04	90±2.4			

NEIC Mw5.5(HRV), Damage, avalanche observed.

NEIC Some buildings slightly damaged I=VI MM and power outages at Santiago, Chile. Felt in many parts of central Chile. Landslides occurred along mountain roads east of Santiago, Chile. Also felt III MM at Mendoza, Argentina.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c39; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.60±.04; $M_{\theta\theta}$−1.12±.06; $M_{\phi\phi}$1.73±.08; $M_{r\theta}$−1.13±.04; $M_{r\phi}$−0.08±.07; $M_{\theta\phi}$1.07±.10. Principal Axes: T 2.16,Plg10°,Azm111°; N 0.03, Plg54°,Azm215°; P −2.19,Plg34°,Azm14°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_S158°,δ59°,λ−161°. NP2:ϕ_S58°,δ74°,λ−33°.

		(160) Off east coast of North Island, N.Z.						
ISC	**III**	**25 02 18 04.0**±.46	**37.25S**±.048	**177.61E**±.065	**128**±4.2	**5.1b**	**203**	**0-177**
BJI	III	25 02 18 00.5	37.11S	178.14E	115	5.5b		**¶97iii4660**
NEIC	III	25 02 18 00.8	37.02S	177.65E	100	5.2b		
EIDC	III	25 02 18 01.1	37.2S	177.9E	101	5.1b,4.3s		
WEL	III	25 02 18 04.7	37.03S	177.62E	111	5.9L		
HRVD	III	25 02 18 07.4±.3	36.94S±.04	177.22E±.05	136±1.6			
MOS	III	25 02 18 08.6	37.0S	177.5E	162	5.5b		

NEIC Mw5.3(HRV)

WEL Felt Whakatane to Gisborne, maximum intensity I=IV MM

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c30; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.06±.38; $M_{\theta\theta}$−8.23±.89; $M_{\phi\phi}$0.18±.91; $M_{r\theta}$2.30±.39; $M_{r\phi}$6.27±.44; $M_{\theta\phi}$3.55±.68. Principal Axes: T 12.2,Plg58°,Azm290°; N −2.7, Plg32°,Azm110°; P −9.5,Plg0°,Azm200°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S318°, δ53°,λ131°. NP2:ϕ_S82°,δ53°,λ49°.

		(267) Djailolo Gilolo (Halmahera)						
ISC	**III**	**26 18 18 35.3**±.69	**2.78N**±.024	**128.21E**±.029	**134**±6.8	**5.7b**	**345**	**5-167**
BJI	III	26 18 18 34.4	2.77N	128.34E	132	6.2b		**¶97iii5051**
NEIC	III	26 18 18 34.7	2.80N	128.24E	127	5.7b		
MOS	III	26 18 18 35.6	2.8N	128.2E	135	6.1b		
EIDC	III	26 18 18 36.3	2.8N	128.3E	127	5.2b,4.6s		
HRVD	III	26 18 18 39.4±.2	2.94N±.02	128.25E±.02	131±.9			

NEIC Mw5.8(GS), Mw5.8(HRV). Felt.

NEIC Felt at Tomohon and Tondano, Sulawesi.

NEIC Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}3.39; $M_{\theta\theta}$2.49; $M_{\phi\phi}$−5.88; $M_{r\theta}$2.36; $M_{r\phi}$2.65; $M_{\theta\phi}$0.48. Depth 113km; Principal axes: T 5.83,Plg52°,Azm341°; N 0.76,Plg34°,Azm192°; P −6.59,Plg15°,Azm91°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S143°,δ42°,λ34°. NP2: ϕ_S27°,δ68°,λ127°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c72; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}3.15±.08; $M_{\theta\theta}$1.92±.12; $M_{\phi\phi}$−5.07±.13; $M_{r\theta}$2.20±.08; $M_{r\phi}$2.63±.08; $M_{\theta\phi}$2.81±.12. Principal Axes: T 6.12,Plg47°,Azm332°; N 0.30, Plg41°,Azm174°; P −6.42,Plg11°,Azm74°. Best double couple: $M_0$6.3×10^{17}Nm, NP1: ϕ_S126°,δ49°,λ30°. NP2:ϕ_S15°,δ68°,λ135°.

		(123) Northern Chile						
ISC	**IV**	**01 18 33 32.3**±.12	**18.25S**±.025	**69.48W**±.029	**114**±.6*	**5.9b**	**535**	**2-179**
MOS	IV	01 18 33 19.6	18.0S	69.4W	15	6.3b,5.6s		**¶97iv0122**
BJI	IV	01 18 33 32.1	17.85S	69.50W	103			
NEIC	IV	01 18 33 32.2	18.30S	69.53W	114	5.9b		
EIDC	IV	01 18 33 34.0	18.3S	69.4W	116	5.6b		
HRVD	IV	01 18 33 38.2±.1	18.32S±.01	69.54W±.01	118±.8			

NEIC Mw6.2(GS), Me5.9(GS)

NEIC Radiated energy from the P−wave first−motion solution: 1.6±0.4×10^{13}Nm/14

NEIC Mw 6.2 (HRV). Mb 6.2 (BRK). Felt I=V MM at Iquique and IV MM at Arica, Camarones and Putre. Felt V MM at Tacna, Peru. Landslides, avalanches and power outages occurred in the epicentral area.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S347°,δ82°,λ−55°. NP2:ϕ_S88°,δ36°,λ−166°. Principal axes: T Plg28°,Azm50°; P Plg42°,Azm290°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}−0.59; $M_{\theta\theta}$−0.27; $M_{\phi\phi}$0.86; $M_{r\theta}$0.35; $M_{r\phi}$−1.38; $M_{\theta\phi}$1.09. Depth 111km; Principal axes: T 1.98,Plg24°,Azm112°; N −0.06,Plg37°, Azm2°; P −1.92,Plg43°,Azm227°. Best double couple: $M_0$1.9×10^{18}Nm; NP1:ϕ_S250°,δ40°, λ−18°. NP2:ϕ_S354°,δ79°,λ−128°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c110; Mantle waves: s38,c63; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.79±.02; $M_{\theta\theta}$−0.70±.03; $M_{\phi\phi}$1.49±.03; $M_{r\theta}$0.53±.02; $M_{r\phi}$−1.31±.02; $M_{\theta\phi}$0.25±.03. Principal Axes: T 2.08,Plg25°,Azm90°; N −0.36,Plg27°,Azm347°; P −1.72,Plg52°,Azm216°. Best double couple: $M_0$1.9×10^{18}Nm, NP1:ϕ_S222°,δ32°,λ−30°. NP2:ϕ_S339°,δ75°,λ−118°.

		(95) Windward Islands						
ISC	**IV**	**02 06 14 33.6**±.34	**11.47N**±.023	**61.19W**±.019	**73**±3.0	**5.6b**	**653**	**0-171**
EIDC	IV	02 06 14 27.7	11.4N	61.1W	16	5.4b,5.0s		**¶97iv0196**
NEIC	IV	02 06 14 31.0	11.41N	60.94W	45	5.8b,5.5s		
BJI	IV	02 06 14 31.4	11.76N	61.26W	45	6.0s		
TRN	IV	02 06 14 32.4	11.4N	60.8W	34	5.6D		
MOS	IV	02 06 14 32.6	11.5N	61.2W	61	6.1b,5.4s		
HRVD	IV	02 06 14 35.6±.1	11.39N±.01	60.74W±.01	34±1.0			

NEIC Mw6.1(GS)

NEIC Mw 6.1 (HRV). Some damage to buildings on Trinidad and Tobago. Felt I=VI MM on Tobago; IV MM on Trinidad; II MM on Martinique and St. Vincent. Also felt II MM in Guyana.

NEIC Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}−0.10; $M_{\theta\theta}$0.21; $M_{\phi\phi}$−0.11; $M_{r\theta}$0.47; $M_{r\phi}$−0.02; $M_{\theta\phi}$1.43. Depth 46km; Principal axes: T 1.56,Plg12°,Azm320°; N −0.09,Plg72°, Azm88°; P −1.47,Plg14°,Azm227°. Best double couple: $M_0$1.5×10^{18}Nm; NP1:ϕ_S3°,δ72°, λ−178°. NP2:ϕ_S273°,δ88°,λ−18°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c102; Mantle waves: s49,c71; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.08±.01; $M_{\theta\theta}$−0.57±.01; $M_{\phi\phi}$0.64±.01; $M_{r\theta}$0.63±.03; $M_{r\phi}$−0.19±.03; $M_{\theta\phi}$1.21±.01. Principal Axes: T 1.42,Plg7°,Azm303°; N 0.18,Plg66°,Azm50°; P −1.59,Plg23°,Azm210°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S349°,δ69°,λ−168°. NP2:ϕ_S255°,δ79°,λ−22°.

		(207) Eastern New Guinea region						
ISC	**IV**	**05 12 23 30.3**±.80	**6.54S**±.025	**147.46E**±.028	**67**±7.5	**5.7b**	**650**	**1-164**
MOS	IV	05 12 23 28.9	6.4S	147.4E	51	6.4b,6.0s		**¶97iv0768**
EIDC	IV	05 12 23 30.1	6.5S	147.5E	56	5.4b,5.2s		
BJI	IV	05 12 23 30.4	6.50S	147.48E	71	5.9b,6.2s		
NEIC	IV	05 12 23 30.5	6.49S	147.41E	69	6.1b		
HRVD	IV	05 12 23 37.0±.1	6.57S±.01	147.67E±.01	53±.4			

NEIC Mw6.5(HRV), Me6.2(GS).

NEIC Mw 6.4 (GS).

NEIC Radiated energy from the P−wave first−motion solution: 5.2±1.5×10^{13}Nm/12

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S245°,δ55°,λ−60°. NP2:ϕ_S20°,δ45°,λ−126°. Principal axes: T Plg6°,Azm314°; P Plg65°,Azm212°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s30, scale 10^{18}Nm; M_{rr}−4.10; $M_{\theta\theta}$5.32; $M_{\phi\phi}$−1.20; $M_{r\theta}$0.85; $M_{r\phi}$0.27; $M_{\theta\phi}$−0.20. Depth 66km; Principal axes: T 5.40,Plg5°,Azm2°; N −1.19,Plg6°, Azm271°; P −4.21,Plg82°,Azm133°. Best double couple: $M_0$4.8×10^{18}Nm; NP1:ϕ_S98°,δ40°, λ−81°. NP2:ϕ_S266°,δ50°,λ−97°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s63,c120; Mantle waves: s57,c114; Half duration: 3s9. Moment tensor: Scale 10^{18}Nm; M_{rr}−4.59±.04; $M_{\theta\theta}$6.43±.03; $M_{\phi\phi}$−1.84±.04; $M_{r\theta}$0.57±.05; $M_{r\phi}$−0.29±.05; $M_{\theta\phi}$−0.86±.03. Principal Axes: T 6.55,Plg3°,Azm6°; N −1.91,Plg5°,Azm96°; P −4.65,Plg84°,Azm244°. Best double couple: $M_0$5.6×10^{18}Nm, NP1:ϕ_S91°,δ42°,λ−97°. NP2:ϕ_S281°,δ48°,λ−84°.

		(74) Near coast of Nicaragua						
ISC	**IV**	**07 04 27 24.8**±.64	**11.42N**±.048	**86.50W**±.040	**89**±7.0	**4.9b**	**241**	**5-167**
NEIC	IV	07 04 27 19.2	11.43N	86.61W	33	5.2b,5.0s		**¶97iv1100**
MOS	IV	07 04 27 19.7	11.4N	86.6W	33	5.3b		
BJI	IV	07 04 27 20.0	11.64N	86.70W	43	5.7s		
HRVD	IV	07 04 27 24.9±.2	11.26N±.02	86.93W±.03	30			
EIDC	IV	07 04 27 27.8	11.5N	86.4W	103	4.5b,4.7s		

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.43±.04; $M_{\theta\theta}$−1.10±.05; $M_{\phi\phi}$−0.33±.06; $M_{r\theta}$1.34±.11; $M_{r\phi}$−1.18±.10; $M_{\theta\phi}$0.93±.04. Principal Axes: T 2.25,Plg65°,Azm50°; N 0.27, Plg5°,Azm308°; P −2.52,Plg24°,Azm216°. Best double couple: $M_0$2.4×10^{17}Nm, NP1: ϕ_S295°,δ21°,λ75°. NP2:ϕ_S130°,δ69°,λ96°.

(266) Molucca Passage

ISC	**IV**	**07 13 14 18.6**±.67	**0.34N**±.025	**125.33E**±.034	**74**±6.5	**5.1b**	**225**	**2-163**
EIDC	IV	07 13 14 16.6	0.4N	125.4E	42	5.0b,4.6s		**¶97iv1166**
MOS	IV	07 13 14 17.0	0.4N	125.3E	60	5.9b,4.9s		
BJI	IV	07 13 14 17.1	0.42N	125.22E	60	5.5b,4.9s		
NEIC	IV	07 13 14 17.4	0.34N	125.30E	60	5.5b		
HRVD	IV	07 13 14 22.3±.1	0.35N±.02	125.57E±.02	48±1.6			

NEIC Mw5.8(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c84; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.06; $M_{\theta\theta}$−1.19±.08; $M_{\phi\phi}$−1.70±.11; $M_{r\theta}$1.86±.12; $M_{r\phi}$3.80±.14; $M_{\theta\phi}$−1.71±.08. Principal Axes: T 5.13,Plg62°,Azm287°; N 0.14, Plg8°,Azm31°; P −5.27,Plg27°,Azm125°. Best double couple: $M_0$5.2×10^{17}Nm, NP1:ϕ_S234°, δ19°,λ114°. NP2:ϕ_S29°,δ73°,λ82°.

(115) Near coast of Peru

ISC	**IV**	**07 23 01 34**±1.5	**16.7S**±.12	**72.73W**±.099	**87**±14	**4.3b**	**35**	**4-152**
NEIC	IV	07 23 01 29.5	16.69S	72.84W	46	4.5b		**¶97iv1239**
BJI	IV	07 23 01 31.5	16.70S	72.80W	46	5.7s		
EIDC	IV	07 23 01 31.6	16.7S	73.0W	52	4.1b,3.3s		

NEIC Less reliable solution.

(249) Luzon

ISC	**IV**	**08 18 07 10.8**±.41	**18.40N**±.021	**120.96E**±.027	**78**±3.7	**5.9b**	**606**	**0-172**
MOS	IV	08 18 07 09.0	18.5N	121.0E	62	6.4b		**¶97iv1381**
BJI	IV	08 18 07 09.3	18.39N	121.01E	70	6.0b,5.4s		
NEIC	IV	08 18 07 09.5	18.32N	120.95E	71	6.0b		
HRVD	IV	08 18 07 10.7±.1	18.41N±.01	120.90E±.02	65±1.2			
EIDC	IV	08 18 07 13.0	18.5N	121.1E	87	5.6b,4.7s		

NEIC Mw5.8(GS), Me5.5(GS)

NEIC Mw 5.8 (HRV). Felt in the Laoag area.

NEIC Radiated energy from the P−wave first−motion solution: 3.4±1.1×10^{12}Nm/11

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ30°,λ−60°. NP2:ϕ_S71°,δ64°,λ−106°. Principal axes: T Plg18°,Azm173°; P Plg67°,Azm312°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s21, scale 10^{17}Nm; M_{rr}−2.62; $M_{\theta\theta}$4.57; $M_{\phi\phi}$−1.95; $M_{r\theta}$−5.06; $M_{r\phi}$−0.98; $M_{\theta\phi}$0.00. Depth 65km; Principal axes: T 7.20,Plg27°,Azm177°; N −1.75,Plg11°, Azm81°; P −5.45,Plg60°,Azm331°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S293°,δ20°, λ−56°. NP2:ϕ_S78°,δ73°,λ−102°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c97; Mantle waves: s21,c25; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.24±.09; $M_{\theta\theta}$4.12±.10; $M_{\phi\phi}$−1.88±.14; $M_{r\theta}$−4.86±.10; $M_{r\phi}$−1.10±.09; $M_{\theta\phi}$0.29±.10. Principal Axes: T 6.82,Plg29°,Azm174°; N −1.74,Plg10°,Azm78°; P −5.09,Plg59°,Azm330°. Best double couple: $M_0$6.0×10^{17}Nm, NP1:ϕ_S291°,δ19°,λ−56°. NP2:ϕ_S75°,δ74°,λ−101°.

(259) Mindanao

ISC	**IV**	**11 07 50 30.5**±.63	**5.65N**±.030	**125.23E**±.051	**86**±6.1	**4.6b**	**109**	**1-149**
MOS	IV	11 07 50 25.9	5.7N	125.2E	43	5.6b		**¶97iv1834**
BJI	IV	11 07 50 29.1	5.60N	125.39E	81	5.0b,4.5s		
NEIC	IV	11 07 50 29.4	5.66N	125.18E	77	4.9b		
EIDC	IV	11 07 50 31.1	5.7N	125.4E	79	4.3b		

(177) Kermadec Islands region

ISC	**IV**	**12 09 21 47**±1.3	**28.10S**±.046	**178.32W**±.036	**98**±12	**5.8b**	**618**	**1-171**
MOS	IV	12 09 21 53.6	28.0S	178.3W	154	5.9b		**¶97iv2046**
NEIC	IV	12 09 21 56.4	28.17S	178.37W	184	5.8b		
BJI	IV	12 09 21 57.0	27.96S	178.06W	190	5.9b		
EIDC	IV	12 09 21 58.4	28.1S	178.3W	188	5.0b		
HRVD	IV	12 09 22 01.8±.1	27.94S±.01	178.10W±.01	192±.6			

NEIC Mw6.0(GS), Me5.7(GS).

NEIC Mw 6.0 (HRV).

NEIC Radiated energy from the P−wave first−motion solution: 9.4±1.5×10^{12}Nm/13

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S130°,δ70°,λ−135°. NP2:ϕ_S21°,δ48°,λ−27°. Principal axes: T Plg13°,Azm251°; P Plg45°,Azm355°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s32, scale 10^{17}Nm; M_{rr}−5.84; $M_{\theta\theta}$−0.18; $M_{\phi\phi}$6.02; $M_{r\theta}$−6.06; $M_{r\phi}$3.41; $M_{\theta\phi}$−3.46. Depth 180km; Principal axes: T 9.77,Plg21°,Azm238°; N 0.00,Plg22°, Azm139°; P −9.77,Plg59°,Azm8°. Best double couple: $M_0$9.8×10^{17}Nm; NP1:ϕ_S1°,δ30°, λ−43°. NP2:ϕ_S130°,δ70°,λ−113°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c116; Half duration: 2s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−5.62±.10; $M_{\theta\theta}$−3.29±.15; $M_{\phi\phi}$8.91±.15; $M_{r\theta}$−5.41±.11; $M_{r\phi}$2.00±.11; $M_{\theta\phi}$−0.38±.14. Principal Axes: T 9.3,Plg10°,Azm264°; N 0.8, Plg37°,Azm167°; P −10.1,Plg51°,Azm6°. Best double couple: $M_0$9.7×10^{17}Nm, NP1:ϕ_S30°, δ48°,λ−36°. NP2:ϕ_S146°,δ64°,λ−132°.

(259) Mindanao

ISC	**IV**	**13 04 53 57.6**±.73	**7.98N**±.031	**126.65E**±.053	**60**±6.6	**5.0b**	**170**	**0-171**
MOS	IV	13 04 53 54.6	8.0N	126.6E	34	5.5b		**¶97iv2190**
BJI	IV	13 04 53 56.4	8.04N	126.66E	55	5.0b,4.5s		
NEIC	IV	13 04 53 56.5	7.98N	126.62E	50	5.2b,4.3s		
EIDC	IV	13 04 54 00.0	8.0N	126.7E	69	4.8b,3.8s		

(127) Chile-Argentina border region

ISC	**IV**	**20 19 53 16.7**±.32	**33.98S**±.041	**70.15W**±.055	**109**±2.6	**5.2b**	**202**	**0-179**
BJI	IV	20 19 53 15.5	34.00S	69.90W	105			**¶97iv3352**
NEIC	IV	20 19 53 15.5	34.04S	69.98W	105	5.3b		
EIDC	IV	20 19 53 17.5	34.0S	70.3W	110	4.8b,4.1s		
MOS	IV	20 19 53 17.6	33.9S	70.4W	112	5.6b		
GUC	IV	20 19 53 17.7	34.00S	70.45W	107	5.5b		
HRVD	IV	20 19 53 22.3±.1	33.85S±.02	70.39W±.03	116±1.2			

NEIC Mw5.6(HRV)

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c74; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.08±.05; $M_{\theta\theta}$−0.30±.10; $M_{\phi\phi}$1.38±.10; $M_{r\theta}$−0.19±.05; $M_{r\phi}$−2.52±.05; $M_{\theta\phi}$0.08±.08. Principal Axes: T 2.96,Plg32°,Azm93°; N −0.30, Plg1°,Azm184°; P −2.66,Plg58°,Azm275°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: ϕ_S181°,δ13°,λ−93°. NP2:ϕ_S4°,δ77°,λ−89°.

(269) Molucca Sea

ISC	**IV**	**21 02 42 49.5**±.60	**0.15S**±.025	**124.24E**±.035	**88**±6.0	**5.1b**	**242**	**2-163**
KLM	IV	21 02 42 45	0.1S	124.0E	50	4.9L		**¶97iv3392**
NEIC	IV	21 02 42 45.2	0.15S	124.07E	50	5.4b,4.8s		
BJI	IV	21 02 42 45.7	0.08S	124.31E	52	5.2b,4.8s		
MOS	IV	21 02 42 46.2	0.1S	124.1E	55	5.6b		
EIDC	IV	21 02 42 48.5	0.2S	124.1E	64	4.8b,4.2s		
HRVD	IV	21 02 42 53.8±.2	0.04S±.03	124.71E±.03	55±2.2			

KLM Mb5.4

NEIC Mw5.5(GS), Mw5.5(HRV).

NEIC Moment tensor solution: s13, scale 10^{17}Nm; M_{rr}1.74; $M_{\theta\theta}$0.10; $M_{\phi\phi}$−1.84; $M_{r\theta}$−0.39; $M_{r\phi}$1.06; $M_{\theta\phi}$0.67. Depth 40km; Principal axes: T 2.06,Plg75°,Azm246°; N 0.31,Plg2°, Azm342°; P −2.36,Plg15°,Azm72°. Best double couple: $M_0$2.2×10^{17}Nm; NP1:ϕ_S165°,δ30°, λ93°. NP2:ϕ_S341°,δ60°,λ88°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c65; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.75±.06; $M_{\theta\theta}$−0.20±.08; $M_{\phi\phi}$−1.56±.11; $M_{r\theta}$0.03±.09; $M_{r\phi}$1.13±.09; $M_{\theta\phi}$−1.17±.07. Principal Axes: T 2.15,Plg68°,Azm245°; N 0.32, Plg16°,Azm23°; P −2.47,Plg14°,Azm117°. Best double couple: $M_0$2.3×10^{17}Nm, NP1: ϕ_S229°,δ35°,λ120°. NP2:ϕ_S14°,δ61°,λ71°.

(184) Santa Cruz Islands

ISC	**IV**	**21 12 02 30**±1.3	**12.60S**±.028	**166.64E**±.030	**66**±12	**6.0b**	**806**	**5-170**
BJI	IV	21 12 02 26.2	12.60S	166.77E	35	6.3b,7.6s		**¶97iv3460**
NEIC	IV	21 12 02 26.4	12.58S	166.68E	33	6.4b,7.9s		
MOS	IV	21 12 02 26.9	12.5S	166.7E	34	6.6b,7.6s		
EIDC	IV	21 12 02 30.6	12.7S	166.7E	59	5.3b,7.3s		
HRVD	IV	21 12 03 08.7±.2	13.21S±.01	166.20E±.01	51±.6			

NEIC Ms7.9(BRK), Mw7.7(GS)

NEIC Radiated energy from the P−wave first−motion solution: 8.3±1.6×10^{15}Nm/21

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ75°,λ120°. NP2:ϕ_S294°,δ33°,λ28°. Principal axes: T Plg51°,Azm124°; P Plg24°,Azm247°. Complex earthquake with at least one large event occurring about 26 seconds after small initial onset. Depth and focal mechanism based on largest event.

NEIC Moment tensor solution: s36, scale 10^{20}Nm; M_{rr}2.43; $M_{\theta\theta}$0.20; $M_{\phi\phi}$−2.63; $M_{r\theta}$−1.43; $M_{r\phi}$−2.22; $M_{\theta\phi}$−0.61. Depth 28km; Principal axes: T 3.65,Plg64°,Azm138°; N 0.12,Plg12°, Azm22°; P −3.77,Plg22°,Azm287°. Best double couple: $M_0$3.7×10^{20}Nm; NP1:ϕ_S355°,δ25°, λ61°. NP2:ϕ_S207°,δ68°,λ103°.

NEIC Mw 7.7 (HRV). Me 7.7 (GS). Local tsunami generated with wave heights up to 3 meters along the coasts of the Solomon and Vanuatu Islands, causing damage to some houses. Minor tsunami recorded on Funafuti, Tuvalu and at Suva, Fiji. Felt at Honiara, Solomon Islands and on Santo, Vanuatu Islands. Mo=7.0×10^{20}Nm (PPT).

HRVD Centroid moment tensor solution. Data used: GSN; Mantle waves: s47,c88; Half duration: 14s4. Moment tensor: Scale 10^{20}Nm; M_{rr}2.74±.04; $M_{\theta\theta}$−0.07±.02; $M_{\phi\phi}$−2.66±.03; $M_{r\theta}$−0.75±.05; $M_{r\phi}$−2.50±.06; $M_{\theta\phi}$2.27±.02. Principal Axes: T 4.31,Plg57°,Azm131°; N 0.16, Plg29°,Azm344°; P −4.46,Plg15°,Azm245°. Best double couple: $M_0$4.4×10^{20}Nm, NP1: ϕ_S301°,δ39°,λ40°. NP2:ϕ_S178°,δ66°,λ122°.

HNR Mag 7.7, felt at Honiara

(274) Southern Sumatera

ISC	**IV**	**22 05 55 58.4**±.56	**3.38S**±.026	**102.10E**±.028	**101**±5.2	**5.6b**	**442**	**4-165**
BJI	IV	22 05 55 57.2	3.54S	102.02E	101	5.9b		**¶97iv3652**
MOS	IV	22 05 55 58.6	3.3S	102.1E	98	6.1b		
KLM	IV	22 05 55 59	3.3S	102.1E	108	5.2L		
NEIC	IV	22 05 55 59.3	3.37S	102.14E	108	5.6b		
EIDC	IV	22 05 55 59.7	3.4S	102.1E	101	5.4b,4.5s		
HRVD	IV	22 05 56 03.9±.2	3.44S±.02	101.87E±.02	108±1.4			

KLM Mb5.6

NEIC Mw5.9(GS), Mw5.9(HRV)

NEIC Felt at Bengkulu.

NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}2.59; $M_{\theta\theta}$−4.49; $M_{\phi\phi}$1.89; $M_{r\theta}$4.97; $M_{r\phi}$−2.15; $M_{\theta\phi}$−3.95. Depth 97km; Principal axes: T 7.71,Plg43°,Azm51°; N 0.08,Plg39°, Azm271°; P −7.79,Plg22°,Azm162°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S207°,δ42°, λ20°. NP2:ϕ_S102°,δ77°,λ130°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c98; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}1.57±.11; $M_{\theta\theta}$−3.23±.18; $M_{\phi\phi}$1.66±.21; $M_{r\theta}$5.41±.11; $M_{r\phi}$−1.98±.11; $M_{\theta\phi}$−3.23±.16. Principal Axes: T 7.25,Plg42°,Azm46°; N −0.16, Plg34°,Azm278°; P −7.09,Plg29°,Azm167°. Best double couple: $M_0$7.2×10^{17}Nm, NP1: ϕ_S205°,δ35°,λ13°. NP2:ϕ_S104°,δ82°,λ124°.

(216) Marianas

ISC	**IV**	**23 19 44 29.9**±.52	**13.93N**±.022	**144.94E**±.027	**114**±4.8	**5.9b**	**627**	**0-174**
NEIC	IV	23 19 44 28.4	13.99N	144.90E	101	6.2b		**¶97iv4021**
MOS	IV	23 19 44 28.7	14.0N	144.9E	102	6.0b		
EIDC	IV	23 19 44 29.3	14.0N	145.2E	99	5.6b,5.6s		
BJI	IV	23 19 44 29.5	13.91N	145.05E	113	5.9b		
HRVD	IV	23 19 44 33.8±.1	13.83N±.01	145.05E±.01	95±.4			

NEIC Mw6.5(GS), Me6.2(GS)

NEIC Radiated energy from the P−wave first−motion solution: 4.4±1.4×10^{13}Nm/12

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S175°,δ45°,λ−40°. NP2:ϕ_S296°,δ63°, λ−127°. Principal axes: T Plg10°,Azm52°; P Plg55°,Azm157°. Depth from synthetics of broadband displacement seismograms.

NEIC Mw 6.5 (HRV). Four people injured and some damage to buildings on Guam. Felt I=VII MM at Inarajan, Merizo and Yona; VI MM in central Guam; IV MM at Dededo and Yigo, Guam. Felt strongly on Rota, Saipan and Tinian. Power outages occurred on Guam and Rota.

NEIC Moment tensor solution: s44, scale 10^{18}Nm; M_{rr}−4.08; $M_{\theta\theta}$2.64; $M_{\phi\phi}$1.43; $M_{r\theta}$2.21; $M_{r\phi}$0.98; $M_{\theta\phi}$−4.82. Depth 94km; Principal axes: T 7.00,Plg5°,Azm40°; N −1.21,Plg36°,Azm306°; P −5.78,Plg53°,Azm138°. Best double couple: $M_0$6.4×10^{18}Nm; NP1:ϕ_S163°,δ51°,λ−40°. NP2: ϕ_S281°,δ60°,λ−133°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c114; Mantle waves: s44,c89; Half duration: 4s3. Moment tensor: Scale 10^{18}Nm; M_{rr}−4.65±.04; $M_{\theta\theta}$2.78±.04; $M_{\phi\phi}$1.87±.04; $M_{r\theta}$2.06±.04; $M_{r\phi}$1.02±.04; $M_{\theta\phi}$−4.49±.03. Principal Axes: T 6.90,Plg4°,Azm41°; N −0.97,Plg30°,Azm309°; P −5.93,Plg60°,Azm139°. Best double couple: $M_0$6.4×10^{18}Nm, NP1:ϕ_S159°,δ48°,λ−49°. NP2:ϕ_S286°,δ56°,λ−126°.

(216) Marianas

ISC	**IV**	**29 17 21 59.1**±.54	**14.04N**±.027	**145.41E**±.041	**108**±5.0	**5.1b**	**178**	**1-167**
MOS	IV	29 17 21 57.8	14.0N	145.6E	107	5.5b		**¶97iv5104**
NEIC	IV	29 17 21 57.9	14.08N	145.35E	98	5.2b		
BJI	IV	29 17 21 58.0	14.45N	145.35E	69	5.2b,4.7s		
HRVD	IV	29 17 21 59.4±.3	13.84N±.03	145.44E±.04	97±3.5			
EIDC	IV	29 17 21 59.4	14.0N	145.5E	104	4.7b		

NEIC Mw5.4(HRV)

NEIC Felt I=V MM at Andersen AFB, IV MM at Potts Junction and III MM in the northern part of Guam. Also felt on Saipan.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c47; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.33±.33; $M_{\theta\theta}$6.50±.56; $M_{\phi\phi}$0.83±.64; $M_{r\theta}$9.18±.46; $M_{r\phi}$6.29±.43; $M_{\theta\phi}$1.55±.48. Principal Axes: T 12.7,Plg29°,Azm336°; N 1.0, Plg8°,Azm241°; P −13.7,Plg60°,Azm138°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S87°, δ18°,λ−63°. NP2:ϕ_S239°,δ74°,λ−98°.

(259) Mindanao

ISC	**V**	**06 01 21 50.4**±.71	**6.01N**±.033	**126.91E**±.063	**135**±6.5	**4.8b**	**112**	**2-162**
MOS	V	06 01 21 39.6	6.1N	126.8E	33	5.7b		**¶97v0876**
BJI	V	06 01 21 50.4	5.88N	126.88E	143	5.3b		
NEIC	V	06 01 21 50.8	6.03N	126.89E	138	5.1b		
EIDC	V	06 01 21 51.7	6.0N	126.9E	132	4.5b,3.4s		

(74) Near coast of Nicaragua

ISC	**V**	**08 14 01 15.6**±.69	**12.19N**±.051	**87.30W**±.046	**113**±7.1	**5.2b**	**252**	**6-162**
HRVD	V	08 14 01 10.2±.5	11.69N±.04	87.73W±.04	44±3.0			**¶97v1254**
NEIC	V	08 14 01 10.2	12.27N	87.20W	59	5.3b		
BJI	V	08 14 01 10.8	12.43N	87.58W	48	6.2s		
EIDC	V	08 14 01 15.7	12.3N	87.3W	94	5.0b,5.0s		
MOS	V	08 14 01 21.2	12.3N	87.5W	157	5.7b		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c50; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}2.12±.10; $M_{\theta\theta}$−2.64±.16; $M_{\phi\phi}$0.52±.22; $M_{r\theta}$1.30±.20; $M_{r\phi}$−0.73±.18; $M_{\theta\phi}$1.30±.10. Principal Axes: T 2.54,Plg73°,Azm51°; N 0.95, Plg8°,Azm293°; P −3.49,Plg15°,Azm201°. Best double couple: $M_0$3.0×10^{17}Nm, NP1: ϕ_S279°,δ31°,λ74°. NP2:ϕ_S118°,δ60°,λ100°.

NEIC Mw5.6(HRV).

(228) Near east coast of Honshū

ISC	**V**	**11 22 59 40.3**±.26	**37.12N**±.019	**141.01E**±.027	**64**±2.3	**5.5b**	**664**	**0-163**
BJI	V	11 22 59 36.7	37.00N	141.13E	48	5.6b,5.1s		**¶97v1857**
MOS	V	11 22 59 37.6	37.3N	140.9E	34	6.1b		
JMA	V	11 22 59 38.2±.1	37.06N±.01	141.25E±.02	54±3	5.5		
NEIC	V	11 22 59 38.2	37.09N	140.91E	49	5.5b,5.3s		
EIDC	V	11 22 59 40.4	37.1N	141.0E	56	4.9b		
HRVD	V	11 22 59 42.9±.8	37.09N	140.91E	58±8.7			

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °

JMA Felt I= IV J1
NEIC Mw5.9(HRV)
NEIC Felt I=IV J at Koriyama, III J at Sendai and II J at Morioka and Tokyo.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c14; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}3.09±.44; $M_{\theta\theta}$3.28±1.11; $M_{\phi\phi}$−6.36±1.10; $M_{r\theta}$4.00±.85; $M_{r\phi}$3.85±.78; $M_{\theta\phi}$−5.33±.78. Principal Axes: T 7.3,Plg38°,Azm9°; N 3.4, Plg45°,Azm229°; P −10.7,Plg21°,Azm117°. Best double couple: $M_0$9.0×10^{17}Nm, NP1: ϕ_S160°,δ47°,λ15°. NP2:ϕ_S60°,δ79°,λ136°.

(717) Afghanistan-USSR border region

ISC	**V**	**13 14 13 46.3**±.39	**36.48N**±.022	**71.00E**±.018	**198**±4.0	**5.9b**	**809**	**3-150**
NEIC	V	13 14 13 45.7	36.41N	70.95E	196	6.1b		**¶97v2268**
MOS	V	13 14 13 46.4	36.5N	71.0E	197	6.4b		
BJI	V	13 14 13 46.5	36.62N	70.96E	202	5.9b		
EIDC	V	13 14 13 47.8	36.4N	71.0E	203	5.8b		
HRVD	V	13 14 13 48.8±.1	36.51N±.01	70.68E±.01	189±.4			
RYD	V	13 14 13 52.2	36.3N	71.2E	134			

NEIC Mw6.5(GS), Me6.3(GS)
NEIC Radiated energy from the P−wave first−motion solution: 6.7±1.6×10^{13}Nm/19
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ60°,λ70°. NP2:ϕ_S291°,δ36°,λ121°. Principal axes: T Plg68°,Azm304°; P Plg13°,Azm179°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s37, scale 10^{18}Nm; M_{rr}4.99; $M_{\theta\theta}$−4.36; $M_{\phi\phi}$−0.63; $M_{r\theta}$1.69; $M_{r\phi}$2.53; $M_{\theta\phi}$−1.93. Depth 189km; Principal axes: T 6.05,Plg70°,Azm285°; N −0.24,Plg14°, Azm60°; P −5.81,Plg14°,Azm153°. Best double couple: $M_0$5.9×10^{18}Nm; NP1:ϕ_S262°,δ34°, λ116°. NP2:ϕ_S51°,δ60°,λ74°.
NEIC Mw 6.4 (HRV). Mb 6.4 (BRK). One person killed and eleven injured in the Malakand-Peshawar area, Pakistan. One person injured at Kabul, Afghanistan. Houses damaged in many parts of northern Pakistan and at Srinagar, Kashmir. Felt strongly throughout northeastern Afghanistan, northern Pakistan and Tajikistan. Felt in Himachal Pradesh and as far as Delhi, India.
MOS Felt I=III MSK at Chardzhou, Daraut−Kurgan, Sufi−Kurgan; I=II−III at Chimkent; I=II at Bishkek.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c130; Mantle waves: s52,c109; Half duration: 4s0. Moment tensor: Scale 10^{18}Nm; M_{rr}4.09±.03; $M_{\theta\theta}$−4.13±.03; $M_{\phi\phi}$0.04±.03; $M_{r\theta}$1.09±.03; $M_{r\phi}$2.28±.02; $M_{\theta\phi}$−1.40±.03. Principal Axes: T 5.13,Plg66°,Azm277°; N −0.23,Plg20°,Azm65°; P −4.90,Plg12°,Azm159°. Best double couple: $M_0$5.0×10^{18}Nm, NP1:ϕ_S273°,δ38°,λ124°. NP2:ϕ_S52°,δ60°,λ66°.

(2) Southern Alaska

ISC	**V**	**13 23 11 03.9**±.27	**61.23N**±.030	**150.93W**±.050	**67**±2.7	**4.5b**	**186**	**0-151**
BJI	V	13 23 11 00.5	61.58N	151.50W	26	5.0b,5.8s		**¶97v2349**
MOS	V	13 23 11 03.0	61.1N	150.9W	55	5.3b		
NEIC	V	13 23 11 05.3	61.05N	150.77W	59	4.7b		
EIDC	V	13 23 11 05.4	61.2N	150.8W	67	4.2b,3.0s		

NEIC M_L5.0(AEIC), M_L5.0(PMR). Felt I=IV MM, After AEIC.
NEIC Felt I=IV MM at Anchorage, Big Lake, Eagle River, Palmer and Soldotna. Also felt at Butte, Kashwitna and Wasilla.

(718) Hindu Kush region

ISC	**V**	**15 18 30 25.7**±.42	**36.47N**±.029	**70.92E**±.027	**197**±4.6	**4.9b**	**381**	**3-150**
NEIC	V	15 18 30 24.2	36.40N	70.86E	185	5.0b		**¶97v2660**
BJI	V	15 18 30 24.5	36.53N	70.89E	182	5.3b		
MOS	V	15 18 30 25.3	36.5N	71.0E	187	5.7b		
EIDC	V	15 18 30 26.1	36.4N	70.9E	190	4.8b		

(123) Northern Chile

ISC	**V**	**17 02 10 15.9**±.58	**27.10S**±.031	**69.48W**±.040	**77**±5.7	**5.5b**	**376**	**4-175**
EIDC	V	17 02 10 17.8	27.1S	69.5W	87	5.2b,4.6s		**¶97v2868**
BJI	V	17 02 10 18.9	27.20S	69.50W	106			
NEIC	V	17 02 10 18.9	27.16S	69.50W	106	5.5b		
MOS	V	17 02 10 20.5	26.9S	69.5W	111	5.6b		
HRVD	V	17 02 10 26.0±.3	27.06S±.03	70.06W±.04	121±1.6			

NEIC Mw5.5(GS), Mw5.5(HRV)
NEIC Felt I=V MM at Copiapo; IV MM at El Salvador, Inca de Oro and Potrerillos; III MM at Diego de Almagro; II MM at Taltal.
NEIC Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}−0.78; $M_{\theta\theta}$−0.43; $M_{\phi\phi}$1.21; $M_{r\theta}$−0.65; $M_{r\phi}$1.35; $M_{\theta\phi}$0.48. Depth 114km; Principal axes: T 1.90,Plg26°,Azm274°; N 0.00,Plg27°, Azm170°; P −1.90,Plg51°,Azm41°. Best double couple: $M_0$1.9×10^{17}Nm; NP1:ϕ_S48°,δ31°, λ−28°. NP2:ϕ_S162°,δ76°,λ−118°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c54; Mantle waves: s30,c30; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.47±.06; $M_{\theta\theta}$1.03±.10; $M_{\phi\phi}$−0.56±.11; $M_{r\theta}$−0.85±.06; $M_{r\phi}$1.99±.07; $M_{\theta\phi}$−0.39±.10. Principal Axes: T 2.17,Plg36°,Azm220°; N 0.37,Plg23°,Azm328°; P −2.54,Plg45°,Azm83°. Best double couple: $M_0$2.3×10^{17}Nm, NP1:ϕ_S251°,δ23°,λ−168°. NP2:ϕ_S150°,δ85°,λ−67°.

(266) Molucca Passage

ISC	**V**	**19 08 49 39**±1.1	**2.59N**±.033	**126.80E**±.065	**63**±10	**4.9b**	**107**	**5-160**
EIDC	V	19 08 49 32.5	2.6N	126.8E	0	4.8b,3.7s		**¶97v3230**
BJI	V	19 08 49 34.1	2.25N	126.67E	38	5.1b,4.8s		
MOS	V	19 08 49 36.0	2.7N	126.9E	33	5.6b		
NEIC	V	19 08 49 36.1	2.60N	126.79E	33	5.0b,4.1s		

(186) Vanuatu (New Hebrides)

ISC	**V**	**21 14 10 28.1**±.82	**20.39S**±.026	**169.23E**±.028	**69**±7.6	**5.7b**	**637**	**3-171**
MOS	V	21 14 10 25.0	20.4S	169.4E	43	6.3b,6.4s		**¶97v3565**
NEIC	V	21 14 10 26.2	20.44S	169.29E	57	5.9b,6.5s		
BJI	V	21 14 10 26.7	20.32S	169.69E	69	5.7b,6.5s		
EIDC	V	21 14 10 29.1	20.4S	169.3E	69	5.5b,5.8s		
HRVD	V	21 14 10 35.0±.1	20.34S	169.03E±.01	64			

NEIC Mw6.8(HRV), Me6.5(GS
NEIC Radiated energy from the P−wave first−motion solution: 1.1±0.2×10^{14}Nm/20
NEIC Mw 6.6 (GS). Ms 6.1 (BRK). Felt I=V MM at Noumea, New Caledonia. Also felt at Port-Vila. Mo=2.3×10^{19}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S191°,δ71°,λ140°. NP2:ϕ_S296°,δ53°,λ24°. Principal axes: T Plg41°,Azm147°; P Plg12°,Azm247°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}3.19; $M_{\theta\theta}$0.32; $M_{\phi\phi}$−3.51; $M_{r\theta}$0.24; $M_{r\phi}$−7.90; $M_{\theta\phi}$3.11. Depth 53km; Principal axes: T 8.71,Plg53°,Azm108°; N 0.80,Plg18°, Azm353°; P −9.50,Plg31°,Azm252°. Best double couple: $M_0$9.1×10^{18}Nm; NP1:ϕ_S298°,δ22°, λ34°. NP2:ϕ_S177°,δ78°,λ108°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s60,c152; Mantle waves: s55,c133; Half duration: 1s0. Moment tensor: Scale 10^{19}Nm; M_{rr}0.07±.01; $M_{\theta\theta}$−0.17±.00; $M_{\phi\phi}$0.10±.00; $M_{r\theta}$0.01±.01; $M_{r\phi}$−0.98±.01; $M_{\theta\phi}$1.05±.00. Principal Axes: T 1.46,Plg31°,Azm123°; N −0.03,Plg47°,Azm353°; P −1.44,Plg27°,Azm230°. Best double couple: $M_0$1.5×10^{19}Nm, NP1:ϕ_S268°,δ47°,λ3°. NP2:ϕ_S176°,δ88°,λ137°.

(59) Guerrero, Mexico

ISC	**V**	**22 07 50 55.3**±.43	**18.67N**±.031	**101.66W**±.028	**85**±3.3	**5.8b**	**569**	**1-151**
NEIC	V	22 07 50 53.5	18.68N	101.60W	70	5.9b,6.0s		**¶97v3733**
MOS	V	22 07 50 53.7	18.7N	101.6W	70	6.3b,6.2s		
BJI	V	22 07 50 54.6	18.49N	101.36W	78	5.9b,6.6s		
MEX	V	22 07 50 55.8	18.4N	101.8W	59	4.9o		
EIDC	V	22 07 50 59.4	18.8N	101.5W	111	5.4b,5.8s		
HRVD	V	22 07 50 59.7±.1	18.76N	101.73W	56±.3			

NEIC Mw6.5(GS), Me6.0(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.2±0.3×10^{13}Nm/13
NEIC Mw 6.5 (HRV). Many houses damaged at Arteaga and a church damaged at Patzcuaro, Michoacan. Felt strongly at Lazaro Cardenas, Michoacan. Also felt at Mexico City. Mo=4.9×10^{18}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S279°,δ76°,λ−98°. NP2:ϕ_S129°,δ16°,λ−61°. Principal axes: T Plg31°,Azm16°; P Plg58°,Azm178°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s24, scale 10^{18}Nm; M_{rr}−4.24; $M_{\theta\theta}$4.64; $M_{\phi\phi}$−0.40; $M_{r\theta}$5.10; $M_{r\phi}$−0.57; $M_{\theta\phi}$−0.44. Depth 67km; Principal axes: T 7.02,Plg24°,Azm5°; N −0.44,Plg1°, Azm96°; P −6.58,Plg65°,Azm188°. Best double couple: $M_0$6.8×10^{18}Nm; NP1:ϕ_S94°,δ21°, λ−92°. NP2:ϕ_S276°,δ69°,λ−89°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c135; Mantle waves: s49,c99; Half duration: 4s4. Moment tensor: Scale 10^{18}Nm; M_{rr}−5.29±.04; $M_{\theta\theta}$5.39±.03; $M_{\phi\phi}$−0.10±.03; $M_{r\theta}$3.69±.05; $M_{r\phi}$0.38±.05; $M_{\theta\phi}$−0.53±.03. Principal Axes: T 6.57,Plg17°,Azm4°; N −0.08,Plg6°,Azm272°; P −6.49,Plg72°,Azm165°. Best double couple: $M_0$6.5×10^{18}Nm, NP1:ϕ_S102°,δ28°,λ−78°. NP2:ϕ_S269°,δ62°,λ−96°.

(173) Tonga

ISC	**VI**	**05 15 26 51**±2.5	**19.39S**±.063	**175.21W**±.056	**101**±23	**5.0b**	**155**	**15-164**
NEIC	VI	05 15 26 55.0	19.33S	175.26W	139	5.2b		**¶97vi0795**
MOS	VI	05 15 26 55.8	19.2S	175.3W	141	5.5b		
EIDC	VI	05 15 26 55.9	19.3S	175.2W	135	4.5b		
BJI	VI	05 15 26 56.3	19.10S	175.32W	138	5.2b		

(274) Southern Sumatera

ISC	**VI**	**10 01 41 19.6**±.76	**4.11S**±.048	**102.61E**±.051	**75**±6.8	**5.0b**	**150**	**0-158**
BJI	VI	10 01 41 13.2	4.36S	102.40E	34	5.1b,4.5s		**¶97vi1462**
NEIC	VI	10 01 41 14.5	4.17S	102.57E	33	4.9b		
MOS	VI	10 01 41 14.6	4.2S	102.6E	33	5.5b		
KLM	VI	10 01 41 15	4.1S	102.6E	33	4.2L		
EIDC	VI	10 01 41 18.7	4.2S	102.5E	58	4.8b,3.6s		

KLM Mb4.9

(171) South of Fiji

ISC	**VI**	**11 09 29 25.5**±.95	**24.04S**±.038	**177.52W**±.039	**183**±8.8	**5.3b**	**485**	**5-163**
BJI	VI	11 09 29 23.2	23.76S	177.35W	165	5.4b		**¶97vi1657**
NEIC	VI	11 09 29 23.4	23.97S	177.51W	164	5.4b		
EIDC	VI	11 09 29 26.1	24.0S	177.4W	177	4.9b		
HRVD	VI	11 09 29 26.8±.2	23.95S±.02	177.12W±.02	163±.7			
MOS	VI	11 09 29 28.4	23.9S	177.6W	202	5.6b		

NEIC Mw5.8(GS), MB5.5(BRK).
NEIC Mw 5.8 (HRV). Mb 5.5 (BRK).
NEIC Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}−0.09; $M_{\theta\theta}$−2.34; $M_{\phi\phi}$2.43; $M_{r\theta}$−1.14; $M_{r\phi}$−3.50; $M_{\theta\phi}$−3.41. Depth 157km; Principal axes: T 5.55,Plg27°,Azm71°; N 0.00,Plg49°, Azm196°; P −5.56,Plg28°,Azm324°. Best double couple: $M_0$5.6×10^{17}Nm; NP1:ϕ_S108°,δ49°, λ−179°. NP2:ϕ_S17°,δ89°,λ−41°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c102; Mantle waves: s23,c35; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}0.35±.07; $M_{\theta\theta}$−1.66±.10; $M_{\phi\phi}$1.32±.10; $M_{r\theta}$−1.15±.08; $M_{r\phi}$−3.83±.07; $M_{\theta\phi}$−3.36±.10. Principal Axes: T 5.23,Plg33°,Azm70°; N 0.39,Plg42°,Azm196°; P −5.62,Plg30°,Azm318°. Best double couple: $M_0$5.4×10^{17}Nm, NP1:ϕ_S102°,δ42°,λ177°. NP2:ϕ_S194°,δ88°,λ48°.

(706) Northern Sumatera

ISC	**VI**	**11 19 12 31.6**±.66	**2.92N**±.028	**97.37E**±.030	**84**±6.0	**5.1b**	**419**	**1-163**
MOS	VI	11 19 12 27.3	3.0N	97.4E	45	5.8b,4.8s		**¶97vi1737**
BJI	VI	11 19 12 27.7	2.87N	97.27E	60	5.3b,5.2s		
NEIC	VI	11 19 12 28.6	2.88N	97.33E	57	5.2b,5.0s		
KLM	VI	11 19 12 29	2.8N	97.3E	57	4.6L		
EIDC	VI	11 19 12 30.4	2.9N	97.3E	61	5.0b,4.3s		
HRVD	VI	11 19 12 31.4±.2	3.04N±.02	97.12E±.02	61±2.4			

NEIC Mw5.6(HRV).
KLM Mb5.2
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c95; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.79±.04; $M_{\theta\theta}$0.68±.05; $M_{\phi\phi}$0.11±.06; $M_{r\theta}$1.12±.05; $M_{r\phi}$−1.77±.05; $M_{\theta\phi}$−0.83±.05. Principal Axes: T 2.50,Plg32°,Azm45°; N −0.27, Plg14°,Azm144°; P −2.23,Plg54°,Azm255°. Best double couple: $M_0$2.4×10^{17}Nm, NP1: ϕ_S95°,δ19°,λ−140°. NP2:ϕ_S327°,δ78°,λ−76°.

(207) Eastern New Guinea region

ISC	**VI**	**12 12 07 37.6**±.57	**6.01S**±.024	**147.00E**±.029	**67**±5.3	**5.5b**	**410**	**1-164**
NEIC	VI	12 12 07 33.6	5.95S	147.03E	33	5.7b,5.9s		**¶97vi1842**
MOS	VI	12 12 07 34.0	5.9S	147.1E	33	6.0b,5.7s		
BJI	VI	12 12 07 34.9	5.92S	146.98E	40	5.7b,5.7s		
EIDC	VI	12 12 07 39.0	6.0S	147.0E	62	5.2b,5.5s		
HRVD	VI	12 12 07 42.3±.1	6.07S±.01	147.17E±.01	39			

NEIC Mw6.1(HRV), Me5.7(GS).
NEIC Mw 6.0 (GS).
NEIC Radiated energy from the P−wave first−motion solution: 9.3±1.9×10^{12}Nm/12
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S290°,δ50°,λ105°. NP2:ϕ_S87°,δ42°,λ73°. Principal axes: T Plg78°,Azm261°; P Plg4°,Azm9°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s27, scale 10^{18}Nm; M_{rr}1.17; $M_{\theta\theta}$−1.42; $M_{\phi\phi}$0.24; $M_{r\theta}$0.35; $M_{r\phi}$−0.06; $M_{\theta\phi}$0.20. Depth 31km; Principal axes: T 1.22,Plg82°,Azm13°; N 0.27,Plg1°, Azm277°; P −1.49,Plg8°,Azm187°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S276°,δ37°, λ89°. NP2:ϕ_S98°,δ53°,λ91°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s68,c144; Mantle waves: s56,c90; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}1.49±.01; $M_{\theta\theta}$−1.46±.01; $M_{\phi\phi}$−0.03±.01; $M_{r\theta}$0.41±.02; $M_{r\phi}$0.13±.02; $M_{\theta\phi}$0.51±.01. Principal Axes: T 1.57,Plg78°,Azm320°; N 0.09,Plg10°,Azm106°; P −1.66,Plg6°,Azm197°. Best double couple: $M_0$1.6×10^{18}Nm, NP1:ϕ_S297°,δ39°,λ105°. NP2:ϕ_S98°,δ52°,λ78°.

(224) Hokkaido region

ISC	**VI**	**15 04 54 15.8**±.23	**42.96N**±.018	**144.12E**±.030	**101**±2.3	**5.3b**	**638**	**0-156**
MOS	VI	15 04 54 14.2	43.4N	144.0E	71	6.0b		**¶97vi2242**
BJI	VI	15 04 54 14.9	43.20N	144.10E	95	5.2b		
NEIC	VI	15 04 54 15.6	43.06N	144.09E	97	5.3b		
SKHL	VI	15 04 54 16.0	43.0N±.08	144.1E±.17	94±5			
EIDC	VI	15 04 54 16.8	43.1N	144.0E	97	5.0b,3.6s		
JMA	VI	15 04 54 16.9±.2	42.97N±.01	144.21E±.01	98±2	5.1		
HRVD	VI	15 04 54 18.9±.3	43.10N±.03	143.67E±.05	99±3.8			

MOS Felt I=III MSK at Yuzno−Kurilsk.
NEIC Mw5.3(HRV)
NEIC Felt I=III MM at Kunashir.
SKHL Felt I=III at Yuzhno−Kurilsk
JMA Felt I= IV J1
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c55; Mantle waves: s12,c12; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.28; $M_{\theta\theta}$3.43±.49; $M_{\phi\phi}$−3.78±.53; $M_{r\theta}$8.16±.30; $M_{r\phi}$−2.31±.35; $M_{\theta\phi}$2.04±.45. Principal Axes: T 10.2,Plg40°,Azm0°; N −1.8,Plg25°,Azm113°; P −8.4,Plg40°,Azm226°. Best double couple: $M_0$9.3×10^{16}Nm, NP1:ϕ_S23°,δ25°,λ−180°. NP2:ϕ_S293°,δ90°,λ−65°.

(178) Kermadec Islands

ISC	**VI**	**19 00 23 49**±1.1	**30.69S**±.059	**178.81W**±.072	**88**±9.6	**5.1b**	**198**	**2-170**
EIDC	VI	19 00 23 54.7	30.4S	178.8W	130	4.5b		**¶97vi2848**
NEIC	VI	19 00 24 01.1	30.66S	179.00W	200	5.2b		
BJI	VI	19 00 24 01.9	30.23S	179.06W	188	5.1b		
MOS	VI	19 00 24 06.5	30.7S	179.1W	243	5.5b		

(286) Flores region

ISC	**VI**	**19 23 26 16.2**±.83	**8.83S**±.036	**122.37E**±.040	**101**±8.5	**5.0b**	**139**	**2-154**
MOS	VI	19 23 26 10.0	8.7S	122.3E	46	5.5b		**¶97vi2975**
NEIC	VI	19 23 26 10.5	8.73S	122.42E	50	5.4b		
BJI	VI	19 23 26 10.6	8.80S	122.43E	46	5.0b,5.3s		
EIDC	VI	19 23 26 12.3	8.9S	122.3E	47	4.8b,5.4L		

(185) Vanuatu (New Hebrides) region

ISC	**VI**	**24 16 17 13**±1.2	**20.76S**±.036	**174.15E**±.041	**61**±10	**5.0b**	**263**	**6-166**
NEIC	VI	24 16 17 09.4	20.70S	174.18E	33	5.2b,5.5s		**¶97vi3746**
MOS	VI	24 16 17 09.5	20.7S	174.1E	33	5.9b,5.6s		
BJI	VI	24 16 17 10.9	20.59S	174.29E	45	5.0b,5.5s		
HRVD	VI	24 16 17 13.1±.1	20.60S±.01	174.45E±.02	15			
EIDC	VI	24 16 17 17.8	20.7S	174.1E	95	4.5b,5.1s		

NEIC Mw5.9(GS), Mw5.9(HRV).

NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}−0.07; $M_{\theta\theta}$−7.73; $M_{\phi\phi}$7.81; $M_{r\theta}$−0.29; $M_{r\phi}$0.54; $M_{\theta\phi}$0.48. Depth 26km; Principal axes: T 7.86,Plg4°,Azm272°; N −0.10,Plg86°, Azm123°; P −7.76,Plg2°,Azm2°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S47°,δ86°,λ1°. NP2:ϕ_S317°,δ89°,λ176°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c112; Mantle waves: s6,c13; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.12±.06; $M_{\theta\theta}$−6.29±.06; $M_{\phi\phi}$6.41±.09; $M_{r\theta}$−0.42±.21; $M_{r\phi}$1.50±.18; $M_{\theta\phi}$−1.88±.06. Principal Axes: T 7.02,Plg12°,Azm262°; N −0.45,Plg78°,Azm90°; P −6.57,Plg2°,Azm352°. Best double couple: $M_0$6.8×10^{17}Nm, NP1:ϕ_S37°,δ80°,λ7°. NP2:ϕ_S306°,δ83°,λ170°.

(280) Banda Sea

ISC	**VI**	**29 20 02 57.3**±.67	**7.01S**±.025	**129.72E**±.029	**131**±6.7	**5.5b**	**391**	**9-160**
BJI	VI	29 20 02 53.5	7.03S	129.67E	99	5.8b		**¶97vi4656**
NEIC	VI	29 20 02 53.8	6.92S	129.73E	100	5.6b		
MOS	VI	29 20 02 54.8	6.9S	129.7E	103	5.7b		
EIDC	VI	29 20 03 00.5	7.0S	129.8E	146	5.1b		
HRVD	VI	29 20 03 04.9±.4	6.71S±.04	130.16E±.07	159±1.2			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c38; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.82±.05; $M_{\theta\theta}$−0.82±.08; $M_{\phi\phi}$0.00±.10; $M_{r\theta}$0.59±.04; $M_{r\phi}$1.16±.06; $M_{\theta\phi}$0.05±.05. Principal Axes: T 1.74,Plg54°,Azm290°; N −0.57, Plg19°,Azm49°; P −1.17,Plg29°,Azm150°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S281°,δ24°,λ144°. NP2:ϕ_S44°,δ76°,λ70°.

MAJOR DEEP FOCUS EARTHQUAKES
(h>300k,M≥5)

(171) South of Fiji

ISC	**I**	**02 02 57 52.4**±.68	**23.93S**±.043	**179.87W**±.042	**508**±8.8	**4.9b**	**212**	**6-164**
BJI	I	02 02 57 47.4	24.20S	178.84W	500	5.1b		**¶97i0153**
MOS	I	02 02 57 51.4	23.7S	179.9W	496	5.3b		
NEIC	I	02 02 57 51.6	23.86S	179.87W	500	5.1b		
EIDC	I	02 02 57 52.6	23.9S	179.8W	504	4.3b		
HRVD	I	02 02 57 58.7±1.2	23.66S±.18	179.58W±.16	528±4.3			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c13; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}5.21±1.30; $M_{\theta\theta}$−2.82±1.27; $M_{\phi\phi}$−2.39±1.52; $M_{r\theta}$−5.30±1.17; $M_{r\phi}$−9.96±.89; $M_{\theta\phi}$−1.03±1.73. Principal Axes: T 13.0, Plg55°,Azm115°; N −1.8,Plg3°,Azm210°; P −11.2,Plg34°,Azm303°. Best double couple: $M_0$1.2×10^{17}Nm, NP1:ϕ_S48°,δ11°,λ108°. NP2:ϕ_S210°,δ80°,λ87°.

(232) Southern Honshū

ISC	**I**	**02 11 11 46.6**±.12	**35.55N**±.024	**135.74E**±.025	**359**±1.5	**4.5b**	**315**	**0-166**
BJI	I	02 11 11 45.3	35.49N	135.78E	366	5.0b		**¶97i0198**
NEIC	I	02 11 11 46.3	35.49N	135.66E	358	4.6b		
JMA	I	02 11 11 47.0±.1	35.47N±.01	135.77E±.01	359±1	5.1		
MOS	I	02 11 11 47.0	35.8N	135.6E	347	4.9b		
EIDC	I	02 11 11 47.0	35.5N	135.7E	353	4.2b		

(279) Flores Sea

ISC	**I**	**04 09 59 06.9**±.46	**7.10S**±.036	**122.69E**±.052	**580**±7.4	**4.7b**	**158**	**3-156**
NEIC	I	04 09 59 06.7	7.12S	122.61E	579	5.1b		**¶97i0519**
EIDC	I	04 09 59 07.3	7.2S	122.8E	567	4.1b		
BJI	I	04 09 59 07.4	7.08S	122.62E	593	4.8b		
MOS	I	04 09 59 09.7	6.6S	122.3E	580	4.7b		
HRVD	I	04 09 59 09.8±2.1	7.11S±.16	122.48E±.12	584±6.8			

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c17; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.64±.77; $M_{\theta\theta}$5.01±1.02; $M_{\phi\phi}$−0.37±1.65; $M_{r\theta}$−1.74±.75; $M_{r\phi}$8.28±1.48; $M_{\theta\phi}$−1.95±1.02. Principal Axes: T 8.2,Plg29°,Azm224°; N 2.9, Plg22°,Azm327°; P −11.1,Plg52°,Azm89°. Best double couple: $M_0$9.6×10^{16}Nm, NP1: ϕ_S270°,δ26°,λ−150°. NP2:ϕ_S152°,δ77°,λ−67°.

(181) Fiji region

ISC	**I**	**04 16 51 09**±1.1	**18.22S**±.061	**178.11W**±.043	**603**±16	**5.0b**	**283**	**15-159**
MOS	I	04 16 51 07.1	17.9S	178.2W	563	5.3b		**¶97i0559**
BJI	I	04 16 51 09.3	18.11S	177.86W	612	5.0b		
NEIC	I	04 16 51 09.3	18.13S	178.17W	600	5.3b		
EIDC	I	04 16 51 12.0	18.1S	178.2W	617	4.3b		
HRVD	I	04 16 51 16.1±.5	18.13S±.04	178.15W±.04	628±3.1			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c40; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.62±.04; $M_{\theta\theta}$−0.13±.06; $M_{\phi\phi}$0.75±.06; $M_{r\theta}$−0.86±.05; $M_{r\phi}$−1.07±.06; $M_{\theta\phi}$−0.11±.06. Principal Axes: T 1.41,Plg32°,Azm106°; N 0.24,Plg18°,Azm208°; P −1.65,Plg53°,Azm322°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S151°,δ21°,λ−148°. NP2:ϕ_S31°,δ79°,λ−72°.

(181) Fiji region

ISC	**I**	**05 14 23 58**±2.0	**17.9S**±.10	**178.71W**±.099	**594**±27	**4.5b**	**76**	**15-159**
NEIC	I	05 14 23 55.0	17.75S	178.74W	550	5.0b		**¶97i0680**
EIDC	I	05 14 23 55.5	17.6S	178.7W	542	3.8b		

NEIC Less reliable solution.

(171) South of Fiji

ISC	**I**	**09 15 15 42**±1.1	**23.87S**±.064	**179.87W**±.049	**499**±14	**4.7b**	**141**	**6-164**
EIDC	I	09 15 15 42.2	23.7S	179.9W	484	4.1b		**¶97i1238**
NEIC	I	09 15 15 42.8	23.78S	179.94W	500	4.8b		
BJI	I	09 15 15 42.9	23.62S	179.80W	497	5.0b		

(215) Marianas region

ISC	**I**	**14 18 05 24.6**±.64	**21.59N**±.032	**143.16E**±.041	**315**±6.2	**4.6b**	**243**	**6-150**
MOS	I	14 18 05 21.9	21.6N	143.2E	287	5.1b		**¶97i2032**
BJI	I	14 18 05 22.8	21.63N	143.17E	302	4.6b		
NEIC	I	14 18 05 23.0	21.58N	143.02E	300	4.6b		
JMA	I	14 18 05 23.4±.3	21.53N±.02	143.42E±.04	328±3			
EIDC	I	14 18 05 25.7	21.6N	143.2E	316	4.5b		

(275) Java Sea

ISC	**I**	**19 02 27 13.7**±.40	**5.05S**±.035	**108.38E**±.041	**653**±5.8	**4.8b**	**251**	**2-162**
BJI	I	19 02 27 12.8	5.09S	108.40E	642	5.2b		**¶97i2764**
MOS	I	19 02 27 13.3	4.9S	108.6E	650	5.2b		
NEIC	I	19 02 27 13.6	5.03S	108.40E	651	5.1b		
EIDC	I	19 02 27 13.6	5.1S	108.3E	633	4.3b		
KLM	I	19 02 27 14	6.0S	108.4E	651	4.5L		
HRVD	I	19 02 27 16.1±.4	5.13S±.03	108.42E±.04	647±2.7			

NEIC Mw5.5(HRV).

KLM Mb5.1

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c46; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.77±.06; $M_{\theta\theta}$0.84±.08; $M_{\phi\phi}$0.92±.11; $M_{r\theta}$−0.61±.07; $M_{r\phi}$−0.65±.09; $M_{\theta\phi}$−0.42±.08. Principal Axes: T 1.30,Plg2°,Azm50°; N 0.78, Plg19°,Azm140°; P −2.08,Plg71°,Azm314°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S121°,δ46°,λ−117°. NP2:ϕ_S337°,δ50°,λ−65°.

(171) South of Fiji

ISC	**I**	**29 18 19 29.1**±.76	**24.08S**±.048	**178.89E**±.066	**550**±10	**4.8b**	**197**	**6-164**
EIDC	I	29 18 19 28.0	24.1S	179.0E	530	4.2b		**¶97i4384**
BJI	I	29 18 19 33.3	23.65S	178.57E	578	4.8b		
NEIC	I	29 18 19 33.6	24.00S	178.65E	600	5.1b		
HRVD	I	29 18 19 34.7±1.0	23.84S±.09	178.85E±.09	584±3.9			
MOS	I	29 18 19 35.6	24.0S	178.5E	614	5.4b		

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s13,c15; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.82±.65; $M_{\theta\theta}$4.04±1.10; $M_{\phi\phi}$3.78±1.45; $M_{r\theta}$−4.25±.96; $M_{r\phi}$6.16±1.00; $M_{\theta\phi}$0.90±.93. Principal Axes: T 6.9,Plg27°,Azm241°; N 4.8, Plg2°,Azm150°; P −11.6,Plg63°,Azm55°. Best double couple: $M_0$9.2×10^{16}Nm, NP1:ϕ_S337°, δ18°,λ−82°. NP2:ϕ_S149°,δ72°,λ−93°.

(212) Bonin Islands region

ISC	**I**	**31 23 18 39.0**±.28	**26.14N**±.024	**140.94E**±.031	**514**±2.7	**5.2b**	**502**	**1-167**
MOS	I	31 23 18 38.3	26.1N	140.8E	506	5.8b		**¶97i4687**
JMA	I	31 23 18 38.5±.1	26.14N±.01	141.10E±.01	509±2	5.7		
EIDC	I	31 23 18 38.9	26.1N	141.0E	503	4.8b		
BJI	I	31 23 18 39.0	26.23N	141.01E	522	5.3b		
NEIC	I	31 23 18 39.6	26.14N	140.86E	524	5.3b		

(171) South of Fiji

ISC	**II**	**05 19 30 26**±1.3	**25.21S**±.075	**179.07W**±.087	**410**±14	**4.5b**	**102**	**4-161**
MOS	II	05 19 29 52.2	25.1S	178.2W	109	5.5b		**¶97ii0740**
BJI	II	05 19 30 29.7	24.93S	179.27W	435	4.5b		
NEIC	II	05 19 30 29.9	25.08S	179.21W	450	4.8b		
EIDC	II	05 19 30 30.8	25.0S	179.2W	447	4.0b		

NEIC Less reliable solution.

(233) Near south coast of Southern Honshū

ISC	**II**	**09 16 28 25.0**±.14	**34.93N**±.030	**135.30E**±.027	**388**±1.7	**4.3b**	**285**	**0-161**
MOS	II	09 16 28 23.8	34.9N	135.2E	374	4.6b		**¶97ii1332**
BJI	II	09 16 28 24.0	34.83N	135.28E	393	4.9b		
NEIC	II	09 16 28 24.4	34.77N	135.24E	388	4.6b		
JMA	II	09 16 28 24.8±.1	34.87N±.01	135.30E±.01	395±1	5.2		
EIDC	II	09 16 28 24.8	34.8N	135.3E	382	3.9b		

(181) Fiji region

ISC	**II**	**13 12 12 33.4**±.94	**18.11S**±.069	**178.30W**±.076	**585**±13	**4.7b**	**152**	**8-167**
MOS	II	13 12 12 33.1	17.9S	178.4W	572	5.0b		**¶97ii1915**
BJI	II	13 12 12 33.2	17.76S	178.05W	584	4.9b		
NEIC	II	13 12 12 33.5	18.05S	178.37W	584	4.7b		
EIDC	II	13 12 12 34.0	17.9S	178.4W	572	4.1b		

(171) South of Fiji

ISC	**II**	**18 22 48 47**±1.0	**25.41S**±.063	**179.70E**±.048	**512**±13	**4.9b**	**160**	**12-165**
EIDC	II	18 22 48 44.9	25.3S	179.8E	481	4.5b		**¶97ii2699**
NEIC	II	18 22 48 46.2	25.31S	179.64E	500	5.0b		
MOS	II	18 22 48 46.6	25.2S	179.6E	500	5.0b		
BJI	II	18 22 48 47.6	25.01S	179.45E	500	4.8b		

(181) Fiji region

ISC	**II**	**23 00 40 36**±1.4	**17.78S**±.079	**178.56W**±.056	**590**±19	**4.9b**	**92**	**13-153**
EIDC	II	23 00 40 29.0	17.3S	178.5W	487	4.2b		**¶97ii3273**
MOS	II	23 00 40 36.7	17.6S	178.7W	600	4.4b		
NEIC	II	23 00 40 37.1	17.60S	178.75W	600	5.0b		
BJI	II	23 00 40 38.4	17.32S	178.97W	591	5.0b		

(181) Fiji region

ISC	**II**	**23 19 54 57.4**±.76	**21.96S**±.053	**179.50W**±.039	**585**±11	**5.1b**	**323**	**7-164**
EIDC	II	23 19 54 57.7	21.8S	179.4W	580	4.6b		**¶97ii3365**
MOS	II	23 19 54 59.5	21.8S	179.6W	607	5.2b		
NEIC	II	23 19 54 59.5	21.97S	179.59W	612	5.0b		
HRVD	II	23 19 55 00.7±.6	22.12S±.05	178.97W±.05	619±3.2			
BJI	II	23 19 55 03.4	20.88S	179.95W	601	5.1b		

NEIC Mw5.6(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c38; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.07; $M_{\theta\theta}$−1.33±.11; $M_{\phi\phi}$0.73±.14; $M_{r\theta}$−0.47±.11; $M_{r\phi}$−2.03±.12; $M_{\theta\phi}$−1.11±.12. Principal Axes: T 2.76,Plg42°,Azm80°; N −0.27,Plg36°,Azm211°; P −2.49,Plg28°,Azm323°. Best double couple: $M_0$2.6×10^{17}Nm, NP1:ϕ_S103°,δ37°,λ166°. NP2:ϕ_S205°,δ82°,λ54°.

(181) Fiji region

ISC	**III**	**01 10 19 24**±1.2	**17.6S**±.20	**178.6W**±.15	**520**±18	**4.2b**	**49**	**8-153**
EIDC	III	01 10 19 12.0	17.4S	178.3W	371	3.6b		**¶97iii0092**
NEIC	III	01 10 19 14.2	17.32S	178.59W	400	4.7b		
MOS	III	01 10 19 19.1	16.5S	179.4W	400	5.4b		

NEIC Less reliable solution.

(181) Fiji region

ISC	**III**	**04 06 07 29.6**±.65	**17.79S**±.052	**178.73W**±.042	**540**±8.8	**5.0b**	**346**	**3-167**
BJI	III	04 06 07 26.9	17.59S	178.31W	521	4.9b		**¶97iii0796**
MOS	III	04 06 07 28.8	17.6S	178.8W	526	5.1b		
EIDC	III	04 06 07 29.5	17.6S	178.8W	529	4.5b		
NEIC	III	04 06 07 30.3	17.70S	178.83W	550	4.9b		

(113) Western Brazil

ISC	**III**	**07 09 42 24.0**±.60	**6.43S**±.040	**71.14W**±.036	**628**±8.0	**4.8b**	**354**	**8-165**
BJI	III	07 09 42 23.6	6.50S	71.20W	628			**¶97iii1490**
NEIC	III	07 09 42 23.6	6.49S	71.22W	628	4.9b		
MOS	III	07 09 42 24.7	6.4S	71.4W	629	5.0b		
EIDC	III	07 09 42 24.9	6.5S	71.1W	630	4.3b		
HRVD	III	07 09 42 28.4±.9	6.30S±.09	71.15W±.04	632±3.7			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c27; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.25±.06; $M_{\theta\theta}$0.04±.13; $M_{\phi\phi}$1.21±.14; $M_{r\theta}$0.79±.09; $M_{r\phi}$−0.68±.09; $M_{\theta\phi}$−0.14±.10. Principal Axes: T 1.48,Plg18°,Azm74°; N 0.26, Plg18°,Azm338°; P −1.74,Plg64°,Azm206°. Best double couple: $M_0$1.6×10^{17}Nm, NP1: ϕ_S190°,δ31°,λ−54°. NP2:ϕ_S330°,δ65°,λ−110°.

(181) Fiji region

ISC	**III**	**11 03 13 56.0**±.93	**21.09S**±.044	**178.77W**±.037	**507**±12	**5.2b**	**558**	**10-164**
EIDC	III	11 03 13 57.6	21.1S	178.6W	523	4.7b		**¶97iii2299**
MOS	III	11 03 13 58.2	20.9S	178.8W	529	5.4b		
NEIC	III	11 03 13 59.4	21.13S	178.86W	553	5.2b		
BJI	III	11 03 14 01.0	20.90S	178.80W	561	5.3b		
HRVD	III	11 03 14 04.3±.2	20.99S±.02	178.69W±.02	557±1.4			

NEIC Mw5.7(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c57; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.04±.07; $M_{\theta\theta}$2.68±.12; $M_{\phi\phi}$0.35±.14; $M_{r\theta}$−2.01±.12; $M_{r\phi}$−1.08±.12; $M_{\theta\phi}$−0.86±.10. Principal Axes: T 3.40,Plg15°,Azm190°; N 0.65,Plg19°,Azm95°; P −4.05,Plg65°,Azm317°. Best double couple: $M_0$3.7×10^{17}Nm, NP1: ϕ_S305°,δ34°,λ−55°. NP2:ϕ_S85°,δ63°,λ−111°.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(181) Fiji region						
ISC	**III**	**11 18 38 11**±1.2	**18.13S**±.052	**176.62W**±.040	**308**±12	**5.0b**	**296**	**6-166**
MOS	III	11 18 38 12.8	17.8S	176.9W	287	4.8b		**¶97iii2427**
EIDC	III	11 18 38 12.9	18.1S	176.7W	311	4.5b		
NEIC	III	11 18 38 15.9	18.17S	176.72W	352	5.0b		
BJI	III	11 18 38 16.1	18.05S	176.92W	341	5.1b		
		(181) Fiji region						
ISC	**III**	**11 19 19 58**±1.0	**21.8S**±.15	**179.4W**±.12	**614**±14	**4.6b**	**31**	**4-151**
MOS	III	11 19 19 55.8	22.1S	179.4W	573	5.8b		**¶97iii2431**
NEIC	III	11 19 19 57.4	21.96S	179.43W	600	5.0b		
EIDC	III	11 19 19 58.2	21.9S	179.4W	596	3.8b		
NEIC	Less reliable solution.							
		(181) Fiji region						
ISC	**III**	**17 18 41 32**±2.3	**18.1S**±.12	**178.41W**±.099	**604**±31	**4.4b**	**64**	**15-159**
NEIC	III	17 18 41 31.5	18.05S	178.47W	600	4.7b		**¶97iii3418**
EIDC	III	17 18 41 31.5	17.9S	178.5W	580	3.7b		
BJI	III	17 18 41 32.8	17.45S	178.99W	567	4.7b		
MOS	III	17 18 41 32.9	18.0S	178.6W	600	5.3b		
NEIC	Less reliable solution.							
		(177) Kermadec Islands region						
ISC	**III**	**21 12 07 16.2**±.45	**31.26S**±.037	**179.65E**±.036	**435**±5.5	**5.5b**	**557**	**3-171**
EIDC	III	21 12 07 16.6	31.3S	179.8E	434	5.1b		**¶97iii4071**
NEIC	III	21 12 07 17.6	31.16S	179.62E	449	5.6b		
BJI	III	21 12 07 18.3	30.95S	179.86E	459	5.6b		
MOS	III	21 12 07 18.4	31.0S	179.6E	455	5.8b		
HRVD	III	21 12 07 22.1±.1	31.18S±.01	179.90E±.01	453±.7			
NEIC	Mw6.3(GS), Me6.2(GS).							
NEIC	Mw 6.3 (HRV). Mo=3.9×10^{18}Nm (PPT).							
NEIC	Radiated energy from the P−wave first−motion solution: 3.8±0.7×10^{13}Nm/11							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ75°,λ180°. NP2:ϕ_S30°,δ90°,λ−15°. Principal axes: T Plg11°,Azm76°; P Plg11°,Azm344°.							
NEIC	Moment tensor solution: s22, scale 10^{18}Nm; M_{rr}0.03; $M_{\theta\theta}$−2.01; $M_{\phi\phi}$1.99; $M_{r\theta}$−0.82; $M_{r\phi}$−1.77; $M_{\theta\phi}$−1.42. Depth 442km; Principal axes: T 3.17,Plg27°,Azm79°; N −0.07, Plg51°,Azm209°; P −3.10,Plg25°,Azm335°. Best double couple: $M_0$3.1×10^{18}Nm; NP1: ϕ_S117°,δ52°,λ179°. NP2:ϕ_S207°,δ89°,λ39°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c101; Half duration: 3s5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.28±.02; $M_{\theta\theta}$−2.31±.03; $M_{\phi\phi}$2.59±.03; $M_{r\theta}$−0.87±.03; $M_{r\phi}$−1.64±.03; $M_{\theta\phi}$−0.95±.03. Principal Axes: T 3.39,Plg23°,Azm84°; N −0.34,Plg54°,Azm210°; P −3.05,Plg26°,Azm342°. Best double couple: $M_0$3.2×10^{18}Nm, NP1:ϕ_S124°,δ54°,λ−178°. NP2:ϕ_S33°,δ88°,λ−36°.							
WEL	Felt I=IV MM Raoul Island							
		(112) Peru-Brazil border region						
ISC	**III**	**25 16 44 34.0**±.49	**9.05S**±.037	**71.25W**±.032	**619**±6.3	**5.3b**	**496**	**6-172**
BJI	III	25 16 44 32.2	8.51S	71.42W	588			**¶97iii4764**
NEIC	III	25 16 44 32.6	9.06S	71.30W	603	5.4b		
MOS	III	25 16 44 32.7	9.0S	71.3W	600	5.9b		
EIDC	III	25 16 44 34.0	9.0S	71.3W	606	4.8b		
HRVD	III	25 16 44 37.7±.1	8.86S±.01	71.25W±.01	618±.9			
NEIC	Mw6.1(GS), Mw6.0(HRV).							
NEIC	Moment tensor solution: s26, scale 10^{18}Nm; M_{rr}−1.11; $M_{\theta\theta}$0.02; $M_{\phi\phi}$1.09; $M_{r\theta}$−0.23; $M_{r\phi}$0.68; $M_{\theta\phi}$−0.48. Depth 601km; Principal axes: T 1.47,Plg16°,Azm249°; N −0.16,Plg1°, Azm340°; P −1.31,Plg74°,Azm73°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S338°,δ29°, λ−92°. NP2:ϕ_S160°,δ61°,λ−89°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c106; Mantle waves: s28,c34; Half duration: 2s4. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.11±.01; $M_{\theta\theta}$0.26±.02; $M_{\phi\phi}$0.84±.02; $M_{r\theta}$−0.09±.02; $M_{r\phi}$0.65±.02; $M_{\theta\phi}$−0.40±.02. Principal Axes: T 1.21,Plg15°,Azm246°; N 0.09,Plg8°,Azm338°; P −1.30,Plg73°,Azm94°. Best double couple: $M_0$1.3×10^{18}Nm, NP1:ϕ_S325°,δ31°,λ−105°. NP2:ϕ_S162°,δ61°,λ−81°.							
		(113) Western Brazil						
ISC	**III**	**25 19 25 54.4**±.69	**8.95S**±.075	**71.26W**±.056	**603**±11	**4.8b**	**216**	**6-167**
NEIC	III	25 19 25 53.9	8.99S	71.31W	600	4.9b		**¶97iii4775**
BJI	III	25 19 25 54.0	9.36S	71.43W	607			
MOS	III	25 19 25 54.7	8.9S	71.2W	605	5.2b		
EIDC	III	25 19 25 55.1	9.0S	71.3W	601	4.2b		
		(181) Fiji region						
ISC	**III**	**28 22 40 24**±1.2	**17.98S**±.060	**178.86W**±.045	**549**±16	**4.9b**	**311**	**12-159**
EIDC	III	28 22 40 24.0	17.8S	178.9W	530	4.3b		**¶97iii5495**
NEIC	III	28 22 40 25.2	17.81S	178.95W	554	5.0b		
BJI	III	28 22 40 25.6	17.89S	178.81W	566	4.8b		
MOS	III	28 22 40 26.2	17.2S	179.5W	513	5.1b		
HRVD	III	28 22 40 35.1±1.2	17.20S±.16	179.04W±.11	558±6.6			
NEIC	Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c14; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.61; $M_{\theta\theta}$0.73±.97; $M_{\phi\phi}$−3.37±.82; $M_{r\theta}$9.14±1.10; $M_{r\phi}$−0.06±1.03; $M_{\theta\phi}$4.49±.91. Principal Axes: T 11.5,Plg45°,Azm343°; N −2.0,Plg29°,Azm107°; P −9.5,Plg31°,Azm216°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S0°,δ30°,λ165°. NP2:ϕ_S102°,δ83°,λ61°.							
		(181) Fiji region						
ISC	**IV**	**10 10 43 00.9**±.78	**21.35S**±.053	**179.07W**±.074	**616**±10	**4.6b**	**88**	**4-164**
BJI	IV	10 10 42 59.9	21.11S	179.26W	596	5.0b		**¶97iv1675**
NEIC	IV	10 10 43 01.9	21.17S	179.23W	624	4.8b		
EIDC	IV	10 10 43 02.3	21.2S	179.2W	612	4.0b		
		(211) South of Honshū						
ISC	**IV**	**15 09 54 09.5**±.27	**30.26N**±.030	**138.61E**±.035	**441**±2.8	**4.5b**	**246**	**3-154**
BJI	IV	15 09 54 07.4	30.18N	138.50E	434	4.7b		**¶97iv2588**
MOS	IV	15 09 54 08.0	30.2N	138.5E	429	4.8b		
NEIC	IV	15 09 54 08.6	30.24N	138.44E	432	4.8b		
JMA	IV	15 09 54 08.9±.1	30.30N±.01	138.78E±.01	455±2	5.0		
EIDC	IV	15 09 54 09.0	30.3N	138.6E	429	3.9b		
		(171) South of Fiji						
ISC	**IV**	**20 05 08 32**±1.1	**24.7S**±.10	**179.56E**±.080	**540**±14	**4.7b**	**125**	**5-165**
MOS	IV	20 05 08 19.2	24.5S	179.8E	396	5.1b		**¶97iv3274**
BJI	IV	20 05 08 28.7	24.60S	179.60E	500	4.8b		
NEIC	IV	20 05 08 28.7	24.64S	179.64E	500	4.8b		
EIDC	IV	20 05 08 28.7	24.7S	179.8E	497	4.2b		
NEIC	Less reliable solution.							
		(181) Fiji region						
ISC	**IV**	**20 18 45 19**±1.7	**19.77S**±.059	**177.55W**±.059	**369**±18	**5.0b**	**224**	**9-165**
BJI	IV	20 18 45 21.3	19.44S	177.17W	402	5.4b		**¶97iv3349**
NEIC	IV	20 18 45 21.9	19.73S	177.68W	400	5.1b		
EIDC	IV	20 18 45 22.2	19.7S	177.5W	399	4.3b		
MOS	IV	20 18 45 25.0	19.7S	177.8W	430	5.6b		
		(280) Banda Sea						
ISC	**IV**	**21 14 01 24.6**±.46	**7.39S**±.024	**125.78E**±.032	**436**±5.7	**5.5b**	**304**	**7-158**
BJI	IV	21 14 01 24.0	7.38S	125.75E	431	5.7b		**¶97iv3498**
NEIC	IV	21 14 01 24.3	7.38S	125.72E	432	5.9b		
MOS	IV	21 14 01 25.0	7.4S	125.8E	438	5.6b		
EIDC	IV	21 14 01 25.4	7.4S	125.7E	427	5.4b		
		(181) Fiji region						
ISC	**IV**	**21 17 53 57**±1.0	**21.40S**±.056	**179.16W**±.051	**604**±14	**4.9b**	**321**	**8-164**
MOS	IV	21 17 53 50.7	21.2S	179.2W	500	5.0b		**¶97iv3546**
BJI	IV	21 17 53 57.6	21.10S	178.72W	620	4.9b		
NEIC	IV	21 17 53 58.1	21.35S	179.22W	616	5.0b		
EIDC	IV	21 17 53 58.1	21.2S	179.1W	603	4.3b		
		(233) Near south coast of Southern Honshū						
ISC	**IV**	**27 14 17 07.5**±.42	**33.32N**±.068	**136.26E**±.044	**434**±3.2	**3.9b**	**159**	**1-84**
BJI	IV	27 14 17 00.2	32.99N	136.54E	374	5.0b		**¶97iv4744**
NEIC	IV	27 14 17 01.5	32.79N	136.51E	400	4.0b		
EIDC	IV	27 14 17 02.1	32.9N	136.7E	388	3.4b		
JMA	IV	27 14 17 08.0±.1	33.41N±.02	136.19E±.01	434±1	4.8		
NEIC	Less reliable solution.							
		(211) South of Honshū						
ISC	**IV**	**29 03 52 02.4**±.37	**30.38N**±.042	**138.74E**±.039	**439**±3.1	**4.2b**	**204**	**3-121**
BJI	IV	29 03 52 00.8	30.27N	138.62E	438	4.8b		**¶97iv5017**
NEIC	IV	29 03 52 00.8	30.37N	138.54E	423	4.3b		
EIDC	IV	29 03 52 01.5	30.4N	138.6E	419	3.8b		
JMA	IV	29 03 52 01.9±.1	30.37N±.01	138.94E±.01	446±2	5.1		
		(211) South of Honshū						
ISC	**IV**	**29 16 31 34.4**±.36	**31.64N**±.039	**138.87E**±.038	**315**±2.7	**4.1b**	**190**	**2-95**
JMA	IV	29 16 31 33.0±.2	31.64N±.02	138.94E±.01	340±3	4.8		**¶97iv5101**
MOS	IV	29 16 31 33.1	31.6N	138.9E	303	5.6b		
BJI	IV	29 16 31 33.4	31.60N	138.70E	306	4.4b		
NEIC	IV	29 16 31 33.4	31.62N	138.73E	306	4.2b		
EIDC	IV	29 16 31 33.7	31.6N	138.9E	297	3.9b		
		(211) South of Honshū						
ISC	**V**	**05 13 24 16.4**±.26	**29.50N**±.029	**138.71E**±.033	**474**±2.8	**4.5b**	**270**	**4-152**
NEIC	V	05 13 24 14.3	29.51N	138.44E	450	4.5b		**¶97v0789**
MOS	V	05 13 24 15.2	29.5N	138.5E	458	4.6b		
EIDC	V	05 13 24 15.4	29.5N	138.7E	454	4.0b		
JMA	V	05 13 24 16.0±.1	29.49N±.01	138.93E±.01	470±2			
BJI	V	05 13 24 16.3	29.49N	138.56E	475	5.1b		
		(275) Java Sea						
ISC	**V**	**10 21 14 13.1**±.44	**5.78S**±.046	**110.63E**±.054	**560**±6.9	**4.8b**	**79**	**3-150**
MOS	V	10 21 14 10.9	5.6S	110.8E	536	4.9b		**¶97v1664**
BJI	V	10 21 14 16.1	5.90S	110.70E	600	4.9b		
NEIC	V	10 21 14 16.1	5.91S	110.68E	600	5.0b		
		(171) South of Fiji						
ISC	**V**	**11 15 30 17**±5.4	**22.1S**±.13	**176.0W**±.17	**302**±54	**3.9b**	**54**	**15-161**
EIDC	V	11 15 29 44.2	21.9S	175.5W	0	4.3b		**¶97v1805**
NEIC	V	11 15 29 47.6	22.01S	175.62W	33	4.6b		
MOS	V	11 15 29 48.0	21.9S	175.7W	33	5.0b		
NEIC	Less reliable solution.							
		(70) Guatemala						
ISC	**V**	**15 04 39 25**±1.1	**14.52N**±.049	**89.79W**±.043	**304**±11	**4.9b**	**341**	**16-152**
BJI	V	15 04 39 21.5	14.50N	89.80W	274			**¶97v2565**
NEIC	V	15 04 39 21.5	14.46N	89.78W	274	4.9b		
EIDC	V	15 04 39 23.4	14.5N	89.7W	273	4.5b		
HRVD	V	15 04 39 26.3±.3	14.53N±.03	89.85W±.04	273±1.5			
MOS	V	15 04 39 26.7	14.6N	89.9W	314	5.5b		
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c52; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.48±.04; $M_{\theta\theta}$−0.20±.07; $M_{\phi\phi}$−0.28±.08; $M_{r\theta}$0.90±.07; $M_{r\phi}$−1.75±.05; $M_{\theta\phi}$0.12±.05. Principal Axes: T 2.07,Plg51°,Azm64°; N −0.12, Plg1°,Azm333°; P −1.95,Plg39°,Azm242°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S323°,δ6°,λ80°. NP2:ϕ_S153°,δ84°,λ91°.							
		(171) South of Fiji						
ISC	**V**	**21 09 29 58**±1.4	**23.29S**±.070	**179.90W**±.058	**546**±19	**4.7b**	**117**	**12-155**
MOS	V	21 09 29 56.0	23.1S	179.8W	526	5.1b		**¶97v3539**
EIDC	V	21 09 29 57.5	23.1S	179.8W	535	4.0b		
BJI	V	21 09 29 58.1	23.20S	179.90W	550	4.5b		
NEIC	V	21 09 29 58.1	23.23S	179.94W	550	4.9b		
		(179) South of Kermadec Islands						
ISC	**V**	**25 23 22 32.8**±.45	**32.11S**±.036	**179.82E**±.036	**323**±5.0	**6.0b**	**728**	**3-177**
EIDC	V	25 23 22 29.4	32.1S	179.8E	283	5.4b		**¶97v4334**
BJI	V	25 23 22 30.1	32.10S	179.80E	330	5.7b		
WEL	V	25 23 22 30.6	32.31S	178.79W	339	7.9L		
NEIC	V	25 23 22 33.1	32.12S	179.79E	333	6.2b		
MOS	V	25 23 22 33.5	32.0S	179.9E	332	6.2b		
HRVD	V	25 23 22 43.9	32.02S	179.95W±.01	345±.3			
WEL	Felt Auckland to Dunedin, maximum intensity I=IV MM Phases are SCP and SCS							
NEIC	Me7.2(GS), Mw7.1(GS)							
NEIC	Radiated energy from the P−wave first−motion solution: 1.4±0.4×10^{15}Nm/13							
NEIC	Mw 7.1 (HRV). Mb 6.7 (BRK). Felt strongly on Raoul. Felt throughout the North Island and as far south as Christchurch on the South Island. Mo=1.1×10^{20}Nm (PPT).							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S320°,δ75°,λ60°. NP2:ϕ_S206°,δ33°,λ152°. Principal axes: T Plg51°,Azm196°; P Plg24°,Azm73°. Complex earthquake, with two events about 4.5 and 8.5 seconds after the onset. Depth from broadband displacement seismograms based on first event.							
NEIC	Moment tensor solution: s33, scale 10^{19}Nm; M_{rr}3.60; $M_{\theta\theta}$1.64; $M_{\phi\phi}$−5.24; $M_{r\theta}$−2.81; $M_{r\phi}$2.06; $M_{\theta\phi}$0.30. Depth 331km; Principal axes: T 5.80,Plg56°,Azm194°; N 0.01,Plg30°, Azm343°; P −5.82,Plg14°,Azm82°. Best double couple: $M_0$5.8×10^{19}Nm; NP1:ϕ_S207°,δ41°, λ141°. NP2:ϕ_S328°,δ66°,λ56°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s63,c163; Mantle waves: s63,c165; Half duration: 8s5. Moment tensor: Scale 10^{19}Nm; M_{rr}1.86±.01; $M_{\theta\theta}$1.41±.02; $M_{\phi\phi}$−3.27±.02; $M_{r\theta}$−2.47±.01; $M_{r\phi}$2.86±.01; $M_{\theta\phi}$−2.17±.02. Principal Axes: T 5.56,Plg44°,Azm212°; N −0.83,Plg40°,Azm355°; P −4.73,Plg19°,Azm102°. Best double couple: $M_0$5.2×10^{19}Nm, NP1:ϕ_S236°,δ44°,λ158°. NP2:ϕ_S342°,δ75°,λ49°.							
		(216) Marianas						
ISC	**V**	**27 15 09 04.2**±.61	**16.26N**±.027	**145.58E**±.035	**539**±7.9	**5.3b**	**314**	**3-172**
NEIC	V	27 15 09 03.7	16.33N	145.44E	536	5.5b		**¶97v4585**
BJI	V	27 15 09 03.8	16.36N	145.77E	536	5.5b		
MOS	V	27 15 09 03.9	16.3N	145.5E	535	5.4b		
EIDC	V	27 15 09 05.4	16.3N	145.7E	546	4.6b		
HRVD	V	27 15 09 07.8±.2	16.24N±.02	145.61E±.02	537±1.2			
NEIC	Mw5.6(GS), Mw5.6(HRV).							
NEIC	Moment tensor solution: s12, scale 10^{17}Nm; M_{rr}−2.57; $M_{\theta\theta}$2.05; $M_{\phi\phi}$0.53; $M_{r\theta}$0.36; $M_{r\phi}$1.54; $M_{\theta\phi}$1.53. Depth 532km; Principal axes: T 3.23,Plg12°,Azm325°; N −0.01,Plg20°,Azm230°; P −3.22,Plg66°,Azm82°. Best double couple: $M_0$3.2×10^{17}Nm; NP1:ϕ_S79°,δ38°,λ−56°. NP2: ϕ_S218°,δ60°,λ−114°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c87; Mantle waves: s6,c7; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.67±.05; $M_{\theta\theta}$2.31±.08; $M_{\phi\phi}$0.37±.09; $M_{r\theta}$0.27±.08; $M_{r\phi}$1.29±.08; $M_{\theta\phi}$0.75±.07. Principal Axes: T 2.65, Plg8°,Azm338°; N 0.49,Plg18°,Azm245°; P −3.15,Plg70°,Azm90°. Best double couple: $M_0$2.9×10^{17}Nm, NP1:ϕ_S88°,δ40°,λ−61°. NP2:ϕ_S232°,δ55°,λ−112°.							
		(212) Bonin Islands region						
ISC	**V**	**30 19 43 35.5**±.31	**26.58N**±.024	**140.57E**±.032	**372**±3.2	**4.6b**	**318**	**2-164**
BJI	V	30 19 43 33.4	26.60N	140.55E	359	4.7b		**¶97v5088**
NEIC	V	30 19 43 34.1	26.61N	140.31E	355	4.6b		
MOS	V	30 19 43 35.0	26.6N	140.5E	366	4.9b		
EIDC	V	30 19 43 35.6	26.6N	140.5E	359	4.1b		

JMA	V	30 19 43 37.9±.1	26.87N±.01	140.81E±.02	360±1	5.2	
		(181) Fiji region					
ISC	**VI**	**07 14 30 59**±2.7	**17.76S**±.093	**178.8W**±.10	**520**±33	**4.4b**	**105 15-159**
BJI	VI	07 14 30 57.1	17.64S	178.78W	501	4.4b	**¶97vi1108**
NEIC	VI	07 14 30 57.1	17.66S	178.80W	500	5.1b	
MOS	VI	07 14 30 58.1	17.6S	178.8W	506	5.2b	
EIDC	VI	07 14 30 59.9	17.5S	178.9W	519	3.9b	
		(181) Fiji region					
ISC	**VI**	**08 08 20 24**±1.4	**19.92S**±.069	**177.6W**±.13	**422**±14	**4.2b**	**39 4-159**
NEIC	VI	08 08 20 24.0	19.87S	177.66W	424	4.3b	**¶97vi1201**
EIDC	VI	08 08 20 27.3	19.9S	177.7W	447	3.8b	
MOS	VI	08 08 20 28.9	19.9S	178.5W	420	5.1b	
NEIC	Less reliable solution.						
		(113) Western Brazil					
ISC	**VI**	**09 14 20 08.7**±.40	**5.90S**±.051	**71.74W**±.077	**640**±5.7	**4.5b**	**141 8-165**
NEIC	VI	09 14 20 06.3	5.83S	71.78W	603	4.7b	**¶97vi1405**
EIDC	VI	09 14 20 08.2	5.9S	71.9W	617	4.0b	
BJI	VI	09 14 20 09.3	5.80S	71.80W	603		
IGQ	VI	09 14 21 13.9	2.5S	75.2W	7	5.0b	
		(181) Fiji region					
ISC	**VI**	**11 11 53 30.4**±.86	**17.87S**±.044	**178.75W**±.039	**544**±11	**4.9b**	**437 3-167**
MOS	VI	11 11 53 29.7	17.7S	178.8W	532	5.1b	**¶97vi1685**
EIDC	VI	11 11 53 31.4	17.8S	178.7W	546	4.3b	
NEIC	VI	11 11 53 32.7	17.81S	178.84W	573	4.9b	
BJI	VI	11 11 53 34.0	17.22S	178.97W	554	4.8b	
HRVD	VI	11 11 53 38.5±.2	17.58S±.02	178.62W±.02	584±1.3		

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c81; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.87±.04; $M_{\theta\theta}$−1.48±.06; $M_{\phi\phi}$−0.39±.06; $M_{r\theta}$0.40±.06; $M_{r\phi}$−0.69±.06; $M_{\theta\phi}$0.26±.06. Principal Axes: T 2.09,Plg74°,Azm71°; N −0.46, Plg12°,Azm290°; P −1.63,Plg10°,Azm198°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S273°,δ37°,λ69°. NP2:ϕ_S118°,δ56°,λ105°.

		(181) Fiji region					
ISC	**VI**	**15 00 45 30.9**±.77	**20.39S**±.044	**177.84W**±.046	**499**±9.3	**4.6b**	**233 4-165**
NEIC	VI	15 00 45 30.9	20.32S	177.87W	502	4.8b	**¶97vi2197**
BJI	VI	15 00 45 31.1	20.09S	177.84W	501	4.5b	
EIDC	VI	15 00 45 32.4	20.3S	177.9W	505	4.0b	
MOS	VI	15 00 45 34.7	20.3S	178.2W	532	5.1b	
		(262) Celebes Sea					
ISC	**VI**	**21 23 44 59.9**±.40	**3.39N**±.028	**122.95E**±.043	**540**±5.6	**4.7b**	**166 5-165**
BJI	VI	21 23 44 59.3	3.33N	123.03E	537	4.7b	**¶97vi3290**
EIDC	VI	21 23 45 00.4	3.3N	123.0E	533	4.0b	
MOS	VI	21 23 45 00.5	3.4N	123.0E	551	5.0b	
NEIC	VI	21 23 45 00.6	3.41N	122.94E	548	4.9b	
		(171) South of Fiji					
ISC	**VI**	**28 08 05 38.7**±.91	**23.90S**±.053	**179.83W**±.049	**510**±12	**4.9b**	**218 6-164**
NEIC	VI	28 08 05 37.4	23.82S	179.76W	500	5.0b	**¶97vi4449**
BJI	VI	28 08 05 37.6	23.71S	179.85W	494	5.0b	
EIDC	VI	28 08 05 38.0	23.7S	179.8W	494	4.2b	
MOS	VI	28 08 05 39.1	23.7S	179.9W	507	5.2b	
HRVD	VI	28 08 05 46.5±.8	23.56S±.11	179.98W±.07	516±4.9		

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.64±.56; $M_{\theta\theta}$−0.04±1.12; $M_{\phi\phi}$6.68±.92; $M_{r\theta}$2.66±1.44; $M_{r\phi}$0.16±1.16; $M_{\theta\phi}$−1.53±.95. Principal Axes: T 7.03,Plg2°,Azm77°; N 0.59, Plg20°,Azm346°; P −7.61,Plg70°,Azm172°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S186°,δ47°,λ−62°. NP2:ϕ_S329°,δ50°,λ−116°.

FELT AND DAMAGING EARTHQUAKES

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(710) Pakistan						
ISC	**I 01 03 30 43**±1.3	**30.16N**±.061	**68.04E**±.047	**22**±10	**4.2b,**4.1s	**58**	**1-120**
MOS	I 01 03 30 43.4	29.9N	68.1E	33	4.4b		**¶97i0020**
NEIC	I 01 03 30 45.3	30.26N	68.12E	40	4.5b		
BJI	I 01 03 30 47.1	30.70N	67.90E	22	4.2b		
EIDC	I 01 03 30 47.8	30.3N	68.1E	41	3.9b,4.1L		
NEIC	Less reliable solution.						
NEIC	Felt at Harnai.						
	(244) Taiwan						
ISC	**I 01 15 26 29**±2.1	**24.4N**±.10	**121.8E**±.32	**11**		**4**	**0-1**
TAP	I 01 15 26 28.2	24.38N	121.79E	11	2.2L		**¶97i0085**
ISC	Poorly determined						
TAP	Felt I=II J						
	(243) Taiwan region						
ISC	**I 02 05 44 16**±2.4	**21.8N**±.16	**121.40E**±.099	**16**±9.8	3.5b	**18**	**0-85**
TAP	I 02 05 44 17.8	21.98N	121.34E	18	3.9L		**¶97i0164**
TAP	Felt I=II J Lanyu						
	(244) Taiwan						
ISC	**I 02 06 31 43.8**±.49	**22.34N**±.037	**120.99E**±.052	**34**±5.2	**4.1b,**3.9s	**55**	**0-113**
TAP	I 02 06 31 42.4	22.42N	121.09E	20	4.7L		**¶97i0166**
NEIC	I 02 06 31 43.7	22.37N	121.13E	33	4.5b		
BJI	I 02 06 31 44.8	22.61N	120.63E	5	4.3L,4.2b		
EIDC	I 02 06 31 49.1	22.5N	121.2E	71	3.8b		
TAP	Felt I=V J Tawu						
BJI	Ms4.2						
	(244) Taiwan						
TAP	**I 02 06 49 42.0**	**24.42N**	**121.67E**	**13**	**2.4L**		**¶97i0168**
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**I 02 08 49 47**±1.3	**23.05N**±.048	**121.4E**±.10	**6**±11		**12**	**0-2**
TAP	I 02 08 49 47.1	23.06N	121.34E	18	3.4L		**¶97i0180**
TAP	Felt I=II J Chengkung						
	(243) Taiwan region						
ISC	**I 02 09 47 11.3**±.59	**22.80N**±.037	**121.12E**±.063	**7**		**20**	**0-2**
TAP	I 02 09 47 09.9	22.78N	121.09E	7	4.0L		**¶97i0184**
TAP	Felt I=II J Suao, Taitung						
	(159) North Island, New Zealand						
ISC	**I 02 10 29 01.3**±.76	**40.69S**±.054	**176.3E**±.11	**56**	**4.5b**	**39**	**1-152**
NEIC	I 02 10 29 01.0	40.11S	176.20E	33	4.3b		**¶97i0193**
EIDC	I 02 10 29 04.1	40.5S	175.9E	36	4.3b		
WEL	I 02 10 29 05.3	40.49S	176.04E	56	4.4L		
NEIC	Poor solution.						
WEL	Felt I=IV MM Marton to Waitarere Beach						
	(244) Taiwan						
ISC	**I 02 14 00 01**±1.2	**23.69N**±.070	**121.6E**±.12	**19**		**14**	**0-1**
TAP	I 02 14 00 00.9	23.80N	121.43E	19	3.3L		**¶97i0220**
TAP	Felt I=III J						
	(14) Kenai Peninsula						
ISC	**I 02 17 40 22.2**±.26	**60.39N**±.030	**149.51W**±.044	**45**±7.1	**3.3b**	**83**	**0-58**
EIDC	I 02 17 40 18.1	60.6N	149.6W	0	3.4b,3.1L		**¶97i0255**
NEIC	I 02 17 40 23.0	60.42N	149.60W	30			
NEIC	M_L3.5(PMR), M_L3.4(AEIC). Felt, After AEIC.						
NEIC	Felt at Cooper Landing, Moose Pass and Seward.						
	(35) Near coast of Northern California						
ISC	**I 02 22 36 09.0**±.42	**38.98N**±.024	**123.07W**±.042	**12**±3.1	**3.7b**	**68**	**0-84**
EIDC	I 02 22 36 09.1	39.1N	123.0W	0	3.6b		**¶97i0281**
NEIC	I 02 22 36 09.2	39.01N	123.06W	3			
NEIC	Mw4.1(BRK), M_L4.0(BRK). Felt, After GM−P.						
NEIC	MD 3.5 (GM). ML 3.8 (GS). Felt at Kelseyville. Mo=1.4×10^{15}Nm (BRK).						
	(372) Cyprus						
ISC	**I 03 00 00 41.9**±.24	**34.35N**±.023	**32.11E**±.029	**43**±3.8	**4.4b,**3.6s	**187**	**1-84**
RYD	I 03 00 00 30.0	34.61N	30.33E	30	4.1D		**¶97i0288**
MOS	I 03 00 00 38.2	34.3N	32.0E	10	4.7b		
BJI	I 03 00 00 38.2	34.50N	32.20E	10			
NEIC	I 03 00 00 38.2	34.48N	32.16E	10	4.5b,3.6s		
ISK	I 03 00 00 38.6	34.06N	32.10E	10	4.2D		
IPRG	I 03 00 00 43.2±.31	34.3N	32.3E	9±4.1	4.4L,4.5b		
EIDC	I 03 00 00 43.4	34.4N	32.2E	40	4.3b,5.1L		
ISC	Felt I=III MM at Limassol and Pafos (After PPCY)						
NEIC	M_L4.4(JER), M_D4.1(HLW).						
	(73) El Salvador						
ISC	**I 03 02 22 17.8**±.41	**13.27N**±.063	**88.18W**±.055	**191**±3.9	**4.8b**	**191**	**1-151**
MOS	I 03 02 22 13.7	12.8N	88.4W	178	5.0b		**¶97i0300**
BJI	I 03 02 22 18.0	13.50N	88.00W	180			
NEIC	I 03 02 22 18.0	13.51N	88.05W	180	4.8b		
EIDC	I 03 02 22 21.1	13.7N	88.1W	190	4.4b		
NEIC	Felt I=II MM at San Salvador.						
	(244) Taiwan						
ISC	**I 03 07 12 07**±1.0	**24.29N**±.047	**121.88E**±.089	**5**±11		**13**	**0-1**
TAP	I 03 07 12 06.8	24.28N	121.86E	13	3.3L		**¶97i0340**
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**I 03 20 03 57**±2.6	**24.3N**±.14	**121.7E**±.30	**9**		**4**	**0-1**
TAP	I 03 20 03 57.0	24.34N	121.77E	9	2.3L		**¶97i0420**
ISC	Poorly determined						
TAP	Felt I=III J						
	(671) Eastern Siberia						
ISC	**I 03 21 51 27**±2.3	**60.93N**±.029	**167.37E**±.040	**1**±14	**5.6b,5.0s**	**460**	**5-157**
KRSC	I 03 21 51 20.7	61.59N	167.91E	20	5.0b		**¶97i0432**
BJI	I 03 21 51 27.3	61.02N	167.32E	10	5.3b,5.4s		
NEIC	I 03 21 51 28.3	60.96N	167.40E	10	5.7b,4.9s		
MOS	I 03 21 51 28.5	61.0N	167.4E	10	6.0b,5.6s		
EIDC	I 03 21 51 28.5	61.0N	167.3E	0	5.2b,4.5s		
HRVD	I 03 21 51 31.6±.3	60.86N±.05	167.71E±.09	15			
KRSC	Felt I=III MSK Khailino, Tilichiki, I=II Ossora						
NEIC	Mw5.4(GS), Me5.4(GS).						
NEIC	Mw 5.4 (HRV).						
NEIC	Radiated energy from the P−wave first−motion solution: 2.7±0.6×10^{12}Nm/10						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S215°,δ55°,λ90°. NP2:ϕ_S35°,δ35°,λ90°. Principal axes: T Plg80°,Azm125°; P Plg10°,Azm305°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}0.94; $M_{\theta\theta}$0.12; $M_{\phi\phi}$−1.06; $M_{r\theta}$−0.61; $M_{r\phi}$−0.76; $M_{\theta\phi}$−0.56. Depth 9km; Principal axes: T 1.35,Plg66°,Azm150°; N 0.28,Plg13°, Azm30°; P −1.63,Plg20°,Azm295°. Best double couple: $M_0$1.5×10^{17}Nm; NP1:ϕ_S3°,δ27°, λ61°. NP2:ϕ_S215°,δ66°,λ104°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c52; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.13±.33; $M_{\theta\theta}$−1.99±.39; $M_{\phi\phi}$−6.14±.35; $M_{r\theta}$−5.91±1.37; $M_{r\phi}$−8.96±1.78; $M_{\theta\phi}$−4.37±.46. Principal Axes: T 13.3,Plg64°,Azm124°; N 0.8,Plg1°,Azm33°; P −14.1,Plg26°,Azm303°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S31°,δ19°,λ88°. NP2:ϕ_S213°,δ71°,λ91°.						
	(243) Taiwan region						
ISC	**I 03 22 06 48.8**±.50	**21.83N**±.050	**121.37E**±.059	**30**	**4.2b,**4.4s	**41**	**0-85**
TAP	I 03 22 06 45.0	21.63N	121.41E	30	4.6L		**¶97i0436**
NEIC	I 03 22 06 49.1	21.79N	121.41E	33	4.3b		
BJI	I 03 22 06 49.4	21.98N	121.34E	17	4.3b,4.6s		
EIDC	I 03 22 06 54.3	21.8N	121.4E	59	3.9b,3.5L		
TAP	Felt I=II J Lanyu						
NEIC	Less reliable solution.						
	(378) Pyrenees						
ISC	**I 03 22 42 30.6**±.64	**43.23N**±.051	**0.36W**±.061	**2**		**19**	**0-5**
LDG	I 03 22 42 31.5	43.1N	0.4W	2	2.8L		**¶97i0443**
NEIC	I 03 22 42 33.4	43.07N	0.51W	10			
MDD	I 03 22 42 34.1	43.01N	0.52W	8	2.7		
NEIC	mbLg2.8(MDD)						
MDD	Felt I=III MSK, southeast Oloron−ste−Marie, France						
PIST	Felt I=II MSK in the Ossau Valley						
	(376) Portugal						
ISC	**I 04 02 28 42.2**±.94	**39.20N**±.072	**9.0W**±.10	**1**		**9**	**0-2**
LIS	I 04 02 28 43	39.18N	9.10W	1	2.2L		**¶97i0464**
MDD	I 04 02 28 43.2	39.21N	9.07W		3.0		
LIS	Felt I=III MM Pragança, Pereiro, Avenal, Rocha Forte, II−III Tojeira, Cadaval, Vila Nova, Casais da Pedreira, Vila Verde dos Francos, Cabanas de Torres, Paúla, Rechaldeira						
MDD	Felt I=III MSK, Torres Vedras, Portugal						
	(159) North Island, New Zealand						
ISC	**I 04 02 57 48.6**±.79	**38.24S**±.068	**176.37E**±.062	**7**±8.7		**12**	**0-2**
WEL	I 04 02 57 48.9	38.20S	176.38E	5	4.0L		**¶97i0465**
WEL	Felt Okareka.						
	(159) North Island, New Zealand						
ISC	**I 04 03 05 41.9**±.72	**38.23S**±.066	**176.39E**±.057	**6**±8.3		**12**	**0-2**
WEL	I 04 03 05 42.1	38.20S	176.40E	5	3.8L		**¶97i0466**
WEL	Felt Waimangu.						
	(159) North Island, New Zealand						
ISC	**I 04 03 18 32.0**±.87	**38.25S**±.069	**176.40E**±.082	**8**±9.1		**10**	**0-2**
WEL	I 04 03 18 32.5	38.23S	176.39E	5	4.0L		**¶97i0467**
WEL	Felt from Lake Tarawera to Reporoa. This is the largest event of a swarm near Rerewhakaaitu.						
	(76) Off coast of Central America						
ISC	**I 04 03 36 06.5**±.66	**12.56N**±.052	**89.02W**±.048	**60**±4.9	**4.8b,**5.0s	**142**	**1-151**
NEIC	I 04 03 36 05.0	12.49N	89.05W	50	4.9b,5.0s		**¶97i0472**
BJI	I 04 03 36 09.0	12.50N	89.10W	50			
EIDC	I 04 03 36 09.2	12.7N	88.8W	69	4.4b		
NEIC	Felt I=II MM at San Salvador, El Salvador.						
	(376) Portugal						
LIS	**I 04 09 51 24**	**39.20N**	**9.07W**		**2.2L**		**¶97i0518**
LIS	Felt I=II−III MM Tojeira, Paúla, cabanas de Torres, Cabanosdo Cháo						
NEIC	Felt I=II−III MM Avenal, Cadaval (after PMJU)						
	(135) Near coast of Central Chile						
ISC	**I 04 11 21 45.5**±.97	**29.95S**±.062	**71.61W**±.080	**41**±11	**4.7b,**4.3s	**78**	**3-160**
GUC	I 04 11 21 39.9	29.70S	72.51W	48	4.8D		**¶97i0530**
NEIC	I 04 11 21 45.2	29.94S	71.57W	39	4.8b		
EIDC	I 04 11 21 45.6	30.0S	71.6W	31	4.5b,4.7s		
NEIC	Felt I=III MM at La Serena.						
	(76) Off coast of Central America						
ISC	**I 04 18 44 56.0**±.79	**12.69N**±.066	**88.91W**±.057	**57**±5.2	**4.9b,**4.5s	**125**	**1-151**
EIDC	I 04 18 44 47.3	12.5N	88.7W	0	4.7b		**¶97i0573**
NEIC	I 04 18 44 55.9	12.69N	88.88W	57	5.0b		
BJI	I 04 18 44 59.9	12.70N	88.90W	57			
NEIC	Felt I=II MM at San Salvador, El Salvador.						
	(458) Hebgen Lake region						
ISC	**I 05 01 11 05.8**±.43	**44.91N**±.033	**111.59W**±.065	**6**		**23**	**0-7**
NEIC	I 05 01 11 05.3	44.84N	111.55W	6			**¶97i0604**
NEIC	M_L3.7(BUT). Felt, After BUT.						
NEIC	Felt at Wade Lake Lodge (after BUT)						
	(309) Nepal-India border region						
ISC	**I 05 08 47 25**±1.6	**29.87N**±.035	**80.56E**±.024	**25**±11	**5.4b,5.3s**	**421**	**3-152**
EIDC	I 05 08 47 22.0	29.8N	80.5E	0	5.0b,5.0s		**¶97i0643**
BJI	I 05 08 47 24.3	29.83N	80.49E	32	5.5b,5.6s		
MOS	I 05 08 47 24.5	29.6N	80.6E	33	5.7b,5.3s		
NEIC	I 05 08 47 25.4	29.85N	80.53E	33	5.6b,5.3s		
HRVD	I 05 08 47 31.6±.4	29.43N±.04	80.29E±.04	15			
NEIC	Mw5.6(HRV), Me5.3(GS). Damage.						
NEIC	Radiated energy from the P−wave first−motion solution: 1.7±0.4×10^{12}Nm/11						
NEIC	Mw 5.4 (GS). Many houses damaged in western Nepal. Felt at Baitadi and Dandeldhura.						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ75°,λ80°. NP2:ϕ_S334°,δ18°,λ123°. Principal axes: T Plg59°,Azm16°; P Plg29°,Azm218°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}0.89; $M_{\theta\theta}$−0.75; $M_{\phi\phi}$−0.14; $M_{r\theta}$1.21; $M_{r\phi}$−0.59; $M_{\theta\phi}$−0.43. Depth 14km; Principal axes: T 1.80,Plg55°,Azm38°; N −0.40,Plg21°, Azm275°; P −1.40,Plg26°,Azm174°. Best double couple: $M_0$1.6×10^{17}Nm; NP1:ϕ_S225°,δ26°, λ37°. NP2:ϕ_S101°,δ75°,λ112°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c51; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.23±.04; $M_{\theta\theta}$−1.29±.06; $M_{\phi\phi}$0.07±.07; $M_{r\theta}$1.69±.20; $M_{r\phi}$−1.09±.17; $M_{\theta\phi}$0.70±.05. Principal Axes: T 2.29,Plg62°,Azm42°; N 0.32, Plg7°,Azm300°; P −2.61,Plg27°,Azm206°. Best double couple: $M_0$2.5×10^{17}Nm, NP1: ϕ_S279°,δ19°,λ68°. NP2:ϕ_S122°,δ73°,λ97°.						
	(243) Taiwan region						
ISC	**I 05 10 34 20.1**±.30	**24.66N**±.022	**122.46E**±.021	**37**±3.1	**4.9b,5.0s**	**285**	**0-167**
TAP	I 05 10 34 16.9	24.62N	122.53E	1	5.8L		**¶97i0654**
HRVD	I 05 10 34 17.5±.4	24.92N±.05	122.18E±.10	27±5.1			
JMA	I 05 10 34 17.9±.7	24.62N±.04	122.38E±.05	30	4.9		
NEIC	I 05 10 34 19.4	24.68N	122.46E	33	5.3b,4.9s		
MOS	I 05 10 34 19.5	24.7N	122.4E	33	5.7b,5.1s		
BJI	I 05 10 34 21.4	24.92N	122.46E	29	5.5L,5.1b		
EIDC	I 05 10 34 24.8	24.7N	122.5E	68	4.2b,4.5s		
TAP	Felt I=IV J, III Suao, Neicheng, II Ilan, Hwalien						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c28; Half						

duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.35±.66; $M_{\theta\theta}$8.03±.59; $M_{\phi\phi}$−2.68±1.12; $M_{r\theta}$−2.55±1.61; $M_{r\phi}$0.69±1.62; $M_{\theta\phi}$−2.02±.51. Principal Axes: T 8.89,Plg10°,Azm191°; N −3.03,Plg4°,Azm281°; P −5.85,Plg79°,Azm34°. Best double couple: $M_0$7.4×10^{16}Nm, NP1: ϕ_S275°,δ35°,λ−98°. NP2:ϕ_S104°,δ55°,λ−85°.
NEIC Mw5.2(HRV).
BJI Ms5.3

(243) Taiwan region

ISC	**I**	**05 18 40 53.3**±.47	**23.00N**±.034	**122.96E**±.030	**44**±4.5	**4.5b,4.3s**	**153**	**1-92**	
BJI	I	05 18 40 50.1	23.08N	123.07E	20	5.0L,4.8b			**¶97i0700**
NEIC	I	05 18 40 52.0	23.01N	123.05E	33	4.7b,4.2s			
MOS	I	05 18 40 52.2	23.0N	123.1E	33	4.9b			
TAP	I	05 18 40 53.6	23.03N	122.86E	33	5.4L			
JMA	I	05 18 40 54.5±.9	23.14N±.07	123.07E±.05	77				
EIDC	I	05 18 40 58.7	23.1N	123.1E	82	4.0b			

BJI Ms4.2
TAP Felt I=II J Chengkung, Lanyu

(1) Central Alaska

ISC	**I**	**05 21 59 37.2**±.63	**64.48N**±.030	**146.92W**±.086	**8**±5.8		**43**	**0-4**	
NEIC	I	05 21 59 37.1	64.42N	146.91W	10				**¶97i0714**

NEIC M_L2.9(AEIC). Felt, After AEIC.
NEIC Felt at Salcha.

(243) Taiwan region

ISC	**I**	**06 01 51 12.5**±.63	**24.64N**±.035	**122.47E**±.038	**20**±5.4	**4.5b,4.2s**	**65**	**0-83**	
BJI	I	06 01 51 08.9	24.15N	122.71E	31	4.5L,4.4b			**¶97i0735**
TAP	I	06 01 51 12.2	24.65N	122.34E	2	4.7L			
JMA	I	06 01 51 12.5±.9	24.65N±.06	122.45E±.06	28	4.4			
NEIC	I	06 01 51 13.1	24.75N	122.67E	30	4.9b			
MOS	I	06 01 51 13.6	24.6N	122.4E	33	5.0b,4.9s			
EIDC	I	06 01 51 25.3	24.6N	123.2E	111	3.9b			

BJI Ms4.5
TAP Felt I=III, II Suao, Ilan
NEIC Less reliable solution.

(405) Azores

ISC	**I**	**07 09 40 58**±1.7	**38.6N**±.12	**28.7W**±.17	**6**		**5**	**0-0**	
LIS	I	07 09 40 58.0	38.55N	28.71W	6	3.2D			**¶97i0906**

LIS Felt on Faial I=II−III MM Flamengos, II Horta, Praia do Almoxarife, Ribeirinha, Salao
ADH Felt I=III MM on Faial Island at Farrobo, Castelo Branco, Flamengos

(405) Azores

ISC	**I**	**07 17 14 47**±1.0	**38.60N**±.085	**28.66W**±.092	**2**		**5**	**0-0**	
LIS	I	07 17 14 47.0	38.53N	28.66W	2	3.3D			**¶97i0951**

LIS Felt on Faial I=III−IV MM at Flamengos, Chao Frio, Ribeirinha, Horta, III Feteira, Castelo Branco, II−III Praia do Almoxarife, II Capelo, Praia do Norte, Cedros, Salao

(548) Poland

ISC	**I**	**07 23 52 23**±1.8	**51.4N**±.13	**16.04E**±.093	**0**		**8**	**1-3**	
NEIC	I	07 23 52 33.4	50.85N	16.05E	5				**¶97i0993**

ISC Probably mining induced (after WAR)
NEIC M_L2.5(MOX), Less reliable solution.

(87) Haiti region

ISC	**I**	**08 06 43 05**±1.9	**17.68N**±.035	**72.20W**±.026	**6**±12	**5.3b,4.8s**	**318**	**5-155**	
BJI	I	08 06 43 04.0	17.72N	72.23W	9				**¶97i1032**
NEIC	I	08 06 43 04.8	17.67N	72.21W	10	5.3b,4.8s			
MOS	I	08 06 43 07.7	18.1N	72.0W	10	5.7b,4.9s			
HRVD	I	08 06 43 09.3±.6	17.61N±.09	71.90W±.10	15				
EIDC	I	08 06 43 11.3	17.7N	72.2W	46	4.8b,4.5s			

NEIC Mw5.4(HRV)
NEIC Felt in Haiti.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}4.75±.46; $M_{\theta\theta}$−3.51±.60; $M_{\phi\phi}$−1.24±.74; $M_{r\theta}$9.67±1.65; $M_{r\phi}$−9.53±1.92; $M_{\theta\phi}$−0.91±.46. Principal Axes: T 15.6,Plg51°,Azm48°; N −3.2,Plg5°,Azm312°; P −12.4,Plg38°,Azm218°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S275°,δ8°,λ53°. NP2:ϕ_S132°,δ83°,λ95°.

(405) Azores

ISC	**I**	**08 06 59 32**±1.7	**38.6N**±.14	**28.6W**±.11	**2**		**4**	**0-0**	
LIS	I	08 06 59 31.4	38.59N	28.62W	2	3.1D			**¶97i1036**

ISC Poorly determined
LIS Felt on Faial I=II−III MM at Horta, Flamengos, Chao Frio, II Feteira, Castelo Branco, Praia do Almoxarife

(662) Sakhalin

ISC	**I**	**08 10 55 00**±1.6	**53.1N**±.12	**142.7E**±.21	**8**±17	3.8b	**7**	**0-77**	
SKHL	I	08 10 54 59.9	53.14N±.06	142.69E±.14	10±2				**¶97i1051**
EIDC	I	08 10 56 53.5	45.4N	143.3E	700	2.7b			

SKHL K8.7. Felt I=III−IV MSK at Vostochnoe; I=III at Ehabi, Tungor, Okha, Kolendo; I=II−III at Ozernoe

(243) Taiwan region

ISC	**I**	**08 12 14 20.8**±.76	**22.81N**±.042	**121.40E**±.066	**3**		**18**	**0-2**	
TAP	I	08 12 14 19.8	22.79N	121.38E	3	4.1L			**¶97i1057**

TAP Felt I=II J Taitung, II Chengkung

(43) Southern California

ISC	**I**	**08 15 30 36.1**±.64	**34.05N**±.046	**117.23W**±.046	**7**±6.9		**26**	**0-3**	
NEIC	I	08 15 30 36.7	34.04N	117.25W	16				**¶97i1081**

NEIC M_L2.8(GS), M_D2.6(PAS). Felt, After PAS.
NEIC Felt at Salton City.

(383) Northwestern Balkan region

ISC	**I**	**08 15 53 29.8**±.91	**45.28N**±.092	**18.12E**±.088	**10**		**12**	**2-5**	
ZAG	Felt in Slavonski Brod								**¶97i1084**

(76) Off coast of Central America

ISC	**I**	**08 23 15 55**±1.3	**12.41N**±.099	**88.96W**±.083	**53**±8.3	**4.5b**	**53**	**1-151**	
EIDC	I	08 23 15 46.8	12.1N	88.8W	0	4.4b			**¶97i1133**
NEIC	I	08 23 15 54.4	12.38N	88.91W	54	4.6b			

NEIC M_D4.9(SSS). Less reliable solution.
NEIC Felt I=II MM at San Salvador, El Salvador.

(383) Northwestern Balkan region

ISC	**I**	**09 02 09 34.8**±.88	**45.79N**±.070	**15.09E**±.078	**14**		**7**	**0-1**	
LJU	I	09 02 09 35.2	45.8N	15.1E	14				**¶97i1155**

NEIC Felt I=III−IV EMS Potok, Dolnja Straza (after LJU)

(502) Arkansas

NEIC	**I**	**09 03 07 25.9**	**33.20N**	**92.60W**	**5**			**2-4**	
NEIC	mbLg2.8(GS). Felt, After MACR.								**¶97i1159**

NEIC Felt in the El Dorado area.

(383) Northwestern Balkan region

ISC	**I**	**09 03 50 54.1**±.88	**45.79N**±.070	**15.08E**±.078	**14**		**7**	**0-1**	
LJU	I	09 03 50 54.4	45.8N	15.1E	14				**¶97i1163**

NEIC Felt I=III−IV EMS Potok, Dolnja Straza (after LJU)

(243) Taiwan region

ISC	**I**	**09 09 08 13.7**±.89	**22.87N**±.049	**121.55E**±.079	**7**		**17**	**0-2**	
TAP	I	09 09 08 12.9	22.93N	121.53E	7	4.1L			**¶97i1196**

TAP Felt I=IV J Chengkung

(716) Kirgiziya

ISC	**I**	**09 13 43 30.8**±.10	**41.02N**±.022	**74.32E**±.020	**16**	**5.6b,5.8s**	**625**	**2-149**	
MOS	I	09 13 43 31.4	41.2N	74.2E	16	6.0b,5.9s			**¶97i1225**
NEIC	I	09 13 43 31.5	41.03N	74.28E	22	5.7b,5.8s			
BJI	I	09 13 43 31.9	41.25N	74.31E	26	5.7b,6.0s			
EIDC	I	09 13 43 32.1	40.9N	74.2E	21	5.2b,5.6s			
HRVD	I	09 13 43 35.3±.2	41.00N±.02	74.16E±.03	15				

CSEM Mw5.8. M_0=5.8±1.3×10^{17}Nm. Fault plane solution. NP1:ϕ_S101°,δ48°,λ84°. NP2:ϕ_S290°, δ42°,λ97°. Principal axes: T Plg85°,Azm318°; N Plg4°,Azm105°; P Plg3°,Azm951°
MOS Felt I=VII MSK at Kosh−Tebe; I=VI at Kazarman; I=V at Min−Kush; I=IV at Uzgen, Dzhalal−Abad, Naryn, Sufi−Kurgan, Talas, Osh; I=III at Bishkek, Alma−Ata.
MOS M_0=7.8×10^{17}Nm. Fault plane solution. NP1:ϕ_S258°,δ35°,λ65°. NP2:ϕ_S108°,δ59°,λ107°. Principal axes: T Plg71°,Azm56°; N Plg14°,Azm279°; P Plg12°,Azm186°
NEIC Mw5.9(OBN), Me5.6(GS)
NEIC Radiated energy from the P−wave first−motion solution: 5.6±1.2×10^{12}Nm/11
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S85°,δ55°,λ90°. NP2:ϕ_S265°,δ35°,λ90°. Principal axes: T Plg80°,Azm355°; P Plg10°,Azm175°. Depth from synthetics of broadband displacement seismograms.
NEIC Mw 5.8 (HRV), 5.7 (GS). At least 10 houses destroyed and 400 others damaged in the Dzhergetal area. Felt I=VII MM at Koshtebe;
NEIC Moment tensor solution: s28, scale 10^{17}Nm; M_{rr}3.86; $M_{\theta\theta}$−3.93; $M_{\phi\phi}$0.07; $M_{r\theta}$1.17; $M_{r\phi}$0.49; $M_{\theta\phi}$0.57. Depth 14km; Principal axes: T 4.11,Plg78°,Azm317°; N 0.04,Plg9°,Azm96°; P −4.16,Plg8°,Azm187°. Best double couple: $M_0$4.1×10^{17}Nm; NP1:ϕ_S287°,δ38°,λ105°. NP2: ϕ_S89°,δ53°,λ79°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c75; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.99±.08; $M_{\theta\theta}$−4.49±.10; $M_{\phi\phi}$−0.50±.10; $M_{r\theta}$2.59±.31; $M_{r\phi}$1.81±.29; $M_{\theta\phi}$−0.11±.09. Principal Axes: T 6.10,Plg70°,Azm312°; N −0.88, Plg12°,Azm79°; P −5.22,Plg15°,Azm173°. Best double couple: $M_0$5.7×10^{17}Nm, NP1: ϕ_S280°,δ32°,λ114°. NP2:ϕ_S72°,δ61°,λ76°.

(365) Ægean Sea

ISC	**I**	**09 14 16 50.5**±.38	**38.22N**±.033	**24.05E**±.042	**6**	**3.9b**	**52**	**0-74**	
EIDC	I	09 14 16 46.9	37.7N	24.6E	0	3.9b,3.6L			**¶97i1233**
ATH	I	09 14 16 51.5	38.19N	24.04E	6	3.4L			
NEIC	I	09 14 16 53.8	38.29N	24.14E	33				
THE	I	09 14 16 56.2	38.5N	24.0E	22	3.6L			

NEIC Less reliable solution.
NEIC Felt at Athens, Greece.

(244) Taiwan

ISC	**I**	**09 17 01 00.0**±.74	**23.78N**±.059	**121.48E**±.098	**22**		**13**	**0-2**	
TAP	I	09 17 00 59.5	23.76N	121.44E	22	3.6L			**¶97i1249**

TAP Felt I=IV J

(244) Taiwan

ISC	**I**	**09 20 25 16.5**±.79	**23.81N**±.047	**121.76E**±.095	**59**±9.9	3.7b	**23**	**0-83**	
TAP	I	09 20 25 16.4	23.80N	121.78E	41	4.4L			**¶97i1273**
BJI	I	09 20 25 24.2	24.59N	121.02E	5	3.7L			

TAP Felt I=II J

(718) Hindu Kush region

ISC	**I**	**10 02 24 13.0**±.44	**36.44N**±.035	**70.92E**±.030	**201**±5.5	**4.7b**	**270**	**3-139**	
BJI	I	10 02 24 11.7	36.67N	70.67E	195	4.9b			**¶97i1298**
NEIC	I	10 02 24 12.9	36.38N	70.82E	201	4.8b			
MOS	I	10 02 24 13.1	36.6N	70.9E	192	5.2b			
EIDC	I	10 02 24 14.6	36.3N	70.8E	207	4.4b			

NEIC Felt at Peshawar, Pakistan.

(382) Adriatic Sea

ISC	**I**	**10 10 24 50.9**±.20	**42.81N**±.023	**17.81E**±.026	**9**	**4.0b**	**124**	**1-90**	
PDG	I	10 10 24 50.6	42.9N	17.9E	9	3.8D			**¶97i1346**
LDG	I	10 10 24 50.9	42.8N	18.1E		4.1L			
NEIC	I	10 10 24 50.9	42.84N	17.89E	10	4.0b			
MOS	I	10 10 24 51.5	42.8N	17.8E	10	4.1b			
ROM	I	10 10 24 51.6	42.8N	18.1E	10	3.7D			
EIDC	I	10 10 24 57.2	42.8N	17.7E	56	4.0L,3.6b			

ZAG Felt in Dubrovnik, Slano and Ston

(33) Western Idaho

ISC	**I**	**10 17 31 54**±5.9	**44.7N**±.20	**114.2W**±.55	**5**		**9**	**1-3**	
NEIC	I	10 17 31 52.2	44.60N	114.32W	5				**¶97i1399**

NEIC M_L2.6(BUT). Poor solution.
NEIC Felt at Challis.

(224) Hokkaido region

ISC	**I**	**10 19 19 54.8**±.34	**43.05N**±.021	**145.94E**±.040	**88**±3.0	**5.0b**	**352**	**0-150**	
BJI	I	10 19 19 54.3	43.30N	145.77E	76	5.5b,4.4s			**¶97i1410**
MOS	I	10 19 19 54.9	43.1N	145.9E	93	5.5b,4.2s			
NEIC	I	10 19 19 55.1	43.13N	145.90E	89	5.0b			
SKHL	I	10 19 19 56.0	43.2N±.11	146.0E±.29	95±1				
EIDC	I	10 19 19 56.3	43.2N	145.8E	90	4.7b			
JMA	I	10 19 19 56.5±.2	43.09N±.01	145.90E±.02	82±2	5.2			
HRVD	I	10 19 19 59.9±.9	43.13N±.09	145.36E±.09	97±8.2				

NEIC Mw5.2(HRV)
NEIC Felt I=III J at Akkeshi, Bekkai and Naka-shibetsu.
SKHL Felt I=IV MSK at Yuzhno−Kurilsk, I=II−III at Shikotan
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.73±.55; $M_{\theta\theta}$−1.58±1.11; $M_{\phi\phi}$3.31±.71; $M_{r\theta}$3.65±.46; $M_{r\phi}$5.58±.55; $M_{\theta\phi}$−0.24±.83. Principal Axes: T 7.31,Plg35°,Azm285°; N −0.09, Plg18°,Azm29°; P −7.22,Plg49°,Azm141°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S322°,δ20°,λ−158°. NP2:ϕ_S211°,δ83°,λ−72°.

(447) Southern Québec Province

ISC	**I**	**10 19 27 27.4**±.53	**47.54N**±.064	**70.17W**±.086	**19**±6.2		**19**	**0-6**	
OTT	I	10 19 27 27.6	47.5N	70.2W	17	3.2N			**¶97i1412**

OTT Felt in St−Irenee, St−Joseph−de−la−Rive and St−Hilarion. 16km south from La Malbaie, Quebec

(378) Pyrenees

ISC	**I**	**11 14 04 33.0**±.93	**43.23N**±.058	**0.19W**±.083	**2**±12		**13**	**0-5**	
NEIC	I	11 14 04 33.5	43.16N	0.19W	10				**¶97i1533**
MDD	I	11 14 04 34.5	43.14N	0.21W	5	2.6			
LDG	I	11 14 04 34.6	43.1N	0.2W	11	2.7L			

PIST Felt I=I MSK at Asson
NEIC Single network solution.

(57) Michoacan, Mexico

ISC	**I**	**11 20 28 28.0**±.48	**18.17N**±.030	**102.83W**±.028	**49**±3.6	**6.4b,7.0s**	**682**	**1-152**	
NEIC	I	11 20 28 26.0	18.22N	102.76W	33	6.5b,6.9s			**¶97i1574**
MOS	I	11 20 28 27.1	18.5N	102.8W	33	7.1b,7.2s			
MEX	I	11 20 28 27.2	17.9N	103.0W	16	4.5D			
BJI	I	11 20 28 27.4	18.57N	102.79W	33	6.1b,7.4s			
EIDC	I	11 20 28 33.6	18.4N	102.6W	86	5.5b,6.8s			
HRVD	I	11 20 28 39.6±.1	18.34N	102.58W±.01	40				

NEIC Mw7.2(GS), Me7.0(GS). Casualties.
NEIC Radiated energy from the P−wave first−motion solution: 7.4±1.7×10^{14}Nm/13
NEIC Mw 7.2 (HRV). One person killed and extensive damage in the Arteaga area. Felt strongly in much of Michoacan and at Mexico City. Also felt in Colima, Guerrero and Jalisco. Mo=7.5×10^{19}Nm (PPT).
NEIC Moment tensor solution: s22, scale 10^{19}Nm; M_{rr}0.11; $M_{\theta\theta}$−0.39; $M_{\phi\phi}$0.28; $M_{r\theta}$5.89; $M_{r\phi}$−2.41; $M_{\theta\phi}$−0.14. Depth 11km; Principal axes: T 6.33,Plg46°,Azm25°; N 0.09,Plg3°, Azm292°; P −6.42,Plg44°,Azm199°. Best double couple: $M_0$6.4×10^{19}Nm; NP1:ϕ_S215°,δ3°, λ13°. NP2:ϕ_S112°,δ89°,λ93°.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ88°,λ−115°. NP2:ϕ_S191°,δ25°,λ−5°. Principal axes: T Plg38°,Azm37°; P Plg42°,Azm171°. Complex earthquake, with at least

Agency Origin Time φ λ h Mag n Δ-Rng
mo d h m s ° ° km °
one event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms, based on second event.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c108; Mantle waves: s44,c107; Half duration: 9s4. Moment tensor: Scale 10^{19}Nm; M_{rr}−1.44±.01; $M_{\theta\theta}$0.50±.01; $M_{\phi\phi}$0.94±.01; $M_{r\theta}$5.17±.03; $M_{r\phi}$−2.05±.03; $M_{\theta\phi}$−2.14±.01. Principal Axes: T 6.39,Plg35°,Azm35°; N −0.66,Plg16°,Azm294°; P −5.73,Plg51°,Azm183°. Best double couple: $M_0$6.1×10^{19}Nm, NP1:ϕ_S175°,δ18°,λ−28°. NP2:ϕ_S292°,δ82°,λ−106°.

(23) British Columbia

ISC	**I**	**12 06 01 07.6**±.39	**49.60N**±.038	**120.48W**±.048	**10**	3.6b	**42**	**1-24**
EIDC	I	12 06 01 03.2	49.8N	121.5W	0	3.7L,3.7b		**¶97i1632**
NEIC	I	12 06 01 08.0	49.60N	120.50W	5			
PGC	I	12 06 01 08.3	49.6N	120.5W	10	3.5L		

NEIC M_D4.1(SEA), M_L3.5(PGC). Felt, After PGC.
PGC Felt. Southern British Columbia.Felt I=IV MM in Princeton, Merritt, Penticton, Kelowna, Peachland,and Oliver. In Vernon dishes rattled, in Merritt it was described as a muffled explosion.

(377) Spain

ISC	**I**	**12 08 32 56**±1.2	**37.39N**±.056	**2.14W**±.072	**8**±10		**27**	**0-5**
NEIC	I	12 08 32 56.5	37.38N	2.11W	10			**¶97i1650**
LIS	I	12 08 32 57	37.35N	2.07W		2.6L		
MDD	I	12 08 32 57.8	37.32N	2.05W	12	3.4		

NEIC mbLg3.5(MDD). Single network solution.
MDD Felt I=III−IV MSK, south Albox

(404) Azores region

ADH	**I**	**12 10 42 40.3**	**37.15N**	**24.72W**	**0**	**3.7D**		**¶97i1665**
LIS	I	12 10 42 38.3	37.27N	24.31W		4.2D		

ADH Felt on Santa Maria Island I=II−III MM Covas de Almagreiras, Saõ Pedro, II Vila do Porto, and in the airport zone

(391) Albania

ISC	**I**	**12 12 10 51.5**±.41	**40.82N**±.018	**19.69E**±.017	**18**±4.0	**4.6b,4.7s**	**348**	**0-123**
ATH	I	12 12 10 46.0	40.97N	19.29E	5	5.2L		**¶97i1676**
LDG	I	12 12 10 47.7	41.1N	20.5E		4.6L		
ROM	I	12 12 10 49.1	40.8N	20.3E	10	4.5D		
MOS	I	12 12 10 49.6	40.8N	19.5E	10	5.3b,4.7s		
TIR	I	12 12 10 50.7	40.74N	19.97E	10	4.4L		
NEIC	I	12 12 10 51.3	40.96N	19.67E	10	4.8b,4.7s		
BJI	I	12 12 10 51.4	41.04N	19.67E	21	4.8b,5.1s		
THE	I	12 12 10 51.8	40.7N	19.7E	9	4.4L		
PDG	I	12 12 10 53.2	40.8N	19.4E	10	4.6L		
EIDC	I	12 12 10 59.2	41.1N	19.7E	52	4.3b,4.4s		

TIR Felt I=V−VI MSK Dept. of Berati and Gramshi, IV−V Dept of Elbasani and Skrapari, IV Dept of Vlora, Tepelena, Korca and Kavaja, III Tirana
NEIC More than 70 houses damaged in the Berat District. Damage at Ura Vajgurore. Felt I=V MM at Cerri

(372) Cyprus

ISC	**I**	**13 10 19 24.5**±.48	**34.29N**±.017	**32.31E**±.018	**19**±4.1	**5.2b,5.3s**	**510**	**1-151**
BJI	I	13 10 19 24.4	34.40N	32.14E	33	5.2b,5.6s		**¶97i1822**
IPRG	I	13 10 19 25.4±.65	34.3N	32.5E	10±5.2	5.9L,5.6b		
THE	I	13 10 19 25.6	34.3N	32.4E	17	5.2L		
MOS	I	13 10 19 26.0	34.3N	32.3E	33	5.8b,5.1s		
NEIC	I	13 10 19 26.1	34.31N	32.33E	33	5.3b,5.4s		
EIDC	I	13 10 19 28.1	34.3N	32.3E	37	4.9b,5.2s		
HRVD	I	13 10 19 28.3±.3	34.09N±.03	31.74E±.03	33			

ISC Felt I=VI MM at Limassol, I=V at Pafos,
NEIC M_L5.9(CSS), Mw5.7(GS)
NEIC Mw 5.7 (HRV). Felt in Israel and Lebanon. Also felt at Cairo, Egypt.
NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}0.09; $M_{\theta\theta}$2.36; $M_{\phi\phi}$−2.45; $M_{r\theta}$1.27; $M_{r\phi}$0.78; $M_{\theta\phi}$2.81. Depth 15km; Principal axes: T 4.19,Plg20°,Azm335°; N −0.43,Plg70°,Azm164°; P −3.76,Plg3°,Azm66°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S112°,δ74°,λ12°. NP2: ϕ_S19°,δ78°,λ164°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c59; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.08; $M_{\theta\theta}$1.01±.11; $M_{\phi\phi}$−1.14±.09; $M_{r\theta}$−0.73±.18; $M_{r\phi}$1.17±.18; $M_{\theta\phi}$3.60±.10. Principal Axes: T 3.70,Plg2°,Azm323°; N 0.56, Plg73°,Azm227°; P −4.25,Plg17°,Azm54°. Best double couple: $M_0$4.0×10^{17}Nm, NP1:ϕ_S97°, δ76°,λ−11°. NP2:ϕ_S190°,δ79°,λ−166°.

(43) Southern California

ISC	**I**	**13 11 29 36**±1.3	**33.41N**±.073	**116.91W**±.059	**9**±9.0		**19**	**0-5**
NEIC	I	13 11 29 37.6	33.45N	116.90W	14			**¶97i1830**
ECX	I	13 11 29 38.5	33.39N	116.99W	8	3.6D		

NEIC M_D3.6(PAS). Felt, After PAS.
NEIC Felt in the Escondido area.

(43) Southern California

ISC	**I**	**13 16 43 59.3**±.72	**33.36N**±.056	**116.96W**±.054	**9**		**21**	**0-2**
NEIC	I	13 16 43 59.6	33.38N	116.98W	9			**¶97i1872**

NEIC M_D2.9(PAS). Felt, After PAS.
NEIC Felt slightly in the Escondido area.

(372) Cyprus

ISC	**I**	**13 18 15 58.5**±.30	**34.27N**±.029	**32.35E**±.036	**38**±4.4	**4.2b**,4.1s	**124**	**1-81**
RYD	I	13 18 15 53.3	34.85N	32.31E	38	4.2D		**¶97i1882**
NEIC	I	13 18 15 57.6	34.33N	32.40E	33	4.1b		
MOS	I	13 18 15 57.9	34.4N	32.5E	33	4.4b		
IPRG	I	13 18 15 58.6±.44	34.3N	32.5E	9±3.4	4.3L,4.4b		
EIDC	I	13 18 16 01.3	34.0N	32.1E	64	3.9b		

ISC Felt I=III MM at Limassol and Pafos (After PPCY)
NEIC $M_{L4.3}$(JER).

(178) Kermadec Islands

ISC	**I**	**13 23 37 23**±1.3	**30.4S**±.12	**178.1W**±.14	**118**±11	**4.9b**	**55**	**1-160**
NEIC	I	13 23 37 38.2	30.50S	178.48W	250	4.8b		**¶97i1914**
EIDC	I	13 23 37 50.1	30.4S	178.9W	335	4.3b		

WEL Felt I=IV MM Raoul Island
NEIC Less reliable solution.

(372) Cyprus

ISC	**I**	**14 03 30 36.2**±.34	**34.30N**±.032	**32.40E**±.049	**47**±6.9	**3.9b**	**77**	**1-80**
RYD	I	14 03 30 28.8	34.79N	31.67E	37	3.9D		**¶97i1947**
NEIC	I	14 03 30 34.2	34.32N	32.52E	33	4.0b		
EIDC	I	14 03 30 34.7	34.4N	32.4E	12	3.8b		
IPRG	I	14 03 30 37.3±.38	34.3N	32.4E	25	3.9L,4.2b		

ISC Felt I=III MM at Limassol and Pafos (After PPCY)
NEIC M_D3.9(HLW), Less reliable solution.

(448) Gaspé Peninsula

ISC	**I**	**14 04 47 31.8**±.52	**47.64N**±.059	**69.84W**±.072	**18**±6.9		**19**	**0-8**
OTT	I	14 04 47 32.4	47.7N	69.9W	15	3.1N		**¶97i1954**

OTT 21km east from La Malbaie, Quebec. Weakly felt in St−Fidele.

(221) Kuril Islands

ISC	**I**	**14 08 13 02.8**±.66	**49.30N**±.046	**155.72E**±.058	**55**±5.3	**4.9b,4.3s**	**179**	**1-146**
BJI	I	14 08 12 59.2	49.26N	155.72E	33	4.7b,4.5s		**¶97i1970**
MOS	I	14 08 13 00.1	49.2N	155.8E	33	4.9b,3.9s		
NEIC	I	14 08 13 00.2	49.33N	155.66E	33	5.0b,4.4s		
EIDC	I	14 08 13 01.5	49.3N	155.6E	28	4.5b,4.0s		
SKHL	I	14 08 13 04.0	49.2N±.14	155.9E±.22	65			

SKHL K11.5. Felt I=I−II MSK at Severo−Kurilsk

(244) Taiwan

ISC	**I**	**14 14 10 45.0**±.66	**23.88N**±.048	**121.88E**±.094	**56**±8.0	**3.6b**	**27**	**0-83**
EIDC	I	14 14 10 38.8	23.9N	122.1E	0	3.6b		**¶97i2003**
TAP	I	14 14 10 45.5	23.88N	121.86E	35	4.3L		
BJI	I	14 14 10 45.9	24.21N	121.57E	10	3.5L		

TAP Felt I=II J Hwalien

(92) Leeward Islands

ISC	**I**	**14 18 03 34.8**±.42	**17.32N**±.036	**61.66W**±.037	**60**±5.1	**4.7b,4.5s**	**144**	**0-165**
EIDC	I	14 18 03 28.1	17.3N	61.7W	0	4.5b		**¶97i2031**
TRN	I	14 18 03 31.9	17.5N	61.6W	58	5.4D		
BJI	I	14 18 03 33.8	17.44N	62.01W	49			
NEIC	I	14 18 03 34.4	17.37N	61.62W	55	4.8b		

TRN Felt I=IV MM Antigua, Guadeloupe and St.Kitts, I=IV on Montserrat
NEIC M_D5.4(FDF)

(73) El Salvador

ISC	**I**	**14 19 53 17**±2.3	**13.5N**±.36	**89.8W**±.12	**73**±8.3	**4.1b**	**21**	**0-150**
NEIC	I	14 19 53 10.7	12.92N	90.19W	50	4.0b		**¶97i2046**
EIDC	I	14 19 53 13.2	13.6N	89.0W	27	3.7b		

NEIC M_D4.2(SSS). Less reliable solution.
NEIC Felt I=II MM at San Salvador, El Salvador.

(243) Taiwan region

ISC	**I**	**14 21 32 46**±4.9	**24.36N**±.060	**122.0E**±.43	**8**±16		**11**	**0-2**
TAP	I	14 21 32 45.7	24.39N	121.94E	8	3.2L		**¶97i2062**

TAP Felt I=III J

(392) Greece-Albania border region

ISC	**I**	**14 22 58 17.2**±.50	**40.57N**±.024	**20.78E**±.024	**11**±4.3	**3.8b**	**121**	**0-93**
ROM	I	14 22 58 10.1	40.5N	21.8E	10	3.7D		**¶97i2073**
TIR	I	14 22 58 16.5	40.53N	20.84E	2	3.6L		
NEIC	I	14 22 58 16.5	40.55N	20.69E	10	4.1b		
LDG	I	14 22 58 17.6	41.1N	21.4E		3.9L		
PDG	I	14 22 58 18.4	40.4N	20.4E	10	4.0L,3.8D		
ATH	I	14 22 58 18.5	40.53N	20.90E	5	4.1L		
THE	I	14 22 58 18.6	40.5N	20.9E	8	3.7L		
EIDC	I	14 22 58 21.0	40.9N	20.9E	0	3.5b,4.2L		

TIR Felt I=IV MSK Dept. of Korca
NEIC $M_{L3.5}$(SKO).

(48) Lower California

ISC	**I**	**14 23 55 31**±7.1	**31.2N**±.23	**115.7W**±.22	**21**±51	3.3b	**9**	**3-39**
EIDC	I	14 23 55 30.1	31.2N	115.9W	0	3.9L,3.4b		**¶97i2074**
ECX	I	14 23 55 32.4	31.26N	115.57W	16	4.1D		

ECX Felt in the valley of Trinidad

(372) Cyprus

ISC	**I**	**15 05 00 53.2**±.53	**34.28N**±.037	**32.35E**±.066	**38**±8.2	**3.9b**	**68**	**1-80**
RYD	I	15 05 00 46.0	34.78N	31.8E	35	3.9D		**¶97i2097**
NEIC	I	15 05 00 52.7	34.38N	32.45E	33	3.8b		
IPRG	I	15 05 00 54.0±.35	34.4N	32.4E	25	4.2L,4.3b		
EIDC	I	15 05 00 54.4	34.4N	32.5E	30	3.8b		

ISC Felt I=III MM at Limassol and Pafos(After PPCY)
NEIC $M_{L4.2}$(JER).

(43) Southern California

ISC	**I**	**15 16 17 18.9**±.73	**33.82N**±.048	**116.99W**±.048	**13**±7.2		**23**	**0-3**
NEIC	I	15 16 17 19.3	33.82N	117.00W	13			**¶97i2176**
ECX	I	15 16 17 19.4	33.79N	117.08W	5	3.4D		

NEIC M_D3.2(PAS), M_L3.1(GS). Felt, After PAS.
NEIC Felt at Hemet and in the Perris Lake area.

(14) Kenai Peninsula

ISC	**I**	**15 18 06 33.3**±.23	**59.81N**±.027	**151.65W**±.041	**75**±3.3	**3.9b**	**124**	**0-84**
EIDC	I	15 18 06 34.7	59.9N	151.9W	69	3.6b		**¶97i2188**
NEIC	I	15 18 06 35.8	59.87N	151.75W	48			

NEIC M_L4.2(AEIC), M_L4.0(PMR). Felt, After AEIC.
NEIC Felt at Anchor Point, Clam Gulch, Homer, Ninilchik and Seldovia.

(115) Near coast of Peru

ISC	**I**	**15 20 42 39**±2.6	**15.2S**±.24	**75.9W**±.23	**34**±17	**4.3b**	**33**	**3-174**
EIDC	I	15 20 42 36.8	15.0S	75.6W	0	4.3b,4.3L		**¶97i2206**
NEIC	I	15 20 42 39.7	15.00S	75.70W	33	4.4b		
BJI	I	15 20 42 43.7	15.00S	75.70W	33			

NEIC Less reliable solution.
NEIC Felt I=II MM at Arequipa (after ARE)

(243) Taiwan region

ISC	**I**	**16 01 07 18.7**±.70	**21.86N**±.029	**121.44E**±.032	**20**±4.7	**5.2b,4.8s**	**269**	**0-169**
NEIC	I	16 01 07 19.8	21.88N	121.46E	30	5.3b,4.5s		**¶97i2232**
MOS	I	16 01 07 20.0	21.9N	121.5E	33	5.5b,4.9s		
BJI	I	16 01 07 20.3	22.13N	121.27E	19	4.8L,5.0b		
TAP	I	16 01 07 20.4	22.01N	121.30E	9	5.4L		
EIDC	I	16 01 07 24.2	21.9N	121.6E	60	4.6b,4.6L		

NEIC Felt.
BJI Ms4.9
TAP Felt I=IV J Lanyu, II Hengchun

(243) Taiwan region

ISC	**I**	**16 09 45 46**±1.2	**21.57N**±.047	**121.32E**±.059	**19**±8.8	**4.1b**	**56**	**1-85**
TAP	I	16 09 45 44.4	21.56N	121.38E	11	4.8L		**¶97i2287**
NEIC	I	16 09 45 47.3	21.58N	121.28E	33	4.2b		
MOS	I	16 09 45 47.5	21.6N	121.3E	33	4.3b		
BJI	I	16 09 45 48.9	21.84N	121.16E	25	3.9L,4.5b		
EIDC	I	16 09 45 51.1	21.6N	121.4E	53	3.9b,3.9L		

TAP Felt I=II J Lanyu
BJI Ms4.1

(286) Flores region

ISC	**I**	**17 11 20 21.8**±.76	**8.87S**±.024	**123.54E**±.027	**110**±7.3	**6.0b**	**563**	**1-175**
BJI	I	17 11 20 20.9	8.93S	123.68E	107	6.2b		**¶97i2437**
NEIC	I	17 11 20 22.0	8.90S	123.54E	111	6.2b		
MOS	I	17 11 20 22.3	8.6S	123.7E	104	6.7b		
EIDC	I	17 11 20 24.5	8.8S	123.6E	117	5.7b,5.6s		
HRVD	I	17 11 20 28.0±.1	8.88S±.01	123.72E±.01	113±.7			

NEIC Mw6.2(GS), Me6.0(GS)
NEIC Mw 6.2 (HRV). Felt I=IV MM at Waingapu.
NEIC Radiated energy from the P−wave first−motion solution: 2.1±0.4×10^{13}Nm/15
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S70°,δ86°,λ120°. NP2:ϕ_S167°,δ30°,λ8°. Principal axes: T Plg41°,Azm8°; P Plg34°,Azm135°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s21, scale 10^{18}Nm; M_{rr}−0.14; $M_{\theta\theta}$0.70; $M_{\phi\phi}$−0.56; $M_{r\theta}$1.77; $M_{r\phi}$1.11; $M_{\theta\phi}$−0.25. Depth 111km; Principal axes: T 2.20,Plg41°,Azm345°; N 0.00,Plg18°, Azm239°; P −2.20,Plg44°,Azm131°. Best double couple: $M_0$2.2×10^{18}Nm; NP1:ϕ_S143°,δ18°, λ−6°. NP2:ϕ_S239°,δ88°,λ−108°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c125; Mantle waves: s43,c72; Half duration: 3s1. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.19±.02; $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$−0.01±.03; $M_{r\theta}$1.70±.01; $M_{r\phi}$1.05±.02; $M_{\theta\phi}$−0.27±.02. Principal Axes: T 1.86,Plg44°,Azm336°; N 0.29,Plg6°,Azm240°; P −2.15,Plg45°,Azm143°. Best double couple: $M_0$2.0×10^{18}Nm, NP1:ϕ_S143°,δ6°,λ−7°. NP2:ϕ_S240°,δ89°,λ−96°.

(98) Trinidad

ISC	**I**	**17 11 35 48**±2.9	**10.9N**±.17	**61.9W**±.23	**77**±35		**14**	**0-5**
TRN	I	17 11 35 48.7	10.9N	61.9W	69	3.6D		**¶97i2439**
NEIC	I	17 11 35 49.9	11.01N	61.83W	50			

TRN ML4.9 (after PAG). Felt I=II MM on Trinidad
NEIC Single network solution.

(238) Ryūkyū Islands

ISC	**I**	**17 15 53 12.6**±.57	**28.80N**±.018	**129.97E**±.021	**27**±4.2	**5.8b,6.3s**	**711**	**0-171**
EIDC	I	17 15 53 09.7	28.8N	129.8E	0	5.3b,6.1s		**¶97i2479**
BJI	I	17 15 53 12.7	28.71N	130.04E	34	6.0b,6.4s		
MOS	I	17 15 53 13.3	28.8N	130.0E	33	6.3b,6.6s		
JMA	I	17 15 53 13.4±.1	28.75N±.01	130.06E±.03	43±4	5.8		
NEIC	I	17 15 53 13.4	28.81N	129.95E	33	5.9b,6.3s		
HRVD	I	17 15 53 17.1±.1	28.76N±.01	129.83E±.02	15			

JMA Felt I=IV J1
NEIC Mw6.3(HRV), Me5.8(GS).
NEIC Mw 6.2 (GS).
NEIC Radiated energy from the P−wave first−motion solution: 1.3±0.4×10^{13}Nm/10
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S30°,δ88°,λ70°. NP2:ϕ_S295°,δ20°,λ174°. Principal axes: T Plg44°,Azm281°; P Plg40°,Azm138°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s25, scale 10^{18}Nm; M_{rr}0.61; $M_{\theta\theta}$−0.83; $M_{\phi\phi}$0.22; $M_{r\theta}$0.59; $M_{r\phi}$2.34; $M_{\theta\phi}$0.00. Depth 6km; Principal axes: T 2.82,Plg48°,Azm280°; N −0.75,Plg7°,Azm18°; P −2.07,Plg42°,Azm115°. Best double couple: $M_0$2.4×10^{18}Nm; NP1:ϕ_S266°,δ8°,λ157°. NP2: ϕ_S18°,δ87°,λ83°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c95; Mantle waves: s18,c22; Half duration: 3s1. Moment tensor: Scale 10^{18}Nm; M_{rr}0.23±.01; $M_{\theta\theta}$−0.21±.01; $M_{\phi\phi}$−0.02±.01; $M_{r\theta}$1.27±.04; $M_{r\phi}$2.37±.04; $M_{\theta\phi}$−0.47±.01. Principal Axes: T 2.62,Plg48°,Azm290°; N 0.23,Plg7°,Azm28°; P −2.84,Plg41°,Azm124°. Best double couple: $M_0$2.7×10^{18}Nm, NP1:ϕ_S272°,δ8°,λ154°. NP2:ϕ_S28°,δ86°,λ83°.

(43) Southern California

ISC	**I**	**18 00 11 30.2**±.62	**34.15N**±.039	**116.37W**±.069	**1**		**19**	**0-2**
NEIC	I	18 00 11 30.7	34.16N	116.42W	1			**¶97i2569**

NEIC M_D3.1(PAS), M_L3.1(GS). Felt, After PAS.
NEIC Felt at Yucca Valley.

(43) Southern California

ISC	**I**	**18 00 44 07.9**±.72	**34.33N**±.042	**118.73W**±.046	**14**±6.5		**33**	**0-2**
NEIC	I	18 00 44 08.5	34.36N	118.74W	17			**¶97i2572**

NEIC M_D3.0(PAS), M_L3.0(GS). Felt, After PAS.
NEIC Felt in Simi Valley.

(448) Gaspé Peninsula

ISC	**I**	**18 02 46 06**±5.1	**49.6N**±.19	**66.6W**±.36	**3**±26		**8**	**0-5**
OTT	I	18 02 46 09.6	49.5N	66.9W	18	3.1N		**¶97i2585**

OTT Felt by residents of Pointe−aux−Anglais and by a few at Riviere−Pentecote. First of a series of events.

(372) Cyprus

ISC	**I**	**18 04 11 12.9**±.32	**34.28N**±.028	**32.40E**±.042	**41**±6.2	**3.9b**	**98**	**1-80**
RYD	I	18 04 11 05.3	33.85N	30.2E	20	3.9D		**¶97i2598**
ISK	I	18 04 11 10.2	34.06N	32.39E	10	4.3D		
NEIC	I	18 04 11 12.2	34.31N	32.39E	33	4.1b		
IPRG	I	18 04 11 13.2±.31	34.4N	32.4E	25	4.3L,4.4b		
EIDC	I	18 04 11 15.8	34.2N	32.3E	50	3.6b		

ISC Felt I=III MM at Limassol and Pafos(After CSS)
NEIC $M_{L4.3}$(JER).

(98) Trinidad

ISC	**I**	**18 07 18 01**±2.3	**10.4N**±.21	**61.4W**±.14	**33**±15		**6**	**0-1**
NEIC	I	18 07 18 00.7	10.40N	61.42W	33			**¶97i2624**
TRN	I	18 07 18 01.0	10.5N	61.4W	26	3.5D		

NEIC Single network solution.
TRN Felt I=II MM on Trinidad

(243) Taiwan region

ISC	**I**	**18 17 13 49.3**±.36	**24.04N**±.028	**122.50E**±.029	**41**±3.1	**4.9b,5.0s**	**214**	**1-167**
MOS	I	18 17 13 47.2	24.0N	122.7E	34	5.3b,5.0s		**¶97i2693**
TAP	I	18 17 13 47.8	23.93N	122.44E	15	5.4L		
BJI	I	18 17 13 48.1	24.14N	122.47E	27	5.1L,5.0b		
JMA	I	18 17 13 49.1±.7	24.26N±.06	122.38E±.05	62	5.0		
NEIC	I	18 17 13 50.6	24.18N	122.67E	56	5.0b,4.9s		
EIDC	I	18 17 13 57.9	24.1N	122.4E	109	4.3b		

TAP Felt I=III J , II Ilan
BJI Ms5.0

(479) Colorado

ISC	**I**	**18 22 04 35.2**±.69	**39.12N**±.065	**104.58W**±.085	**5**	3.3b	**11**	**1-35**
EIDC	I	18 22 04 38.3	39.3N	104.5W	0	3.5L,3.3b		**¶97i2720**
NEIC	I	18 22 04 39.0	39.10N	105.10W	5	3.3b		

NEIC M_L2.8(GS). Felt, After MACR.
NEIC Felt in the Woodland Park area. Felt in El Paso and Teller Counties.

(479) Colorado

ISC	**I**	**19 03 56 56.5**±.91	**39.21N**±.078	**105.1W**±.11	**5**	2.8b	**7**	**1-24**
NEIC	I	19 03 56 56.3	39.10N	105.10W	5	2.9b		**¶97i2774**

NEIC M_L2.6(GS). Felt, After MACR.
NEIC Felt in the Woodland Park area. Felt in El Paso and Teller Counties.

(479) Colorado

ISC	**I**	**19 04 36 15**±2.5	**39.17N**±.096	**104.9W**±.18	**19**±23	3.1b	**8**	**1-24**
EIDC	I	19 04 36 13.1	39.4N	104.5W	0	3.2b,3.1L		**¶97i2780**
NEIC	I	19 04 36 15.0	39.10N	105.10W	5			

NEIC M_L2.7(GS). Felt, After MACR.
NEIC Felt in the Woodland Park area. Felt in El Paso and Teller Counties.

(7) Andreanof Islands

ISC	**I**	**19 05 32 14.1**±.83	**51.53N**±.040	**178.21W**±.037	**48**±7.3	**5.2b,5.2s**	**373**	**1-155**
MOS	I	19 05 32 11.8	51.4N	178.3W	33	5.7b,5.3s		**¶97i2789**
NEIC	I	19 05 32 12.1	51.51N	178.22W	33	5.2b,5.1s		
BJI	I	19 05 32 12.5	51.60N	178.49W	32	5.7b,5.3s		
HRVD	I	19 05 32 15.1±.2	51.51N±.02	177.79W±.03	41			
EIDC	I	19 05 32 16.8	51.5N	178.1W	64	4.6b,4.9s		

NEIC Mw5.7(HRV), M_L5.7(PMR). Felt.
NEIC Felt on Adak.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c83; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.05; $M_{\theta\theta}$−2.20±.07; $M_{\phi\phi}$−0.35±.05; $M_{r\theta}$2.07±.11; $M_{r\phi}$1.86±.12; $M_{\theta\phi}$−1.02±.09. Principal Axes: T 3.83,Plg65°,Azm307°; N −0.04, Plg9°,Azm57°; P −3.79,Plg23°,Azm151°. Best double couple: $M_0$3.8×10^{17}Nm, NP1:ϕ_S259°, δ23°,λ114°. NP2:ϕ_S53°,δ69°,λ80°.

(287) Sumba region

ISC	**I**	**19 11 14 30**±1.1	**9.7S**±.15	**120.4E**±.18	**42**±13	**4.1b**	**9**	**0-70**
EIDC	I	19 11 14 27.0	9.4S	120.8E	0	4.1b,4.0L		**¶97i2830**
NEIC	I	19 11 14 28.9	9.57S	120.62E	33	4.1b		

NEIC Felt I=III MM, Less reliable solution.
NEIC Felt I=III MM at Waingapu.

(376) Portugal

ISC	**I**	**19 12 00 51**±1.1	**38.73N**±.030	**7.79W**±.053	**8**±11		**44**	**0-10**
LDG	I	19 11 59 57.8	36.0N	11.8W	2	4.2L		**¶97i2836**
NEIC	I	19 12 00 28.1	38.69N	7.65W	10			
LIS	I	19 12 00 53	38.68N	7.87W	8	3.6L		
MDD	I	19 12 00 53.3	38.68N	7.88W	7	3.5		

NEIC mbLg3.6(MDD). Single network solution.
LIS Felt I=III−IV MM Arraiolos, Montemor−o−Nova, Évora, III Redondo
MDD Felt I=III−IV MSK, Arraiolos, Portugal

(391) Albania

ISC	**I**	**19 19 42 39.6**±.38	**40.77N**±.017	**19.71E**±.016	**20**±3.7	**4.7b,4.6s**	**371**	**0-123**
LDG	I	19 19 42 36.2	41.1N	20.5E	2	4.8L		**¶97i2878**
MOS	I	19 19 42 38.3	40.8N	19.7E	10	5.3b,4.5s		
BJI	I	19 19 42 38.4	40.80N	19.70E	10	5.0b		
NEIC	I	19 19 42 38.4	40.82N	19.67E	10	4.8b		
THE	I	19 19 42 38.6	40.8N	19.5E	16	4.5L		
TIR	I	19 19 42 38.9	40.71N	19.95E	16	4.4L		
ATH	I	19 19 42 39.0	40.85N	19.46E	34	4.9L		
PDG	I	19 19 42 39.2	40.7N	19.7E	9	4.7D		
EIDC	I	19 19 42 47.7	41.1N	19.8E	60	4.3b,4.3s		

NEIC Felt I=IV MM in the Bitola-Resen area and III MM at Skopje, former Yugoslav Republic of Macedonia.
TIR Felt I=V MSK Dept of Berati and Gramshi, IV Dept of Skrapari, Elbasani, Tepalina, Vlora and Kavaja, III Tirana

(244) Taiwan

ISC	**I**	**20 05 52 59.9**±.62	**24.07N**±.040	**121.90E**±.086	**57**±5.1	**3.8b**	**39**	**0-83**
BJI	I	20 05 52 52.5	23.96N	122.00E	5	4.0L,4.1b		**¶97i2947**
NEIC	I	20 05 52 57.6	24.19N	122.31E	33	4.2b		
TAP	I	20 05 53 00.4	24.07N	121.85E	34	4.6L		
EIDC	I	20 05 53 13.0	24.1N	122.1E	161	3.4b		

BJI Ms3.7
NEIC Less reliable solution.
TAP Felt I=III J, II Chiawan, Hwalien

(159) North Island, New Zealand

ISC	**I**	**20 16 46 11.6**±.68	**39.98S**±.041	**176.89E**±.094	**64**±7.6	**4.0b**	**44**	**1-152**
WEL	I	20 16 46 14.4	39.82S	176.76E	58	4.5L		**¶97i3044**
EIDC	I	20 16 46 15.2	39.5S	176.7E	56	3.8b		

WEL Felt I=IV MM Mt Vernon,Waipukurau

(244) Taiwan

ISC	**I**	**20 22 15 40**±2.5	**24.29N**±.096	**121.8E**±.35	**9**		**5**	**0-1**
TAP	I	20 22 15 39.8	24.32N	121.76E	9	2.6L		**¶97i3093**

TAP Felt I=III J

(321) Southern Xinjiang Province

ISC	**I**	**21 01 48 31**±1.5	**39.52N**±.056	**76.96E**±.053	**37**±14	**5.1b,5.9s**	**111**	**1-142**
EIDC	I	21 01 48 27.2	39.5N	76.9E	0	5.0b		**¶97i3117**
HRVD	I	21 01 48 28.6±.2	39.51N±.03	77.26E±.03	33			
MOS	I	21 01 48 29.1	39.6N	77.5E	33	5.5b		
NEIC	I	21 01 48 30.1	39.47N	77.00E	33	5.3b,5.8s		
BJI	I	21 01 48 30.8	40.07N	77.04E	28	5.5b,6.3s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c70; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.05±.11; $M_{\theta\theta}$−7.45±.17; $M_{\phi\phi}$7.50±.14; $M_{r\theta}$1.71±.30; $M_{r\phi}$1.11±.39; $M_{\theta\phi}$−0.04±.15. Principal Axes: T 7.66,Plg8°,Azm271°; N 0.17, Plg75°,Azm34°; P −7.83,Plg13°,Azm179°. Best double couple: $M_0$7.7×10^{17}Nm, NP1: ϕ_S315°,δ75°,λ−177°. NP2:ϕ_S224°,δ87°,λ−15°.
NEIC Mw5.9(HRV). Less reliable solution.
NEIC At least 12 people killed, 40 injured and 2,500 families homeless; about 14,000 homes destroyed, 17,000 additional homes damaged and 3,360 head of livestock killed in the Jiashi area. Felt at Aksu, Akto, Artux, Kashi and Wuqia.

(456) Montana

ISC	**I**	**21 04 03 16**±3.1	**47.8N**±.20	**114.3W**±.28	**3**±24		**8**	**0-3**
NEIC	I	21 04 03 15.7	47.83N	114.29W	4			**¶97i3134**

NEIC M_L2.6(BUT). Felt, After BUT.
NEIC Felt in the Big Arm-Rollins area.

(456) Montana

ISC	**I**	**21 04 12 42**±1.7	**47.8N**±.15	**114.3W**±.15	**5**		**6**	**0-2**
NEIC	I	21 04 12 41.7	47.84N	114.28W	5			**¶97i3135**

NEIC M_L2.2(BUT). Felt, After BUT.
NEIC Felt in the Big Arm-Rollins area.

(244) Taiwan

ISC	**I**	**21 16 17 01.1**±.91	**23.80N**±.056	**121.46E**±.086	**3**±9.9		**13**	**0-1**
TAP	I	21 16 17 00.3	23.82N	121.47E	14	3.2L		**¶97i3203**

TAP Felt I=III J

(243) Taiwan region

ISC	**I**	**21 19 45 35**±2.2	**24.52N**±.050	**122.1E**±.18	**6**		**16**	**0-2**
TAP	I	21 19 45 35.6	24.51N	121.92E	6	3.7L		**¶97i3219**

TAP Felt I=IV J, II Suao

(58) Near coast of Guerrero, Mexico

ISC	**I**	**21 21 19 58.3**±.82	**16.33N**±.050	**98.16W**±.041	**30**±5.3	**5.0b,5.0s**	**188**	**0-150**
MEX	I	21 21 19 58.0	16.4N	98.2W	18	4.8D		**¶97i3229**
BJI	I	21 21 19 58.9	16.40N	98.00W	33			
NEIC	I	21 21 19 58.9	16.41N	98.04W	33	5.1b,5.0s		
EIDC	I	21 21 20 01.9	16.5N	98.0W	43	4.7b,4.7s		
HRVD	I	21 21 20 02.1±.4	16.49N±.04	97.99W±.05	40±2.9			

NEIC Mw5.5(HRV)
NEIC Felt throughout Guerrero and Oaxaca. Also felt at Mexico City.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c45; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.06; $M_{\theta\theta}$−1.01±.07; $M_{\phi\phi}$−0.29±.11; $M_{r\theta}$0.64±.12; $M_{r\phi}$−1.45±.14; $M_{\theta\phi}$0.69±.07. Principal Axes: T 2.17,Plg60°,Azm82°; N −0.16, Plg17°,Azm320°; P −2.00,Plg24°,Azm222°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S281°,δ26°,λ49°. NP2:ϕ_S146°,δ71°,λ108°.

(35) Near coast of Northern California

ISC	**I**	**22 07 17 17.7**±.46	**40.28N**±.053	**124.27W**±.066	**24**	**4.3b,5.1s**	**83**	**1-150**
EIDC	I	22 07 17 15.4	40.2N	124.6W	0	4.2b,5.1s		**¶97i3289**
NEIC	I	22 07 17 16.6	40.27N	124.39W	24	4.7b,5.1s		
MOS	I	22 07 17 22.0	40.8N	124.2W	33	5.3b,5.1s		
BJI	I	22 07 17 22.6	40.47N	123.80W	22	4.7b,5.5s		
HRVD	I	22 07 17 25.8±.2	40.33N±.02	124.75W±.03	18±1.6			

NEIC Mw5.7(HRV), M_D5.6(GM). Damage, After GM−P.
NEIC Mw 5.6 (BRK). Slight damage at Petrolia and Scotia. Felt strongly in parts of southern Humboldt County and felt as far north as Trinidad. Mo=2.9×10^{17}Nm (BRK).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}0.88±.05; $M_{\theta\theta}$−1.67±.06; $M_{\phi\phi}$0.80±.08; $M_{r\theta}$0.16±.16; $M_{r\phi}$−1.57±.23; $M_{\theta\phi}$−3.55±.06. Principal Axes: T 3.95,Plg25°,Azm57°; N 0.37, Plg64°,Azm214°; P −4.32,Plg9°,Azm323°. Best double couple: $M_0$4.1×10^{17}Nm, NP1:ϕ_S97°, δ66°,λ168°. NP2:ϕ_S192°,δ79°,λ24°.

(244) Taiwan

ISC	**I**	**22 10 49 32**±1.0	**23.78N**±.073	**121.6E**±.14	**18**±13		**12**	**0-1**
TAP	I	22 10 49 32.6	23.85N	121.42E	17	3.1L		**¶97i3315**

TAP Felt I=III J

(366) Turkey

ISC	**I**	**22 17 57 23.0**±.27	**36.19N**±.016	**35.94E**±.019	**45**±3.0	**5.3b,5.5s**	**545**	**0-133**
MOS	I	22 17 57 17.9	36.1N	35.9E	10	5.9b,5.4s		**¶97i3360**
BJI	I	22 17 57 18.5	36.40N	36.02E	11	5.5b,5.7s		
NEIC	I	22 17 57 18.7	36.25N	35.95E	10	5.4b,5.4s		
ISK	I	22 17 57 19.6	36.14N	36.12E	10	5.1D		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	I	22 17 57 22.1	36.3N	35.9E	20	5.1b,5.3s		
HRVD	I	22 17 57 24.4±.2	36.01N±.03	35.77E±.04	15			
NEIC	Mw5.7(GS), M_L5.6(JER)							
NEIC	Mw 5.7 (HRV). At least five people injured and ten houses damaged at Antakya. Felt at Adana, Malatya and Mersin. Felt at Beirut and Tripoli, Lebanon. Also felt at Nicosia, Cyprus and in Syria.							
NEIC	Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}−0.40; $M_{\theta\theta}$−2.24; $M_{\phi\phi}$2.64; $M_{r\theta}$1.88; $M_{r\phi}$−2.76; $M_{\theta\phi}$1.31. Depth 15km; Principal axes: T 4.28,Plg30°,Azm92°; N 0.15,Plg40°, Azm333°; P −4.42,Plg36°,Azm207°. Best double couple: $M_0$4.4×10^{17}Nm; NP1:ϕ_S236°,δ40°, λ−6°. NP2:ϕ_S331°,δ86°,λ−130°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c49; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.21±.09; $M_{\theta\theta}$−2.12±.09; $M_{\phi\phi}$3.33±.09; $M_{r\theta}$−0.22±.33; $M_{r\phi}$−3.20±.33; $M_{\theta\phi}$1.74±.11. Principal Axes: T 5.35,Plg26°,Azm104°; N −2.05,Plg38°,Azm352°; P −3.30,Plg42°,Azm219°. Best double couple: $M_0$4.3×10^{17}Nm, NP1:ϕ_S243°,δ39°,λ−15°. NP2:ϕ_S345°,δ81°,λ−128°.							
	(243) Taiwan region							
ISC	**I**	**22 22 13 09**±1.3	**22.86N**±.052	**121.42E**±.088	**11**±9.4		**14**	**0-2**
TAP	I	22 22 13 09.0	22.87N	121.36E	17	3.7L		**¶97i3392**
TAP	Felt I=II J Chengkung							
	(128) Jujuy Province, Argentina							
ISC	**I**	**23 02 15 19.8**±.80	**22.05S**±.041	**65.69W**±.036	**247**±7.3	**6.2b**	**658**	**6-180**
MOS	I	23 02 15 19.6	21.9S	65.7W	244	6.9b		**¶97i3422**
EIDC	I	23 02 15 21.4	22.2S	65.9W	267	5.6b		
BJI	I	23 02 15 22.5	21.58S	65.62W	267			
NEIC	I	23 02 15 22.9	22.00S	65.72W	276	6.4b		
HRVD	I	23 02 15 31.9±.1	22.04S±.01	65.92W±.01	282±.3			
NEIC	Mw7.1(HRV), Me6.6(GS)							
NEIC	Radiated energy from the P−wave first−motion solution: 1.8±0.3×10^{14}Nm/17							
NEIC	Mw 7.0 (GS). Felt I=V MM at Antofagasta, Calama and Tocopilla; III MM at Arica, Chile. Felt in northern Jujuy Province, Argentina. Mo=1.6×10^{20}Nm (PPT).							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S170°,δ89°,λ100°. NP2:ϕ_S266°,δ10°,λ6°. Principal axes: T Plg45°,Azm90°; P Plg43°,Azm250°. Two events about 3.0 seconds apart. Depth from broadband displacement seismograms based on first event.							
NEIC	Moment tensor solution: s37, scale 10^{19}Nm; M_{rr}0.09; $M_{\theta\theta}$0.03; $M_{\phi\phi}$−0.12; $M_{r\theta}$0.31; $M_{r\phi}$−3.54; $M_{\theta\phi}$−0.29. Depth 280km; Principal axes: T 3.58,Plg45°,Azm80°; N −0.02,Plg5°, Azm175°; P −3.56,Plg44°,Azm270°. Best double couple: $M_0$3.6×10^{19}Nm; NP1:ϕ_S78°,δ5°, λ173°. NP2:ϕ_S175°,δ89°,λ85°.							
NEIC	Felt in Sao Paulo (after TRRB)							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c148; Mantle waves: s63,c152; Half duration: 9s0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.01±.02; $M_{\theta\theta}$0.03±.02; $M_{\phi\phi}$−0.02±.02; $M_{r\theta}$0.95±.02; $M_{r\phi}$−5.70±.02; $M_{\theta\phi}$−0.37±.02. Principal Axes: T 5.84,Plg45°,Azm77°; N −0.09,Plg4°,Azm171°; P −5.75,Plg45°,Azm264°. Best double couple: $M_0$5.8×10^{19}Nm, NP1:ϕ_S85°,δ4°,λ−175°. NP2:ϕ_S351°,δ90°,λ−86°.							
	(76) Off coast of Central America							
ISC	**I**	**23 10 24 55**±8.8	**12.9N**±.81	**89.8W**±.36	**72**±40	**3.5b**	**12**	**1-65**
EIDC	I	23 10 24 39.8	12.0N	88.9W	0	3.6b		**¶97i3486**
NEIC	I	23 10 24 54.5	12.89N	89.82W	71			
NEIC	M_D3.5(SSS). Poor solution.							
NEIC	Felt I=III MM at San Salvador, El Salvador.							
	(13) Kodiak Island region							
ISC	**I**	**23 22 48 40.9**±.95	**58.00N**±.041	**151.63W**±.049	**19**±7.2	**4.0b**	**121**	**1-151**
EIDC	I	23 22 48 38.5	58.1N	152.1W	0	3.9b,3.9L		**¶97i3561**
NEIC	I	23 22 48 40.7	58.07N	151.77W	0			
NEIC	M_L4.4(PMR), M_L4.3(AEIC). Felt I=III MM, After AEIC.							
NEIC	Felt I=III MM at Kodiak.							
	(377) Spain							
ISC	**I**	**24 01 26 15**±1.8	**38.21N**±.040	**6.42W**±.048	**9**±15		**40**	**1-5**
NEIC	I	24 01 26 15.0	38.21N	6.43W	10			**¶97i3577**
MDD	I	24 01 26 16.0	38.20N	6.45W	3	3.4		
LIS	I	24 01 26 16	38.23N	6.45W	4	3.1L		
NEIC	mbLg3.4(MDD)							
MDD	Felt I=II−III MSK, Fuente de Cantos							
	(244) Taiwan							
ISC	**I**	**24 02 23 51**±6.4	**24.43N**±.095	**121.9E**±.59	**0**±33		**7**	**0-1**
TAP	I	24 02 23 50.7	24.46N	121.90E	10	2.8L		**¶97i3583**
TAP	Felt I=III J							
	(73) El Salvador							
ISC	**I**	**24 07 55 22.8**±.98	**13.1N**±.11	**88.3W**±.17	**76**±11	**4.3b**	**29**	**1-150**
NEIC	I	24 07 55 21.9	13.11N	88.16W	66			**¶97i3616**
EIDC	I	24 07 55 24.2	13.2N	88.1W	68	4.0b		
NEIC	M_D3.6(SSS)							
NEIC	Felt I=II MM at San Salvador.							
	(39) Central California							
ISC	**I**	**24 17 42 00.0**±.54	**36.09N**±.041	**118.23W**±.047	**0**		**21**	**0-3**
NEIC	I	24 17 42 00.0	36.10N	118.23W	0			**¶97i3673**
NEIC	M_D3.2(PAS), M_D3.0(GM). Felt, After PAS.							
NEIC	ML 2.8 (GS)							
	(244) Taiwan							
ISC	**I**	**24 17 42 18**±1.9	**24.44N**±.075	**121.8E**±.26	**7**±17		**7**	**0-1**
TAP	I	24 17 42 17.6	24.46N	121.76E	6	2.6L		**¶97i3674**
TAP	Felt I=IV J							
	(43) Southern California							
ISC	**I**	**24 18 27 51.1**±.70	**34.24N**±.040	**117.43W**±.053	**7**±7.4		**19**	**0-2**
NEIC	I	24 18 27 51.8	34.22N	117.43W	13			**¶97i3677**
NEIC	M_L3.2(GS), M_D3.1(PAS). Felt, After PAS.							
	(297) Myanmar-China border region							
ISC	**I**	**25 02 38 53**±1.6	**22.03N**±.046	**101.18E**±.037	**18**±12	**4.4b,4.5s**	**87**	**3-150**
MOS	I	25 02 38 55.4	22.0N	101.2E	33	4.8b		**¶97i3723**
NEIC	I	25 02 38 55.5	22.07N	101.13E	33	4.5b		
BJI	I	25 02 38 56.2	22.20N	101.35E	26	5.2L,5.1b		
EIDC	I	25 02 38 58.7	22.0N	101.0E	44	4.2b,4.5L		
NEIC	Some houses damaged in Mengla County, China. Felt at Menghai and Yunjinghong, China.							
BJI	Ms5.0							
	(186) Vanuatu (New Hebrides)							
ISC	**I**	**25 11 33 08**±1.4	**18.0S**±.11	**167.5E**±.20	**33**	**3.9b**	**14**	**1-147**
NEIC	I	25 11 33 08.6	17.68S	167.36E	33	4.0b		**¶97i3802**
EIDC	I	25 11 33 22.7	18.3S	167.4E	150	3.6b		
NEIC	Poor solution.							
NEIC	Felt at Port-Vila.							
	(92) Leeward Islands							
ISC	**I**	**25 14 52 32.2**±.67	**17.69N**±.049	**61.63W**±.046	**52**±8.2	**4.7b,4.3s**	**111**	**1-165**
TRN	I	25 14 52 22.7	18.1N	61.5W	5	5.3D,5.2L		**¶97i3826**
EIDC	I	25 14 52 26.8	17.6N	61.7W	0	4.6b,4.2s		
MOS	I	25 14 52 31.2	17.8N	61.8W	44	5.0b		
NEIC	I	25 14 52 31.7	17.74N	61.61W	46	4.8b		
TRN	Felt on Antigua and St.Kitts							
	(244) Taiwan							
ISC	**I**	**25 20 09 16**±1.2	**24.48N**±.095	**121.7E**±.19	**10**		**4**	**0-1**
TAP	I	25 20 09 14.4	24.47N	121.68E	10	2.3L		**¶97i3847**
ISC	Poorly determined							
TAP	Felt I=III J							
	(456) Montana							
ISC	**I**	**26 09 59 32.7**±.94	**45.29N**±.047	**112.5W**±.12	**8**±11		**10**	**0-2**
NEIC	I	26 09 59 33.2	45.29N	112.54W	7			**¶97i3922**
NEIC	M_L3.6(BUT). Felt, After BUT.							
NEIC	Felt in the Dillon area. A magnitude 2.2 foreshock occurred 18.5 seconds earlier.							
	(391) Albania							
ISC	**I**	**26 10 04 37.6**±.46	**40.70N**±.042	**19.89E**±.050	**11**		**26**	**0-3**
THE	I	26 10 04 36.2	40.8N	19.7E	0	2.9L		**¶97i3924**
TIR	I	26 10 04 36.6	40.77N	19.88E	11	3.1L		
PDG	I	26 10 04 40.1	40.9N	19.8E	9	3.1L		
TIR	Felt weakly Dept. of Berati							
	(244) Taiwan							
ISC	**I**	**26 10 08 49**±2.4	**24.36N**±.052	**121.9E**±.22	**4**±11		**13**	**0-1**
TAP	I	26 10 08 49.3	24.37N	121.85E	12	3.4L		**¶97i3926**
TAP	Felt I=IV J							
	(135) Near coast of Central Chile							
ISC	**I**	**26 11 22 39**±1.4	**30.1S**±.10	**71.3W**±.15	**76**±17	**4.0b**	**23**	**3-124**
GUC	I	26 11 22 27.8	29.38S	71.93W	33	4.7D		**¶97i3933**
NEIC	I	26 11 22 34.6	29.81S	71.40W	33			
EIDC	I	26 11 22 37.3	30.2S	71.2W	45	4.1b,4.2L		
NEIC	Less reliable solution.							
NEIC	Felt I=IV MM at Combarbala, Coquimbo, La Serena, Ovalle, Punitaqui and Vicuna; III MM at Illapel.							
	(244) Taiwan							
ISC	**I**	**26 19 17 59.1**±.84	**24.00N**±.036	**121.81E**±.066	**32**±6.3	**4.0b**	**42**	**0-83**
NEIC	I	26 19 17 58.8	24.04N	121.88E	33	4.5b		**¶97i3985**
TAP	I	26 19 18 00.3	24.09N	121.63E	25	4.6L		
BJI	I	26 19 18 00.8	24.33N	121.35E	5	4.2L,4.3b		
EIDC	I	26 19 18 11.4	24.0N	121.6E	136	3.5b		
NEIC	Less reliable solution.							
TAP	Felt I=III J Hwalien, II Suao							
BJI	Ms3.6							
	(244) Taiwan							
ISC	**I**	**26 21 33 37.9**±.87	**22.73N**±.064	**120.21E**±.086	**32**±6.5		**19**	**0-3**
BJI	I	26 21 33 35.6	22.57N	120.21E	24	3.9L		**¶97i4003**
TAP	I	26 21 33 37.7	22.75N	120.24E	33	4.2L		
TAP	Felt I=III J, II Kaosiung, Tainan							
	(383) Northwestern Balkan region							
ISC	**I**	**27 00 46 17.4**±.64	**45.22N**±.018	**16.16E**±.025	**12**±4.9	**4.0b**	**194**	**1-88**
MOS	I	27 00 46 15.3	45.2N	16.5E	10			**¶97i4024**
EIDC	I	27 00 46 15.9	45.2N	16.6E	0	4.1L,4.0b		
PDG	I	27 00 46 16.2	45.3N	16.1E	9	4.1L		
STR	I	27 00 46 16.6	45.16N	16.42E	10	4.6L		
NEIC	I	27 00 46 16.8	45.22N	16.19E	10	4.2b		
SZGRF	I	27 00 46 20.1	45.20N	16.09E	10	4.3L		
LDG	I	27 00 46 21.2	45.0N	16.0E	2	3.9L		
MOS	Mb4−4.5							
NEIC	M_L4.3(VIE), M_L4.0(FUR)							
NEIC	ML 3.8 (ROM)							
ZAG	Felt in Sisak, Glina, Croatia; and in Bihac, Bosnia Herzegovina							
	(244) Taiwan							
ISC	**I**	**28 04 09 11.8**±.80	**24.44N**±.047	**121.8E**±.11	**24**±9.4		**21**	**0-3**
BJI	I	28 04 08 38.9	20.98N	120.66E	12	4.1L		**¶97i4165**
TAP	I	28 04 09 11.4	24.43N	121.80E	21	4.2L		
TAP	Felt I=IV J , II Suao, Ilan							
	(244) Taiwan							
ISC	**I**	**28 08 26 08**±1.5	**23.20N**±.056	**121.7E**±.11	**32**±13		**16**	**0-2**
TAP	I	28 08 26 08.2	23.24N	121.61E	31	3.7L		**¶97i4187**
TAP	Felt I=II J Chengkung							
	(244) Taiwan							
ISC	**I**	**28 21 38 22.5**±.95	**23.09N**±.059	**120.19E**±.088	**12**±9.3		**9**	**0-1**
TAP	I	28 21 38 21.6	23.01N	120.21E	17	3.0L		**¶97i4265**
TAP	Felt I=II J Tainan							
	(377) Spain							
ISC	**I**	**29 01 58 48.1**±.89	**42.91N**±.041	**7.17W**±.087	**31**±11		**34**	**1-11**
NEIC	I	29 01 58 46.0	42.92N	7.16W	10			**¶97i4283**
MDD	I	29 01 58 48.7	42.82N	7.25W	17	3.2		
LDG	I	29 01 58 52.6	43.1N	7.0W	2	3.4L		
NEIC	mbLg3.6(MDD)							
MDD	Felt I=II−III MSK, Sarria−Becerrea							
	(377) Spain							
ISC	**I**	**29 04 42 32.7**±.72	**37.33N**±.050	**4.46W**±.055	**32**±8.3		**20**	**0-4**
NEIC	I	29 04 42 31.9	37.35N	4.51W	20			**¶97i4306**
MDD	I	29 04 42 33.4	37.33N	4.47W	25	3.2		
NEIC	mbLg3.1(MDD), Single network solution.							
MDD	Felt I=II MSK, Rute							
	(243) Taiwan region							
ISC	**I**	**29 06 43 39.3**±.61	**22.81N**±.044	**121.11E**±.061	**11**±5.4	**3.6b**	**27**	**0-84**
EIDC	I	29 06 43 36.0	22.6N	121.7E	0	3.7b,4.1L		**¶97i4312**
BJI	I	29 06 43 38.4	22.51N	120.98E	27	4.0L,3.8s		
NEIC	I	29 06 43 38.9	22.65N	121.68E	33			
TAP	I	29 06 43 39.0	22.80N	121.10E	19	4.3L		
NEIC	Less reliable solution.							
TAP	Felt I=III J Taitung							
	(182) Fiji							
ISC	**I**	**29 07 02 30.3**±.46	**16.0S**±.10	**179.71E**±.088	**112**±4.8*	**4.5b**	**158**	**2-170**
NEIC	I	29 07 02 29.6	15.70S	179.58E	100	4.8b		**¶97i4316**
EIDC	I	29 07 02 30.9	16.2S	179.9E	122	4.1b		
MOS	I	29 07 02 33.4	15.8S	178.9E	100	5.1b		
BJI	I	29 07 02 33.8	15.79S	178.86E	100	4.9b		
NEIC	Less reliable solution.							
NEIC	Felt strongly at Labasa and on Cikobia.							
	(95) Windward Islands							
ISC	**I**	**29 17 54 46**±1.8	**14.84N**±.071	**60.5W**±.19	**51**	3.4b	**19**	**0-61**
TRN	I	29 17 54 45.2	14.8N	60.5W	51	3.9D,3.8L		**¶97i4382**
NEIC	I	29 17 54 46.2	14.83N	60.51W	50			
TRN	Felt I=II MM on Martinique							
	(297) Myanmar-China border region							
ISC	**I**	**30 09 59 01.8**±.23	**22.44N**±.035	**101.50E**±.038	**9**	**4.9b,4.8s**	**138**	**3-168**
BJI	I	30 09 59 01.2	22.43N	101.55E	9	4.9b,5.4s		**¶97i4464**
EIDC	I	30 09 59 01.2	22.4N	101.5E	0	4.7b,4.4s		
NEIC	I	30 09 59 01.8	22.50N	101.32E	10	5.0b,4.7s		
MOS	I	30 09 59 02.8	22.4N	101.5E	10	5.3b,4.6s		
NEIC	Felt strongly at Jiangcheng, Mengla, Puer and Yunjinghong, China.							
	(244) Taiwan							
ISC	**I**	**30 22 49 28.4**±.77	**23.19N**±.038	**120.33E**±.070	**10**±7.8		**17**	**0-2**
TAP	I	30 22 49 27.4	23.22N	120.33E	19	3.6L		**¶97i4556**
TAP	Felt I=III J							

(43) Southern California
ISC I 31 12 25 40.4±.72 **33.92N**±.047 **117.77W**±.038 **5**±6.1 **29 0-9**
NEIC I 31 12 25 41.0 33.91N 117.79W 9 **¶97i4624**
NEIC M_L3.5(GS), M_D3.5(PAS). Felt, After PAS.
NEIC Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.
(310) Nepal
ISC I 31 17 09 19.9±.99 **28.04N**±.055 **85.04E**±.048 **36**±11 **4.2b 52 6-153**
BJI I 31 17 09 15.1 27.77N 84.99E 20 3.6L,4.6b **¶97i4654**
MOS I 31 17 09 15.6 28.0N 85.2E 10 4.6b
NEIC I 31 17 09 15.9 28.00N 85.22E 10 4.4b
EIDC I 31 17 09 16.0 27.9N 85.2E 0 4.1b,4.8L
NEIC Felt at Kathmandu.
(283) Bali region
ISC I 31 18 06 44.5±.62 **8.67S**±.061 **114.85E**±.058 **70**±7.0 **4.5b 44 0-155**
BJI I 31 18 06 43.9 8.96S 114.68E 76 **¶97i4659**
NEIC I 31 18 06 44.5 8.60S 114.85E 76 4.8b
EIDC I 31 18 06 46.9 8.9S 114.8E 79 4.1b
NEIC Felt at Denpasar. Also felt I=II MM at Kahang-Kahang.
(310) Nepal
ISC I 31 20 02 14.2±.17 **27.99N**±.035 **85.21E**±.028 **7 5.2b,4.7s 242 5-156**
BJI I 31 20 02 14.9 28.05N 85.25E 7 4.6L,4.9b **¶97i4667**
MOS I 31 20 02 15.0 27.8N 85.3E 23 5.5b,4.8s
NEIC I 31 20 02 16.6 27.95N 85.13E 22 5.2b,4.8s
EIDC I 31 20 02 17.9 27.9N 85.2E 21 4.8b,4.3s
BJI Ms4.8
NEIC Some damage to buildings in the Dhunche area. Felt at Kathmandu.
(310) Nepal
ISC I 31 20 55 56±3.6 **27.92N**±.083 **85.05E**±.092 **24**±28 **3.9b 20 7-89**
NEIC I 31 20 55 53.1 27.90N 85.12E 10 3.9b **¶97i4679**
EIDC I 31 20 55 54.2 28.0N 85.2E 0 3.8b,4.9L
BJI I 31 20 55 55.9 27.94N 85.52E 6 4.3b
NEIC Less reliable solution.
NEIC Felt at Kathmandu.
(309) Nepal-India border region
ISC II 01 05 55 18±2.0 **27.9N**±.17 **84.9E**±.15 **52**±25 **4.0b 15 11-70**
NEIC II 01 05 55 12.6 27.90N 85.01E 10 **¶97ii0031**
EIDC II 01 05 55 12.7 27.5N 84.5E 0 4.1b,4.4L
NEIC Poor solution.
NEIC Felt at Kathmandu.
(244) Taiwan
ISC II 01 09 18 27±3.8 **24.33N**±.079 **121.9E**±.39 **8 7 0-1**
TAP II 01 09 18 25.6 24.34N 121.97E 8 3.1L **¶97ii0049**
TAP Felt I=II J
(383) Northwestern Balkan region
ISC II 01 12 07 38.9±.36 **42.01N**±.038 **21.13E**±.038 **10 35 0-4**
TIR II 01 12 07 36.2 42.12N 21.23E 5 2.8L **¶97ii0067**
SKO II 01 12 07 37.2 42.06N 21.26E 18
THE II 01 12 07 40.9 42.0N 21.2E 10 2.8L
PDG II 01 12 07 48.0 42.05N 21.21E 6 3.3L
SKO Felt I=IV at Radusa (Skopje region)
(383) Northwestern Balkan region
SKO II 01 12 10 24.4 42.06N 21.22E 16 1.5L ¶97ii0068
SKO Felt I=III MSK at Radusa (Skopje region)
(244) Taiwan
ISC II 01 13 57 38±1.7 **24.31N**±.055 **121.8E**±.24 **8** 3.3b **13 0-83**
TAP II 01 13 57 37.1 24.33N 121.76E 8 3.1L **¶97ii0078**
TAP Felt I=IV J
(544) Switzerland
ISC II 01 14 01 58.1±.33 **47.69N**±.020 **7.31E**±.032 **26**±4.3 **122 0-13**
NEIC II 01 14 01 57.3 47.63N 7.30E 10 **¶97ii0081**
EIDC II 01 14 01 57.6 47.8N 7.5E 0 3.5L
STR II 01 14 01 58.2 47.66N 7.42E 9 3.3L
ZUR II 01 14 01 58.4 47.69N 7.46E 10 3.4L
LEDBW II 01 14 01 58.7 47.67N 7.48E 10 3.6L
LDG II 01 14 01 59.4 47.7N 7.3E 15 3.7L
SZGRF II 01 14 02 01.4 47.79N 7.54E 10 3.5L
NEIC ML 3.5 (FUR), 3.4 (VIE).
LEDBW Felt I=IV MSK
(383) Northwestern Balkan region
ISC II 01 19 47 48±1.2 **42.06N**±.098 **21.19E**±.068 **5 9 0-2**
TIR II 01 19 47 46.3 42.09N 21.24E 5 2.6L **¶97ii0114**
SKO II 01 19 47 47.6 42.06N 21.23E 16
SKO Felt I=III−IV MSK at Radusa (Skopje region)
(383) Northwestern Balkan region
SKO II 01 20 34 20.0 42.06N 21.22E 16 ¶97ii0119
SKO Felt I=III MSK at Radusa (Skopje region)
(383) Northwestern Balkan region
ISC II 01 20 47 40.8±.42 **42.07N**±.038 **21.21E**±.045 **7 31 0-6**
TIR II 01 20 47 39.8 42.07N 21.22E 7 3.1L **¶97ii0120**
SKO II 01 20 47 40.3 42.06N 21.22E 16
THE II 01 20 47 43.6 42.0N 21.3E 0 2.8L
PDG II 01 20 47 44.2 42.1N 21.1E 7 3.3L
SKO Felt IV MSK at Radusa (Skopje region)
(244) Taiwan
ISC II 01 23 12 19.9±.83 **23.00N**±.046 **121.47E**±.075 **16**±9.5 **22 0-3**
TAP II 01 23 12 19.4 22.98N 121.43E 21 4.1L **¶97ii0140**
TAP Felt I=III J Chengkung
(45) California-Mexico border region
ISC II 02 00 19 16±1.0 **32.80N**±.061 **115.8W**±.10 **3**±8.4 **23 0-4**
NEIC II 02 00 19 15.4 32.62N 115.92W 13 **¶97ii0148**
ECX II 02 00 19 16.1 32.65N 115.88W 14 3.6D
NEIC M_D3.5(PAS). Felt, After PAS.
NEIC Felt in the El Centro area, California.
(244) Taiwan
ISC II 02 00 53 41.3±.78 **24.71N**±.049 **121.76E**±.083 **2**±13 **10 0-1**
TAP II 02 00 53 41.4 24.70N 121.75E 7 2.8L **¶97ii0151**
TAP Felt I=III J
(385) Straits of Gibraltar
ISC II 02 05 16 11.1±.69 **36.97N**±.057 **4.81W**±.042 **3**±8.6 **20 0-4**
NEIC II 02 05 16 11.5 36.94N 4.81W 10 **¶97ii0175**
MDD II 02 05 16 12.4 36.92N 4.80W 2 2.9
NEIC mbLg3.0(MDD). Single network solution.
MDD Felt I=II MSK, west Valle de Abdalajis
(383) Northwestern Balkan region
SKO II 02 07 10 33.3 42.03N 21.20E 14 ¶97ii0186
SKO Felt I=III MSK at Radusa (Skopje region)
(244) Taiwan
ISC II 02 17 45 45.9±.60 **24.69N**±.043 **121.74E**±.061 **5**±7.5 **17 0-2**
TAP II 02 17 45 45.2 24.69N 121.72E 9 3.6L **¶97ii0254**
TAP Felt I=III J Neicheng, Ilan, Suao
(456) Montana
ISC II 02 20 14 37±1.6 **48.0N**±.11 **114.5W**±.36 **5 12 2-15**
NEIC II 02 20 14 40.9 47.82N 114.22W 5 **¶97ii0271**
NEIC M_D3.6(BUT). Felt, After BUT.
NEIC Felt at Rollins, Dayton and along the shore of Big Arm Bay, Flathead Lake. Also felt along the east shore of Flathead Lake about 5 km north of Yellow Bay.
(391) Albania
ISC II 02 21 57 55.1±.48 **40.37N**±.035 **19.92E**±.057 **10 25 0-4**
THE II 02 21 57 53.7 40.4N 19.6E 10 2.7L **¶97ii0286**
TIR II 02 21 57 54.0 40.39N 20.10E 5 2.7L
ATH II 02 21 57 56.4 40.39N 19.88E 5 3.3D
TIR Felt I=III MSK at Department of Tepelena
(309) Nepal-India border region
ISC II 03 00 43 09±1.6 **27.94N**±.076 **84.90E**±.087 **42**±17 **3.8b 20 7-89**
BJI II 03 00 43 04.9 27.92N 84.98E 18 4.2b **¶97ii0301**
NEIC II 03 00 43 05.6 27.98N 85.05E 18 3.9b
EIDC II 03 00 43 08.4 28.0N 84.9E 18 3.7b,4.3L
NEIC Less reliable solution.
NEIC Felt strongly in the epicentral area and at Kathmandu.
(456) Montana
ISC II 03 02 59 55±5.7 **47.5N**±.30 **113.9W**±.49 **1 6 2-3**
NEIC II 03 02 59 50.4 47.78N 114.22W 1 **¶97ii0310**
NEIC M_D2.9(BUT). Felt, After BUT.
NEIC Felt at Rollins.
(244) Taiwan
TAP II 03 04 39 05.4 24.46N 121.73E 5 2.0L ¶97ii0320
TAP Felt I=IV J
(613) Hawaiian Islands
ISC II 03 04 55 39±2.9 **20.1N**±.17 **155.8W**±.37 **47**±26 **6 0-3**
NEIC II 03 04 55 42.3 20.13N 155.77W 23 **¶97ii0322**
NEIC M_D3.5(HVO). Felt, After HVO.
NEIC Felt at Captain Cook, Hawaiian Ocean View Estates, Hawi and Kona Palisades. Also felt in the Hamakua District.
(43) Southern California
ISC II 03 05 16 07.8±.45 **34.02N**±.043 **116.41W**±.045 **1 26 0-4**
NEIC II 03 05 16 07.9 34.05N 116.40W 1 **¶97ii0325**
NEIC M_D3.0(PAS). Felt, After PAS.
NEIC Felt in the Yucca Valley area.
(613) Hawaiian Islands
NEIC II 03 09 56 19.7 19.75N 156.14W 12 0-1
NEIC M_D3.7(HVO). Felt, After HVO. **¶97ii0359**
NEIC Felt at Kona Palisades.
(43) Southern California
ISC II 03 11 04 13.6±.66 **34.27N**±.038 **118.60W**±.053 **6**±6.8 **29 0-7**
NEIC II 03 11 04 14.3 34.30N 118.57W 2 **¶97ii0368**
NEIC M_D3.2(PAS). Felt, After PAS.
NEIC Felt in the San Fernando Valley.
(244) Taiwan
ISC II 03 12 39 39.4±.93 **23.48N**±.084 **120.45E**±.065 **2 6 0-1**
TAP II 03 12 39 38.0 23.41N 120.46E 2 2.9L **¶97ii0376**
TAP Felt I=II J Chiayi
(243) Taiwan region
ISC II 03 16 09 54±1.2 **22.1N**±.13 **121.52E**±.097 **9**±13 **10 0-3**
TAP II 03 16 09 53.5 22.04N 121.50E 11 3.5L **¶97ii0401**
TAP Felt I=III J Lanyu
(95) Windward Islands
ISC II 03 17 46 09.9±.97 **11.41N**±.094 **61.34W**±.087 **35 8 1-6**
TRN II 03 17 46 08.7 11.4N 61.3W 35 3.4D **¶97ii0407**
NEIC II 03 17 46 09.7 11.42N 61.35W 33
NEIC Single network solution.
NEIC Felt I=II MM on Trinidad.
(377) Spain
ISC II 03 22 09 55.4±.86 **42.92N**±.027 **7.24W**±.057 **31**±9.8 3.4b **83 1-68**
NEIC II 03 22 09 55.4 42.92N 7.19W 23 **¶97ii0430**
EIDC II 03 22 09 55.7 42.9N 6.9W 0 3.9L,3.6b
MDD II 03 22 09 56.6 42.83N 7.27W 8 3.6
LIS II 03 22 09 57 42.78N 7.25W 9 4.0L
LDG II 03 22 09 59.6 43.1N 7.1W 2 3.9L
STR II 03 22 10 03.0 43.39N 6.72W 10 4.1L
NEIC mblg 3.6 (MDD)
MDD Felt I=IV−V MSK, Sarria−Becerrea
(244) Taiwan
TAP II 04 01 19 45.5 24.38N 121.76E 10 2.1L ¶97ii0441
TAP Felt I=II J
(178) Kermadec Islands
ISC II 04 04 00 33.8±.27 **30.35S**±.047 **178.08W**±.056 **100 5.0b 136 1-170**
BJI II 04 04 00 40.3 29.87S 178.29W 153 4.8b **¶97ii0461**
NEIC II 04 04 00 40.4 29.94S 178.31W 153 5.0b
MOS II 04 04 00 41.7 29.0S 178.6W 150 5.0b
EIDC II 04 04 00 45.6 29.9S 178.3W 188 4.4b
WEL Felt I=IV MM Raoul Island
(159) North Island, New Zealand
ISC II 04 05 13 54±1.0 **40.04S**±.063 **176.9E**±.14 **74**±21 **23 1-5**
WEL II 04 05 13 56.7 39.99S 176.86E 45 4.2L **¶97ii0466**
WEL Felt Kairakau Beach and Waipukurau.
(244) Taiwan
ISC II 04 09 43 12±1.8 **24.21N**±.053 **122.0E**±.17 **11 14 0-2**
TAP II 04 09 43 12.2 24.28N 121.80E 11 3.2L **¶97ii0495**
TAP Felt I=III J
(341) Iran-USSR border region
ISC II 04 09 53 56.2±.17 **37.66N**±.036 **57.32E**±.023 **10 5.2b,5.4s 426 2-149**
NEIC II 04 09 53 55.7 37.56N 57.30E 10 5.3b,5.5s **¶97ii0499**
EIDC II 04 09 53 56.1 37.7N 57.3E 0 5.0b,4.9s
BJI II 04 09 53 56.2 37.92N 57.34E 8 5.5b,5.6s
MOS II 04 09 53 56.7 37.8N 57.3E 10 5.9b,5.2s
HRVD II 04 09 54 00.5±.3 37.99N±.04 57.54E±.04 15
NEIC Mw5.5(GS), Mw5.5(HRV)
NEIC Felt at Bojnurd and in many parts of northeastern Iran.
NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}−0.01; $M_{\theta\theta}$−0.80; $M_{\phi\phi}$0.81; $M_{r\theta}$−0.17; $M_{r\phi}$0.57; $M_{\theta\phi}$1.61. Depth 10km; Principal axes: T 1.89,Plg12°,Azm300°; N 0.01,Plg72°, Azm170°; P −1.91,Plg13°,Azm33°. Best double couple: $M_0$1.9×10^{17}Nm; NP1:ϕ_S77°,δ72°, λ−1°. NP2:ϕ_S167°,δ89°,λ−162°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c43; Half duration: 1§3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.04; $M_{\theta\theta}$−0.92±.06; $M_{\phi\phi}$0.61±.04; $M_{r\theta}$0.14±.20; $M_{r\phi}$0.79±.11; $M_{\theta\phi}$1.29±.05. Principal Axes: T 1.75,Plg28°,Azm297°; N −0.05, Plg61°,Azm137°; P −1.70,Plg9°,Azm32°. Best double couple: $M_0$1.7×10^{17}Nm, NP1:ϕ_S78°, δ64°,λ15°. NP2:ϕ_S342°,δ77°,λ153°.
(341) Iran-USSR border region
ISC II 04 10 37 51.2±.84 **37.74N**±.030 **57.29E**±.023 **36**±7.9 **5.8b,6.6s 609 2-149**
EIDC II 04 10 37 46.0 37.5N 57.3E 0 5.3b,6.6s **¶97ii0507**
BJI II 04 10 37 46.6 37.69N 57.20E 10 6.0b,7.2s
NEIC II 04 10 37 47.1 37.66N 57.29E 10 5.9b,6.8s

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
MOS	II 04 10 37 47.9	37.7N	57.2E	10	6.4b,6.6s		
HRVD	II 04 10 37 52.5±.1	37.82N±.01	57.50E±.01	15			
NEIC	Me7.1(GS), Mw6.5(GS)						
NEIC	Radiated energy from the USGS moment tensor solution: 1.1±0.4×10^{15}Nm/13						
NEIC	Moment tensor solution: s23, scale 10^{18}Nm; M_{rr}0.91; $M_{\theta\theta}$−6.41; $M_{\phi\phi}$5.46; $M_{r\theta}$−0.23; $M_{r\phi}$−0.33; $M_{\theta\phi}$1.64. Depth 11km; Principal axes: T 5.71,Plg4°,Azm98°; N 0.92,Plg86°, Azm259°; P −6.63,Plg1°,Azm8°. Best double couple: $M_0$6.2×10^{18}Nm; NP1:ϕ_S143°,δ86°, λ178°. NP2:ϕ_S233°,δ88°,λ4°.						
NEIC	Mw 6.5 (HRV), 6.4 (OBN). About 100 people killed, nearly 2,000 injured, about 5,500 houses destroyed and 11,000 houses damaged in the Bojnurd-Shirvan area, Iran. Damage estimated at more than 30 million U.S. dollars. Felt in many parts of northeastern Iran, including Esfarayen, Mashhad, Neyshabur, Quchan and Sabzevar. Depth from synthetics of broadband displacement seismograms.						
MOS	Focal mechanism: C30,D7; NP1:ϕ_S245°,δ75,λ6°. NP1:ϕ_S154°,δ85°,λ164°. Principal axes: T Plg15°,Azm108°; N Plg74°, Azm315°; P Plg7°, Azm200° M_0 5.2×10^{18} Nm.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c135; Mantle waves: s53,c106; Half duration: 4s5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.18±.03; $M_{\theta\theta}$−5.87±.03; $M_{\phi\phi}$6.05±.03; $M_{r\theta}$1.49±.16; $M_{r\phi}$−0.29±.16; $M_{\theta\phi}$2.71±.03. Principal Axes: T 6.64,Plg0°,Azm282°; N 0.17,Plg77°,Azm14°; P −6.81,Plg13°,Azm192°. Best double couple: $M_0$6.7×10^{18}Nm, NP1:ϕ_S328°,δ81°,λ−171°. NP2:ϕ_S236°,δ81°,λ−9°.						
CSEM	Mw6.8. M_0=1.7±0.9×10^{19}Nm. Fault plane solution. NP1:ϕ_S243°,δ69°,λ9°. NP2:ϕ_S150°,δ82°, λ159°. Principal axes: T Plg21°,Azm105°; N Plg67°,Azm309°; P Plg9°,Azm198°						
	(244) Taiwan						
ISC	**II 04 11 14 53**±1.1	**24.74N**±.051	**121.8E**±.12	**10**		**12**	**0-2**
TAP	II 04 11 14 51.9	24.69N	121.72E	10	3.1L		**¶97ii0510**
TAP	Felt I=III J						
	(383) Northwestern Balkan region						
ISC	**II 04 11 34 06.1**±.91	**45.28N**±.071	**14.60E**±.077	**10**		**14**	**0-3**
ROM	II 04 11 34 01.7	44.9N	14.9E	10	2.6D		**¶97ii0515**
LJU	II 04 11 34 04.7	45.2N	14.6E	7			
ZAG	Felt at Crikvenica, Novi and Omisalji (after PTJ)						
	(341) Iran-USSR border region						
ISC	**II 04 12 34 55.8**±.53	**37.61N**±.086	**57.31E**±.067	**10**	**4.0b,**4.8s	**26**	**9-80**
MOS	II 04 12 34 55.2	37.5N	57.0E	10	4.7b		**¶97ii0521**
NEIC	II 04 12 34 56.7	37.78N	57.27E	10	4.9b		
EIDC	II 04 12 34 58.7	38.2N	57.1E	0	3.9b,4.4L		
BJI	II 04 12 34 59.4	37.79N	57.70E	5	4.8b,4.9s		
NEIC	Less reliable solution.						
NEIC	Felt at Bojnurd, Iran.						
	(377) Spain						
ISC	**II 04 13 45 06**±1.0	**42.95N**±.029	**7.22W**±.049	**15**±10	**3.8b**	**88**	**0-69**
EIDC	II 04 13 45 06.6	43.0N	6.9W	0	3.8b,4.1L		**¶97ii0529**
NEIC	II 04 13 45 07.5	42.93N	7.20W	22			
LIS	II 04 13 45 09	42.82N	7.28W	14	4.1L		
MDD	II 04 13 45 09.3	42.86N	7.30W	17	3.9		
LDG	II 04 13 45 11.0	43.1N	7.1W	2	4.2L		
STR	II 04 13 45 32.6	43.66N	6.06W	10	3.8L		
NEIC	mbLg4.2(MDD)						
MDD	Felt I=IV−V MSK, Sarria−Becerrea						
	(341) Iran-USSR border region						
ISC	**II 04 14 46 56.4**±.60	**38.1N**±.11	**57.96E**±.080	**10**	**4.0b**	**29**	**9-94**
EIDC	II 04 14 46 56.6	38.2N	57.9E	0	4.1b,4.7L		**¶97ii0549**
NEIC	II 04 14 46 56.8	38.25N	57.96E	10	4.2b		
MOS	II 04 14 46 58.1	38.4N	57.9E	10	4.9b		
BJI	II 04 14 47 00.6	37.35N	58.65E	5	4.5b,4.2s		
NEIC	Less reliable solution.						
NEIC	Felt at Bojnurd, Iran.						
	(538) France						
ISC	**II 04 15 01 40.5**±.49	**43.09N**±.028	**0.28E**±.027	**10**±4.6		**76**	**0-8**
NEIC	II 04 15 01 40.3	43.09N	0.27E	10			**¶97ii0552**
FBR	II 04 15 01 41.6	43.00N	0.24E		3.4D		
STR	II 04 15 01 41.7	42.96N	0.22E	7	3.6L		
LDG	II 04 15 01 41.8	43.0N	0.2E	2	3.9L		
MDD	II 04 15 01 42.0	43.04N	0.23E	6	3.7		
NEIC	mbLg3.8(MDD)						
MDD	Felt I=IV MSK, south Bagneres Bigorre, France						
	(341) Iran-USSR border region						
ISC	**II 04 21 04 09.9**±.42	**37.91N**±.070	**57.16E**±.055	**10**	**4.0b,**4.1s	**55**	**1-80**
EIDC	II 04 21 04 09.3	37.8N	57.1E	0	3.9b,4.6L		**¶97ii0596**
NEIC	II 04 21 04 09.5	37.86N	57.12E	10	4.2b		
MOS	II 04 21 04 09.6	37.8N	57.1E	10	4.7b		
BJI	II 04 21 04 11.9	38.14N	57.61E	5	4.6b,4.6s		
NEIC	Less reliable solution.						
NEIC	Felt at Bojnurd, Iran.						
	(533) United Kingdom						
ISC	**II 04 22 12 55.7**±.91	**56.62N**±.063	**4.6W**±.14	**13**±7.6		**13**	**0-2**
BGS	II 04 22 12 57.1	56.61N	4.57W	7	2.7L		**¶97ii0599**
BGS	Felt I=III−IV MSK,Appin, Bridge of Orchy and on Rannoch Moor (after EBL)						
	(36) Northern California						
ISC	**II 04 23 45 45.4**±.96	**38.35N**±.046	**122.6W**±.12	**10**±7.7		**20**	**0-5**
NEIC	II 04 23 45 45.2	38.36N	122.65W	6			**¶97ii0608**
NEIC	Mw3.6(BRK), M_D3.4(GM). Felt, After GM−P.						
NEIC	ML 3.4 (BRK), 3.4 (GS). Felt at Cotati, Petaluma, Rohnert Park, San Francisco, Santa Rosa and Sebastopol. Mo=3.3×10^{14}Nm (BRK).						
	(36) Northern California						
ISC	**II 05 00 25 41.0**±.72	**38.39N**±.043	**122.6W**±.11	**17**±9.3		**25**	**0-25**
NEIC	II 05 00 25 41.0	38.36N	122.65W	7			**¶97ii0612**
NEIC	M_L3.9(BRK), Mw3.7(BRK). Felt, After GM−P.						
NEIC	MD 3.7 (GM). ML 3.8 (GS). Felt at Cotati, Oakland, Petaluma, Rohnert Park, San Francisco, Santa Rosa and Sebastopol. Mo=4.7×10^{14}Nm (BRK).						
	(244) Taiwan						
ISC	**II 05 01 49 20**±1.3	**24.42N**±.086	**121.8E**±.21	**11**±13		**6**	**0-1**
TAP	II 05 01 49 18.8	24.44N	121.76E	22	2.5L		**¶97ii0626**
TAP	Felt I=II J Lanyu						
	(538) France						
ISC	**II 05 06 56 36.3**±.39	**43.13N**±.035	**0.29E**±.036	**2**		**29**	**0-5**
NEIC	II 05 06 56 37.2	42.95N	0.26E	5			**¶97ii0650**
LDG	II 05 06 56 37.9	43.0N	0.2E	2	2.9L		
MDD	II 05 06 56 38.5	42.99N	0.23E	2	2.8		
NEIC	mbLg2.9(MDD), M_L2.6(STR)						
MDD	Felt I=II−III MSK, south Bagneres Bigorre, France						
	(341) Iran-USSR border region						
ISC	**II 05 07 53 45.9**±.18	**37.57N**±.038	**57.52E**±.025	**10**	**5.0b,4.9s**	**288**	**2-140**
EIDC	II 05 07 53 44.7	37.5N	57.4E	0	4.8b,4.8s		**¶97ii0652**
BJI	II 05 07 53 45.4	37.83N	57.46E	6	5.2b,5.3s		
NEIC	II 05 07 53 45.6	37.63N	57.59E	10	5.2b,5.0s		
MOS	II 05 07 53 45.7	37.6N	57.5E	10	5.4b,5.1s		
HRVD	II 05 07 53 48.4±.6	37.84N±.06	57.58E±.06	15			
NEIC	Mw5.2(HRV)						
NEIC	Felt at Bojnurd, Iran.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c31; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.42±.34; $M_{\theta\theta}$1.12±.50; $M_{\phi\phi}$−2.54±.31; $M_{r\theta}$−1.55±1.36; $M_{r\phi}$0.97±1.20; $M_{\theta\phi}$7.37±.32. Principal Axes: T 6.96,Plg7°,Azm143°; N 1.64, Plg78°,Azm267°; P −8.60,Plg10°,Azm52°. Best double couple: $M_0$7.8×10^{16}Nm, NP1: ϕ_S187°,δ78°,λ−178°. NP2:ϕ_S97°,δ88°,λ−12°.						
	(162) South Island, New Zealand						
ISC	**II 05 20 25 26**±1.7	**44.50S**±.077	**168.8E**±.13	**15**±20		**11**	**1-4**
WEL	II 05 20 25 26.7	44.50S	168.80E	12	3.9L		**¶97ii0745**
WEL	Felt I=IV MM Mt Aspiring Station						
	(377) Spain						
ISC	**II 08 01 58 11**±1.4	**42.82N**±.083	**7.2W**±.17	**4**±18		**8**	**0-2**
MDD	II 08 01 58 12.0	42.83N	7.25W	4	3.3		**¶97ii1072**
LIS	II 08 01 58 12	42.83N	7.20W		2.5L		
MDD	Felt I=II−III MSK, Sarria−Becerrea						
	(243) Taiwan region						
ISC	**II 08 05 31 27**±1.0	**22.10N**±.083	**121.45E**±.074	**5**		**9**	**0-3**
TAP	II 08 05 31 26.0	21.99N	121.39E	5	3.6L		**¶97ii1100**
TAP	Felt I=II J Lanyu						
	(243) Taiwan region						
ISC	**II 08 05 39 11**±2.3	**22.0N**±.18	**121.4E**±.10	**10**		**7**	**0-3**
TAP	II 08 05 39 09.0	21.84N	121.53E	10	3.3L		**¶97ii1101**
TAP	Felt I=II J Lanyu						
	(721) Finland						
ISC	**II 08 07 26 34**±1.2	**64.69N**±.096	**24.9E**±.34	**0**		**5**	**3-7**
EIDC	II 08 07 26 35.1	64.6N	25.3E	0	2.6L		**¶97ii1110**
HEL	II 08 07 26 38	64.60N	25.36E		2.0L		
HEL	$MD_{2.3}$						
	(2) Southern Alaska						
ISC	**II 09 02 11 28.4**±.17	**61.84N**±.021	**151.68W**±.045	**101**±2.3	**4.4b**	**188**	**0-147**
BJI	II 09 02 11 26.2	61.81N	151.61W	99	4.8b		**¶97ii1240**
MOS	II 09 02 11 28.4	61.9N	151.7W	94	4.5b		
EIDC	II 09 02 11 29.7	62.0N	151.7W	96	4.1b		
NEIC	II 09 02 11 30.7	61.76N	151.65W	91	4.4b		
NEIC	After AEIC.						
NEIC	Felt at Anchorage, Skwentna, Talkeetna and Willow.						
	(378) Pyrenees						
ISC	**II 09 06 12 04.9**±.84	**43.09N**±.071	**0.04W**±.071	**2**		**8**	**0-2**
LDG	II 09 06 12 05.7	43.0N	0.1W	2	1.8L		**¶97ii1269**
MDD	II 09 06 12 06.1	43.07N	0.08W		2.4		
PIST	Felt I=II MSK in the Bigorre area						
	(243) Taiwan region						
ISC	**II 09 07 16 23**±1.3	**21.64N**±.059	**121.45E**±.080	**28**±9.0	**3.9b**	**37**	**0-85**
NEIC	II 09 07 16 23.3	21.57N	121.08E	33	3.9b		**¶97ii1277**
BJI	II 09 07 16 24.3	21.66N	121.72E	33			
TAP	II 09 07 16 26.5	22.01N	121.38E	20	4.3L		
EIDC	II 09 07 16 28.0	21.6N	121.5E	54	3.6b,3.9L		
NEIC	Less reliable solution.						
TAP	Felt I=II J Lanyu						
	(218) Near east coast of Kamchatka						
ISC	**II 09 18 57 36**±1.6	**55.24N**±.027	**161.85E**±.039	**17**±11	**5.7b,5.5s**	**622**	**1-164**
BJI	II 09 18 57 36.0	55.15N	161.86E	31	5.5b,5.7s		**¶97ii1345**
NEIC	II 09 18 57 37.8	55.24N	161.94E	33	5.9b,5.3s		
KRSC	II 09 18 57 40.4	55.09N	162.29E	40	5.3b		
MOS	II 09 18 57 41.1	55.1N	162.0E	65	6.3b,5.6s		
EIDC	II 09 18 57 42.0	55.3N	161.8E	59	5.2b		
HRVD	II 09 18 57 42.8±.2	54.85N±.02	162.86E±.02	43±1.1			
NEIC	Mw5.9(HRV), Me5.4(GS						
NEIC	Mw 5.7 (GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 2.5±0.9×10^{12}Nm/9						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ60°,λ60°. NP2:ϕ_S304°,δ41°,λ131°. Principal axes: T Plg62°,Azm296°; P Plg10°,Azm186°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s29, scale 10^{17}Nm; M_{rr}3.52; $M_{\theta\theta}$−0.71; $M_{\phi\phi}$−2.81; $M_{r\theta}$0.86; $M_{r\phi}$1.70; $M_{\theta\phi}$−1.43. Depth 32km; Principal axes: T 4.00,Plg76°,Azm297°; N 0.01,Plg0°, Azm207°; P −4.01,Plg14°,Azm117°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S207°,δ31°, λ90°. NP2:ϕ_S27°,δ59°,λ90°.						
KRSC	Felt I=IV MSK Kronoki, I=III Cape Shipunskii, Krutoberegovo, I=II−III Petropavlovsk, Kluchi						
MOS	Felt I=II MSK at Petropavlovsk−Kamchatskiy, Klyuchi.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c89; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}5.47±.07; $M_{\theta\theta}$−0.35±.11; $M_{\phi\phi}$−5.12±.09; $M_{r\theta}$2.43±.15; $M_{r\phi}$1.96±.17; $M_{\theta\phi}$−4.06±.11. Principal Axes: T 6.37,Plg72°,Azm350°; N 1.70, Plg14°,Azm214°; P −8.07,Plg12°,Azm121°. Best double couple: $M_0$7.2×10^{17}Nm, NP1: ϕ_S194°,δ35°,λ66°. NP2:ϕ_S43°,δ59°,λ106°.						
	(244) Taiwan						
ISC	**II 09 21 42 21.9**±.54	**23.51N**±.038	**121.68E**±.077	**53**±5.8	**3.9b**	**39**	**0-84**
TAP	II 09 21 42 21.9	23.51N	121.70E	31	4.7L		**¶97ii1369**
BJI	II 09 21 42 24.2	23.27N	121.20E	71			
NEIC	II 09 21 42 27.0	23.48N	121.66E	100	3.8b		
EIDC	II 09 21 42 30.2	23.5N	121.8E	119	3.6b		
TAP	Felt I=II J Chengkung						
NEIC	Less reliable solution.						
	(367) Turkey-USSR border region						
ISC	**II 09 21 49 09.8**±.83	**41.46N**±.033	**43.95E**±.028	**7**±5.4	**4.5b,4.1s**	**175**	**1-75**
EIDC	II 09 21 49 09.6	41.3N	43.9E	0	4.3b,4.4L		**¶97ii1370**
MOS	II 09 21 49 09.9	41.4N	44.0E	10	4.8b,3.9s		
BJI	II 09 21 49 12.5	41.25N	43.84E	32	4.9b,4.8s		
NEIC	II 09 21 49 13.1	41.41N	43.89E	33	4.5b,3.6s		
NEIC	Felt at Tbilisi, Georgia. Also felt at Yerevan, Armenia.						
	(29) Washington State						
ISC	**II 10 04 26 57.2**±.46	**47.55N**±.025	**122.30W**±.040	**14**±4.5	**3.6b**	**51**	**0-64**
NEIC	II 10 04 26 57.6	47.55N	122.30W	0			**¶97ii1409**
EIDC	II 10 04 27 15.9	49.0N	121.7W	0	3.5b,2.8L		
NEIC	M_D3.5(SEA). Felt, After SEA.						
NEIC	Felt in the Seattle area.						
	(662) Sakhalin						
ISC	**II 10 08 04 27**±1.2	**52.72N**±.066	**142.7E**±.21	**10**		**6**	**1-8**
SKHL	II 10 08 04 26.1	52.75N±.05	142.71E±.09	10±2			**¶97ii1436**
SKHL	K8.5 Felt I=II MSK at Okha						
	(376) Portugal						
ISC	**II 10 15 12 56**±1.7	**39.21N**±.052	**9.1W**±.22	**14**±18		**18**	**0-4**
MDD	II 10 15 12 56.8	39.18N	9.08W	5	3.1		**¶97ii1477**
LIS	II 10 15 12 57	39.18N	9.07W	3	2.7L		
LIS	Felt I=IV MM Vilar, south east Cadaval, III−IV Pragança, Quartel da Força Aérea de Montejunto, Palhais and Cadaval						
	(244) Taiwan						
ISC	**II 10 16 50 08.5**±.46	**24.15N**±.034	**121.77E**±.057	**49**±4.5	**4.2b**	**65**	**0-83**
TAP	II 10 16 50 08.7	24.13N	121.76E	20	4.9L		**¶97ii1491**
BJI	II 10 16 50 11.5	24.40N	121.54E	65	4.6L,4.5b		
NEIC	II 10 16 50 13.4	24.13N	121.85E	96	4.6b		

EIDC II 10 16 50 15.3 24.1N 121.8E 97 3.7b
MOS II 10 16 50 17.3 24.1N 121.7E 136 4.9b
TAP Felt I=III J, I=II J Chiawan, Hwalien, Suao, Hsinchu
BJI Ms4.3

(244) Taiwan

ISC II 10 18 33 12.2±.98 **23.51N**±.075 **120.27E**±.068 **6**±10 **11 0-2**
TAP II 10 18 33 11.8 23.46N 120.29E 8 3.2L ¶97ii1498
TAP Felt I=II J Chiayi

(224) Hokkaido region

ISC II 10 22 57 13.6±.27 **42.57N**±.019 **144.53E**±.034 **70**±2.5 **5.1b 428 0-151**
SKHL II 10 22 57 13.0 42.6N±.11 144.6E±.22 95±1 ¶97ii1544
JMA II 10 22 57 13.9±.2 42.64N±.01 144.58E±.02 69±3 4.9
BJI II 10 22 57 16.2 42.92N 144.41E 95 5.0b
NEIC II 10 22 57 17.5 42.75N 144.43E 100 5.2b
MOS II 10 22 57 18.0 43.0N 144.4E 94 5.5b
EIDC II 10 22 57 18.3 42.8N 144.4E 94 4.9b,4.2s
SKHL K11. Felt I=II–III MSK at Yuzhno–Kurilsk and Kunashir Island
MOS Felt I=II–III MSK at Yuzno–Kurilsk.

(533) United Kingdom

ISC II 10 23 09 13.7±.55 **53.08N**±.045 **1.6W**±.12 **54**±11 **33 0-9**
BGS II 10 23 09 15.5 53.19N 1.53W 13 2.9L ¶97ii1546
LDG II 10 23 09 16.9 53.0N 1.4W 15 3.0L
BGS Felt I=III–IV MSK, Chesterfield, Ashgate, South Wingfield and Matlock(after HAE)

(7) Andreanof Islands

ISC II 10 23 24 14.0±.97 **51.89N**±.083 **176.15W**±.074 **76**±8.6 **4.5b 70 0-152**
NEIC II 10 23 24 10.8 51.92N 176.04W 48 4.7b,4.5s ¶97ii1552
EIDC II 10 23 24 12.5 51.9N 176.0W 50 4.2b,4.1s
BJI II 10 23 24 46.8 51.90N 176.00E 48 5.2b
NEIC $M_{L4.8}$(PMR)
NEIC Felt I=IV MM on Adak.

(40) California-Nevada border region

ISC II 10 23 26 29.7±.26 **37.63N**±.026 **118.84W**±.030 **10 60 0-15**
NEIC II 10 23 26 28.8 37.56N 118.86W 10 ¶97ii1553
EIDC II 10 23 26 30.6 37.6N 118.7W 0 4.1L
NEIC M_L4.6(BRK), Mw4.2(BRK). Felt, After GM–P.
NEIC MD 4.2 (GM). Felt at Bishop and Mammoth Lakes, California. Mo=2.1×10^{15}Nm (BRK).

(246) South-western Ryūkyū Islands

ISC II 11 15 17 06.7±.66 **24.42N**±.054 **123.76E**±.061 **18**±5.6 **4.1b 27 0-84**
EIDC II 11 15 17 05.7 24.4N 124.0E 0 4.0b ¶97ii1641
JMA II 11 15 17 07.2±.1 24.41N±.01 123.74E±.00 4±1 4.3
BJI II 11 15 17 07.4 24.29N 123.57E 20 3.5L,4.0b
NEIC II 11 15 17 08.5 24.49N 123.99E 33 4.3b
JMA Felt I=IV J1
BJI Ms4.2

(274) Southern Sumatera

ISC II 11 17 53 21±3.0 **1.1S**±.12 **100.6E**±.17 **124**±26 **4.3b 21 4-145**
BJI II 11 17 53 18.4 0.91S 100.68E 92 4.5b ¶97ii1656
NEIC II 11 17 53 19.7 1.09S 100.57E 109 4.1b
KLM II 11 17 53 20 1.1S 100.5E 109 3.1L
EIDC II 11 17 53 22.7 1.1S 100.5E 121 4.1b
NEIC Less reliable solution.
NEIC Felt at Padang.
KLM Mb4.1

(321) Southern Xinjiang Province

ISC II 11 20 21 02.2±.76 **39.46N**±.039 **76.88E**±.038 **46**±7.8 **4.6b,4.6s 141 1-98**
BJI II 11 20 20 59.9 39.61N 77.02E 18 4.6b,4.9s ¶97ii1669
NEIC II 11 20 21 00.6 39.50N 76.94E 33 4.7b,4.5s
MOS II 11 20 21 01.1 39.5N 77.0E 33 4.9b,4.5s
EIDC II 11 20 21 06.4 39.4N 76.8E 72 4.1b
NEIC Felt in Jiashi County.

(36) Northern California

ISC II 11 22 05 29±1.0 **38.38N**±.047 **122.5W**±.12 **11**±11 **15 0-3**
NEIC II 11 22 05 28.3 38.35N 122.64W 6 ¶97ii1679
NEIC M_D3.0(GM), M_L3.0(BRK). Felt, After GM–P.
NEIC Felt at Rohnert Park.

(458) Hebgen Lake region

ISC II 12 01 51 52.6±.97 **44.8N**±.10 **111.5W**±.11 **8**±12 **10 0-2**
NEIC II 12 01 51 53.0 44.84N 111.54W 5 ¶97ii1702
NEIC M_L1.9(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.

(458) Hebgen Lake region

ISC II 12 02 09 06.7±.94 **44.82N**±.093 **111.6W**±.11 **10**±10 **10 0-2**
NEIC II 12 02 09 07.1 44.84N 111.55W 4 ¶97ii1705
NEIC M_L2.3(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.

(2) Southern Alaska

ISC II 12 02 09 39.2±.19 **59.98N**±.026 **152.67W**±.047 **118**±2.5 **4.4b 152 0-149**
BJI II 12 02 09 37.2 60.13N 152.95W 97 4.8b ¶97ii1706
EIDC II 12 02 09 41.0 60.2N 152.8W 110 4.0b
NEIC II 12 02 09 41.2 59.97N 153.16W 105 4.4b
NEIC Felt, After AEIC.
NEIC Felt at Anchorage, Palmer, Seward and Wasilla.

(458) Hebgen Lake region

ISC II 12 03 15 45.9±.79 **44.88N**±.053 **111.58W**±.091 **4 10 0-2**
NEIC II 12 03 15 46.2 44.84N 111.55W 4 ¶97ii1713
NEIC M_L2.5(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.

(458) Hebgen Lake region

ISC II 12 04 23 47.8±.87 **44.86N**±.072 **111.57W**±.096 **6**±11 **10 0-2**
NEIC II 12 04 23 48.1 44.85N 111.55W 4 ¶97ii1721
NEIC M_L2.6(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.

(5) Near Islands

ISC II 12 05 19 04.0±.18 **52.07N**±.039 **171.29E**±.037 **41**±1.8* **5.1b,5.0s 334 2-152**
BJI II 12 05 19 02.1 52.27N 171.18E 31 5.4b,5.3s ¶97ii1724
NEIC II 12 05 19 02.9 52.06N 171.34E 33 5.1b,4.9s
HRVD II 12 05 19 03.1±.2 52.21N±.03 171.10E±.05 15
MOS II 12 05 19 03.3 52.2N 171.3E 33 5.8b,4.9s
EIDC II 12 05 19 04.5 52.1N 171.2E 35 4.7b
NEIC Mw5.5(HRV), M_L4.7(PMR)
NEIC Felt on Shemya.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c66; Half duration: 1§3. Moment tensor: Scale 10^{17}Nm; M_{rr}–1.64±.04; $M_{\theta\theta}$0.54±.06; $M_{\phi\phi}$1.10±.04; $M_{r\theta}$–0.21±.17; $M_{r\phi}$–0.83±.23; $M_{\theta\phi}$–1.03±.05. Principal Axes: T 1.97,Plg9°,Azm55°; N 0.01, Plg21°,Azm149°; P –1.98,Plg67°,Azm303°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S122°,δ40°,λ–123°. NP2:ϕ_S343°,δ57°,λ–65°.

(244) Taiwan

TAP II 12 08 05 15.1 24.43N 121.82E 10 2.4L ¶97ii1739
TAP Felt I=II J

(378) Pyrenees

ISC II 12 08 28 13.8±.46 **42.67N**±.029 **2.22E**±.034 **9**±4.4 **68 0-8**
NEIC II 12 08 28 14.2 42.68N 2.29E 10 ¶97ii1740
FBR II 12 08 28 14.8 42.62N 2.18E 9 3.0D
STR II 12 08 28 14.9 42.64N 2.18E 3 3.4L
MDD II 12 08 28 15.1 42.63N 2.19E 1 3.4
LDG II 12 08 28 15.4 42.6N 2.2E 2 3.5L
NEIC Felt I=II Fenouillet region, France mbLg3.4(MDD)
MDD Felt I=III MSK, west Prades

(344) North-Western Iran-USSR border region

ISC II 13 00 47 39±1.3 **38.69N**±.067 **48.8E**±.13 **65**±12 **3.9b 26 2-78**
NEIC II 13 00 47 36.9 38.63N 48.76E 50 3.6b ¶97ii1847
MOS II 13 00 47 38.1 38.8N 49.1E 50 4.0b
EIDC II 13 00 47 41.5 38.6N 48.7E 75 3.8b
TAB Felt Ardabil region

(2) Southern Alaska

ISC II 13 07 19 52.8±.44 **61.51N**±.024 **146.70W**±.048 **30**±5.4 **79 0-15**
NEIC II 13 07 19 53.6 61.51N 146.71W 17 ¶97ii1883
NEIC M_L3.8(PMR), M_L3.7(AEIC). Felt, After AEIC.
NEIC Felt at Valdez.

(244) Taiwan

ISC II 13 08 29 55.1±.57 **23.17N**±.041 **121.44E**±.069 **44**±6.1 **4.1b 42 0-84**
EIDC II 13 08 29 50.3 23.1N 121.3E 0 3.9b,4.2L ¶97ii1890
NEIC II 13 08 29 53.6 23.14N 121.27E 33 3.8b
TAP II 13 08 29 54.2 23.21N 121.46E 23 4.7L
BJI II 13 08 30 05.1 24.12N 120.79E 5 3.8L,3.8s
NEIC Less reliable solution.
TAP Felt I=III J Chengkung, Yuli

(244) Taiwan

ISC II 14 01 10 39±3.0 **24.3N**±.13 **121.8E**±.48 **15 4 0-1**
TAP II 14 01 10 38.9 24.34N 121.78E 15 2.7L ¶97ii2002
ISC Poorly determined
TAP Felt I=III J

(244) Taiwan

ISC II 14 17 48 51.4±.86 **23.76N**±.055 **121.6E**±.11 **19**±10 **13 0-2**
TAP II 14 17 48 51.1 23.82N 121.49E 17 3.4L ¶97ii2094
TAP Felt I=III J

(159) North Island, New Zealand

ISC II 14 23 21 52.4±.67 **38.82S**±.042 **175.99E**±.044 **5**±6.2 **27 0-4**
WEL II 14 23 21 52.6 38.83S 175.95E 5 3.9L ¶97ii2131
WEL Felt Taupo.

(546) Austria

ISC II 15 13 20 22.2±.54 **46.26N**±.053 **13.60E**±.064 **10 17 0-5**
ROM II 15 13 20 21.1 46.3N 13.8E 10 2.5D ¶97ii2239
LJU II 15 13 20 22.4 46.3N 13.7E 15
NEIC II 15 13 20 25.3 46.28N 13.79E 10
LJU Felt I=V EMS in Kamno, Slovenia.
NEIC M_L2.6(VIE), M_L2.5(LJU). ess reliable solution.
NEIC Felt I=IV MM at Kobarid, Slovenia.

(536) Sweden

ISC II 15 19 32 16.5±.45 **63.98N**±.042 **18.7E**±.11 **0 23 1-14**
EIDC II 15 19 32 17.2 64.0N 18.6E 0 3.1L ¶97ii2279
HEL II 15 19 32 18 63.91N 18.59E 3.1L
UPP II 15 19 32 19 63.9N 18.7E 3.2L
BER II 15 19 32 19.9 63.9N 18.5E 0 2.9L,3.5D
NEIC Felt Angermanland, Sweden (after MYV)

(218) Near east coast of Kamchatka

ISC II 15 22 35 29.2±.53 **53.80N**±.053 **160.6E**±.11 **64**±4.9 **4.0b 52 1-86**
EIDC II 15 22 35 22.9 53.9N 160.4E 0 4.0b ¶97ii2303
NEIC II 15 22 35 26.5 53.99N 160.42E 33 4.4b
MOS II 15 22 35 27.8 54.2N 160.4E 33 4.5b
KRSC II 15 22 35 29.9 53.75N 160.65E 40 4.2b
NEIC Less reliable solution.
KRSC Felt I=II MSK Cape Shipunskiy

(244) Taiwan

TAP II 16 10 02 13.3 24.46N 121.75E 9 2.3L ¶97ii2361
TAP Felt I=III J

(353) Southern Iran

ISC II 17 04 31 28.0±.88 **27.46N**±.044 **56.16E**±.026 **43**±8.1 **4.9b,4.3s 230 4-135**
EIDC II 17 04 31 23.2 27.4N 56.1E 0 4.8b,4.2s ¶97ii2452
BJI II 17 04 31 26.2 27.67N 56.12E 24 5.0b,4.7s
MOS II 17 04 31 26.6 27.4N 56.2E 33 5.2b,4.5s
NEIC II 17 04 31 26.9 27.44N 56.11E 33 4.9b,4.4s
NEIC Felt in the Bandar'Abbas area.

(347) Western Iran

ISC II 17 04 50 45±1.8 **31.39N**±.088 **49.83E**±.056 **67**±16 **4.4b 52 4-115**
BJI II 17 04 50 39.4 31.27N 49.55E 35 4.6b,4.3s ¶97ii2453
NEIC II 17 04 50 41.3 31.42N 49.84E 33 4.5b
MOS II 17 04 50 41.4 31.4N 49.9E 33 4.6b
EIDC II 17 04 50 45.6 31.4N 49.8E 58 4.0b,4.8L
NEIC Felt at Izeh.

(1) Central Alaska

ISC II 17 08 31 22.8±.18 **62.03N**±.020 **149.82W**±.044 **66**±3.5 **4.0b 126 0-146**
EIDC II 17 08 31 23.7 62.0N 149.8W 57 3.9b,3.6s ¶97ii2465
NEIC II 17 08 31 24.3 61.99N 149.87W 48
NEIC M_L4.3(AEIC), M_L4.3(PMR). Felt, After AEIC.
NEIC Felt at Anchorage, Palmer, Talkeetna and Wasilla.

(2) Southern Alaska

ISC II 17 09 33 21.7±.16 **61.85N**±.019 **149.63W**±.039 **67**±2.4 **4.5b 180 0-147**
BJI II 17 09 33 17.2 61.81N 149.59W 47 5.0b,4.9s ¶97ii2472
MOS II 17 09 33 19.9 61.9N 149.6W 50 5.2b
EIDC II 17 09 33 22.6 62.0N 149.6W 58 4.1b
NEIC II 17 09 33 23.5 61.81N 149.60W 47 4.7b
NEIC M_L5.0(AEIC), M_L4.8(PMR). Felt, After AEIC.
NEIC Felt in much of southcentral Alaska including Anchorage, Butte, Palmer and Wasilla.

(546) Austria

ISC II 17 10 53 39.0±.44 **47.68N**±.034 **14.22E**±.053 **1 48 0-5**
SZGRF II 17 10 53 39.8 47.62N 14.20E 1 3.3L ¶97ii2476
NEIC II 17 10 53 40.5 47.70N 14.30E 5
ROM II 17 10 54 00.6 46.2N 13.2E 5 3.0D
NEIC $M_{L3.4}$(VIE)
NEIC Felt I=IV MM at Liezen.

(383) Northwestern Balkan region

SKO II 17 12 07 26.2 42.11N 21.20E 12 ¶97ii2489
SKO Felt I=II MSK at Radusa (Skopje region)

(348) Iran

ISC II 17 22 53 53±1.0 **36.85N**±.063 **54.74E**±.055 **58**±11 **4.2b**,3.4s **51 3-96**
EIDC II 17 22 53 47.2 36.8N 54.5E 0 4.2b,4.2L ¶97ii2562
NEIC II 17 22 53 50.4 36.81N 54.67E 33 4.7b
BJI II 17 22 53 50.7 36.85N 54.85E 25 4.7b
MOS II 17 22 53 52.6 37.0N 55.0E 33 4.9b
NEIC Felt.
NEIC Felt in the Gorgan area.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(676) Alaska						
ISC	**II**	**17 23 19 37**±1.1	**65.19N**±.050	**148.7W**±.11	**7**±8.9		**22**	**0-4**
NEIC	II	17 23 19 38.5	65.15N	148.63W	10			**¶97ii2570**
NEIC		M_L2.9(AEIC). Felt, After AEIC.						
NEIC		Felt in the Hamilton Acres area of Fairbanks.						
		(244) Taiwan						
ISC	**II**	**17 23 28 12.9**±.86	**23.05N**±.050	**121.47E**±.079	**16**±13		**20**	**0-3**
BJI	II	17 23 28 11.6	23.04N	121.34E	15	3.5L		**¶97ii2571**
TAP	II	17 23 28 12.3	23.05N	121.48E	21	4.3L		
TAP		Felt I=III J Chengkung						
		(378) Pyrenees						
ISC	**II**	**18 00 47 04.4**±.35	**43.21N**±.028	**0.99W**±.039	**22**±3.5		**71**	**0-7**
NEIC	II	18 00 47 03.2	43.26N	0.95W	10			**¶97ii2580**
STR	II	18 00 47 04.1	43.04N	1.02W	7	3.5L		
LDG	II	18 00 47 04.8	43.2N	1.0W	2	3.7L		
MDD	II	18 00 47 05.0	43.21N	0.97W	5	3.5		
NEIC		mbLg3.2(MDD)						
MDD		Felt I=IV MSK, west Cheroute, France						
		(103) Colombia						
ISC	**II**	**18 00 54 40.2**±.74	**4.60N**±.089	**76.5W**±.18	**115**±7.6	**3.9b**	**18**	**0-94**
EIDC	II	18 00 54 27.4	4.7N	76.6W	0	4.0b		**¶97ii2581**
NEIC	II	18 00 54 40.2	4.54N	76.50W	118	3.8b		
NEIC		Less reliable solution.						
NEIC		Felt in Cali (after SILC)						
		(244) Taiwan						
ISC	**II**	**18 08 18 26**±3.0	**24.26N**±.077	**122.0E**±.27	**8**±14		**10**	**0-1**
TAP	II	18 08 18 26.7	24.31N	121.84E	15	3.5L		**¶97ii2617**
TAP		Felt I=III J						
		(366) Turkey						
ISC	**II**	**18 08 43 47.9**±.87	**39.42N**±.031	**26.29E**±.037	**11**±6.5	**3.8b**,3.3s	**72**	**0-97**
ISK	II	18 08 43 45.2	39.48N	26.08E	9	3.7D		**¶97ii2619**
ATH	II	18 08 43 47.1	39.43N	26.51E	5	3.8L		
NEIC	II	18 08 43 47.4	39.42N	26.28E	10			
EIDC	II	18 08 43 47.7	39.3N	26.3E	0	3.8b,3.6L		
THE	II	18 08 43 48.8	39.4N	26.3E	9	3.8L		
NEIC		Felt at Ayvalik.						
		(33) Western Idaho						
ISC	**II**	**18 09 55 10.2**±.31	**44.53N**±.033	**114.81W**±.039	**5**		**51**	**1-7**
NEIC	II	18 09 55 09.9	44.53N	114.80W	5			**¶97ii2628**
NEIC		M_L3.8(BUT), M_L3.6(GS)						
NEIC		Felt in the epicentral area.						
		(244) Taiwan						
ISC	**II**	**18 12 18 49**±1.8	**24.0N**±.13	**121.5E**±.29	**11**		**4**	**0-1**
TAP	II	18 12 18 48.8	24.03N	121.60E	11	2.7L		**¶97ii2642**
ISC		Poorly determined						
TAP		Felt I=II J Hwalien						
		(43) Southern California						
ISC	**II**	**18 20 56 21**±1.3	**34.2N**±.13	**117.7W**±.12	**5**		**4**	**0-2**
NEIC	II	18 20 56 22.2	34.10N	117.74W	5			**¶97ii2688**
ISC		Poorly determined						
NEIC		M_D2.3(PAS). Felt, After PAS.						
NEIC		Felt in the Claremont area.						
		(228) Near east coast of Honshū						
ISC	**II**	**19 01 04 01.0**±.26	**35.56N**±.022	**140.23E**±.034	**77**±2.6	**4.2b**	**163**	**0-148**
MOS	II	19 01 03 58.8	35.6N	140.3E	59	4.8b		**¶97ii2716**
BJI	II	19 01 03 59.3	35.39N	140.33E	74	4.5b		
NEIC	II	19 01 03 59.9	35.47N	140.28E	67	4.5b		
EIDC	II	19 01 04 01.0	35.5N	140.3E	63	3.8b		
JMA	II	19 01 04 01.2±.2	35.56N±.01	140.15E±.01	76±2	4.0		
NEIC		Felt in Chiba Prefecture. Also felt in the Tokyo area.						
		(244) Taiwan						
ISC	**II**	**19 06 24 43**±3.2	**23.1N**±.11	**121.6E**±.23	**5**±19		**6**	**0-1**
TAP	II	19 06 24 44.1	23.12N	121.43E	14	3.3L		**¶97ii2738**
TAP		Felt I=III J Chengkung						
		(244) Taiwan						
ISC	**II**	**19 09 49 21.4**±.70	**23.87N**±.036	**121.70E**±.074	**25**±5.3	**3.9b**	**40**	**0-83**
BJI	II	19 09 49 13.4	23.65N	122.18E	5	4.2L,4.5b		**¶97ii2759**
TAP	II	19 09 49 21.2	23.90N	121.56E	18	4.5L		
NEIC	II	19 09 49 28.9	23.81N	121.82E	100			
EIDC	II	19 09 49 35.9	24.0N	121.8E	139	3.5b		
BJI		Ms4.3						
TAP		Felt I=V j, III Hwalien, Chiawan						
NEIC		Less reliable solution.						
		(103) Colombia						
ISC	**II**	**19 18 25 13.4**±.24	**4.53N**±.022	**76.49W**±.022	**110**±2.6	**5.4b**	**453**	**0-158**
BJI	II	19 18 25 11.5	4.93N	76.78W	92			**¶97ii2814**
NEIC	II	19 18 25 12.5	4.56N	76.49W	101	5.5b		
MOS	II	19 18 25 12.6	4.6N	76.5W	100	5.9b		
EIDC	II	19 18 25 12.8	4.5N	76.3W	100	5.0b		
HRVD	II	19 18 25 19.5±.2	4.78N±.01	76.50W±.02	118±.7			
IGQ	II	19 18 26 00.0	4.4N	76.5W	106	5.7b		
NEIC		Mw5.8(GS), M_D5.1(UPA)						
NEIC		Mw 5.8 (HRV). Some minor damage to buildings at Armenia and Pereira. Felt in Antioquia, Caldas, Cauca, Quindio, Risaralda and Valle del Cauca Departments.						
NEIC		Moment tensor solution: s15, scale 10^{17}Nm; M_{rr}4.96; $M_{\theta\theta}$−2.84; $M_{\phi\phi}$−2.12; $M_{r\theta}$−2.48; $M_{r\phi}$1.79; $M_{\theta\phi}$3.56. Depth 105km; Principal axes: T 5.76,Plg75°,Azm207°; N 1.08,Plg4°, Azm311°; P −6.84,Plg14°,Azm42°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S137°,δ31°, λ97°. NP2:ϕ_S308°,δ60°,λ86°.						
NEIC		Felt in Cali (after SILC)						
NEIC		Felt strongly in Cali, Popayan, Pereira, Manizales, and all west parts of Colombia. Some buildings were damaged(after BOG)						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c89; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.98±.08; $M_{\theta\theta}$−3.44±.14; $M_{\phi\phi}$−1.53±.17; $M_{r\theta}$−1.03±.08; $M_{r\phi}$0.00±.09; $M_{\theta\phi}$3.79±.12. Principal Axes: T 5.14,Plg80°,Azm150°; N 1.32, Plg10°,Azm307°; P −6.46,Plg4°,Azm38°. Best double couple: $M_0$5.8×10^{17}Nm, NP1:ϕ_S138°, δ42°,λ105°. NP2:ϕ_S299°,δ50°,λ77°.						
		(228) Near east coast of Honshū						
ISC	**II**	**19 20 21 49.0**±.23	**37.40N**±.018	**141.04E**±.027	**93**±2.2	**5.3b**	**525**	**0-161**
BJI	II	19 20 21 46.0	37.44N	141.09E	82	5.8b,4.7s		**¶97ii2832**
MOS	II	19 20 21 47.2	37.5N	141.1E	78	5.9b,4.6s		
NEIC	II	19 20 21 48.0	37.40N	141.07E	84	5.3b		
JMA	II	19 20 21 49.1±.1	37.38N±.01	141.16E±.01	88±3	5.3		
HRVD	II	19 20 21 49.2±.3	37.21N±.03	141.22E±.05	96±3.0			
EIDC	II	19 20 21 51.1	37.3N	141.0E	103	4.8b		
NEIC		Mw5.5(HRV)						
NEIC		Felt I=IV J in eastern Fukushima and northern Tochigi Prefectures.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c49; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.45±.05; $M_{\theta\theta}$−0.37±.10; $M_{\phi\phi}$0.82±.09; $M_{r\theta}$1.08±.05; $M_{r\phi}$1.59±.06; $M_{\theta\phi}$−0.42±.08. Principal Axes: T 1.93,Plg36°,Azm280°; N 0.30, Plg21°,Azm26°; P −2.22,Plg46°,Azm139°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S312°,δ22°,λ−165°. NP2:ϕ_S208°,δ85°,λ−69°.						
		(244) Taiwan						
ISC	**II**	**19 21 31 08**±1.9	**24.22N**±.076	**122.0E**±.22	**29**±8.5		**12**	**0-2**
TAP	II	19 21 31 09.1	24.32N	121.78E	26	3.0L		**¶97ii2839**
TAP		Felt I=II J						
		(540) The Netherlands						
ISC	**II**	**19 21 53 48**±1.6	**53.00N**±.054	**6.7E**±.12	**21**±17		**32**	**0-13**
NEIC	II	19 21 53 46.0	52.98N	6.73E	5			**¶97ii2841**
EIDC	II	19 21 53 48.6	52.9N	7.0E	0	3.6L		
LDG	II	19 21 53 49.7	52.9N	7.2E	2	3.3L		
SZGRF	II	19 21 53 50.5	52.90N	6.77E	10	3.2L		
ISC		Felt I=V−IV in Roswinkel area, slight damage: cracks in walls (after HGN)						
NEIC		M_L3.0(UCC).						
		(244) Taiwan						
ISC	**II**	**19 22 13 23**±1.0	**23.85N**±.065	**121.6E**±.12	**24**±7.0	3.3b	**16**	**0-83**
TAP	II	19 22 13 23.3	23.94N	121.50E	17	3.8L		**¶97ii2843**
TAP		Felt I=III J Hwalien, Chiawan						
		(244) Taiwan						
ISC	**II**	**20 01 57 39**±2.0	**24.44N**±.080	**121.9E**±.24	**19**±21		**9**	**0-1**
TAP	II	20 01 57 38.7	24.47N	121.87E	19	2.9L		**¶97ii2861**
TAP		Felt I=III J						
		(71) Near coast of Guatemala						
ISC	**II**	**20 03 22 11.0**±.55	**13.49N**±.069	**90.31W**±.040	**80**±4.5	**4.5b**	**92**	**1-147**
NEIC	II	20 03 22 10.5	13.49N	90.34W	75	4.7b		**¶97ii2868**
EIDC	II	20 03 22 12.6	13.7N	90.1W	75	4.2b,4.2s		
BJI	II	20 03 22 13.2	13.98N	90.65W	76			
MEX	II	20 03 22 15.5	13.8N	90.6W	12	5.0D		
NEIC		M_D4.7(SSS)						
NEIC		Felt I=IV MM at San Salvador, El Salvador.						
		(224) Hokkaido region						
ISC	**II**	**20 07 55 00.9**±.28	**41.76N**±.018	**142.76E**±.029	**57**±2.7	**5.4b,5.7s**	**597**	**0-160**
BJI	II	20 07 54 57.4	41.76N	142.92E	40	5.7b,5.7s		**¶97ii2897**
NEIC	II	20 07 54 58.4	41.86N	142.74E	33	5.4b,5.5s		
MOS	II	20 07 54 59.3	41.9N	142.8E	40	5.9b,5.9s		
EIDC	II	20 07 54 59.9	41.8N	142.7E	37	5.1b,5.6s		
JMA	II	20 07 55 00.3±.1	41.76N±.01	142.88E±.01	49±3	5.7		
HRVD	II	20 07 55 03.1±.1	41.70N±.01	143.22E±.01	51			
NEIC		Mw6.0(GS), Mw6.0(HRV)						
NEIC		Felt I=V J at Urakawa, Honshu. Felt in Aomori and Iwate Prefectures, Honshu. Kunashir. Mo=1.8×10^{18}Nm (PPT).						
NEIC		Moment tensor solution: s37, scale 10^{17}Nm; M_{rr}8.20; $M_{\theta\theta}$−2.90; $M_{\phi\phi}$−5.30; $M_{r\theta}$1.70; $M_{r\phi}$8.50; $M_{\theta\phi}$−4.00. Depth 41km; Principal axes: T 12.3,Plg64°,Azm268°; N −0.7,Plg12°, Azm24°; P −11.6,Plg23°,Azm119°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S232°,δ25°, λ120°. NP2:ϕ_S19°,δ69°,λ77°.						
MOS		Felt I=II−III MSK at Yuzno−Kurilsk.						
JMA		Felt I=VI J1						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c108; Mantle waves: s29,c33; Half duration: 2s5. Moment tensor: Scale 10^{17}Nm; M_{rr}7.94±.09; $M_{\theta\theta}$−1.77±.11; $M_{\phi\phi}$−6.17±.10; $M_{r\theta}$3.51±.14; $M_{r\phi}$7.66±.12; $M_{\theta\phi}$−4.16±.09. Principal Axes: T 11.5,Plg67°,Azm289°; N 0.7,Plg4°,Azm28°; P −12.2,Plg23°,Azm119°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S217°,δ23°,λ100°. NP2:ϕ_S26°,δ68°,λ86°.						
		(12) Alaska Peninsula						
ISC	**II**	**20 11 24 06**±2.8	**55.6N**±.10	**160.8W**±.55	**33**		**6**	**0-11**
NEIC	II	20 11 24 05.3	55.62N	161.08W	33			**¶97ii2916**
NEIC		M_L3.7(PMR). Poor solution.						
NEIC		Felt I=III MM at Cold Bay.						
		(163) Cook Strait, New Zealand						
ISC	**II**	**20 12 11 46.0**±.67	**41.86S**±.067	**174.6E**±.10	**47**±19		**24**	**0-5**
WEL	II	20 12 11 47.8	41.72S	174.52E	31	4.0L		**¶97ii2923**
WEL		Felt Eastbourne and Hutt Valley.						
		(378) Pyrenees						
ISC	**II**	**20 12 37 37.9**±.51	**43.06N**±.047	**0.65W**±.046	**4**±7.9		**21**	**0-3**
LDG	II	20 12 37 37.7	43.1N	0.6W	2	2.7L		**¶97ii2926**
NEIC	II	20 12 37 38.1	43.07N	0.66W	5			
MDD	II	20 12 37 38.6	43.09N	0.63W	2	3.0		
PIST		Felt at Issor						
NEIC		M_L2.4(STR). Felt.						
		(383) Northwestern Balkan region						
ISC	**II**	**20 14 24 27**±1.1	**43.88N**±.026	**18.27E**±.033	**4**±8.3	**3.9b**	**120**	**1-124**
NEIC	II	20 14 24 26.9	43.80N	18.30E	10	3.8b		**¶97ii2941**
LDG	II	20 14 24 27.5	43.7N	18.5E	2	4.0L		
EIDC	II	20 14 24 27.8	43.9N	18.3E	0	3.8b,4.0L		
PDG	II	20 14 24 28.3	43.8N	18.4E	5	3.8L,3.8D		
ROM	II	20 14 24 28.7	43.9N	18.6E	10	3.6D		
NEIC		M_L3.9(VIE)						
NEIC		Minor damage at Sarajevo, Bosnia and Herzegovina. Also felt at Tuzla, Bosnia and Herzegovina.						
ZAG		Felt at Sarajevo, Bosnia and Herzegovina (after HVAR)						
		(544) Switzerland						
ISC	**II**	**20 15 39 32.8**±.70	**47.78N**±.029	**7.40E**±.041	**14**±6.2		**59**	**0-5**
NEIC	II	20 15 39 33.4	47.75N	7.41E	20			**¶97ii2948**
LDG	II	20 15 39 33.6	47.8N	7.6E	15	3.2L		
STR	II	20 15 39 34.2	47.81N	7.51E	10	3.1L		
LEDBW	II	20 15 39 34.4	47.81N	7.56E	21	3.1L		
ZUR	II	20 15 39 34.5	47.83N	7.54E	10	2.7L		
SZGRF	II	20 15 39 38.7	47.90N	7.70E				
NEIC		ML 3.1 (VIE).						
LEDBW		Felt I=III MSK						
		(159) North Island, New Zealand						
ISC	**II**	**20 16 48 24.1**±.54	**40.99S**±.048	**175.03E**±.096	**69**±7.8	3.7b	**35**	**0-147**
EIDC	II	20 16 48 20.9	40.5S	174.8E	0	3.7b		**¶97ii2954**
WEL	II	20 16 48 26.5	40.88S	175.03E	31	4.3L		
WEL		Felt Paraparaumu, Wellington and Hutt Valley						
		(43) Southern California						
NEIC	**II**	**21 04 14 28.1**	**34.46N**	**115.89W**	**6**			**1-2**
NEIC		M_D2.7(PAS). Felt, After PAS.						**¶97ii3013**
		(377) Spain						
ISC	**II**	**21 06 07 40**±1.2	**37.59N**±.053	**2.77W**±.062	**12**±11		**17**	**0-4**
NEIC	II	21 06 07 39.7	37.59N	2.76W	10			**¶97ii3027**
MDD	II	21 06 07 40.8	37.57N	2.73W	7	3.1		
NEIC		mbLg2.9(MDD). Single network solution.						
NEIC		Felt I=III MM in the Baza area.						
		(369) Dodecanese Islands						
ATH	**II**	**21 10 34 49.6**	**36.24N**	**27.75E**	**10**	**3.8D**		**¶97ii3053**
NEIC		Felt at Fethiye (after DST)						
		(43) Southern California						
ISC	**II**	**21 13 23 24**±1.7	**34.34N**±.058	**119.75W**±.080	**12**±13		**30**	**1-7**
NEIC	II	21 13 23 25.0	34.40N	119.70W	2			**¶97ii3076**
NEIC		M_D3.6(PAS). Felt, After PAS.						
NEIC		Felt at Santa Barbara.						

(321) Southern Xinjiang Province

ISC	**II**	**21 14 29 14**±1.5	**39.57N**±.045	**76.95E**±.064	**25**±13	**4.2b,4.4s**	**59**	**1-82**
BJI	II	21 14 29 13.8	39.63N	77.08E	18	4.9L,4.6b		¶97ii3085
NEIC	II	21 14 29 15.1	39.49N	77.35E	59	4.3b		
MOS	II	21 14 29 15.2	39.6N	77.2E	33	4.3s		
EIDC	II	21 14 29 18.6	39.7N	76.6E	49	3.7b,3.9L		

BJI Ms4.5
NEIC Less reliable solution.
NEIC Felt strongly in the epicentral area.

(222) Kuril Islands region

ISC	**II**	**21 23 40 26.3**±.11	**43.70N**±.019	**149.09E**±.025	**54**±1.4*	**5.9b,5.8s**	**795**	**2-152**
EIDC	II	21 23 40 20.5	43.9N	149.1E	0	5.7b,5.8s		¶97ii3140
NEIC	II	21 23 40 24.1	43.83N	149.17E	33	6.1b,5.6s		
JMA	II	21 23 40 24.3±.6	43.95N±.04	149.42E±.06	60	5.8		
BJI	II	21 23 40 25.9	44.01N	149.01E	42	5.8b,5.9s		
SKHL	II	21 23 40 26.0	44.0N±.12	149.3E±.20	49±6			
HRVD	II	21 23 40 26.9±.1	43.90N±.01	149.22E±.01	31±.9			
MOS	II	21 23 40 27.1	44.2N	149.1E	46	6.5b,6.1s		

NEIC Me6.8(GS), Mw6.6(OBN)
NEIC Mw 6.1 (HRV), 6.0 (GS)
NEIC Radiated energy from the P−wave first−motion solution: 3.1±1.0×10^{14}Nm/17
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S140°,δ70°,λ0°. NP2:ϕ_S230°,δ90°,λ−160°. Principal axes: T Plg14°,Azm3°; P Plg14°,Azm97°.
NEIC Moment tensor solution: s50, scale 10^{18}Nm; M_{rr}0.14; $M_{\theta\theta}$1.03; $M_{\phi\phi}$−1.17; $M_{r\theta}$0.38; $M_{r\phi}$0.07; $M_{\theta\phi}$0.01. Depth 27km; Principal axes: T 1.17,Plg20°,Azm359°; N 0.00,Plg69°,Azm188°; P −1.17,Plg3°,Azm90°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S136°,δ74°,λ13°. NP2: ϕ_S43°,δ78°,λ163°.
SKHL Felt I=II MSK at Kurilsk
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c101; Mantle waves: s41,c64; Half duration: 2s7. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.16±.01; $M_{\theta\theta}$1.38±.01; $M_{\phi\phi}$−1.22±.01; $M_{r\theta}$0.73±.03; $M_{r\phi}$0.25±.03; $M_{\theta\phi}$−0.19±.01. Principal Axes: T 1.68,Plg22°,Azm2°; N −0.35,Plg62°,Azm224°; P −1.33,Plg17°,Azm99°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S141°,δ62°,λ3°. NP2:ϕ_S50°,δ87°,λ152°.
MOS Felt I=II MSK at Kurilsk.
MOS Focal mechanism: C60, D6; NP1:ϕ_S162°,δ35°,λ30°. NP2:ϕ_S47°,δ73°,λ121°. Principal axes: T Plg52°,Azm352°; N Plg29°,Azm217°; P Plg22°,Azm114°. M_0 8.4×10^{18}Nm (after OBN)

(244) Taiwan

ISC	**II**	**21 23 50 27.8**±.69	**23.92N**±.047	**121.57E**±.090	**19**±7.3		**17**	**0-2**
TAP	II	21 23 50 27.1	23.94N	121.52E	21	3.8L		¶97ii3141

TAP Felt I=IV J, III Hwalien

(73) El Salvador

ISC	**II**	**22 03 03 30**±5.1	**13.1N**±.40	**89.0W**±.17	**33**		**10**	**0-1**
NEIC	II	22 03 03 29.2	13.05N	89.00W	33			¶97ii3161

NEIC M_D2.8(SSS). Single network solution.
NEIC Felt I=II MM at San Salvador.

(116) Peru

ISC	**II**	**22 06 09 17**±1.8	**11.8S**±.18	**74.9W**±.12	**40**±22	**3.8b**	**16**	**2-147**
NEIC	II	22 06 09 15.9	11.73S	74.89W	33	3.6b		¶97ii3176
EIDC	II	22 06 09 18.5	11.9S	75.0W	42	3.6b,3.8L		

NEIC Less reliable solution.
NEIC Felt in the Huancayo area.

(244) Taiwan

ISC	**II**	**22 06 40 14**±2.1	**23.22N**±.069	**121.5E**±.18	**6**±20		**6**	**0-1**
TAP	II	22 06 40 14.8	23.27N	121.38E	8	3.3L		¶97ii3180

TAP Felt I=II J Chengkung

(244) Taiwan

ISC	**II**	**22 18 31 45**±2.8	**24.4N**±.15	**121.8E**±.39	**12**		**4**	**0-1**
TAP	II	22 18 31 44.6	24.41N	121.81E	12	2.5L		¶97ii3230

ISC Poorly determined
TAP Felt I=III J

(364) Greece

ISC	**II**	**22 19 31 17.4**±.54	**38.39N**±.026	**22.04E**±.025	**23**±4.9	**4.2b**	**172**	**1-121**
ATH	II	22 19 31 17.0	38.30N	22.05E	5	3.7L		¶97ii3240
THE	II	22 19 31 17.2	38.4N	22.1E	3	3.7L		
NEIC	II	22 19 31 18.6	38.42N	22.04E	33	4.3b		
MOS	II	22 19 31 20.2	38.6N	22.0E	33	4.8b		
EIDC	II	22 19 31 21.5	38.5N	22.0E	43	3.9b,3.8L		
PDG	II	22 19 31 36.5	39.2N	20.4E	45	3.8L		

NEIC M_L4.0(THE)
NEIC Felt at Aiyion and Patrai.

(43) Southern California

ISC	**II**	**23 03 43 32.1**±.84	**33.75N**±.040	**116.01W**±.042	**7**±7.7	**3.8b**	**48**	**0-50**
ECX	II	23 03 43 31.7	33.76N	115.99W	5	3.9D		¶97ii3287
NEIC	II	23 03 43 33.1	33.74N	116.04W	8			
EIDC	II	23 03 43 33.7	33.6N	116.2W	17	3.7L,3.7b		

NEIC M_L3.9(GS), M_D3.8(PAS). Felt, After PAS.
NEIC Felt in the Coachella Valley.

(43) Southern California

ISC	**II**	**23 03 44 58.6**±.48	**33.73N**±.041	**116.05W**±.045	**9**±6.2		**20**	**0-1**
NEIC	II	23 03 44 59.2	33.74N	116.04W	7			¶97ii3288

NEIC M_D3.5(PAS). Felt, After PAS.
NEIC Felt in the Coachella Valley.

(43) Southern California

ISC	**II**	**23 03 48 50.5**±.79	**33.72N**±.047	**116.07W**±.060	**1**±8.4		**31**	**0-6**
ECX	II	23 03 48 50.3	33.73N	116.05W	5	3.1D		¶97ii3290
NEIC	II	23 03 48 51.1	33.74N	116.04W	8			

NEIC M_L3.1(GS), M_D3.1(PAS). Felt, After PAS.
NEIC Felt in the Coachella Valley.

(348) Iran

ISC	**II**	**23 13 22 44.5**±.86	**36.7N**±.14	**58.7E**±.12	**33**	**3.9b**,3.1s	**14**	**12-81**
EIDC	II	23 13 22 41.4	36.7N	58.9E	0	4.0b,3.1s		¶97ii3335
NEIC	II	23 13 22 44.4	36.71N	58.76E	33	3.5b		

NEIC Less reliable solution.
NEIC Felt at Mashhad.

(243) Taiwan region

ISC	**II**	**23 16 20 48**±2.6	**24.55N**±.053	**122.0E**±.20	**1**±12		**14**	**0-2**
TAP	II	23 16 20 48.1	24.54N	121.91E	8	3.4L		¶97ii3346

TAP Felt I=III J

(243) Taiwan region

ISC	**II**	**23 16 22 25**±1.6	**24.59N**±.046	**122.2E**±.14	**8**		**19**	**0-7**
TAP	II	23 16 22 26.8	24.55N	121.92E	8	4.0L		¶97ii3347

TAP Felt I=IV J

(244) Taiwan

TAP	**II**	**23 18 47 49.5**	**24.54N**	**121.93E**	**8**	**3.1L**		¶97ii3359

TAP Felt I=II J

(378) Pyrenees

ISC	**II**	**23 20 57 09.6**±.44	**43.14N**±.040	**0.66W**±.044	**8**±4.9		**40**	**0-6**
NEIC	II	23 20 57 09.4	43.16N	0.65W	5			¶97ii3370
LDG	II	23 20 57 10.5	43.0N	0.7W	2	3.3L		
MDD	II	23 20 57 10.9	43.08N	0.69W	1	3.4		

NEIC mbLg3.3(MDD). Felt.
NEIC ML 2.7 (STR). Felt at Lourdios, France.

(19) South-Eastern Alaska

ISC	**II**	**24 01 04 51**±1.4	**58.80N**±.043	**136.28W**±.068	**15**±12	**4.2b**	**95**	**2-102**
NEIC	II	24 01 04 50.4	58.81N	136.23W	10	4.5b		¶97ii3397
EIDC	II	24 01 04 50.7	58.9N	136.1W	0	3.8b,3.7L		
PGC	II	24 01 04 51.9	58.8N	136.1W	10	4.4L		

NEIC $M_{L4.5}$(PMR), $M_{L4.2}$(AEIC)
NEIC Felt I=IV MM Juneau (after SIT)
PGC Glacier Bay. Felt at Gustavus and Haines, Alaska.

(244) Taiwan

ISC	**II**	**24 01 53 36**±3.1	**24.1N**±.17	**121.7E**±.38	**11**±17		**7**	**0-1**
TAP	II	24 01 53 35.7	24.03N	121.61E	12	2.7L		¶97ii3404

ISC Poorly determined
TAP Felt I=III J Chiawan, I Hwalien

(377) Spain

ISC	**II**	**24 07 09 50.1**±.50	**37.05N**±.027	**3.82W**±.027	**14**±3.6	**4.2b**	**144**	**0-151**
BJI	II	24 07 09 42.9	36.14N	3.98W	10	4.7b		¶97ii3435
MOS	II	24 07 09 47.0	36.7N	3.9W	10	4.4b		
RBA	II	24 07 09 48.1	37.33N	3.64W	30	4.1D		
NEIC	II	24 07 09 49.7	37.08N	3.85W	10	4.4b		
EIDC	II	24 07 09 49.9	37.0N	3.8W	0	4.1b,4.1L		
LDG	II	24 07 09 50.6	37.0N	4.1W	2	4.6L		
MDD	II	24 07 09 51.6	37.02N	3.83W	6	4.3		
LIS	II	24 07 09 52	37.03N	3.85W		4.6L		

NEIC mbLg4.3(MDD)
NEIC Felt I=V MM in the Ventas de Huelma area.
MDD Felt I=IV MSK, Agron

(40) California-Nevada border region

ISC	**II**	**24 16 26 55.7**±.40	**37.66N**±.037	**118.86W**±.046	**10**		**44**	**0-5**
NEIC	II	24 16 26 54.8	37.57N	118.85W	10			¶97ii3504

NEIC M_L3.6(GS), M_L3.6(BRK). Felt, After GM−P.
NEIC MD 3.5 (GM). Felt at Mammoth Lakes, California.

(40) California-Nevada border region

ISC	**II**	**24 18 13 26.8**±.25	**37.62N**±.026	**118.89W**±.030	**10**	**3.7b**	**69**	**0-39**
NEIC	II	24 18 13 25.5	37.57N	118.85W	10			¶97ii3519
EIDC	II	24 18 13 29.7	37.9N	118.9W	0	3.7b,3.8L		

NEIC M_L4.5(GS), Mw4.0(BRK). Felt, After GM−P.
NEIC MD 4.1 (GM). ML 4.5 (BRK). Felt at Mammoth Lakes and Visalia, California. Mo=1.2×10^{15}Nm (BRK).

(244) Taiwan

TAP	**II**	**25 03 28 26.8**	**24.45N**	**121.75E**	**4**	**1.7L**		¶97ii3577

TAP Felt I=III J

(115) Near coast of Peru

ISC	**II**	**25 10 35 49**±1.9	**14.5S**±.14	**76.2W**±.16	**35**±15	**4.0b**	**22**	**3-138**
NEIC	II	25 10 35 48.6	14.48S	76.21W	33	4.1b		¶97ii3612
EIDC	II	25 10 35 54.0	14.4S	76.2W	61	3.7b,4.6L		

NEIC Felt, Less reliable solution.
NEIC Felt at Chincha Alta and Ica.

(391) Albania

ISC	**II**	**25 11 41 39**±2.4	**40.2N**±.16	**19.9E**±.13	**8**±15		**6**	**0-2**
TIR	II	25 11 41 38.1	40.19N	19.87E	18	2.4L		¶97ii3616

TIR Felt weakly at Department of Tepelena

(244) Taiwan

ISC	**II**	**25 19 37 03**±1.4	**24.43N**±.095	**121.7E**±.22	**9**		**4**	**0-1**
TAP	II	25 19 37 01.8	24.43N	121.74E	9	2.2L		¶97ii3677

ISC Poorly determined
TAP Felt I=III J

(383) Northwestern Balkan region

ISC	**II**	**26 06 41 31.0**±.17	**44.01N**±.019	**18.17E**±.024	**10**	**3.9b**	**182**	**1-90**
THE	II	26 06 41 29.4	44.3N	17.9E	35	3.7L		¶97ii3752
NEIC	II	26 06 41 31.5	44.04N	18.10E	10	3.7b		
ROM	II	26 06 41 32.0	44.1N	18.4E	10	3.8D		
EIDC	II	26 06 41 34.8	44.1N	18.3E	23	3.9L,3.8b		
MOS	II	26 06 41 34.9	44.2N	18.0E	10	4.0b		
PDG	II	26 06 41 35.1	43.9N	18.4E	0	4.1L,4.1D		

NEIC $M_{L3.9}$(ROM), $M_{L3.7}$(VIE)
NEIC ML 3.4 (BRA). Felt in the Sarajevo area, Bosnia and Herzegovina.

(374) Jordan-Syria region

ISC	**II**	**26 22 47 53**±1.1	**36.26N**±.033	**36.17E**±.061	**13**±7.7	**3.7b**	**39**	**0-79**
ISK	II	26 22 47 51.4	36.07N	36.27E	10	4.0D		¶97ii3871
NEIC	II	26 22 47 52.1	36.27N	36.16E	10			
EIDC	II	26 22 47 52.9	36.3N	36.2E	0	3.6b		

NEIC $M_{L4.2}$(JER)
NEIC Felt at Antakya, Turkey.

(131) Tucumán Province, Argentina

ISC	**II**	**26 23 38 29**±1.6	**26.7S**±.12	**64.8W**±.11	**47**±20	**3.8b**	**10**	**6-147**
EIDC	II	26 23 38 21.6	27.3S	65.2W	0	3.9b,4.0L		¶97ii3879
NEIC	II	26 23 38 28.8	26.66S	64.86W	50			

NEIC Less reliable solution.
NEIC Felt I=III MM at San Miguel de Tucuman. Also felt at Trancas and Vipos.

(244) Taiwan

ISC	**II**	**27 15 44 42.8**±.76	**23.85N**±.033	**121.83E**±.056	**28**±5.9	**4.0b**,3.8s	**50**	**0-83**
BJI	II	27 15 44 40.3	23.90N	121.79E	13	4.3L,4.0b		¶97ii3980
NEIC	II	27 15 44 43.0	23.85N	121.79E	33	4.3b		
TAP	II	27 15 44 43.3	23.89N	121.71E	17	4.7L		
EIDC	II	27 15 44 48.6	23.8N	121.7E	74	3.7b		

BJI Ms3.9
NEIC M_L4.3(BJI), Less reliable solution.
TAP Felt I=III J Hwalien, Chiawan, I Suao

(244) Taiwan

ISC	**II**	**27 19 26 47**±1.7	**23.87N**±.064	**121.7E**±.14	**15**±8.5		**18**	**0-2**
TAP	II	27 19 26 47.0	23.90N	121.67E	19	3.9L		¶97ii3999

TAP Felt I=II J Hwalien

(710) Pakistan

ISC	**II**	**27 21 08 02.7**±.72	**29.96N**±.032	**68.20E**±.018	**34**±6.5	**6.1b,6.9s**	**678**	**2-158**
RYD	II	27 21 07 54.8	29.38N	68.24E	33	6.5D		¶97ii4008
MOS	II	27 21 08 01.7	29.8N	68.2E	33	6.7b,6.8s		
BJI	II	27 21 08 02.1	29.93N	68.16E	34	6.2b,7.3s		
NEIC	II	27 21 08 02.3	29.98N	68.21E	33	6.3b,7.3s		
EIDC	II	27 21 08 04.7	29.9N	68.1E	46	5.5b,7.1s		
HRVD	II	27 21 08 13.6±.1	29.74N±.01	68.13E±.01	15±.3			

MOS Seismic moment Mo=2.0×10^{19}Nm, (after OBN)
NEIC Mw7.1(HRV), Me6.7(GS). Casualties, landslide/avalanche observed.
NEIC Radiated energy from the P−wave first−motion solution: 2.8±0.4×10^{14}Nm/19
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S345°,δ30°,λ150°. NP2:ϕ_S102°,δ76°,λ63°. Principal axes: T Plg52°,Azm341°; P Plg26°,Azm212°. Complex earthquake, with two events occurring about 5 seconds apart. Depth from synthetics of broadband displacement seismograms, based on first event.
NEIC Moment tensor solution: s33, scale 10^{19}Nm; M_{rr}0.52; $M_{\theta\theta}$−0.39; $M_{\phi\phi}$−0.14; $M_{r\theta}$3.87; $M_{r\phi}$−0.55; $M_{\theta\phi}$0.42. Depth 7km; Principal axes: T 3.97,Plg48°,Azm3°; N −0.02,Plg5°, Azm99°; P −3.95,Plg41°,Azm194°. Best double couple: $M_0$4.0×10^{19}Nm; NP1:ϕ_S334°,δ7°,

Agency Origin Time φ λ h Mag n Δ-Rng
mo d h m s ° ° km °

λ145°. NP2:ϕ_S98°,δ86°,λ85°.

NEIC Mw 7.0 (GS), 6.8 (OBN). At least 57 people killed, hundreds injured, thousands homeless, more than 500 houses damaged or destroyed and hundreds of livestock killed in the Harnai-Sibi area. Roads and railroads in the area blocked by landslides. Three people killed and several injured in the Quetta area. Felt throughout much of central Baluchistan. Mo=3.2×10^{19}Nm (PPT). Mo=2.0×10^{19}Nm (OBN).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c138; Mantle waves: s56,c130; Half duration: 7s9. Moment tensor: Scale 10^{19}Nm; M_{rr}2.24±.01; $M_{\theta\theta}$−2.41±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$4.58±.13; $M_{r\phi}$0.54±.05; $M_{\theta\phi}$0.53±.01. Principal Axes: T 5.16,Plg57°,Azm344°; N 0.07,Plg8°,Azm87°; P −5.23,Plg31°,Azm182°. Best double couple: $M_0$5.2×10^{19}Nm, NP1:ϕ_S298°,δ15°,λ122°. NP2:ϕ_S85°,δ77°,λ82°.

(710) Pakistan

ISC	**II**	**27 21 30 38.0**±.87	**30.04N**±.038	**67.97E**±.022	**43**±7.8	**5.8b,6.4s**	**498**	**3-145**	
MOS	II	27 21 30 36.1	30.0N	68.0E	28	6.4b			**¶97ii4016**
NEIC	II	27 21 30 36.5	29.99N	67.98E	33	6.0b			
BJI	II	27 21 30 36.8	30.07N	68.10E	28	5.9b,6.2s			
EIDC	II	27 21 30 38.6	29.9N	68.0E	35	5.5b			

NEIC Felt in the epicentral area.

(244) Taiwan

ISC	**II**	**27 22 38 06.2**±.92	**23.73N**±.097	**121.5E**±.15	**19**		**7**	**0-1**	
TAP	II	27 22 38 05.7	23.76N	121.41E	19	2.8L			**¶97ii4046**

TAP Felt I=III J

(366) Turkey

ISC	**II**	**28 00 03 52.2**±.72	**40.73N**±.018	**35.36E**±.021	**5**±4.8	**4.8b,5.0s**	**334**	**1-126**	
BJI	II	28 00 03 51.7	40.73N	35.30E	9	5.0b,5.3s			**¶97ii4068**
ISK	II	28 00 03 52.3	40.68N	35.30E	5	4.7D			
MOS	II	28 00 03 52.7	40.8N	35.4E	10	5.3b,4.2s			
NEIC	II	28 00 03 52.7	40.73N	35.38E	10	4.8b			
EIDC	II	28 00 03 53.1	40.8N	35.3E	0	4.6b,4.6L			

NEIC Slight damage to houses in Corum. Felt in Amasya, Ankara, Cankiri, Corum, Kastamonu, Kayseri, Samsun, Sinop and Tokat.

(391) Albania

ISC	**II**	**28 07 59 59.4**±.44	**41.58N**±.050	**20.49E**±.059	**6**		**23**	**1-4**	
PDG	II	28 07 59 57.7	41.4N	20.6E	6	3.3L,3.5D			**¶97ii4175**
SKO	II	28 07 59 58.2	41.70N	20.40E	10				
THE	II	28 08 00 02.2	41.5N	20.7E	1	2.5L			

SKO Felt I=III−IV MSK at Debar region

(221) Kuril Islands

ISC	**II**	**28 11 32 14**±1.3	**43.96N**±.022	**147.89E**±.029	**1**±7.7	**6.1b,5.6s**	**822**	**1-156**	
EIDC	II	28 11 32 17.3	44.1N	147.7E	14	5.6b,5.5s			**¶97ii4232**
BJI	II	28 11 32 18.0	44.12N	147.79E	27	6.1b,5.6s			
JMA	II	28 11 32 18.4±.3	43.70N±.02	147.82E±.03	6	5.6			
NEIC	II	28 11 32 18.9	43.92N	147.88E	33	6.1b,5.5s			
SKHL	II	28 11 32 21.0	43.9N±.07	147.8E±.16	48±8				
MOS	II	28 11 32 21.3	43.97N	147.85E	50				
HRVD	II	28 11 32 23.7±.2	43.95N±.01	148.08E±.02	37				

NEIC Mw5.9(HRV), Me5.7(GS)

NEIC Radiated energy from the P−wave first−motion solution: 8.4±2.5×10^{12}Nm/12

NEIC Mw 5.7 (GS). Felt I=IV MM at Kunashir and III MM at Iturup.

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ45°,λ90°. NP2:ϕ_S40°,δ45°,λ90°. Principal axes: T Plg90°,Azm0°; P Plg0°,Azm130°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s35, scale 10^{17}Nm; M_{rr}3.70; $M_{\theta\theta}$−1.49; $M_{\phi\phi}$−2.21; $M_{r\theta}$0.44; $M_{r\phi}$2.21; $M_{\theta\phi}$−1.05. Depth 34km; Principal axes: T 4.44,Plg72°,Azm273°; N −0.87,Plg8°, Azm28°; P −3.57,Plg16°,Azm120°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S222°,δ29°, λ106°. NP2:ϕ_S23°,δ62°,λ81°.

SKHL Felt I=IV MSK at Yuzhno−Kurilsk; I=III at Kurilsk

MOS Mb6.8/32, Ms5.8/22

MOS Felt I=IV MSK Yuzhno−Kurilsk, II−III Kurilsk

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c82; Mantle waves: s19,c24; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}4.99±.07; $M_{\theta\theta}$−1.48±.10; $M_{\phi\phi}$−3.50±.10; $M_{r\theta}$1.80±.17; $M_{r\phi}$3.39±.16; $M_{\theta\phi}$−3.27±.09. Principal Axes: T 6.23,Plg72°,Azm288°; N 0.88,Plg5°,Azm34°; P −7.11,Plg17°,Azm125°. Best double couple: $M_0$6.7×10^{17}Nm, NP1:ϕ_S223°,δ28°,λ101°. NP2:ϕ_S31°,δ63°,λ84°.

(344) North-Western Iran-USSR border region

ISC	**II**	**28 12 57 22.8**±.47	**38.09N**±.024	**48.04E**±.021	**39**±4.6	**5.5b,6.1s**	**589**	**1-154**	
MOS	II	28 12 57 18.1	38.0N	48.1E	10	6.1b,5.8s			**¶97ii4253**
BJI	II	28 12 57 18.6	38.36N	48.05E	8	5.4b,6.4s			
NEIC	II	28 12 57 18.6	38.08N	48.05E	10	5.5b,6.1s			
RYD	II	28 12 57 22.5	38.1N	47.8E	33	5.8D			
HRVD	II	28 12 57 24.0±.1	38.30N±.01	48.06E±.01	15				
EIDC	II	28 12 57 25.2	38.1N	48.0E	47	5.0b,6.0s			

NEIC Mw6.1(HRV), Mw6.0(GS)

NEIC At least 1,100 people killed, 2,600 injured, 36,000 homeless, 12,000 houses damaged or destroyed and 160,000 livestock killed in the Ardabil region of northwestern Iran. Severe damage to roads, electrical power lines, communications and water distribution systems in that area.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}1.44; $M_{\theta\theta}$−0.50; $M_{\phi\phi}$−0.94; $M_{r\theta}$2.28; $M_{r\phi}$−2.65; $M_{\theta\phi}$−9.23. Depth 23km; Principal axes: T 9.94,Plg22°,Azm45°; N 0.02,Plg68°, Azm220°; P −9.96,Plg2°,Azm314°. Best double couple: $M_0$1.0×10^{18}Nm; NP1:ϕ_S87°,δ73°, λ165°. NP2:ϕ_S182°,δ76°,λ17°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c91; Mantle waves: s40,c60; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.30±.01; $M_{\theta\theta}$−0.29±.01; $M_{\phi\phi}$0.59±.01; $M_{r\theta}$1.01±.06; $M_{r\phi}$0.26±.06; $M_{\theta\phi}$−1.30±.01. Principal Axes: T 1.62,Plg13°,Azm50°; N 0.24,Plg54°,Azm301°; P −1.85,Plg33°,Azm149°. Best double couple: $M_0$1.7×10^{18}Nm, NP1:ϕ_S184°,δ57°,λ−15°. NP2:ϕ_S283°,δ77°,λ−146°.

TAB Felt at Tabriz

(345) North-Western Iran

ISC	**II**	**28 13 56 04**±1.0	**38.22N**±.069	**47.93E**±.082	**47**±10	**4.2b,**4.7s	**45**	**1-79**	
NEIC	II	28 13 55 57.1	37.83N	47.87E	10	4.5b			**¶97ii4265**
MOS	II	28 13 55 57.5	38.0N	48.0E	10	4.9b			
EIDC	II	28 13 55 57.8	37.8N	47.8E	0	4.2b,3.5L			
BJI	II	28 13 55 58.6	38.13N	47.88E	7	4.8b			

NEIC Less reliable solution.

NEIC Felt in the Ardabil region.

(345) North-Western Iran

ISC	**II**	**28 20 55 14.7**±.96	**38.09N**±.064	**47.92E**±.088	**41**±11	**3.8b**	**32**	**1-79**	
BJI	II	28 20 55 08.5	37.91N	47.67E	5	4.5b			**¶97ii4336**
MOS	II	28 20 55 08.7	37.6N	47.9E	10	4.9b			
NEIC	II	28 20 55 09.7	37.92N	47.99E	10	4.2b			
EIDC	II	28 20 55 15.4	37.9N	48.0E	38	3.6b,2.9L			

NEIC Less reliable solution.

NEIC Felt in the Ardabil region.

(345) North-Western Iran

ISC	**II**	**28 21 46 22**±2.1	**38.16N**±.056	**47.98E**±.070	**18**±17	**3.8b,**4.4s	**43**	**1-85**	
BJI	II	28 21 46 19.5	37.11N	47.76E	26	4.6b,4.6s			**¶97ii4346**
NEIC	II	28 21 46 20.4	38.04N	47.80E	10	3.9b			
EIDC	II	28 21 46 21.3	38.0N	47.7E	0	4.0b,3.0L			
MOS	II	28 21 46 22.6	38.4N	48.2E	10	5.0b			

NEIC Less reliable solution.

NEIC Felt in the Ardabil region.

(710) Pakistan

ISC	**III**	**01 04 16 31**±2.6	**30.6N**±.13	**68.2E**±.12	**88**±24	**3.8b**	**18**	**5-87**	
NEIC	III	01 04 16 25.0	30.55N	68.01E	33	3.9b			**¶97iii0040**
EIDC	III	01 04 16 32.2	30.6N	68.2E	79	3.6b,4.2L			

NEIC Less reliable solution.

NEIC Felt at Sibi.

(321) Southern Xinjiang Province

ISC	**III**	**01 06 04 17.0**±.66	**39.43N**±.029	**76.83E**±.027	**44**±6.3	**5.0b,5.4s**	**391**	**1-155**	
NEIC	III	01 06 04 14.1	39.42N	76.84E	22	5.2b,5.5s			**¶97iii0058**
BJI	III	01 06 04 14.9	39.38N	76.84E	24	5.1b,5.8s			
MOS	III	01 06 04 16.2	39.4N	76.9E	33	5.6b,5.5s			
HRVD	III	01 06 04 19.4±.4	39.40N±.05	76.89E±.06	22				
EIDC	III	01 06 04 21.7	39.4N	76.8E	78	4.5b,5.3s			

NEIC Mw5.6(HRV)

NEIC Two people killed, six injured, 4,000 houses destroyed and 738 cattle killed in Jiashi County. Also felt at Kashi.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c48; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.97±.10; $M_{\theta\theta}$0.43±.16; $M_{\phi\phi}$0.55±.14; $M_{r\theta}$−0.40±.32; $M_{r\phi}$0.19±.28; $M_{\theta\phi}$3.30±.12. Principal Axes: T 3.79,Plg2°,Azm135°; N −0.89, Plg78°,Azm233°; P −2.90,Plg12°,Azm44°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S180°,δ80°,λ−173°. NP2:ϕ_S89°,δ83°,λ−10°.

(2) Southern Alaska

ISC	**III**	**01 19 20 38.2**±.28	**61.58N**±.025	**150.02W**±.047	**62**±7.4		**87**	**0-17**	
NEIC	III	01 19 20 39.5	61.59N	150.10W	44				**¶97iii0172**

NEIC M_L3.8(PMR), M_L3.7(AEIC). Felt, After AEIC.

NEIC Felt at Willow.

(358) Romania

ISC	**III**	**01 19 26 05.9**±.29	**45.71N**±.026	**26.65E**±.045	**118**±5.0	**3.9b**	**102**	**0-118**	
NEIC	III	01 19 26 05.4	45.78N	26.60E	115	4.0b			**¶97iii0173**
MOS	III	01 19 26 05.7	45.7N	26.6E	122	4.0b			
EIDC	III	01 19 26 06.6	45.8N	26.6E	104	3.7b			
BUC	III	01 19 26 09.6	45.62N	26.68E	81	4.4D			
THE	III	01 19 26 14.0	45.1N	26.1E	10	4.1L			
PDG	III	01 19 26 14.5	45.6N	25.6E	126	4.2L			

NEIC Felt slightly at Bucharest.

(95) Windward Islands

ISC	**III**	**01 20 52 48**±2.5	**11.0N**±.15	**62.0W**±.17	**122**±43		**10**	**0-4**	
TRN	III	01 20 52 48.0	10.9N	61.9W	137	3.9D			**¶97iii0186**

TRN Felt I=III MM at St. Augustine, Maracas and Fort George

(710) Pakistan

ISC	**III**	**02 03 58 25.1**±.67	**29.7N**±.10	**68.13E**±.064	**33**	**4.1b**	**40**	**3-88**	
MOS	III	02 03 58 22.9	29.3N	68.4E	33	4.7b			**¶97iii0236**
EIDC	III	02 03 58 23.2	29.6N	68.1E	12	4.0b,4.2L			
BJI	III	02 03 58 24.8	29.66N	68.48E	23	4.3b			
NEIC	III	02 03 58 25.0	29.66N	68.12E	33	4.3b			

NEIC Less reliable solution.

NEIC Felt in the Sibi area.

(9) Fox Islands

ISC	**III**	**02 17 39 16**±2.3	**53.50N**±.036	**166.79W**±.044	**9**±13	**5.4b,4.5s**	**406**	**4-155**	
BJI	III	02 17 39 16.5	53.85N	167.12W	12	5.2b,4.6s			**¶97iii0369**
HRVD	III	02 17 39 21.0±.9	53.23N±.09	166.06W±.12	74±6.7				
NEIC	III	02 17 39 22.0	53.54N	166.59W	57	5.4b			
EIDC	III	02 17 39 22.0	53.6N	166.8W	50	4.9b			
MOS	III	02 17 39 22.8	53.7N	166.6W	60	5.5b			

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c22; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}6.82±.49; $M_{\theta\theta}$−3.73±.60; $M_{\phi\phi}$−3.09±.60; $M_{r\theta}$−1.62±.73; $M_{r\phi}$−0.55±1.06; $M_{\theta\phi}$3.57±.89. Principal Axes: T 7.19,Plg77°,Azm148°; N −0.15,Plg12°,Azm311°; P −7.04,Plg3°,Azm42°. Best double couple: $M_0$7.1×10^{16}Nm, NP1: ϕ_S144°,δ43°,λ108°. NP2:ϕ_S301°,δ50°,λ74°.

NEIC M_L5.5(PMR), Mw5.2(HRV)

NEIC Felt I=IV MM at Unalaska. Also felt in the Dutch Harbor area.

(345) North-Western Iran

ISC	**III**	**02 18 29 48.6**±.56	**38.00N**±.033	**47.89E**±.026	**56**±5.6	**5.0b,4.8s**	**282**	**1-101**	
BJI	III	02 18 29 41.7	37.80N	47.81E	9	5.1b,5.1s			**¶97iii0378**
NEIC	III	02 18 29 42.5	37.86N	47.87E	10	5.1b,4.6s			
EIDC	III	02 18 29 42.8	37.9N	47.9E	0	4.7b,4.7L			
MOS	III	02 18 29 43.5	38.0N	48.0E	10	5.2b,4.6s			
HRVD	III	02 18 29 44.6±.7	37.86N	47.87E	15				

NEIC Mw5.3(HRV). Damage.

NEIC Additional damage to buildings in the Ardabil region.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c18; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}0.80±.84; $M_{\theta\theta}$−5.96±.98; $M_{\phi\phi}$5.16±.69; $M_{r\theta}$8.67±1.62; $M_{r\phi}$−0.83±1.77; $M_{\theta\phi}$−5.12±.90. Principal Axes: T 9.9,Plg33°,Azm52°; N 2.8, Plg41°,Azm287°; P −12.7,Plg31°,Azm166°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S200°,δ41°,λ2°. NP2:ϕ_S108°,δ89°,λ131°.

(710) Pakistan

ISC	**III**	**03 02 28 34**±1.2	**29.56N**±.064	**68.56E**±.035	**36**±10	**4.7b,4.7s**	**173**	**3-138**	
NEIC	III	03 02 28 33.2	29.58N	68.51E	33	4.7b,4.5s			**¶97iii0450**
MOS	III	03 02 28 33.9	29.7N	68.7E	33	5.1b,4.8s			
BJI	III	03 02 28 34.4	29.56N	68.66E	33	5.0b,5.0s			
EIDC	III	03 02 28 36.6	29.6N	68.5E	50	4.4b			

NEIC Felt in the Harnai-Sibi area and at Quetta.

(23) British Columbia

ISC	**III**	**03 07 15 04.9**±.85	**49.63N**±.069	**119.5W**±.11	**5**		**24**	**0-4**	
NEIC	III	03 07 15 04.7	49.70N	119.68W	5				**¶97iii0507**

NEIC M_L2.7(PGC), M_D2.7(SEA). Felt, After PGC.

NEIC Felt in the Kelowna-Penticton area.

(159) North Island, New Zealand

ISC	**III**	**03 10 20 10.7**±.44	**39.75S**±.040	**175.00E**±.080	**33**		**22**	**1-5**	
WEL	III	03 10 20 11.6	39.74S	175.07E	33	3.9L			**¶97iii0552**

WEL Felt I=IV MM Wanganui

(230) Near south coast of Honshū

ISC	**III**	**03 11 10 59.7**±.31	**34.92N**±.021	**139.25E**±.023	**22**±2.8	**4.4b,4.3s**	**211**	**0-149**	
BJI	III	03 11 10 56.7	34.85N	139.66E	21	4.5b,4.4s			**¶97iii0557**
EIDC	III	03 11 10 57.1	34.9N	139.4E	0	4.3b,4.0L			
NEIC	III	03 11 10 57.2	34.85N	139.27E	10	4.8b			
JMA	III	03 11 10 59.9±.1	34.96N±.01	139.18E±.01	4±2	4.4			
MOS	III	03 11 11 00.6	35.0N	139.2E	33	5.0b			

NEIC Felt I=IV J at Ito. Also felt on the Miura Peninsula.

JMA Felt I=IV J1

(341) Iran-USSR border region

ISC	**III**	**03 13 01 36.5**±.43	**37.61N**±.066	**57.30E**±.068	**10**	**4.1b,**4.3s	**47**	**2-92**	
MOS	III	03 13 01 35.8	37.5N	57.2E	10	4.5b			**¶97iii0580**
NEIC	III	03 13 01 36.4	37.60N	57.35E	10	4.1b			
EIDC	III	03 13 01 36.7	37.7N	57.2E	0	4.1b,4.6L			
BJI	III	03 13 01 41.4	36.95N	58.42E	5	4.6b			

NEIC Less reliable solution.

NEIC Additional damage in the Bojnurd area, Iran.

(230) Near south coast of Honshū
ISC III 03 14 09 42.5±.43 **34.95N**±.019 **139.21E**±.021 **2**±3.0 **4.5b,5.2s 241 0-149**
BJI III 03 14 09 35.6 34.88N 140.39E 10 4.8b,5.3s **¶97iii0598**
JMA III 03 14 09 43.2±.1 34.96N±.01 139.16E±.01 0±2 5.3
NEIC III 03 14 09 43.3 34.96N 139.15E 10 4.7b
EIDC III 03 14 09 43.3 35.0N 139.3E 0 4.3b,4.1L
MOS III 03 14 09 47.0 35.0N 139.1E 33 4.9b,5.1s
JMA Felt I=VI J1
NEIC Damage I=VII MM, landslide/avalanche observed.
NEIC One house destroyed by a landslide in the Ito area. Felt I=V J at Ito and IV J at Atami. Also felt on the Miura Peninsula and at Chiba, Tokyo and Yokohama.

(230) Near south coast of Honshū
ISC III 03 15 30 22.5±.31 **34.94N**±.020 **139.23E**±.021 **21**±2.7 **4.8b,4.8s 273 0-149**
BJI III 03 15 30 20.1 34.88N 139.68E 28 5.0b,4.9s **¶97iii0629**
EIDC III 03 15 30 20.1 34.9N 139.3E 0 4.6b,3.8L
NEIC III 03 15 30 20.2 34.88N 139.19E 10 5.0b
JMA III 03 15 30 22.5±.1 34.96N±.01 139.17E±.01 0 4.7
MOS III 03 15 30 23.1 34.9N 139.3E 33 5.3b,4.7s
NEIC Felt on the Miura Peninsula.
JMA Felt I=IV J1

(159) North Island, New Zealand
ISC III 03 17 27 33.5±.67 **40.11S**±.034 **175.35E**±.088 **21**±9.3 **26 1-5**
WEL III 03 17 27 33.4 40.09S 175.27E 12 4.3L **¶97iii0650**
WEL Felt I=IV MM Wanganui to Marton

(456) Montana
ISC III 03 20 15 13±1.5 **47.8N**±.11 **114.11W**±.091 **5** **12 0-3**
NEIC III 03 20 15 13.4 47.84N 114.12W 5 **¶97iii0688**
NEIC M_L2.8(BUT). Felt, After BUT.
NEIC Felt at Rollins.

(230) Near south coast of Honshū
ISC III 04 03 51 26.9±.42 **34.94N**±.018 **139.18E**±.020 **14**±2.6 **5.2b,5.4s 452 0-163**
BJI III 04 03 51 25.6 35.03N 139.40E 18 5.2b,5.7s **¶97iii0769**
NEIC III 04 03 51 25.8 34.89N 139.04E 10 5.3b,5.3s
EIDC III 04 03 51 25.9 34.9N 139.3E 0 4.9b,5.3s
JMA III 04 03 51 27.2±.1 34.95N±.01 139.17E±.01 3±2 5.7
HRVD III 04 03 51 29.3±.4 34.93N±.05 139.21E±.06 15
MOS III 04 03 51 29.4 35.0N 139.2E 33 5.6b,5.6s
NEIC Mw5.6(HRV). Casualties I=VI MM.
NEIC Three people slightly injured at Ito. Felt I=IV J at Ito, III J at Yokohama and Yokosuka, II J at Tokyo and I J at Kofu and Urawa.
JMA Felt I=IV J1
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c38; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.06; $M_{\theta\theta}$1.64±.08; $M_{\phi\phi}$−2.19±.10; $M_{r\theta}$0.73±.21; $M_{r\phi}$1.49±.25; $M_{\theta\phi}$−1.49±.07. Principal Axes: T 2.20,Plg11°,Azm15°; N 1.20, Plg65°,Azm261°; P −3.39,Plg23°,Azm110°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: ϕ_S151°,δ66°,λ−9°. NP2:ϕ_S244°,δ82°,λ−156°.

(710) Pakistan
ISC III 04 13 03 47±1.7 **29.40N**±.039 **68.78E**±.023 **24**±12 **5.3b,5.8s 476 2-146**
EIDC III 04 13 03 44.0 29.3N 68.7E 0 5.1b,5.2L **¶97iii0849**
HRVD III 04 13 03 46.7±.3 28.95N±.02 68.65E±.03 33
NEIC III 04 13 03 47.8 29.42N 68.79E 33 5.4b,5.8s
MOS III 04 13 03 48.3 29.5N 68.9E 33 5.7b,5.7s
BJI III 04 13 03 49.4 29.50N 68.82E 38 5.4b,6.0s
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c53; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.07; $M_{\theta\theta}$−4.69±.09; $M_{\phi\phi}$3.97±.11; $M_{r\theta}$−0.89±.19; $M_{r\phi}$−0.92±.20; $M_{\theta\phi}$0.75±.10. Principal Axes: T 4.31,Plg16°,Azm96°; N 0.56, Plg72°,Azm247°; P −4.88,Plg8°,Azm4°. Best double couple: $M_0$4.6×10^{17}Nm, NP1:ϕ_S139°, δ73°,λ175°. NP2:ϕ_S231°,δ85°,λ17°.
NEIC Mw5.7(GS), Mw5.7(HRV). Casualties.
NEIC At least one person injured and additional damage at Sibi. Felt at Quetta.
NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}0.27; $M_{\theta\theta}$−4.48; $M_{\phi\phi}$4.21; $M_{r\theta}$−1.37; $M_{r\phi}$−0.81; $M_{\theta\phi}$−0.58. Depth 13km; Principal axes: T 4.38,Plg11°,Azm88°; N 0.53,Plg71°, Azm211°; P −4.91,Plg15°,Azm355°. Best double couple: $M_0$4.6×10^{17}Nm; NP1:ϕ_S132°,δ72°, λ−176°. NP2:ϕ_S41°,δ87°,λ−19°.

(366) Turkey
ISC III 04 14 23 00.9±.77 **39.29N**±.059 **40.72E**±.068 **46**±7.7 **4.1b**,4.5s **55 1-77**
NEIC III 04 14 22 54.2 39.16N 41.05E 10 4.2b **¶97iii0860**
BJI III 04 14 22 54.5 38.71N 40.70E 13 4.7b
MOS III 04 14 22 58.2 39.4N 40.7E 10 4.4b
ISK III 04 14 22 59.7 39.27N 40.65E 10 6.0D
EIDC III 04 14 23 20.7 39.3N 39.9E 211 3.6b
NEIC Less reliable solution.
NEIC Felt in Bingol, Erzurum and Tunceli.

(230) Near south coast of Honshū
ISC III 04 14 28 23.2±.48 **34.94N**±.024 **139.17E**±.027 **13**±3.9 **3.7b 93 0-67**
NEIC III 04 14 28 20.2 34.78N 139.02E 10 3.4b **¶97iii0861**
EIDC III 04 14 28 20.9 34.9N 139.1E 0 3.6b,3.8L
JMA III 04 14 28 23.6±.1 34.95N±.01 139.17E±.01 2±2 3.7
NEIC Felt I=V MM, Less reliable solution.
NEIC Felt I=III J at Atami and Ito.

(716) Kirgiziya
ISC III 05 09 35 11.2±.69 **41.22N**±.033 **75.77E**±.037 **42**±6.8 **4.7b,4.3s 161 0-155**
MOS III 05 09 35 09.9 41.3N 75.8E 25 5.2b,4.7s **¶97iii1030**
BJI III 05 09 35 09.9 41.43N 75.77E 32 5.2L,4.8b
NEIC III 05 09 35 10.2 41.20N 75.73E 33 4.8b,4.8s
EIDC III 05 09 35 15.3 41.2N 75.8E 69 4.4b,4.2s
MOS Felt I=IV−V MSK at Ak−Muz, Pogranichnik, Taldi−Suuz ; I=IV at Naryn; I=III at Bishkek; I=II−III at Alma−Ata.
BJI Ms4.5

(244) Taiwan
ISC III 05 10 01 06±1.7 **24.28N**±.069 **121.8E**±.21 **8**±10 **11 0-1**
TAP III 05 10 01 06.3 24.31N 121.72E 13 2.8L **¶97iii1032**
TAP Felt I=III J

(230) Near south coast of Honshū
ISC III 05 10 23 33.7±.48 **34.95N**±.025 **139.21E**±.029 **12**±4.1 **3.7b 77 0-59**
NEIC III 05 10 23 30.1 34.77N 139.36E 10 **¶97iii1037**
EIDC III 05 10 23 31.1 34.8N 139.0E 0 3.7b,3.9L
JMA III 05 10 23 34.2±.0 34.95N±.01 139.17E±.01 6±1 3.6
NEIC Felt I=V MM, Poor solution.
NEIC Felt I=III J at Ito and Kawana.

(218) Near east coast of Kamchatka
ISC III 05 12 20 19.8±.47 **52.47N**±.047 **158.97E**±.061 **73**±3.6 **4.7b 176 0-145**
BJI III 05 12 20 14.1 52.81N 158.51E 20 4.5b **¶97iii1056**
NEIC III 05 12 20 15.4 52.56N 158.94E 33 5.0b
MOS III 05 12 20 18.7 52.5N 159.0E 63 5.1b
KRSC III 05 12 20 20.3 52.44N 159.18E 33 4.5b
EIDC III 05 12 20 20.8 52.6N 158.9E 69 4.3b,4.1s
MOS Felt I=II−III MSK Petropavlovsk−Kamchatskiy

(377) Spain
ISC III 05 12 40 24.2±.63 **41.74N**±.043 **2.07E**±.055 **2** **31 0-5**
LDG III 05 12 40 24.6 41.7N 2.1E 2 3.1L **¶97iii1060**
FBR III 05 12 40 25.2 41.71N 2.07E 3 2.5D
NEIC III 05 12 40 25.6 41.77N 2.18E 10
MDD III 05 12 40 25.9 41.71N 2.07E 1 3.2
FBR Felt I=III MSK Manresa
NEIC mbLg3.0(MDD).

(230) Near south coast of Honshū
ISC III 05 13 43 28.0±.45 **34.94N**±.021 **139.16E**±.022 **13**±3.3 **4.3b,4.3s 194 0-149**
BJI III 05 13 43 23.1 34.84N 140.25E 36 4.7b,4.5s **¶97iii1069**
EIDC III 05 13 43 26.0 34.9N 139.3E 0 4.2b,4.1L
NEIC III 05 13 43 26.3 34.78N 139.05E 10 4.6b,4.2s
JMA III 05 13 43 28.6±.0 34.96N±.01 139.16E±.01 3±1 4.3
MOS III 05 13 43 29.4 34.9N 139.2E 33 5.1b
NEIC Less reliable solution.
JMA Felt I=VI J1

(244) Taiwan
TAP III 05 18 30 15.8 24.36N 121.73E 15 2.6L ¶97iii1113
TAP Felt I=II J

(39) Central California
ISC III 05 23 38 08.6±.96 **37.97N**±.062 **121.98W**±.086 **11**±10 **15 0-1**
NEIC III 05 23 38 08.6 37.95N 122.01W 11 **¶97iii1150**
NEIC M_D2.4(GM), M_L2.3(BRK). Felt, After GM−P.
NEIC Felt at Concord, Martinez and Walnut Creek.

(218) Near east coast of Kamchatka
ISC III 06 06 19 36.4±.45 **52.47N**±.041 **158.95E**±.053 **73**±3.6 **4.8b 212 0-148**
BJI III 06 06 19 30.9 52.79N 158.73E 27 4.6b **¶97iii1212**
NEIC III 06 06 19 32.0 52.56N 158.92E 33 5.1b
MOS III 06 06 19 35.8 52.5N 159.1E 66 5.2b
KRSC III 06 06 19 36.4 52.39N 159.14E 46 4.9b
EIDC III 06 06 19 37.7 52.6N 158.7E 72 4.4b,3.8s
MOS FeltI=II−III MSK Petropavlovsk−Kamchatskiy

(550) North-West Africa
ISC III 06 15 16 32.7±.44 **5.59N**±.060 **0.23W**±.078 **10** **4.4b 48 5-96**
NEIC III 06 15 16 32.0 5.52N 0.31W 10 4.4b **¶97iii1301**
EIDC III 06 15 16 32.7 5.6N 0.3W 0 4.2b,4.0L
NEIC Seven people injured and power outages occurred in the Accra area, Ghana.

(230) Near south coast of Honshū
ISC III 06 17 36 08.8±.46 **34.96N**±.023 **139.19E**±.025 **12**±3.8 **3.8b**,3.6s **121 0-149**
NEIC III 06 17 36 07.4 34.96N 139.31E 10 3.5b **¶97iii1321**
EIDC III 06 17 36 08.6 35.1N 139.3E 0 3.9b,3.5L
JMA III 06 17 36 09.2±.1 34.96N±.01 139.16E±.01 3±2 3.9
NEIC Poor solution.
JMA Felt I=IV J1

(230) Near south coast of Honshū
ISC III 06 22 29 57.9±.48 **34.96N**±.024 **139.18E**±.027 **11**±4.0 **3.6b 91 0-56**
NEIC III 06 22 29 54.9 34.82N 139.16E 10 **¶97iii1366**
EIDC III 06 22 29 55.6 35.0N 139.2E 0 3.6b,3.2L
JMA III 06 22 29 58.4±.1 34.96N±.01 139.15E±.01 5±1 3.6
NEIC Less reliable solution.
JMA Felt I=IV J1

(230) Near south coast of Honshū
ISC III 07 07 33 21.4±.44 **34.95N**±.021 **139.17E**±.022 **12**±3.1 **4.4b,4.5s 210 0-149**
EIDC III 07 07 33 19.3 34.9N 139.3E 0 4.1b,4.3s **¶97iii1458**
BJI III 07 07 33 19.5 34.88N 139.56E 22 4.7b,4.8s
NEIC III 07 07 33 19.9 34.82N 139.10E 10 4.6b
JMA III 07 07 33 21.9±.1 34.96N±.01 139.15E±.01 1±1 4.5
MOS III 07 07 33 23.0 34.8N 139.3E 33 4.7b
JMA Felt I=VI J1

(230) Near south coast of Honshū
ISC III 07 12 35 50.4±.71 **34.98N**±.071 **139.20E**±.078 **27**±6.6 **4.1b,4.1s 46 0-93**
NEIC III 07 12 35 44.6 34.76N 139.15E 10 4.3b **¶97iii1513**
BJI III 07 12 35 46.3 35.01N 139.69E 14 4.6b,4.3s
EIDC III 07 12 35 46.9 34.9N 139.3E 13 4.0b,4.1s
MOS III 07 12 35 50.4 34.5N 139.0E 57 4.7b
JMA III 07 12 35 51.3±.2 34.96N±.01 139.17E±.02 3±5 4.3
JMA Felt I=IV J1

(99) Northern Colombia
ISC III 07 17 27 56.2±.33 **6.76N**±.032 **72.95W**±.029 **166**±3.8 **4.7b 219 0-179**
NEIC III 07 17 27 55.5 6.76N 72.96W 160 4.7b **¶97iii1558**
MOS III 07 17 27 56.9 6.8N 73.0W 162 5.2b
EIDC III 07 17 27 57.1 6.7N 73.0W 160 4.7b
BJI III 07 17 27 57.5 7.33N 73.83W 157
IGQ III 07 17 28 17.9 2.0N 77.1W 146 5.3b
NEIC Felt in Antioquia and Santander Departments.
BOG Magnitude 4.6, felt at Bucaramanga, San Gil

(244) Taiwan
ISC III 07 19 53 11.6±.90 **24.36N**±.042 **121.8E**±.10 **4**±9.9 **15 0-2**
TAP III 07 19 53 11.0 24.35N 121.74E 14 3.4L **¶97iii1591**
TAP Felt I=III J

(243) Taiwan region
ISC III 07 23 36 07.2±.83 **22.01N**±.054 **121.47E**±.070 **29**±6.4 **3.5b 27 0-57**
EIDC III 07 23 36 05.7 21.9N 121.7E 0 3.6b,4.0L **¶97iii1623**
TAP III 07 23 36 07.8 22.11N 121.37E 13 4.2L
NEIC III 07 23 36 08.3 21.84N 121.63E 33
TAP Felt I=III J Lanyu
NEIC Single network solution.

(43) Southern California
ISC III 08 00 44 17.4±.91 **34.03N**±.053 **117.56W**±.058 **2**±7.3 **27 0-3**
NEIC III 08 00 44 17.6 34.00N 117.58W 3 **¶97iii1631**
NEIC M_D3.0(PAS), M_L3.0(GS). Felt, After PAS.
NEIC Felt in the Ontario area.

(244) Taiwan
ISC III 08 02 19 13±1.6 **23.83N**±.050 **121.8E**±.11 **2**±12 **14 0-2**
TAP III 08 02 19 14.3 23.93N 121.60E 11 3.4L **¶97iii1643**
TAP Felt I=II J Hwalien

(230) Near south coast of Honshū
ISC III 08 14 53 21.3±.48 **34.96N**±.024 **139.18E**±.026 **12**±3.8 **3.9b 99 0-84**
NEIC III 08 14 53 19.1 34.84N 139.18E 10 3.6b **¶97iii1770**
EIDC III 08 14 53 19.1 34.9N 139.3E 0 3.9b,3.6L
JMA III 08 14 53 21.7±.0 34.96N±.01 139.16E±.01 3±1 4.0
NEIC Less reliable solution.
JMA Felt I=IV J1

(383) Northwestern Balkan region
ISC III 08 18 53 38.1±.61 **45.97N**±.037 **15.55E**±.049 **2**±5.6 **48 0-6**
NEIC III 08 18 53 37.5 45.87N 15.71E 10 **¶97iii1814**
LJU III 08 18 53 38.7 46.0N 15.5E 7
ZAG III 08 18 53 39 45.89N 15.51E 12 3.2L
SZGRF III 08 18 53 39.5 45.95N 15.67E 10 3.5L
ROM III 08 18 53 45.9 45.8N 14.9E 3 3.1D
NEIC $MD_{3.6}$(LJU), $ML_{3.4}$(VIE)
NEIC Felt I=IV MM at Brezice and Krsko, Slovenia. Also felt IV MM at Zapresic, Croatia
LJU FeltI= V EMS in Gornji Lenart, Arnovo selo, Artice, Trebez, Zgornja Pohanca, Anovec,

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	Dolenja vas, Zdole and Vihre, Slovenia.						
ZAG	Felt in Harmica, Croatia; Dobova, Slovenia						
	(7) Andreanof Islands						
ISC	**III 09 04 50 49**±1.0	**51.45N**±.061	**178.05W**±.045	**57**±8.8	**4.8b,4.1s**	**166**	**1-154**
BJI	III 09 04 50 47.1	51.34N	177.81W	60	5.0b,4.5s		**¶97iii1906**
NEIC	III 09 04 50 48.7	51.45N	178.03W	56	4.8b		
MOS	III 09 04 50 48.8	51.5N	178.0W	50	5.0b		
EIDC	III 09 04 50 50.3	51.4N	177.9W	55	4.1b,4.0s		
NEIC	$M_{L4.7}$(PMR)						
NEIC	Felt I=III MM on Adak.						
	(135) Near coast of Central Chile						
ISC	**III 09 11 43 44.9**±.66	**29.68S**±.037	**71.11W**±.048	**42**±6.6	**5.4b,5.7s**	**270**	**3-176**
BJI	III 09 11 43 43.2	29.80S	71.20W	33	6.1s		**¶97iii1949**
NEIC	III 09 11 43 43.2	29.82S	71.15W	33	5.5b,5.7s		
MOS	III 09 11 43 44.3	29.6S	71.4W	33	5.6b,5.8s		
EIDC	III 09 11 43 45.1	29.7S	71.2W	34	5.2b,6.1s		
HRVD	III 09 11 43 51.8±.1	29.91S±.01	71.52W±.01	43			
NEIC	Mw6.2(HRV), Me5.6(GS). avalanche observed.						
NEIC	Radiated energy from the P−wave first−motion solution: 6.2±1.5×10^{12}Nm/10						
NEIC	Mw 6.1 (GS). Some damage to houses and landslides occurred in the La Serena area. Felt at Santiago. Also felt I=II MM at Mendoza, Argentina. Mo=1.8×10^{18}Nm (PPT).						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ45°,λ105°. NP2:ϕ_S339°,δ47°,λ75°. Principal axes: T Plg79°,Azm175°; P Plg1°,Azm79°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s43, scale 10^{18}Nm; M_{rr}1.65; $M_{\theta\theta}$0.15; $M_{\phi\phi}$−1.81; $M_{r\theta}$−0.24; $M_{r\phi}$−0.18; $M_{\theta\phi}$−0.22. Depth 41km; Principal axes: T 1.70,Plg81°,Azm165°; N 0.14,Plg8°, Azm7°; P −1.84,Plg3°,Azm277°. Best double couple: $M_0$1.8×10^{18}Nm; NP1:ϕ_S358°,δ42°, λ78°. NP2:ϕ_S195°,δ49°,λ101°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c85; Mantle waves: s39,c54; Half duration: 3s0. Moment tensor: Scale 10^{18}Nm; M_{rr}1.89±.02; $M_{\theta\theta}$0.00±.02; $M_{\phi\phi}$−1.89±.02; $M_{r\theta}$−0.21±.03; $M_{r\phi}$−0.79±.03; $M_{\theta\phi}$−0.30±.02. Principal Axes: T 2.06,Plg78°,Azm111°; N 0.05,Plg2°,Azm10°; P −2.10,Plg11°,Azm279°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_S6°,δ34°,λ86°. NP2:ϕ_S191°,δ57°,λ93°.						
	(662) Sakhalin						
SKHL	**III 09 13 03 47.8**	**53.89N**±.03	**142.69E**±.07	**10**±2			**¶97iii1970**
SKHL	K7.6. Felt I=III−IV MSK at Kolendo; I=II at Nekrasovka, Moskalvo						
	(558) Ethiopia						
ISC	**III 09 17 40 18.0**±.23	**11.71N**±.031	**43.51E**±.033	**3**	**4.7b,5.3s**	**161**	**0-128**
MOS	III 09 17 40 18.2	11.6N	43.4E	10	5.7b,5.5s		**¶97iii2032**
NEIC	III 09 17 40 18.3	11.70N	43.55E	10	4.8b,5.0s		
EIDC	III 09 17 40 18.3	11.8N	43.4E	0	4.5b,5.2s		
BJI	III 09 17 40 19.1	11.97N	43.37E	11	5.1b,5.6s		
ARO	III 09 17 40 19.6	11.9N	43.3E	3±2.0	5.0_L		
HRVD	III 09 17 40 23.4±.3	12.04N±.02	43.75E±.04	15			
NEIC	Mw5.5(HRV)						
NEIC	Felt in Djibouti.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c41; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.32±.07; $M_{\theta\theta}$2.74±.07; $M_{\phi\phi}$−1.42±.10; $M_{r\theta}$−0.54±.18; $M_{r\phi}$−0.10±.12; $M_{\theta\phi}$−0.31±.07. Principal Axes: T 2.83,Plg7°,Azm184°; N −1.28,Plg51°,Azm85°; P −1.56,Plg38°,Azm280°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_S315°,δ58°,λ−24°. NP2:ϕ_S58°,δ70°,λ−146°.						
	(710) Pakistan						
ISC	**III 09 18 50 06**±1.9	**29.7N**±.11	**68.17E**±.075	**37**±17	**3.8b**	**30**	**1-88**
EIDC	III 09 18 50 01.7	29.7N	68.2E	0	3.9b		**¶97iii2053**
BJI	III 09 18 50 04.9	29.74N	68.30E	27	4.6b		
NEIC	III 09 18 50 05.6	29.86N	68.05E	33	3.9b		
MOS	III 09 18 50 08.0	30.0N	68.4E	33	4.5b		
NEIC	Less reliable solution.						
NEIC	Felt at Sibi.						
	(36) Northern California						
ISC	**III 10 02 10 56**±1.5	**40.9N**±.12	**123.9W**±.34	**32**±22		**8**	**0-3**
NEIC	III 10 02 10 56.7	40.88N	123.82W	25			**¶97iii2130**
NEIC	M_L3.0(BRK), M_D2.9(GM). Felt, After GM−P.						
NEIC	Felt at Indianola and Trinidad.						
	(135) Near coast of Central Chile						
ISC	**III 10 03 53 01.7**±.76	**29.72S**±.045	**71.14W**±.057	**45**±7.7	**5.1b,5.1s**	**179**	**3-176**
BJI	III 10 03 53 00.3	29.70S	71.10W	33	5.7s		**¶97iii2140**
NEIC	III 10 03 53 00.3	29.68S	71.14W	33	5.2b,5.1s		
EIDC	III 10 03 53 01.1	29.8S	71.2W	31	5.0b,4.8_L		
MOS	III 10 03 53 01.2	29.8S	71.4W	33	5.5b		
HRVD	III 10 03 53 08.3±.2	30.11S±.02	71.58W±.02	50±1.5			
NEIC	Mw5.6(HRV). avalanche observed.						
NEIC	Some damage to older buildings at Coquimbo. Felt strongly at La Serena. Landslides occurred near La Serena. Felt I=II MM at Santiago.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c56; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}3.56±.07; $M_{\theta\theta}$−0.66±.14; $M_{\phi\phi}$−2.90±.12; $M_{r\theta}$0.11±.14; $M_{r\phi}$−0.80±.12; $M_{\theta\phi}$−0.28±.09. Principal Axes: T 3.67,Plg83°,Azm75°; N −0.64, Plg3°,Azm186°; P −3.03,Plg7°,Azm277°. Best double couple: $M_0$3.3×10^{17}Nm, NP1:ϕ_S10°, δ38°,λ94°. NP2:ϕ_S184°,δ52°,λ87°.						
	(243) Taiwan region						
ISC	**III 10 07 33 39.6**±.33	**24.12N**±.027	**122.30E**±.033	**46**±3.9	**4.5b,4.6s**	**95**	**1-85**
TAP	III 10 07 33 37.2	24.08N	122.34E	9	5.1_L		**¶97iii2168**
MOS	III 10 07 33 38.0	24.3N	122.3E	33	5.1b,4.6s		
JMA	III 10 07 33 39.4±.5	24.36N±.05	122.23E±.04	50	5.0		
NEIC	III 10 07 33 44.1	24.18N	122.36E	84	4.7b		
EIDC	III 10 07 33 46.7	24.2N	122.3E	95	4.2b		
BJI	III 10 07 33 47.1	24.50N	121.93E	84	4.5b,4.7s		
TAP	Felt I=III J, I Ilan						
	(159) North Island, New Zealand						
ISC	**III 10 08 49 40.2**±.42	**39.91S**±.042	**175.21E**±.089	**81**		**24**	**0-4**
WEL	III 10 08 49 41.1	39.91S	175.23E	81	3.9_L		**¶97iii2178**
WEL	Felt I=IV MM Marton						
	(383) Northwestern Balkan region						
ISC	**III 10 13 54 34**±1.3	**41.0N**±.10	**21.1E**±.12	**11**		**4**	**0-1**
SKO	III 10 13 54 32.8	40.93N	21.10E	11			**¶97iii2219**
ISC	Poorly determined						
SKO	Felt I=III−IV MSK in Resen region						
	(103) Colombia						
ISC	**III 10 14 17 45**±1.4	**5.23N**±.046	**72.79W**±.034	**29**±11	**4.8b,4.8s**	**158**	**1-155**
NEIC	III 10 14 17 44.9	5.22N	72.81W	33	4.9b,4.8s		**¶97iii2227**
BJI	III 10 14 17 45.1	5.30N	72.73W	35	5.5s		
EIDC	III 10 14 17 59.0	5.0N	73.1W	157	4.2b		
BOG	Magnitude 4.2, felt Bogota, Bucaramanga, Tunja, Sogamoso						
	(244) Taiwan						
ISC	**III 10 16 07 49**±1.0	**24.44N**±.050	**121.7E**±.13	**7**±11		**11**	**0-1**
TAP	III 10 16 07 47.8	24.44N	121.76E	8	2.5_L		**¶97iii2241**
TAP	Felt I=IV J						
	(39) Central California						
ISC	**III 11 06 30 16**±1.2	**37.71N**±.056	**122.6W**±.12	**20**±7.8		**19**	**0-4**
NEIC	III 11 06 30 16.3	37.71N	122.57W	5			**¶97iii2323**
NEIC	M_L3.6(BRK), M_L3.6(GS). Felt, After GM−P.						
NEIC	MD 3.5 (GM). Felt throughout the San Francisco Bay area from Marin County to Monterey including Corte Madera, Daly City, Larkspur, Little Hollywood, Noe Valley, Oakland, Salinas, San Jose, San Rafael, South San Francisco, Terra Linda and Twin Cities.						
	(39) Central California						
ISC	**III 11 06 33 53**±1.4	**37.69N**±.061	**122.6W**±.13	**19**±10		**20**	**0-3**
NEIC	III 11 06 33 53.4	37.71N	122.57W	5			**¶97iii2324**
NEIC	M_L3.6(BRK), M_D3.5(GM). Felt, After GM−P.						
NEIC	Felt throughout the San Francisco Bay area from Marin County to Monterey including Corte Madera, Daly City, Larkspur, Little Hollywood, Noe Valley, Oakland, Salinas, San Jose, San Rafael, South San Francisco, Terra Linda and Twin Cities.						
	(219) Off east coast of Kamchatka						
ISC	**III 11 07 39 19.0**±.59	**51.84N**±.035	**159.24E**±.042	**45**±4.8	**5.1b,5.0s**	**376**	**1-145**
BJI	III 11 07 39 16.0	52.12N	159.02E	26	5.1b,5.1s		**¶97iii2336**
MOS	III 11 07 39 17.8	51.9N	159.3E	33	5.4b,5.1s		
NEIC	III 11 07 39 17.8	51.92N	159.32E	33	5.3b,5.0s		
KRSC	III 11 07 39 18.9	51.81N	159.27E	35	5.2b		
EIDC	III 11 07 39 21.2	52.0N	159.1E	48	4.4b,4.9s		
MOS	Felt I=II−III MSK at Petropavlovsk−Kamchatsky.						
	(244) Taiwan						
ISC	**III 11 09 29 41**±1.9	**22.37N**±.091	**120.1E**±.14	**46**±22		**19**	**0-3**
TAP	III 11 09 29 40.3	22.35N	120.06E	33	4.3_L		**¶97iii2351**
TAP	Felt I=III Kaohsiung,I at Shoushan						
	(244) Taiwan						
ISC	**III 11 13 12 18.5**±.97	**23.72N**±.061	**121.45E**±.099	**5**±11		**11**	**0-2**
TAP	III 11 13 12 18.2	23.77N	121.44E	13	2.7_L		**¶97iii2380**
TAP	Felt I=II J						
	(499) Oklahoma						
ISC	**III 11 13 30 31**±1.5	**34.72N**±.085	**97.50W**±.091	**4**±13		**8**	**0-4**
NEIC	III 11 13 30 30.9	34.72N	97.50W	5			**¶97iii2383**
TUL	III 11 13 30 32.2	34.7N	97.5W	5	2.6_L,2.5b		
NEIC	mbLg2.5(GS)						
NEIC	Felt in the area 5 to 10 km south of Maysville.						
TUL	Felt I=III MM						
	(499) Oklahoma						
TUL	**III 11 13 43 59.9**	**34.7N**	**97.4W**	**5**	**2.1_D**		**¶97iii2384**
TUL	Felt I=II MM						
	(248) Philippine Islands region						
ISC	**III 11 19 22 00**±3.6	**7.76N**±.033	**127.67E**±.041	**8**±21	**6.3b,6.6s**	**388**	**2-171**
NEIC	III 11 19 22 00.1	7.74N	127.65E	10	6.3b,6.7s		**¶97iii2433**
BJI	III 11 19 22 01.0	7.72N	127.39E	10	6.0b,6.6s		
MOS	III 11 19 22 04.2	7.8N	127.7E	36	6.7b,6.4s		
HRVD	III 11 19 22 10.2±.1	7.64N±.01	127.63E±.01	15			
EIDC	III 11 19 22 10.3	7.8N	127.6E	75	5.7b,6.6s		
NEIC	Me7.2(GS), Mw6.9(GS). Damage.						
NEIC	Radiated energy from the P−wave first−motion solution: 1.4±0.3×10^{15}Nm/12						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S205°,δ72°,λ−35°. NP2:ϕ_S307°,δ57°, λ−158°. Principal axes: T Plg10°,Azm259°; P Plg37°,Azm162°. Complex event observed on broadband displacement seismograms.						
NEIC	Mw 6.9 (HRV). Ms 6.7 (BRK). Some damage to buildings in the Cagayan de Oro area. Felt I=V RF at Bislig, IV RF at Cagayan de Oro and Davao, III RF at Surigao and II RF at General Santos. Mo=6.7×10^{19}Nm (PPT).						
NEIC	Moment tensor solution: s25, scale 10^{19}Nm; M_{rr}−1.06; $M_{\theta\theta}$0.06; $M_{\phi\phi}$1.00; $M_{r\theta}$0.44; $M_{r\phi}$2.07; $M_{\theta\phi}$−0.04. Depth 5km; Principal axes: T 2.30,Plg32°,Azm276°; N 0.11,Plg5°,Azm9°; P −2.40,Plg57°,Azm107°. Best double couple: $M_0$2.3×10^{19}Nm; NP1:ϕ_S348°,δ14°,λ−112°. NP2: ϕ_S190°,δ77°,λ−85°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c116; Mantle waves: s55,c127; Half duration: 6s5. Moment tensor: Scale 10^{19}Nm; M_{rr}−2.12±.01; $M_{\theta\theta}$−0.06±.01; $M_{\phi\phi}$2.17±.01; $M_{r\theta}$0.00±.04; $M_{r\phi}$0.55±.04; $M_{\theta\phi}$−0.30±.01. Principal Axes: T 2.28,Plg7°,Azm263°; N −0.09,Plg2°,Azm353°; P −2.19,Plg83°,Azm97°. Best double couple: $M_0$2.2×10^{19}Nm, NP1:ϕ_S351°,δ38°,λ−93°. NP2:ϕ_S174°,δ52°,λ−88°.						
	(244) Taiwan						
TAP	**III 12 01 07 15.0**	**24.42N**	**121.72E**	**3**	**1.4_L**		**¶97iii2462**
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**III 12 13 51 22.6**±.92	**24.35N**±.038	**121.90E**±.070	**4**±8.5	3.5b	**22**	**0-83**
TAP	III 12 13 51 23.1	24.38N	121.83E	12	3.5_L		**¶97iii2546**
TAP	Felt I=IV J						
	(244) Taiwan						
ISC	**III 12 14 08 57**±1.2	**24.44N**±.073	**121.7E**±.13	**9**		**6**	**0-1**
TAP	III 12 14 08 55.8	24.44N	121.74E	9	2.0_L		**¶97iii2548**
TAP	Felt I=III J						
	(160) Off east coast of North Island, N.Z.						
ISC	**III 12 15 30 38**±1.3	**37.04S**±.078	**179.0E**±.15	**141**±7.2	**4.6b**	**90**	**1-176**
MOS	III 12 15 30 25.0	36.1S	179.3E	33	5.2b		**¶97iii2554**
NEIC	III 12 15 30 26.9	36.22S	179.45E	60	5.0b		
EIDC	III 12 15 30 27.9	36.2S	179.4E	60	4.3b,4.3s		
WEL	III 12 15 30 29.0	36.10S	179.50E	12	5.7_L		
NEIC	Less reliable solution.						
WEL	Felt Whakatane.						
	(73) El Salvador						
ISC	**III 12 18 02 00.1**±.81	**13.4N**±.14	**88.8W**±.14	**71**±4.9	**4.0b**	**34**	**0-147**
NEIC	III 12 18 01 59.7	13.23N	89.06W	72			**¶97iii2568**
EIDC	III 12 18 02 02.3	13.4N	88.9W	82	3.7b		
NEIC	M_D3.9(SSS). Less reliable solution.						
NEIC	Felt I=II MM at San Salvador.						
	(3) Bering Sea						
ISC	**III 12 18 29 38.0**±.28	**62.92N**±.054	**170.68W**±.062	**10**	**4.4b,4.3s**	**104**	**3-97**
BJI	III 12 18 29 36.0	62.82N	170.75W	10	4.7b,5.0s		**¶97iii2574**
EIDC	III 12 18 29 36.8	62.6N	170.6W	0	4.1b,4.1s		
NEIC	III 12 18 29 37.6	62.89N	170.74W	10	4.6b		
MOS	III 12 18 29 38.5	63.0N	170.5W	10	5.0b,4.3s		
NEIC	Felt at Gambell, Alaska.						
	(383) Northwestern Balkan region						
ISC	**III 12 21 44 48**±1.1	**45.10N**±.076	**14.89E**±.081	**0**		**12**	**0-4**
LJU	III 12 21 44 45.0	44.9N	14.9E	0			**¶97iii2588**
ZAG	Felt I=III MSK Senj (after RIY, PTJ)						
	(383) Northwestern Balkan region						
ISC	**III 12 23 00 34**±1.1	**45.14N**±.062	**14.90E**±.067	**10**±8.7		**24**	**0-4**
LJU	III 12 23 00 32.3	45.0N	14.9E	8			**¶97iii2603**
ZAG	III 12 23 00 34	45.02N	14.97E	3	2.9_L		
ROM	III 12 23 00 37.5	45.0N	14.6E	10	2.9_D		
ZAG	Felt I=IV MSK Senj						
	(706) Northern Sumatera						
ISC	**III 13 00 33 25**±1.6	**5.15N**±.060	**95.65E**±.074	**122**±16	**4.5b**	**63**	**5-161**
MOS	III 13 00 33 16.3	5.0N	95.3E	46	5.0b		**¶97iii2615**
BJI	III 13 00 33 20.5	4.90N	95.33E	95	4.8b		
KLM	III 13 00 33 21	5.0N	95.4E	90	3.9_L		
NEIC	III 13 00 33 21.5	5.04N	95.46E	90	4.7b		

EIDC III 13 00 33 23.4 5.0N 95.4E 94 4.1b
KLM Mb4.7
NEIC Less reliable solution.
NEIC Felt at Banda Aceh.

(244) Taiwan

TAP III 13 09 45 15.5 24.44N 121.74E 6 1.9L ¶97iii2681
TAP Felt I=II J

(76) Off coast of Central America

ISC III 13 16 49 07±1.6 **12.1N**±.15 **88.5W**±.17 **33 4.1b 21 1-149**
NEIC III 13 16 49 07.1 12.09N 88.56W 33 **¶97iii2737**
EIDC III 13 16 49 42.9 13.9N 88.9W 242 3.5b
NEIC MD3.8(SSS). Less reliable solution.
NEIC Felt I=II MM at San Salvador, El Salvador.

(710) Pakistan

ISC III 13 20 38 12±1.2 **30.07N**±.056 **67.83E**±.033 **26**±8.9 **4.5b,4.2s 142 1-88**
NEIC III 13 20 38 12.8 30.03N 67.82E 33 4.6b,4.6s **¶97iii2762**
MOS III 13 20 38 13.1 30.1N 68.0E 33 4.8b,4.4s
BJI III 13 20 38 13.7 30.22N 67.95E 29 4.6b,4.5s
EIDC III 13 20 38 14.9 30.0N 67.8E 33 4.3b,4.8L
NEIC Felt at Harnai.

(76) Off coast of Central America

ISC III 13 21 34 44±1.0 **12.56N**±.076 **89.11W**±.085 **56**±6.9 **4.5b,**4.1s **67 1-148**
EIDC III 13 21 34 38.2 12.7N 88.8W 0 4.4b,4.2s **¶97iii2773**
BJI III 13 21 34 44.3 12.60N 89.10W 59
NEIC III 13 21 34 44.3 12.60N 89.07W 59 4.7b
NEIC MD4.4(SSS)
NEIC Felt I=II MM at San Salvador, El Salvador.

(243) Taiwan region

ISC III 13 22 49 31.3±.64 **24.26N**±.044 **122.10E**±.046 **24**±7.8 **28 0-7**
BJI III 13 22 49 19.1 23.73N 122.77E 24 3.5L,3.6s **¶97iii2777**
TAP III 13 22 49 30.2 24.29N 122.14E 11 4.1L
JMA III 13 22 49 32.7±.6 23.91N±.03 122.45E±.04 0 3.5
TAP Felt I=III J

(76) Off coast of Central America

ISC III 13 23 42 49±1.1 **12.58N**±.090 **89.17W**±.091 **63**±7.6 **4.4b 37 1-148**
EIDC III 13 23 42 42.7 12.6N 88.9W 0 4.3b **¶97iii2783**
NEIC III 13 23 42 48.8 12.59N 89.18W 62 4.6b
NEIC MD3.9(SSS). Less reliable solution.
NEIC Felt I=II MM at San Salvador, El Salvador.

(383) Northwestern Balkan region

ISC III 14 06 53 55.9±.73 **45.44N**±.066 **14.61E**±.057 **12 23 0-6**
LJU III 14 06 53 55.1 45.5N 14.48E 12 **¶97iii2825**
ZAG III 14 06 53 56.4 45.53N 14.50E 6 3.0L
NEIC III 14 06 53 57.6 45.62N 14.70E 10
ZAG Felt in Grobnik and on the Croatia Slovenia border
NEIC MD3.4(LJU), ML2.9(VIE).Less reliable solution.

(244) Taiwan

ISC III 14 07 06 47±1.3 **24.33N**±.057 **121.8E**±.16 **11**±9.4 **11 0-1**
TAP III 14 07 06 46.9 24.35N 121.79E 14 2.8L **¶97iii2831**
TAP Felt I=III J

(135) Near coast of Central Chile

ISC III 14 10 47 13.8±.64 **32.30S**±.074 **71.26W**±.095 **89**±7.8 **4.1b 43 1-153**
NEIC III 14 10 47 12.6 32.20S 71.36W 73 4.2b **¶97iii2859**
EIDC III 14 10 47 13.8 32.3S 71.2W 76 4.0b
GUC III 14 10 47 14.9 32.33S 71.32W 67 4.7D
NEIC Felt I=IV MM at Chincolco, La Ligua and Papudo; III MM at Quilpue, San Felipe, Santiago, Valparaiso, Villa Alemana, Vina del Mar and Zapallar. Also felt at Rancagua.

(366) Turkey

ISC III 14 11 45 16±1.3 **38.11N**±.029 **28.96E**±.039 **6**±9.4 **4.0b,**3.8s **102 0-91**
ISK III 14 11 45 15.7 38.09N 28.94E 13 4.0D **¶97iii2863**
NEIC III 14 11 45 15.7 38.11N 29.01E 10 4.1b
EIDC III 14 11 45 16.3 38.2N 29.3E 0 4.0b,3.6L
ATH III 14 11 45 16.6 38.15N 28.96E 5 4.3L
MOS III 14 11 45 17.2 38.2N 28.8E 10 4.3b
THE III 14 11 45 20.4 38.1N 28.9E 39 4.4L
NEIC Felt in Denizli.

(366) Turkey

ISC III 14 11 48 17.7±.43 **38.12N**±.037 **28.89E**±.057 **10 3.7b 33 1-76**
ISK III 14 11 48 15.1 38.11N 29.02E 10 3.9D **¶97iii2865**
NEIC III 14 11 48 17.9 38.12N 28.80E 10 3.9b
EIDC III 14 11 48 19.2 38.1N 28.7E 0 3.6b,3.9L
ATH III 14 11 48 20.8 38.11N 28.75E 95
THE III 14 11 48 22.1 38.1N 28.7E 49 3.5L
NEIC Felt in Denizli.

(366) Turkey

ISC III 14 12 12 35±1.3 **38.11N**±.044 **28.93E**±.061 **3**±12 **24 1-6**
ISK III 14 12 12 35.0 38.14N 28.96E 6 3.6D **¶97iii2872**
NEIC III 14 12 12 35.3 38.10N 29.03E 10
THE III 14 12 12 39.4 38.0N 28.4E 10
NEIC Felt in Denizli.

(33) Western Idaho

ISC III 14 17 18 34±8.3 **47.5N**±.15 **116.1W**±.87 **0 30 1-15**
NEIC III 14 17 18 32.0 47.47N 115.78W 2 **¶97iii2919**
NEIC Possible rockburst ML3.6(BUT), MD3.4(SEA). Felt, After BUT.
NEIC Felt in the epicentral area.

(366) Turkey

ISK III 14 20 06 15.9 37.99N 29.03E 10 3.8D ¶97iii2940
NEIC III 14 20 06 19.3 37.99N 28.77E 10
ATH III 14 20 06 30.5 37.92N 28.33E 16 4.0D
NEIC Less reliable solution.
NEIC Felt in Denizli.

(244) Taiwan

TAP III 15 07 18 54.3 24.44N 121.76E 8 2.0L ¶97iii3015
TAP Felt I=III J

(221) Kuril Islands

ISC III 15 17 18 57.0±.53 **43.57N**±.030 **147.37E**±.055 **60**±4.5 **4.7b 206 1-149**
BJI III 15 17 18 51.2 43.65N 147.95E 38 4.7b **¶97iii3081**
NEIC III 15 17 18 54.6 43.80N 147.16E 33 4.9b
MOS III 15 17 18 55.1 43.8N 147.1E 33 5.3b
EIDC III 15 17 18 58.5 43.9N 147.1E 52 4.2b,3.8s
SKHL III 15 17 18 59.0 43.9N±.08 147.2E±.13 62±5
JMA III 15 17 18 59.4±.4 43.59N±.02 147.15E±.04 51 4.4
NEIC Felt I=IV MM on Shikotan.
MOS Felt I=IV MSK at Malokurilsk.
SKHL K10.5 Felt I=IV MSK at Malokurilsk

(92) Leeward Islands

ISC III 15 18 56 54.3±.52 **16.01N**±.043 **60.99W**±.067 **55**±6.2 **4.2b 55 0-165**
NEIC III 15 18 56 53.1 16.09N 60.92W 40 4.3b **¶97iii3090**
TRN III 15 18 56 53.6 16.0N 61.0W 33 4.4D
EIDC III 15 18 56 54.8 16.1N 61.1W 38 3.9b,3.5s
TRN MD4.1 (after FDF). Felt I=II MM in Martinique, I=III in Guadeloupe

(70) Guatemala

ISC III 15 19 47 47±1.8 **14.3N**±.15 **91.4W**±.11 **59**±14 **4.3b 43 1-148**
NEIC III 15 19 47 44.0 14.26N 91.50W 33 4.3b **¶97iii3099**
EIDC III 15 19 47 49.2 14.3N 91.2W 65 4.1b
MEX III 15 19 47 53.5 14.2N 92.3W 10 4.7D
NEIC Poor solution.
NEIC Felt I=II MM at San Salvador (after LCBS)

(383) Northwestern Balkan region

ISC III 15 21 29 57.1±.83 **44.88N**±.022 **15.73E**±.031 **1**±6.6 3.6b **133 1-40**
MOS III 15 21 29 44.2 44.3N 17.0E 10 4.0b **¶97iii3110**
PDG III 15 21 29 52.3 44.4N 14.8E 0 3.8L
EIDC III 15 21 29 56.7 44.8N 15.9E 0 3.9L,3.9b
NEIC III 15 21 29 56.8 44.79N 15.78E 10
ZAG III 15 21 29 57 44.91N 16.24E 16 4.0L
LJU III 15 21 29 57.2 44.8N 15.6E 0
SZGRF III 15 21 29 58.0 44.83N 15.93E 10 4.1L
ROM III 15 21 29 59.0 44.9N 16.0E 10 3.5D
LDG III 15 21 30 00.2 44.8N 15.8E 2 3.7L
NEIC ML4.0(VIE)
NEIC ML 3.5 (FUR), 3.3 (LJU)
ZAG Felt in Otocac, Gospic and Bihac

(377) Spain

ISC III 16 01 22 41.3±.63 **37.18N**±.052 **3.70W**±.053 **5**±7.5 **17 0-4**
NEIC III 16 01 22 41.2 37.15N 3.71W 10 **¶97iii3144**
MDD III 16 01 22 42.3 37.17N 3.71W 2 3.1
NEIC mbLg3.0(MDD). Single network solution.
MDD Felt I=II−III MSK, Vega

(230) Near south coast of Honshū

ISC III 16 05 51 38.4±.19 **34.88N**±.017 **137.50E**±.019 **46**±1.7 **5.6b,5.2s 650 0-165**
JMA III 16 05 51 37.0 34.85N 137.45E 36 5.7 **¶97iii3171**
NEIC III 16 05 51 37.0 34.85N 137.45E 36 5.7b,5.1s
MOS III 16 05 51 37.3 35.0N 137.5E 33 6.0b,5.3s
EIDC III 16 05 51 38.8 34.7N 137.5E 46 4.8b,5.1s
HRVD III 16 05 51 41.0±.2 34.92N±.03 137.34E±.03 38
JMA At least 4 people injured at Toyohashi. Felt I=V J at Toyohashi, IV at Hikone, Minokamo, Nagoya, Omi−Hachiman and Shimada. Also felt slightly at Tokyo
JMA Felt I=V J1
NEIC Mw5.6(HRV). Casualties I=VII MM.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c51; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.31±.05; $M_{\theta\theta}$0.83±.09; $M_{\phi\phi}$1.47±.08; $M_{r\theta}$2.04±.11; $M_{r\phi}$−0.40±.13; $M_{\theta\phi}$−1.59±.06. Principal Axes: T 3.27,Plg17°,Azm44°; N 0.06, Plg21°,Azm307°; P −3.34,Plg62°,Azm170°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S164°,δ33°,λ−49°. NP2:ϕ_S297°,δ65°,λ−113°.

(613) Hawaiian Islands

ISC III 16 14 19 00.7±.54 **19.54N**±.077 **155.29W**±.062 **8 4.1b 26 1-155**
EIDC III 16 14 19 00.4 19.4N 155.1W 0 4.0b **¶97iii3235**
NEIC III 16 14 19 01.1 19.36N 155.08W 8 4.2b
NEIC MD4.4(HVO). Felt, After HVO.
NEIC Felt at Hilo and Volcano. Also felt in the Puna and Kau Districts.

(502) Arkansas

ISC III 16 19 07 28.4±.93 **34.2N**±.12 **93.41W**±.053 **5 17 0-8**
NEIC III 16 19 07 27.9 34.21N 93.44W 5 **¶97iii3258**
NEIC mbLg3.4(GS)
NEIC Felt I=IV MM at Glenwood.

(378) Pyrenees

LDG III 17 04 32 42.6 43.0N 0.2W 2 ¶97iii3319
PIST Felt I=II MSK at Cauterets

(662) Sakhalin

ISC III 17 07 46 26±1.6 **53.16N**±.052 **142.9E**±.11 **3**±9.8 **4.1b 29 0-83**
SKHL III 17 07 46 26.0 53.12N±.04 142.70E±.07 10±2 **¶97iii3339**
BJI III 17 07 46 27.2 53.29N 143.14E 14 4.1b
NEIC III 17 07 46 27.3 53.19N 142.82E 10 4.5b
EIDC III 17 07 46 27.5 53.2N 142.9E 0 3.9b,3.9L
MOS III 17 07 46 30.3 53.1N 143.1E 33 4.5b
SKHL K8.9. Felt I=IV−V MSK at Sabo, Tungor; I=III−IV at Okha,Kolendo, Laguri; I=II−III at Nekrasovka; I=II at Ribnovsk
NEIC Less reliable solution.
MOS Felt I=III−IV MSK at Okha, I=III at Moskalvo.

(276) Sunda Strait

ISC III 17 08 05 50.6±.62 **6.66S**±.029 **105.48E**±.031 **51**±5.4 **5.8b,6.2s 533 0-178**
EIDC III 17 08 05 44.1 6.7S 105.3E 0 5.7b,6.2s **¶97iii3340**
BJI III 17 08 05 47.4 6.86S 105.25E 38 5.8b,6.3s
NEIC III 17 08 05 48.4 6.61S 105.51E 33 5.8b,6.2s
MOS III 17 08 05 49.3 6.5S 105.6E 33 6.5b,6.0s
HRVD III 17 08 05 56.7±.1 7.27S±.01 105.41E±.01 43±.4
NEIC Mw6.4(HRV), Me6.2(GS). Damage.
NEIC Radiated energy from the P−wave first−motion solution: 4.1±0.9×10^{13}Nm/17
NEIC Mw 6.3 (GS). Some minor damage at Jakarta, Indonesia. Felt throughout western Jawa and in southern Sumatera, Indonesia.
NEIC Moment tensor solution: s29, scale 10^{18}Nm; M_{rr}2.91; $M_{\theta\theta}$−2.10; $M_{\phi\phi}$−0.81; $M_{r\theta}$1.85; $M_{r\phi}$0.02; $M_{\theta\phi}$0.39. Depth 37km; Principal axes: T 3.53,Plg72°,Azm354°; N −0.75,Plg5°, Azm99°; P −2.78,Plg18°,Azm191°. Best double couple: $M_0$3.2×10^{18}Nm; NP1:ϕ_S289°,δ28°, λ101°. NP2:ϕ_S97°,δ63°,λ84°.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S310°,δ20°,λ120°. NP2:ϕ_S98°,δ73°,λ80°. Principal axes: T Plg61°,Azm353°; P Plg27°,Azm197°. Complex earthquake, with a small event followed by a much larger one about 2 seconds later. Depth from synthetics of broadband displacement seismograms, based on second event.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c112; Mantle waves: s51,c81; Half duration: 3s8. Moment tensor: Scale 10^{18}Nm; M_{rr}3.09±.03; $M_{\theta\theta}$−2.88±.02; $M_{\phi\phi}$−0.22±.02; $M_{r\theta}$2.74±.05; $M_{r\phi}$−0.45±.05; $M_{\theta\phi}$1.11±.02. Principal Axes: T 4.16,Plg69°,Azm1°; N 0.14,Plg6°,Azm105°; P −4.30,Plg20°,Azm197°. Best double couple: $M_0$4.2×10^{18}Nm, NP1:ϕ_S298°,δ25°,λ103°. NP2:ϕ_S103°,δ66°,λ84°.

(123) Northern Chile

ISC III 17 08 36 57±1.3 **18.69S**±.050 **69.66W**±.060 **62**±13 **4.9b 136 3-165**
BJI III 17 08 36 58.5 18.82S 69.86W 70 **¶97iii3345**
NEIC III 17 08 36 58.8 18.76S 69.74W 85 5.0b
EIDC III 17 08 37 00.4 18.8S 69.6W 89 4.6b
MOS III 17 08 37 02.6 18.9S 70.7W 102 5.1b
NEIC Felt I=IV MM at Arica, III MM at Putre and II MM at Iquique, Pica, Pisagua and Pozo Almonte.

(224) Hokkaido region

ISC III 17 09 23 16.5±.26 **41.85N**±.019 **142.17E**±.036 **73**±2.5 **4.9b 349 1-152**
MOS III 17 09 23 15.2 41.8N 142.2E 66 5.5b **¶97iii3354**
BJI III 17 09 23 15.6 41.81N 142.18E 84 5.2b,4.3s
JMA III 17 09 23 16.4±.1 41.85N±.01 142.18E±.01 66±3 4.7
NEIC III 17 09 23 17.0 41.90N 142.11E 77 5.1b
EIDC III 17 09 23 19.5 41.8N 142.2E 90 4.6b
NEIC Felt I=III J at Shizunai. Also felt in Aomori and Iwate Prefectures, Honshu.

(244) Taiwan

ISC III 17 10 53 03±1.5 **24.38N**±.063 **121.8E**±.17 **7**±17 **8 0-1**
TAP III 17 10 53 01.3 24.38N 121.81E 14 2.8L **¶97iii3367**

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
TAP	Felt I=III J						
	(162) South Island, New Zealand						
ISC	**III 18 08 12 25.0**±.98	**43.15S**±.072	**171.41E**±.092	**17**±15		**10**	**1-3**
WEL	III 18 08 12 24.4	43.12S	171.42E	5	3.7L		¶97iii3507
WEL	Felt I=IV MM Coleridge						
	(43) Southern California						
ISC	**III 18 15 24 46.6**±.21	**34.96N**±.023	**116.83W**±.025	**2**	**4.3b,4.4s**	**121**	**0-122**
ECX	III 18 15 24 47.4	34.96N	116.82W	10	5.4D		¶97iii3558
NEIC	III 18 15 24 47.7	34.97N	116.82W	2	4.7b,4.7s		
MOS	III 18 15 24 47.9	35.0N	116.9W	10	5.2b		
BJI	III 18 15 24 48.7	35.04N	117.07W	11	4.8b		
EIDC	III 18 15 24 48.7	34.9N	116.8W	9	4.3b,4.3s		
NEIC	M_D5.1(PAS). Damage I=VI MM, After PAS.						
NEIC	Minor damage I=VI MM in the Barstow area. Felt V MM at Hinkley, Newberry Springs, Oro Grande and Rancho Cucamonga; IV MM at Arcadia, Baker, Boron, El Monte, Fort Irwin, Glendale, Llano, Mojave, Mount Baldy, Newberry Springs, Rosamond, San Bernardino, Seal Beach, Tecopa, West Arcadia and Yermo. Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.						
	(43) Southern California						
ISC	**III 18 16 19 22.5**±.30	**34.97N**±.028	**116.85W**±.032	**1**	**3.3b**	**48**	**0-35**
NEIC	III 18 16 19 23.0	34.97N	116.83W	1			¶97iii3564
EIDC	III 18 16 19 24.2	34.9N	116.9W	0	3.3b,3.6L		
ECX	III 18 16 19 24.4	34.94N	116.97W	10	3.7D		
NEIC	M_D3.7(PAS). Felt, After PAS.						
NEIC	Felt in the Barstow area.						
	(39) Central California						
ISC	**III 18 16 40 14.0**±.42	**35.01N**±.031	**116.84W**±.044	**0**		**34**	**1-7**
NEIC	III 18 16 40 14.6	34.97N	116.82W	0			¶97iii3567
NEIC	M_D3.4(PAS). Felt, After PAS.						
NEIC	Felt in the Barstow area.						
	(244) Taiwan						
ISC	**III 19 03 15 46**±2.1	**24.3N**±.18	**121.8E**±.31	**15**±21		**5**	**0-1**
TAP	III 19 03 15 45.2	24.36N	121.72E	15	2.4L		¶97iii3623
ISC	Poorly determined						
TAP	Felt I=II J						
	(377) Spain						
ISC	**III 19 04 35 00**±1.4	**42.84N**±.079	**7.2W**±.13	**6**±15		**7**	**0-3**
NEIC	III 19 04 35 00.0	42.84N	7.19W	10			¶97iii3632
MDD	III 19 04 35 01.3	42.82N	7.27W	2	3.1		
NEIC	mbLg3.2(MDD). Single network solution.						
NEIC	Felt I=III MM in the epicentral area.						
	(377) Spain						
ISC	**III 19 05 04 32.5**±.62	**43.00N**±.050	**7.19W**±.076	**4**		**20**	**0-7**
NEIC	III 19 05 04 33.5	42.95N	7.14W	10			¶97iii3635
MDD	III 19 05 04 35.3	42.85N	7.24W	4	3.2		
LDG	III 19 05 04 38.7	43.2N	7.0W	2	3.0L		
NEIC	mbLg3.1(MDD)						
MDD	Felt I=III−IV MSK, Sarria−Becerrea						
	(710) Pakistan						
ISC	**III 19 11 15 48**±1.4	**30.28N**±.061	**67.93E**±.041	**16**±11	**4.4b,4.2s**	**86**	**1-145**
EIDC	III 19 11 15 49.0	30.2N	67.8E	18	4.2b,4.0s		¶97iii3694
BJI	III 19 11 15 49.5	30.41N	67.74E	35	4.4b,4.6s		
NEIC	III 19 11 15 50.5	30.33N	67.96E	33	4.7b		
MOS	III 19 11 15 52.1	30.6N	68.2E	33	4.8b,4.4s		
NEIC	Less reliable solution.						
NEIC	Felt at Quetta.						
	(88) Dominican Republic region						
ISC	**III 19 13 57 32.6**±.83	**19.0N**±.11	**69.60W**±.075	**94**±9.8	**4.1b**	**52**	**0-158**
NEIC	III 19 13 57 31.7	18.99N	69.66W	84	4.3b		¶97iii3717
EIDC	III 19 13 57 32.0	18.8N	69.7W	82	4.0b,3.3s		
NEIC	M_D4.4(MPR)						
NEIC	Felt I=IV MM at Cotui, Monte Plata and Santo Domingo; III MM at La Vega and Villa Altagracia.						
	(710) Pakistan						
ISC	**III 19 19 57 13.3**±.66	**34.77N**±.042	**71.58E**±.037	**64**±7.3	**4.7b**	**139**	**1-150**
MOS	III 19 19 57 10.0	34.8N	71.5E	33	5.1b,4.3s		¶97iii3758
NEIC	III 19 19 57 11.9	34.87N	71.62E	50	4.9b		
BJI	III 19 19 57 12.7	34.86N	71.71E	49	4.8L,4.8b		
EIDC	III 19 19 57 14.8	34.8N	71.5E	63	4.3b		
NEIC	Fifteen people killed, several injured and damage to houses in the Bajaur region. Felt at Chitral.						
BJI	Ms4.3						
	(390) Southern Italy						
ISC	**III 19 23 10 50.3**±.49	**41.40N**±.025	**14.61E**±.022	**16**±5.0	**4.3b,**4.1s	**196**	**0-127**
LDG	III 19 23 10 46.9	41.2N	15.0E	2	3.9L		¶97iii3781
BJI	III 19 23 10 47.8	41.39N	14.50E	13	4.6b		
ROM	III 19 23 10 49.2	41.4N	14.6E	9	4.1D		
NEIC	III 19 23 10 49.2	41.40N	14.63E	10	4.6b		
MOS	III 19 23 10 50.2	41.5N	14.7E	10	4.9b		
EIDC	III 19 23 10 54.2	41.4N	14.5E	35	3.8b,4.5L		
PDG	III 19 23 10 56.7	41.3N	15.0E	40	4.1L,4.0D		
THE	III 19 23 10 57.2	41.5N	15.4E	2	3.8L		
NEIC	Felt at Benevento.						
	(244) Taiwan						
ISC	**III 20 05 25 19**±1.1	**24.43N**±.073	**121.8E**±.17	**3**±22		**9**	**0-1**
TAP	III 20 05 25 18.0	24.45N	121.75E	8	2.9L		¶97iii3843
TAP	Felt I=IV J						
	(710) Pakistan						
ISC	**III 20 08 50 41**±1.6	**30.13N**±.034	**68.02E**±.023	**33**±11	**5.4b,5.7s**	**441**	**1-145**
EIDC	III 20 08 50 37.1	30.1N	68.0E	0	5.3b,5.7s		¶97iii3870
MOS	III 20 08 50 39.5	30.1N	68.1E	27	6.1b,5.6s		
NEIC	III 20 08 50 40.3	30.14N	68.02E	33	5.5b,5.8s		
BJI	III 20 08 50 40.6	30.34N	67.91E	33	5.4b,5.8s		
HRVD	III 20 08 50 44.7±.2	30.79N±.03	67.79E±.03	15			
NEIC	Mw5.9(HRV), Me5.4(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 2.4±0.5×10^{12}Nm/7						
NEIC	Mw 5.7 (GS). At least three people injured and additional damage to houses in the Harnai area. Felt at Quetta.						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ85°,λ85°. NP2:ϕ_S300°,δ7°,λ135°. Principal axes: T Plg50°,Azm340°; P Plg40°,Azm170°. Two events about 1 second apart. Depth from synthetics of broadband displacement seismogams based on first event.						
NEIC	Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}0.17; $M_{\theta\theta}$−0.99; $M_{\phi\phi}$0.83; $M_{r\theta}$3.67; $M_{r\phi}$1.36; $M_{\theta\phi}$1.00. Depth 18km; Principal axes: T 4.16,Plg43°,Azm322°; N −0.02,Plg19°,Azm71°; P −4.14,Plg41°,Azm178°. Best double couple: $M_0$4.1×10^{17}Nm; NP1:ϕ_S337°,δ19°,λ176°. NP2: ϕ_S70°,δ89°,λ71°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.95±.09; $M_{\theta\theta}$1.90±.12; $M_{\phi\phi}$0.05±.09; $M_{r\theta}$7.62±.25; $M_{r\phi}$1.86±.20; $M_{\theta\phi}$0.49±.09. Principal Axes: T 8.13,Plg38°,Azm346°; N −0.07, Plg0°,Azm76°; P −8.05,Plg52°,Azm166°. Best double couple: $M_0$8.1×10^{17}Nm, NP1:ϕ_S76°, δ7°,λ−91°. NP2:ϕ_S256°,δ83°,λ−90°.						
	(383) Northwestern Balkan region						
ISC	**III 20 17 01 17.6**±.25	**42.20N**±.028	**21.28E**±.030	**10**	3.6b	**89**	**0-37**
NEIC	III 20 17 01 17.0	42.12N	21.20E	10			¶97iii3925
SKO	III 20 17 01 17.5	42.22N	21.42E	20			
PDG	III 20 17 01 18.6	42.3N	21.3E	10	3.8D		
LDG	III 20 17 01 19.8	42.5N	21.6E	2	4.0L		
EIDC	III 20 17 01 21.5	42.3N	21.1E	0	3.7L,3.8b		
THE	III 20 17 01 27.6	41.6N	22.0E	0	3.1L		
ATH	III 20 17 01 30.4	41.61N	21.89E	33	3.5D		
NEIC	$M_{L3.8}$(SKO)						
NEIC	Felt I=IV Skopje Kumanovo and Tetava (after SKO)						
SKO	Felt I=V MSK at Northern Macedonia						
	(244) Taiwan						
ISC	**III 21 05 20 18**±2.2	**24.3N**±.11	**121.8E**±.21	**8**		**5**	**0-1**
TAP	III 21 05 20 17.7	24.35N	121.73E	8	2.2L		¶97iii4000
ISC	Poorly determined						
TAP	Felt I=III J						
	(365) Ægean Sea						
ISC	**III 21 06 17 07.3**±.60	**39.31N**±.021	**23.78E**±.020	**5**±4.2	**4.5b,4.5s**	**236**	**0-96**
ISK	III 21 06 17 00.3	39.39N	23.15E	9	4.3D		¶97iii4013
NEIC	III 21 06 17 07.0	39.34N	23.76E	5	4.3b,4.5s		
EIDC	III 21 06 17 07.5	39.2N	23.7E	0	4.3b,4.3s		
MOS	III 21 06 17 08.5	39.4N	23.7E	10	5.2b,4.6s		
THE	III 21 06 17 08.5	39.3N	23.8E	8	4.5L		
BJI	III 21 06 17 08.7	38.91N	23.36E	37	4.7b,5.0s		
ATH	III 21 06 17 09.6	39.32N	23.81E	24	4.5L		
PDG	III 21 06 17 19.8	40.2N	23.5E	10	4.3L,4.2D		
NEIC	Felt in the Athens and Volos areas, Greece.						
	(177) Kermadec Islands region						
ISC	**III 21 12 07 16.2**±.45	**31.26S**±.037	**179.65E**±.036	**435**±5.5	**5.5b**	**557**	**3-171**
EIDC	III 21 12 07 16.6	31.3S	179.8E	434	5.1b		¶97iii4071
NEIC	III 21 12 07 17.6	31.16S	179.62E	449	5.6b		
BJI	III 21 12 07 18.3	30.95S	179.86E	459	5.6b		
MOS	III 21 12 07 18.4	31.0S	179.6E	455	5.8b		
HRVD	III 21 12 07 22.1±.1	31.18S±.01	179.90E±.01	453±.7			
NEIC	Mw6.3(GS), Me6.2(GS).						
NEIC	Mw 6.3 (HRV). Mo=3.9×10^{18}Nm (PPT).						
NEIC	Radiated energy from the P−wave first−motion solution: 3.8±0.7×10^{13}Nm/11						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ75°,λ180°. NP2:ϕ_S30°,δ90°,λ−15°. Principal axes: T Plg11°,Azm76°; P Plg11°,Azm344°.						
NEIC	Moment tensor solution: s22, scale 10^{18}Nm; M_{rr}0.03; $M_{\theta\theta}$−2.01; $M_{\phi\phi}$1.99; $M_{r\theta}$−0.82; $M_{r\phi}$−1.77; $M_{\theta\phi}$−1.42. Depth 442km; Principal axes: T 3.17,Plg27°,Azm79°; N −0.07, Plg51°,Azm209°; P −3.10,Plg25°,Azm335°. Best double couple: $M_0$3.1×10^{18}Nm; NP1: ϕ_S117°,δ52°,λ179°. NP2:ϕ_S207°,δ89°,λ39°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c101; Half duration: 3s5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.28±.02; $M_{\theta\theta}$−2.31±.03; $M_{\phi\phi}$2.59±.03; $M_{r\theta}$−0.87±.03; $M_{r\phi}$−1.64±.03; $M_{\theta\phi}$−0.95±.03. Principal Axes: T 3.39,Plg23°,Azm84°; N −0.34,Plg54°,Azm210°; P −3.05,Plg26°,Azm342°. Best double couple: $M_0$3.2×10^{18}Nm, NP1:ϕ_S124°,δ54°,λ−178°. NP2:ϕ_S33°,δ88°,λ−36°.						
WEL	Felt I=IV MM Raoul Island						
	(244) Taiwan						
ISC	**III 21 14 26 58.5**±.90	**22.84N**±.060	**120.68E**±.061	**14**±10		**15**	**0-2**
TAP	III 21 14 26 57.4	22.83N	120.71E	13	3.2L		¶97iii4084
TAP	Felt I=II J						
	(244) Taiwan						
ISC	**III 21 16 45 47**±1.2	**24.34N**±.054	**121.8E**±.16	**14**		**8**	**0-1**
TAP	III 21 16 45 46.0	24.35N	121.71E	14	2.8L		¶97iii4101
TAP	Felt I=III J						
	(345) North-Western Iran						
ISC	**III 21 23 00 44.1**±.79	**37.99N**±.056	**47.91E**±.044	**44**±7.7	**4.4b,**4.3s	**100**	**1-101**
NEIC	III 21 23 00 39.4	37.96N	47.91E	10	4.5b		¶97iii4149
MOS	III 21 23 00 39.5	37.9N	48.1E	10	5.0b		
EIDC	III 21 23 00 40.1	38.2N	48.0E	0	4.3b,4.0L		
BJI	III 21 23 00 43.3	38.59N	48.05E	10	4.6b		
NEIC	Felt at Ardebil and Sarab.						
TAB	Felt in Sarab region						
	(378) Pyrenees						
ISC	**III 22 01 26 25.7**±.53	**43.08N**±.054	**0.19W**±.048	**12**±5.9		**30**	**0-5**
NEIC	III 22 01 26 25.6	43.11N	0.16W	10			¶97iii4173
LDG	III 22 01 26 26.5	43.1N	0.2W	2	3.0L		
MDD	III 22 01 26 26.6	43.02N	0.19W	9	3.1		
PIST	Felt I=II MSK in the Bigorre area						
NEIC	mbLg3.1(MDD)						
MDD	Felt I=II−III MSK Argeles−Gazost, France						
	(59) Guerrero, Mexico						
ISC	**III 22 03 49 13.9**±.51	**17.05N**±.043	**99.65W**±.035	**44**±3.9	**4.7b,4.1s**	**132**	**0-146**
MEX	III 22 03 49 16.0	17.0N	99.8W	30	4.6D		¶97iii4189
NEIC	III 22 03 49 18.6	17.30N	99.53W	76	4.7b		
MOS	III 22 03 49 18.8	17.3N	99.5W	73	5.0b		
EIDC	III 22 03 49 19.5	17.2N	99.4W	76	4.2b,4.1s		
NEIC	Felt at Acapulco.						
	(710) Pakistan						
ISC	**III 22 06 19 53.4**±.93	**30.17N**±.075	**67.94E**±.038	**39**±7.6	**4.7b,4.5s**	**129**	**1-145**
EIDC	III 22 06 19 49.5	30.2N	67.9E	0	4.7b,5.0s		¶97iii4214
MOS	III 22 06 19 52.1	30.1N	68.1E	33	5.1b,4.5s		
NEIC	III 22 06 19 52.1	30.08N	67.93E	33	4.8b,4.7s		
BJI	III 22 06 19 52.3	30.36N	67.94E	25	4.8b,4.8s		
NEIC	Felt in the Harnai area and at Quetta.						
	(39) Central California						
ISC	**III 22 11 31 48.6**±.69	**36.74N**±.047	**121.54W**±.060	**19**±6.2	**3.5b,**3.4s	**62**	**0-32**
EIDC	III 22 11 31 46.0	36.7N	121.7W	0	3.8L,3.4s		¶97iii4256
NEIC	III 22 11 31 49.2	36.84N	121.41W	10	3.8b		
NEIC	M_L4.4(GS), Mw4.2(BRK). Felt, After GM−P.						
NEIC	MD 4.1 (GM). ML 4.4 (BRK). Felt from San Francisco and Marin County to Monterey and Salinas. Mo=2.3×10^{15}Nm (BRK).						
	(723) Finland-USSR border region						
HEL	**III 22 13 38 52**	**65.77N**	**29.90E**		**1.3L**		¶97iii4272
HEL	Felt						
	(377) Spain						
ISC	**III 22 20 48 00**±1.3	**38.81N**±.052	**0.71W**±.083	**8**±13		**24**	**0-10**
NEIC	III 22 20 48 00.4	38.80N	0.71W	10			¶97iii4315
MDD	III 22 20 48 02.5	38.76N	0.69W	11	3.1		
LDG	III 22 20 48 04.2	38.8N	0.6W	2	2.7L		
NEIC	mbLg3.0(MDD)						
MDD	Felt I=III MSK, Bocairente						
	(244) Taiwan						
ISC	**III 22 23 37 38.7**±.66	**24.44N**±.032	**121.81E**±.056	**7**±5.2	**3.6b**	**33**	**0-83**
TAP	III 22 23 37 38.5	24.44N	121.76E	9	4.5L		¶97iii4337
BJI	III 22 23 37 41.2	24.53N	121.56E	39	4.1L,4.2b		

EIDC III 22 23 37 55.4 24.4N 121.7E 141 3.2b
TAP Felt I=II J Suao, Neicheng, I Ilan, Chiawan, Hwalien, Taipei
BJI Ms3.8

(244) Taiwan

TAP III 22 23 47 50.7 24.47N 121.72E 5 1.3L ¶97iii4339
TAP Felt I=II J

(244) Taiwan

ISC III 23 00 18 28.5±.80 **24.43N**±.042 **121.75E**±.096 **5**±12 **13 0-2**
TAP III 23 00 18 28.1 24.44N 121.75E 8 3.2L **¶97iii4349**
TAP Felt I=V J

(244) Taiwan

TAP III 23 00 32 45.9 23.27N 121.70E 13 2.4L ¶97iii4351
TAP Felt I=III J

(244) Taiwan

ISC III 23 01 52 49±1.2 **24.43N**±.064 **121.7E**±.11 **0**±23 **9 0-1**
TAP III 23 01 52 48.2 24.45N 121.75E 8 2.7L **¶97iii4361**
TAP Felt I=IV J

(244) Taiwan

ISC III 23 03 54 52.0±.91 **24.44N**±.044 **121.7E**±.12 **7**±11 **11 0-2**
TAP III 23 03 54 51.4 24.44N 121.76E 9 2.9L **¶97iii4383**
TAP Felt I=V J

(244) Taiwan

ISC III 23 05 02 19±3.1 **24.4N**±.11 **121.9E**±.30 **14** **5 0-1**
TAP III 23 05 02 19.3 24.42N 121.79E 14 2.3L **¶97iii4396**
TAP Felt I=II J

(533) United Kingdom

ISC III 23 05 56 18±1.4 **53.42N**±.085 **1.0W**±.19 **8** **5 1-1**
BGS III 23 05 56 18.8 53.42N 1.04W 8 2.0L **¶97iii4401**
BGS Coalfield type event Felt I=III−3dV MSK, Blyth

(228) Near east coast of Honshū

ISC III 23 05 58 55.1±.20 **35.96N**±.018 **140.08E**±.025 **79**±1.8 **5.0b 399 0-159**
BJI III 23 05 58 53.6 35.94N 140.12E 87 5.2b,4.3s **¶97iii4402**
MOS III 23 05 58 55.0 36.0N 139.9E 73 5.6b
JMA III 23 05 58 55.1±.1 35.96N±.01 140.11E±.01 71±3 5.0
NEIC III 23 05 58 55.5 35.94N 139.99E 83 5.1b
EIDC III 23 05 58 55.6 35.8N 140.1E 74 4.6b,4.2s
HRVD III 23 05 59 00.0±.6 36.03N±.08 140.14E±.06 71±5.7
NEIC Mw5.2(HRV)
NEIC Felt I=III J in the Tokyo area. Also felt at Nikko and Yokohama.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c19; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.37; $M_{\theta\theta}$0.06±.65; $M_{\phi\phi}$−4.42±.51; $M_{r\theta}$−1.34±.53; $M_{r\phi}$5.24±.57; $M_{\theta\phi}$−0.87±.52. Principal Axes: T 7.16,Plg62°,Azm242°; N −0.29,Plg12°,Azm356°; P −6.87,Plg25°,Azm92°. Best double couple: $M_0$7.0×10^{16}Nm, NP1: ϕ_S207°,δ23°,λ123°. NP2:ϕ_S352°,δ71°,λ77°.

(76) Off coast of Central America

ISC III 23 15 23 48±1.2 **12.9N**±.13 **88.8W**±.12 **64**±7.3 **3.9b 28 1-148**
NEIC III 23 15 23 48.5 12.91N 88.77W 63 3.8b **¶97iii4454**
EIDC III 23 15 23 53.7 13.1N 88.6W 96 3.6b
NEIC M_D3.5(SSS). Less reliable solution.
NEIC Felt I=III MM at San Salvador, El Salvador.

(73) El Salvador

ISC III 23 15 59 57±2.6 **13.1N**±.25 **89.8W**±.20 **72**±14 **3.8b 20 1-147**
EIDC III 23 15 59 52.8 13.8N 89.1W 0 4.0b **¶97iii4459**
NEIC III 23 16 00 01.6 13.75N 89.31W 78
NEIC M_D3.6(SSS). Poor solution.
NEIC Felt I=III MM at San Salvador.

(662) Sakhalin

ISC III 23 18 11 31.5±.36 **52.93N**±.046 **143.01E**±.095 **12** **4.0b,3.8s 38 1-83**
SKHL III 23 18 11 29.7 52.99N±.05 142.54E±.12 12±2 **¶97iii4470**
NEIC III 23 18 11 30.7 52.87N 142.85E 10 4.0b,4.0s
EIDC III 23 18 11 30.8 52.9N 142.8E 0 4.0b,3.9L
MOS III 23 18 11 31.4 53.0N 143.0E 10 4.4b
BJI III 23 18 11 34.2 53.85N 142.39E 5 4.0b,4.7s
SKHL K9.7. Felt I=IV MSK at Sabo; I=III at Okha, Ehabi, Kolendo; I=II at Nikolaevsk−na−Amure
NEIC Less reliable solution.
MOS Felt I=IV MSK Sabo, III−IV Okha, Kalendo, III Ekhabi, II Nikolayevsk−na−Amure

(243) Taiwan region

ISC III 23 23 01 43±1.1 **24.82N**±.037 **122.07E**±.065 **3**±6.9 **3.9b 34 0-82**
TAP III 23 23 01 43.1 24.83N 121.99E 8 4.0L **¶97iii4492**
BJI III 23 23 01 54.2 24.89N 122.09E 110 4.0b
NEIC III 23 23 01 55.5 24.80N 122.38E 117 4.1b
EIDC III 23 23 01 58.1 24.7N 122.0E 125 3.4b
TAP Felt I=II J
NEIC Less reliable solution.

(244) Taiwan

ISC III 23 23 02 12±5.4 **24.8N**±.15 **121.9E**±.39 **10**±15 **6 0-1**
TAP III 23 23 02 10.7 24.86N 122.00E 9 3.8L **¶97iii4493**
TAP Felt I=III J Santiao Chiao, I Ilan, Suao, Neicheng

(546) Austria

ISC III 24 03 14 16.6±.50 **47.04N**±.039 **14.30E**±.056 **5** **23 1-4**
NEIC III 24 03 14 19.6 47.09N 14.31E 5 **¶97iii4517**
NEIC M_L2.9(GRF), M_L2.7(VIE). Less reliable solution.
NEIC Felt I=IV MM in the Metnitz Valley.

(244) Taiwan

ISC III 24 03 51 49±2.1 **24.3N**±.11 **121.8E**±.22 **15** **5 0-1**
TAP III 24 03 51 48.5 24.36N 121.73E 15 2.6L **¶97iii4522**
TAP Felt I=II J

(243) Taiwan region

ISC III 24 10 26 04.6±.69 **22.64N**±.038 **121.35E**±.067 **23**±6.3 **3.7b**,4.0s **33 0-51**
BJI III 24 10 26 03.1 22.49N 121.07E 24 4.0L,4.4b **¶97iii4560**
EIDC III 24 10 26 03.1 22.4N 121.4E 0 3.6b,4.0s
TAP III 24 10 26 03.3 22.73N 121.38E 11 4.5L
NEIC III 24 10 26 06.2 22.39N 121.45E 33 4.0b
TAP Felt I=I'3d J
NEIC Less reliable solution.

(383) Northwestern Balkan region

ISC III 24 21 21 10.0±.48 **42.02N**±.022 **20.15E**±.026 **7**±4.0 4.0b **115 0-55**
TIR III 24 21 21 09.2 42.05N 20.24E 27 3.5L **¶97iii4618**
EIDC III 24 21 21 09.5 41.9N 20.1E 0 3.7L,3.8b
NEIC III 24 21 21 10.9 42.02N 20.14E 10
ROM III 24 21 21 11.1 41.9N 20.4E 10 3.7D
PDG III 24 21 21 11.2 42.0N 20.2E 10 4.0L,3.8D
LDG III 24 21 21 11.7 42.1N 20.5E 2 4.0L
THE III 24 21 21 14.4 41.9N 20.5E 2 3.6L
SOF III 24 21 21 20.9 42.18N 20.96E 35 3.7D
TIR Felt weakly at Department of Kukesi and Dibra
NEIC $M_{L3.5}$(ROM).

(310) Nepal

ISC III 24 21 28 04±2.1 **27.94N**±.057 **85.03E**±.052 **21**±16 **4.3b**,4.0s **51 6-87**
EIDC III 24 21 28 02.6 27.9N 85.2E 0 4.3b,4.9L **¶97iii4619**
BJI III 24 21 28 03.7 27.90N 84.92E 33 4.4b,4.2s
MOS III 24 21 28 06.0 27.9N 84.9E 33 4.6b
NEIC III 24 21 28 06.0 27.89N 84.99E 33 4.5b
NEIC Felt in the epicentral area and at Kathmandu, Nepal.

(519) Southern Texas

NEIC III 24 22 31 34.5 27.72N 98.05W 5 3-80
EIDC III 24 22 31 34.7 27.6N 98.0W 0 3.9b,4.3s **¶97iii4630**
NEIC mbLg3.8(GS). Poor solution.
NEIC Felt I=V MM at Agua Dulce, Alice and Orange Grove; III MM at Edroy.

(244) Taiwan

ISC III 24 23 32 19.5±.44 **24.12N**±.032 **121.75E**±.059 **49**±4.0 **4.1b,4.3s 71 0-83**
TAP III 24 23 32 20.1 24.16N 121.72E 29 4.8L **¶97iii4640**
MOS III 24 23 32 23.9 24.2N 121.7E 96 4.6b
BJI III 24 23 32 24.6 24.36N 121.48E 100 4.4b
NEIC III 24 23 32 24.9 24.06N 121.65E 100 4.2b
EIDC III 24 23 32 29.7 24.1N 121.7E 131 3.6b,4.1s
TAP Felt I=III J Chiawan, Hwalien, Tachien, II Ilan, Suao, Taichung, Kuangyinshan, Taipei
NEIC Less reliable solution.

(127) Chile-Argentina border region

ISC III 25 00 14 45.4±.29 **33.42S**±.043 **70.57W**±.053 **88**±2.8 **5.3b 223 0-179**
BJI III 25 00 14 44.0 33.62S 70.66W 83 5.5s **¶97iii4645**
NEIC III 25 00 14 44.6 33.48S 70.55W 84 5.5b
EIDC III 25 00 14 45.0 33.4S 70.7W 76 5.1b,4.5s
MOS III 25 00 14 45.5 33.4S 70.7W 86 5.5b
GUC III 25 00 14 46.0 33.46S 70.78W 83 5.4D
HRVD III 25 00 14 50.6±.3 33.45S±.03 70.62W±.04 90±2.4
NEIC Mw5.5(HRV). Damage, avalanche observed.
NEIC Some buildings slightly damaged I=VI MM and power outages at Santiago, Chile. Felt in many parts of central Chile. Landslides occurred along mountain roads east of Santiago, Chile. Also felt III MM at Mendoza, Argentina.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c39; Half duration: 1$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.60±.04; $M_{\theta\theta}$−1.12±.06; $M_{\phi\phi}$1.73±.08; $M_{r\theta}$−1.13±.04; $M_{r\phi}$−0.08±.07; $M_{\theta\phi}$1.07±.10. Principal Axes: T 2.16,Plg10°,Azm111°; N 0.03, Plg54°,Azm215°; P −2.19,Plg34°,Azm14°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_S158°,δ59°,λ−161°. NP2:ϕ_S58°,δ74°,λ−33°.

(160) Off east coast of North Island, N.Z.

ISC III 25 02 18 04.0±.46 **37.25S**±.048 **177.61E**±.065 **128**±4.2 **5.1b 203 0-177**
BJI III 25 02 18 00.5 37.11S 178.14E 115 5.5b **¶97iii4660**
NEIC III 25 02 18 00.8 37.02S 177.65E 100 5.2b
EIDC III 25 02 18 01.1 37.2S 177.9E 101 5.1b,4.3s
WEL III 25 02 18 04.7 37.03S 177.62E 111 5.9L
HRVD III 25 02 18 07.4±.3 36.94S±.04 177.22E±.05 136±1.6
MOS III 25 02 18 08.6 37.0S 177.5E 162 5.5b
NEIC Mw5.3(HRV)
WEL Felt Whakatane to Gisborne, maximum intensity I=IV MM
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c30; Half duration: 1$1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.06±.38; $M_{\theta\theta}$−8.23±.89; $M_{\phi\phi}$0.18±.91; $M_{r\theta}$2.30±.39; $M_{r\phi}$6.27±.44; $M_{\theta\phi}$3.55±.68. Principal Axes: T 12.2,Plg58°,Azm290°; N −2.7, Plg32°,Azm110°; P −9.5,Plg0°,Azm200°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S318°, δ53°,λ131°. NP2:ϕ_S82°,δ53°,λ49°.

(2) Southern Alaska

ISC III 25 11 18 23.2±.25 **61.45N**±.024 **148.22W**±.046 **39**±12 **79 0-5**
NEIC III 25 11 18 23.6 61.46N 148.21W 33 **¶97iii4714**
NEIC M_L3.7(PMR), M_L3.6(AEIC). Felt I=III MM, After AEIC.
NEIC Felt I=III MM at Eagle River.

(7) Andreanof Islands

ISC III 25 22 37 45±1.2 **51.42N**±.070 **178.02W**±.050 **41**±10 **4.7b,4.1s 129 1-148**
EIDC III 25 22 37 40.7 51.5N 178.0W 0 4.3b,4.0s **¶97iii4805**
BJI III 25 22 37 42.2 51.73N 178.29W 14 4.8b
NEIC III 25 22 37 43.9 51.36N 178.03W 33 4.8b,4.5s
MOS III 25 22 37 44.1 51.3N 178.0W 33 5.0b
NEIC $M_{L4.7}$(PMR)
NEIC Felt I=IV MM on Adak.

(6) Rat Islands

ISC III 26 02 08 57.8±.59 **51.28N**±.028 **179.53E**±.027 **36**±5.2 **6.0b,6.5s 636 2-160**
EIDC III 26 02 08 53.3 51.3N 179.6E 0 5.6b **¶97iii4828**
BJI III 26 02 08 54.6 51.11N 179.78E 33 6.1b,6.6s
NEIC III 26 02 08 57.2 51.28N 179.53E 33 6.0b,6.5s
MOS III 26 02 08 58.6 51.4N 179.6E 41 6.4b,6.8s
HRVD III 26 02 09 03.9±.1 51.23N±.01 179.54E±.01 31±.4
NEIC Mw6.7(HRV), M_L6.3(PMR)
NEIC Radiated energy from the P−wave first−motion solution: 3.2±0.4×10^{13}Nm/28
NEIC Mw 6.6 (GS). Me 6.1 (GS). Felt I=IV MM on Adak. This shallow-dipping thrust earthquake is located very near the eastern end of the rupture zone of the February 4, 1965 magnitude 8.7 (Mw) earthquake, which is also the eastern boundary of the Rat Island block. Mo=2.0×10^{19}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S255°,δ15°,λ90°. NP2:ϕ_S75°,δ75°,λ90°. Principal axes: T Plg60°,Azm345°; P Plg30°,Azm165°. Complex earthquake, with two events occurring about 3 seconds apart. Depth from synthetics of broadband displacement seismogams, based on first event.
NEIC Moment tensor solution: s69, scale 10^{18}Nm; M_{rr}5.47; $M_{\theta\theta}$−4.43; $M_{\phi\phi}$−1.04; $M_{r\theta}$6.06; $M_{r\phi}$3.87; $M_{\theta\phi}$−2.04. Depth 12km; Principal axes: T 9.08,Plg63°,Azm323°; N −0.14,Plg3°, Azm60°; P −8.94,Plg26°,Azm152°. Best double couple: $M_0$9.0×10^{18}Nm; NP1:ϕ_S250°,δ19°, λ101°. NP2:ϕ_S59°,δ72°,λ86°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c134; Mantle waves: s50,c118; Half duration: 5s2. Moment tensor: Scale 10^{18}Nm; M_{rr}7.72±.05; $M_{\theta\theta}$−7.89±.05; $M_{\phi\phi}$0.17±.04; $M_{r\theta}$6.94±.16; $M_{r\phi}$4.20±.13; $M_{\theta\phi}$−2.99±.03. Principal Axes: T 11.2,Plg67°,Azm317°; N 0.9,Plg8°,Azm65°; P −12.1,Plg22°,Azm159°. Best double couple: $M_0$1.2×10^{19}Nm, NP1:ϕ_S263°,δ24°,λ109°. NP2:ϕ_S62°,δ67°,λ82°.

(374) Jordan-Syria region

ISC III 26 04 22 53.1±.20 **33.70N**±.025 **35.41E**±.027 **5** **4.9b,4.7s 316 1-122**
BJI III 26 04 22 50.3 33.22N 35.24E 9 4.7b,5.2s **¶97iii4840**
IPRG III 26 04 22 51.2±.39 33.9N 35.4E 5 5.5L,5.3b
MOS III 26 04 22 51.3 33.4N 35.4E 10 5.4b
NEIC III 26 04 22 51.6 33.39N 35.45E 10 5.0b,4.6s
ISK III 26 04 22 52.9 34.07N 35.20E 10 4.9D
EIDC III 26 04 22 54.1 33.8N 35.5E 0 4.6b,4.8L
IPRG Felt I=III MM
NEIC $M_{L5.6}$(JER), $M_{D5.3}$(RYD)
NEIC About 50 buildings slightly damaged in the Beirut area, Lebanon. Felt throughout Lebanon. Also felt in northern and central Israel and parts of Syria.

(235) Kyūshū

ISC III 26 08 31 46.8±.57 **31.95N**±.018 **130.37E**±.018 **6**±3.5 **5.5b,6.1s 567 0-164**
BJI III 26 08 31 46.1 31.93N 130.36E 8 5.5b,6.5s **¶97iii4864**
NEIC III 26 08 31 47.1 31.92N 130.43E 10 5.6b,5.9s
JMA III 26 08 31 47.9±.1 31.97N±.01 130.36E±.01 12±3 6.5
MOS III 26 08 31 50.5 31.9N 130.5E 33 6.1b,6.4s
EIDC III 26 08 31 50.5 31.9N 130.4E 32 4.9b,6.1s
HRVD III 26 08 31 53.0±.1 32.04N±.01 130.09E±.01 30±1.3
NEIC Mw6.1(HRV), Mw6.0(GS). Casualties I=X MM, landslide/avalanche observed.
NEIC Moment tensor solution: s20, scale 10^{18}Nm; M_{rr}0.18; $M_{\theta\theta}$0.19; $M_{\phi\phi}$−0.38; $M_{r\theta}$0.01; $M_{r\phi}$0.18;

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	$M_{\phi\phi}$1.18. Depth 25km; Principal axes: T 1.14,Plg7°,Azm321°; N 0.18,Plg81°,Azm176°; P −1.32,Plg5°,Azm52°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S97°,δ81°,λ2°. NP2:ϕ_S7°, δ88°,λ171°.						
NEIC	At least 22 people injured, many houses damaged and landslides occurred in Kagoshima Prefecture. Railway services interrupted in Kagoshima Prefecture and airports temporarily closed at Kagoshima, Kumamoto and Miyazaki. Felt I=VI J at Akune, Togomachi and Tsuruda; V J at Miyanojo and Sendai; IV J at Hitoyoshi, Miyakonojo, Okuchi and Yatsushiro; III J at Kurume, Makurazaki, Miyazaki, Oita and Saga. Felt IV J at Ushibuka, Amakusa-Shimo-jima. Also felt in much of Shikoku and parts of western Honshu.						
JMA	Felt I=V J1						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c93; Half duration: 2^{S}8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.23±.02; $M_{\theta\theta}$0.62±.03; $M_{\phi\phi}$−0.40±.03; $M_{r\theta}$0.05±.05; $M_{r\phi}$0.04±.05; $M_{\theta\phi}$1.69±.02. Principal Axes: T 1.88,Plg2°,Azm323°; N −0.23, Plg88°,Azm142°; P −1.65,Plg0°,Azm233°. Best double couple: $M_0$1.8×10^{18}Nm, NP1:ϕ_S8°, δ89°,λ179°. NP2:ϕ_S98°,δ89°,λ1°.						
	(235) Kyūshū						
ISC	**III 26 08 39 03.2**±.65	**31.92N**±.032	**130.19E**±.048	**19**±5.9	**4.4b**	**64**	**0-100**
NEIC	III 26 08 38 58.9	32.11N	130.65E	10	4.6b		**¶97iii4870**
EIDC	III 26 08 38 59.9	31.8N	129.6E	0	4.3b,4.1$_L$		
MOS	III 26 08 39 01.9	32.0N	130.7E	33	4.7b		
JMA	III 26 08 39 02.9±.1	31.97N±.00	130.34E±.00	10±2	4.7		
NEIC	Less reliable solution.						
JMA	Felt I=IV J1						
	(235) Kyūshū						
ISC	**III 26 09 05 01.0**±.50	**31.95N**±.026	**130.38E**±.032	**23**±5.0	**3.9b**	**97**	**0-91**
BJI	III 26 09 04 57.3	31.65N	130.64E	15	4.4$_L$,4.4b		**¶97iii4884**
NEIC	III 26 09 04 58.7	31.95N	130.33E	10	4.2b		
EIDC	III 26 09 04 59.0	31.9N	130.3E	0	3.8b,4.0$_L$		
JMA	III 26 09 05 00.9±.1	31.97N±.00	130.40E±.01	13±2	4.4		
JMA	Felt I=IV J1						
	(244) Taiwan						
ISC	**III 26 09 55 03.5**±.76	**24.43N**±.038	**121.78E**±.056	**2**±7.8	**3.7b**	**26**	**0-59**
BJI	III 26 09 55 02.6	24.63N	121.97E	5	3.7$_L$		**¶97iii4915**
TAP	III 26 09 55 02.8	24.45N	121.77E	10	4.2$_L$		
EIDC	III 26 09 55 11.8	23.9N	123.3E	0	3.7b,3.7$_L$		
NEIC	III 26 09 55 14.2	23.97N	123.13E	33			
TAP	Felt I=III J Neicheng, II Suao						
NEIC	Poor solution.						
	(244) Taiwan						
ISC	**III 26 09 58 19.8**±.88	**24.45N**±.039	**121.8E**±.11	**11**		**15**	**0-2**
TAP	III 26 09 58 18.9	24.44N	121.78E	11	3.3$_L$		**¶97iii4917**
TAP	Felt I=V J						
	(374) Jordan-Syria region						
ISC	**III 26 13 20 21.4**±.68	**33.72N**±.019	**35.43E**±.036	**4**±4.9	**4.5b,4.6s**	**151**	**0-97**
MOS	III 26 13 20 21.8	33.7N	35.5E	10	4.8b		**¶97iii4974**
IPRG	III 26 13 20 21.8±.20	33.7N	35.6E	3±1.9	5.2$_L$,5.2b		
NEIC	III 26 13 20 21.9	33.74N	35.46E	10	4.7b		
EIDC	III 26 13 20 22.0	33.7N	35.4E	0	4.2b,3.8s		
JSO	III 26 13 20 22.4	33.77N	35.65E	2	4.7$_L$		
ISK	III 26 13 20 25.8	34.07N	35.23E	8	4.5$_D$		
BJI	III 26 13 20 27.9	34.86N	35.69E	5	4.9b,5.1s		
IPRG	Felt I=III MM						
NEIC	$M_{L5.0}$(JER), $M_{L5.0}$(BHL)						
NEIC	Felt in parts of Lebanon. Also felt in northern and central Israel.						
	(235) Kyūshū						
ISC	**III 26 13 24 04.9**±.55	**31.93N**±.027	**130.37E**±.031	**18**±5.4	**4.0b**,4.4s	**95**	**0-88**
NEIC	III 26 13 24 02.4	31.88N	130.28E	10	4.5b		**¶97iii4976**
EIDC	III 26 13 24 02.7	31.9N	130.2E	0	3.9b,3.9$_L$		
BJI	III 26 13 24 04.1	31.90N	130.48E	11	4.4$_L$,4.3b		
JMA	III 26 13 24 04.7±.1	31.97N±.00	130.44E±.01	9±2	4.3		
MOS	III 26 13 24 05.2	31.7N	130.4E	33	4.6b		
BJI	Ms4.5						
JMA	Felt I=IV J1						
	(267) Djailolo Gilolo (Halmahera)						
ISC	**III 26 18 18 35.3**±.69	**2.78N**±.024	**128.21E**±.029	**134**±6.8	**5.7b**	**345**	**5-167**
BJI	III 26 18 18 34.4	2.77N	128.34E	132	6.2b		**¶97iii5051**
NEIC	III 26 18 18 34.7	2.80N	128.24E	127	5.7b		
MOS	III 26 18 18 35.6	2.8N	128.2E	135	6.1b		
EIDC	III 26 18 18 36.3	2.8N	128.3E	127	5.2b,4.6s		
HRVD	III 26 18 18 39.4±.2	2.94N±.02	128.25E±.02	131±.9			
NEIC	Mw5.8(GS), Mw5.8(HRV). Felt.						
NEIC	Felt at Tomohon and Tondano, Sulawesi.						
NEIC	Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}3.39; $M_{\theta\theta}$2.49; $M_{\phi\phi}$−5.88; $M_{r\theta}$2.36; $M_{r\phi}$2.65; $M_{\theta\phi}$0.48. Depth 113km; Principal axes: T 5.83,Plg52°,Azm341°; N 0.76,Plg34°,Azm192°; P −6.59,Plg15°,Azm91°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S143°,δ42°,λ34°. NP2: ϕ_S27°,δ68°,λ127°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c72; Half duration: 2^{S}0. Moment tensor: Scale 10^{17}Nm; M_{rr}3.15±.08; $M_{\theta\theta}$1.92±.12; $M_{\phi\phi}$−5.07±.13; $M_{r\theta}$2.20±.08; $M_{r\phi}$2.63±.08; $M_{\theta\phi}$2.81±.12. Principal Axes: T 6.12,Plg47°,Azm332°; N 0.30, Plg41°,Azm174°; P −6.42,Plg11°,Azm74°. Best double couple: $M_0$6.3×10^{17}Nm, NP1: ϕ_S126°,δ49°,λ30°. NP2:ϕ_S15°,δ68°,λ135°.						
	(235) Kyūshū						
ISC	**III 26 20 19 21.8**±.78	**32.02N**±.029	**130.44E**±.037	**2**±6.4	**3.9b**	**65**	**0-72**
JMA	III 26 20 19 22.4±.0	31.97N±.00	130.42E±.00	10±2	3.9		**¶97iii5067**
NEIC	III 26 20 19 23.0	32.05N	130.46E	10			
EIDC	III 26 20 19 24.2	32.0N	130.5E	0	3.7b,3.5$_L$		
NEIC	Felt I=III J at Miyanojo.						
	(383) Northwestern Balkan region						
ISC	**III 27 06 14 44**±4.0	**42.0N**±.25	**21.3E**±.24	**10**		**5**	**0-1**
SKO	III 27 06 14 43.6	42.01N	21.26E	10			**¶97iii5156**
SKO	Felt I=IV MSK Skopje region						
	(377) Spain						
ISC	**III 27 09 12 03**±1.0	**38.65N**±.080	**1.1W**±.19	**20**±28		**8**	**1-3**
NEIC	III 27 09 12 01.8	38.66N	1.13W	10			**¶97iii5179**
MDD	III 27 09 12 03.2	38.65N	1.11W	10	3.0		
NEIC	mbLg2.9(MDD). Single network solution.						
MDD	Felt I=II−III MSK, Yecla						
	(36) Northern California						
ISC	**III 27 10 10 45**±1.5	**38.15N**±.070	**122.0W**±.12	**51**±37		**11**	**0-3**
NEIC	III 27 10 10 45.2	38.15N	121.94W	21			**¶97iii5193**
NEIC	M_D3.2(GM). Felt, After GM−P.						
NEIC	Felt at Concord, Fairfield and Pittsburg.						
	(36) Northern California						
ISC	**III 27 11 30 07.1**±.53	**38.17N**±.040	**122.02W**±.083	**31**±8.5		**25**	**0-5**
NEIC	III 27 11 30 07.0	38.15N	121.95W	21			**¶97iii5208**
NEIC	M_D3.4(GM), M_L3.3(BRK). Felt, After GM−P.						
NEIC	ML 3.2 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.						
	(36) Northern California						
ISC	**III 27 13 38 08.7**±.60	**38.17N**±.044	**121.94W**±.093	**29**±9.8		**22**	**0-4**
NEIC	III 27 13 38 08.8	38.15N	121.93W	21			**¶97iii5236**
NEIC	M_D3.2(GM), M_L3.0(BRK). Felt, After GM−P.						
NEIC	ML 3.0 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.						
	(36) Northern California						
ISC	**III 27 14 01 24.1**±.52	**38.18N**±.040	**122.01W**±.087	**31**±7.7		**23**	**0-4**
NEIC	III 27 14 01 24.2	38.15N	121.94W	21			**¶97iii5240**
NEIC	M_D3.4(GM), M_L3.2(BRK). Felt, After GM−P.						
NEIC	ML 3.0 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.						
	(36) Northern California						
ISC	**III 27 15 39 48.9**±.50	**38.17N**±.041	**121.97W**±.074	**29**±8.4	**3.2b**	**36**	**0-40**
EIDC	III 27 15 39 45.3	37.9N	122.1W	0	3.3b,3.3$_L$		**¶97iii5260**
NEIC	III 27 15 39 49.0	38.15N	121.95W	21			
NEIC	M_D3.7(GM), M_L3.5(BRK). Felt, After GM−P.						
NEIC	ML 3.4 (GS). Felt at Concord, Fairfield, Martinez, Pittsburg and as far as San Francisco.						
	(36) Northern California						
ISC	**III 27 17 16 42.5**±.82	**38.20N**±.067	**121.9W**±.11	**23**		**7**	**0-1**
NEIC	III 27 17 16 42.8	38.16N	121.95W	23			**¶97iii5269**
NEIC	M_D3.3(GM). Felt, After GM−P.						
NEIC	Felt at Concord, Fairfield and Pittsburg.						
	(36) Northern California						
ISC	**III 27 18 01 43.0**±.67	**38.19N**±.047	**122.00W**±.091	**32**±8.8		**17**	**0-4**
NEIC	III 27 18 01 43.1	38.15N	121.95W	22			**¶97iii5277**
NEIC	M_D3.3(GM), M_L3.0(BRK). Felt, After GM−P.						
NEIC	ML 2.9 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.						
	(36) Northern California						
ISC	**III 27 22 47 53.1**±.54	**38.18N**±.042	**122.07W**±.095	**32**±8.1		**22**	**0-4**
NEIC	III 27 22 47 53.0	38.15N	121.94W	22			**¶97iii5323**
NEIC	M_D3.5(GM), M_L3.4(BRK). Felt, After GM−P.						
NEIC	ML 3.3 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.						
	(36) Northern California						
ISC	**III 27 22 53 07.6**±.52	**38.19N**±.042	**122.05W**±.085	**32**±7.4		**23**	**0-4**
NEIC	III 27 22 53 07.6	38.15N	121.94W	22			**¶97iii5324**
NEIC	M_D3.4(GM), M_L3.2(BRK). Felt, After GM−P.						
NEIC	ML 3.1 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.						
	(73) El Salvador						
ISC	**III 28 02 01 05**±1.9	**13.2N**±.22	**89.46W**±.098	**71**±6.1	**3.9b**	**29**	**1-148**
NEIC	III 28 02 01 03.2	12.98N	89.66W	33			**¶97iii5347**
EIDC	III 28 02 01 18.9	13.6N	89.3W	163	3.6b,3.3s		
NEIC	MD4.0(SSS). Felt I=IV MM San Salvador, El Salvador, single network solution						
	(76) Off coast of Central America						
ISC	**III 28 03 14 31**±2.0	**12.4N**±.21	**89.9W**±.19	**33**	**3.9b**	**19**	**1-148**
NEIC	III 28 03 14 37.8	12.88N	89.67W	33			**¶97iii5351**
EIDC	III 28 03 15 02.9	14.0N	89.5W	219	3.4b		
NEIC	Felt I=III MM San Salvador, El Salvador, poor solution						
	(39) Central California						
ISC	**III 28 04 26 32**±1.5	**37.30N**±.085	**122.1W**±.14	**14**±10		**9**	**0-3**
NEIC	III 28 04 26 31.5	37.31N	122.10W	6			**¶97iii5359**
NEIC	M_D2.5(GM). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
	(710) Pakistan						
ISC	**III 28 21 52 26**±1.2	**30.05N**±.087	**67.95E**±.064	**35**±9.9	**4.0b**,3.2s	**39**	**1-145**
NEIC	III 28 21 52 25.9	30.08N	67.99E	33	4.1b		**¶97iii5490**
BJI	III 28 21 52 26.0	30.18N	67.84E	32	4.5b,4.3s		
MOS	III 28 21 52 28.1	30.4N	68.3E	33	4.4b		
EIDC	III 28 21 52 29.5	30.1N	68.0E	48	3.8b,3.2s		
NEIC	Felt at Quetta.						
	(710) Pakistan						
ISC	**III 28 22 27 41**±1.1	**30.22N**±.096	**68.00E**±.063	**41**±9.2	**4.0b**	**37**	**1-88**
BJI	III 28 22 27 38.9	30.21N	67.89E	32	4.6b		**¶97iii5493**
NEIC	III 28 22 27 39.9	30.23N	68.00E	33	3.9b		
MOS	III 28 22 27 41.6	30.4N	68.0E	33	4.5b		
EIDC	III 28 22 27 45.0	30.3N	68.0E	61	3.8b,4.2$_L$		
NEIC	Less reliable solution.						
NEIC	Felt at Quetta.						
	(244) Taiwan						
ISC	**III 29 08 07 33**±1.2	**23.99N**±.071	**121.6E**±.13	**6**±10		**8**	**0-1**
TAP	III 29 08 07 31.9	23.99N	121.61E	9	2.6$_L$		**¶97iii5559**
TAP	Felt I=III J Hwalien						
	(244) Taiwan						
ISC	**III 29 10 33 07.6**±.73	**23.13N**±.044	**121.54E**±.057	**21**±9.1		**25**	**0-3**
TAP	III 29 10 33 07.5	23.17N	121.53E	24	4.1$_L$		**¶97iii5573**
JMA	III 29 10 33 09.3±.2	23.16N±.02	121.62E±.02	87			
TAP	Felt I=III J Chengkung						
	(244) Taiwan						
ISC	**III 29 12 16 42.1**±.82	**23.70N**±.057	**120.28E**±.084	**27**±8.2		**18**	**0-2**
TAP	III 29 12 16 41.8	23.71N	120.31E	26	3.8$_L$		**¶97iii5585**
TAP	Felt I=III J, II Chiayi						
	(244) Taiwan						
ISC	**III 29 17 28 42**±1.6	**23.98N**±.075	**121.7E**±.15	**5**±12		**7**	**0-1**
TAP	III 29 17 28 40.9	23.98N	121.62E	9	2.5$_L$		**¶97iii5627**
TAP	Felt I=II J Hwalien						
	(43) Southern California						
ISC	**III 30 03 44 59**±1.3	**34.13N**±.086	**116.5W**±.14	**2**		**5**	**1-2**
NEIC	III 30 03 44 59.1	34.16N	116.42W	2			**¶97iii5689**
NEIC	M_D2.6(PAS). Felt, After PAS.						
NEIC	Felt at Yucca Valley.						
	(546) Austria						
ISC	**III 30 04 18 02.4**±.57	**47.61N**±.043	**16.05E**±.060	**5**		**43**	**1-6**
NEIC	III 30 04 18 02.8	47.66N	16.04E	5			**¶97iii5693**
SZGRF	III 30 04 18 06.3	47.81N	15.95E	1	3.5$_L$		
NEIC	M_L3.2(CLL), M_L3.1(VIE).Less reliable solution.						
NEIC	ML 2.8 (FUR). Felt I=IV MM at Ternitz.						
	(383) Northwestern Balkan region						
ISC	**III 30 07 39 47**±1.7	**46.49N**±.074	**14.3E**±.23	**12**		**5**	**1-1**
LJU	III 30 07 39 47.7	46.5N	14.4E	12			**¶97iii5720**
ISC	Poorly determined						
NEIC	Felt I=III MSK AT Lampichl, Carinthia (after MOA)						
	(721) Finland						
HEL	**III 30 21 02 01**	**68.04N**	**23.83E**		**2.1$_L$**		**¶97iii5807**
EIDC	III 30 21 02 00.5	68.1N	23.7E	0	2.7$_L$		
	(7) Andreanof Islands						
ISC	**III 30 23 05 57**±1.6	**51.36N**±.037	**178.10W**±.034	**32**±11	**5.3b,4.9s**	**426**	**1-156**
BJI	III 30 23 05 55.6	51.34N	177.98W	32	5.3b,5.1s		**¶97iii5818**
MOS	III 30 23 05 57.1	51.5N	178.1W	28	5.6b,5.1s		
NEIC	III 30 23 05 57.3	51.37N	178.09W	33	5.4b,4.9s		
HRVD	III 30 23 05 57.8±.5	51.20N±.05	177.75W±.09	47±3.9			
EIDC	III 30 23 05 58.6	51.4N	178.0W	32	4.8b,4.8s		
NEIC	Mw5.5(HRV), M_L5.5(PMR)						
NEIC	Felt on Adak.						

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c41; Half duration: 1^{s}5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.04; $M_{\theta\theta}$−1.29±.06; $M_{\phi\phi}$0.69±.06; $M_{r\theta}$1.35±.11; $M_{r\phi}$0.71±.09; $M_{\theta\phi}$0.31±.07. Principal Axes: T 1.83,Plg48°,Azm304°; N 0.17, Plg29°,Azm71°; P −1.99,Plg28°,Azm179°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S317°,δ32°,λ158°. NP2:ϕ_S65°,δ79°,λ60°.

(42) Western Arizona

ISC	**III**	**31 07 34 49.3**±.57	**35.55N**±.047	**112.00W**±.058	**5**		**25**	**0-9**
NEIC	III	31 07 34 48.9	35.53N	111.99W	5			**¶97iii5861**
EIDC	III	31 07 34 50.2	35.5N	112.4W	0	3.1L		

NEIC $M_{L3.7}$(GS)
NEIC Felt at Flagstaff, Grand Canyon Village and Valle.

(218) Near east coast of Kamchatka

ISC	**III**	**31 11 39 29.6**±.59	**51.62N**±.045	**158.03E**±.056	**66**±4.8	**4.8b**	**188**	**1-147**
BJI	III	31 11 39 26.8	51.65N	158.19E	58	5.0b,4.7s		**¶97iii5883**
NEIC	III	31 11 39 28.5	51.67N	158.07E	56	5.0b		
KRSC	III	31 11 39 28.5	51.37N	158.43E	40	4.9b		
MOS	III	31 11 39 28.7	51.6N	158.1E	63	5.2b		
EIDC	III	31 11 39 30.0	51.6N	158.1E	57	4.5b,3.3s		

NEIC Felt I=II MM at Paramushir.
MOS Felt I=I−II MSK Severo−kirilsk

(42) Western Arizona

ISC	**III**	**31 15 46 10**±1.5	**35.50N**±.076	**112.0W**±.11	**1**±13		**15**	**0-5**
NEIC	III	31 15 46 09.9	35.50N	112.04W	5			**¶97iii5900**

NEIC $M_{L3.3}$(GS)
NEIC Felt at Valle.

(89) Mona Passage

ISC	**III**	**31 18 21 13**±1.5	**18.0N**±.22	**67.41W**±.066	**10**		**7**	**0-1**
NEIC	III	31 18 21 12.5	18.02N	67.41W	10			**¶97iii5916**

NEIC M_D3.4(MPR). Less reliable solution.
NEIC Felt I=IV MM at Mayaguez, Puerto Rico.

(377) Spain

ISC	**III**	**31 19 58 26.4**±.50	**37.15N**±.048	**3.85W**±.040	**18**±6.9		**55**	**0-12**
NEIC	III	31 19 58 26.4	37.11N	3.91W	10			**¶97iii5924**
MDD	III	31 19 58 27.5	37.08N	3.90W	4	3.4		
LIS	III	31 19 58 28	37.10N	3.90W	5	3.4L		
LDG	III	31 19 58 30.1	37.3N	4.0W	15	3.4L		

NEIC mbLg3.5(MDD),
NEIC Felt I=II MM in the Chimeneas area.
MDD Felt I=II−III MSK, Cacin

(36) Northern California

ISC	**IV**	**01 01 36 54.7**±.53	**38.18N**±.041	**122.03W**±.078	**31**±8.8	2.7b	**31**	**0-25**
NEIC	IV	01 01 36 54.8	38.15N	121.94W	22			**¶97iv0011**

NEIC M_D3.6(GM), M_L3.4(BRK). Felt, After GM−P.
NEIC ML 3.2 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.

(366) Turkey

ISC	**IV**	**01 11 25 39.8**±.42	**38.34N**±.035	**31.13E**±.041	**35**±4.8	**4.0b,3.8s**	**117**	**1-101**
EIDC	IV	01 11 25 33.7	38.0N	31.6E	0	4.0b,3.9s		**¶97iv0060**
NEIC	IV	01 11 25 34.5	38.16N	31.31E	10	4.3b		
ISK	IV	01 11 25 35.2	38.31N	31.18E	10	4.2D		
MOS	IV	01 11 25 37.4	38.3N	31.0E	10	4.3b		

NEIC Felt at Yalvac and in parts of Konya.

(163) Cook Strait, New Zealand

ISC	**IV**	**01 13 26 56.4**±.45	**40.19S**±.046	**173.28E**±.079	**155**	4.5b	**39**	**1-50**
WEL	IV	01 13 26 59.2	40.23S	173.57E	155	4.8L		**¶97iv0074**

WEL Felt Paekakariki and Plimmerton.

(83) South of Panama

ISC	**IV**	**01 15 11 49**±1.1	**7.78N**±.034	**82.39W**±.028	**31**±7.7	**5.4b,5.5s**	**470**	**1-155**
EIDC	IV	01 15 11 44.2	7.9N	82.2W	0	4.7b,5.0s		**¶97iv0087**
NEIC	IV	01 15 11 49.0	7.77N	82.40W	33	5.7b,5.4s		
MOS	IV	01 15 11 49.4	7.8N	82.4W	33	6.0b,5.5s		
BJI	IV	01 15 11 50.0	7.82N	82.41W	39	6.2s		
HRVD	IV	01 15 11 53.9±.1	7.70N±.01	82.21W±.01	23±1.0			

NEIC Mw6.1(HRV), M_D5.3(UPA)
NEIC Mw 6.0 (GS). Felt in Chiriqui Province.
NEIC Moment tensor solution: s19, scale 10^{18}Nm; M_{rr}−0.03; $M_{\theta\theta}$0.47; $M_{\phi\phi}$−0.43; $M_{r\theta}$−0.08; $M_{r\phi}$0.23; $M_{\theta\phi}$1.21. Depth 17km; Principal axes: T 1.31,Plg3°,Azm325°; N 0.00,Plg79°, Azm221°; P −1.31,Plg10°,Azm55°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S100°,δ81°, λ−5°. NP2:ϕ_S191°,δ85°,λ−171°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c103; Mantle waves: s46,c70; Half duration: 2^{s}6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.03±.01; $M_{\theta\theta}$−0.29±.01; $M_{\phi\phi}$0.32±.02; $M_{r\theta}$0.23±.03; $M_{r\phi}$0.36±.04; $M_{\theta\phi}$1.47±.01. Principal Axes: T 1.62,Plg14°,Azm309°; N −0.14,Plg76°,Azm138°; P −1.49,Plg2°,Azm39°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S85°,δ78°,λ9°. NP2:ϕ_S353°,δ81°,λ168°.

(123) Northern Chile

ISC	**IV**	**01 18 33 32.3**±.12	**18.25S**±.025	**69.48W**±.029	**114**±.6*	**5.9b**	**535**	**2-179**
MOS	IV	01 18 33 19.6	18.0S	69.4W	15	6.3b,5.6s		**¶97iv0122**
BJI	IV	01 18 33 32.1	17.85S	69.50W	103			
NEIC	IV	01 18 33 32.2	18.30S	69.53W	114	5.9b		
EIDC	IV	01 18 33 34.0	18.3S	69.4W	116	5.6b		
HRVD	IV	01 18 33 38.2±.1	18.32S±.01	69.54W±.01	118±.8			

NEIC Mw6.2(GS), Me5.9(GS)
NEIC Radiated energy from the P−wave first−motion solution: 1.6±0.4×10^{13}Nm/14
NEIC Mw 6.2 (HRV). Mb 6.2 (BRK). Felt I=V MM at Iquique and IV MM at Arica, Camarones and Putre. Felt V MM at Tacna, Peru. Landslides, avalanches and power outages occurred in the epicentral area.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S347°,δ82°,λ−55°. NP2:ϕ_S88°,δ36°,λ−166°. Principal axes: T Plg28°,Azm50°; P Plg42°,Azm290°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}−0.59; $M_{\theta\theta}$−0.27; $M_{\phi\phi}$0.86; $M_{r\theta}$0.35; $M_{r\phi}$−1.38; $M_{\theta\phi}$1.09. Depth 111km; Principal axes: T 1.98,Plg24°,Azm112°; N −0.06,Plg37°, Azm2°; P −1.92,Plg43°,Azm227°. Best double couple: $M_0$1.9×10^{18}Nm; NP1:ϕ_S250°,δ40°, λ−18°. NP2:ϕ_S354°,δ79°,λ−128°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c110; Mantle waves: s38,c63; Half duration: 2^{s}8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.79±.02; $M_{\theta\theta}$−0.70±.03; $M_{\phi\phi}$1.49±.03; $M_{r\theta}$0.53±.02; $M_{r\phi}$−1.31±.02; $M_{\theta\phi}$0.25±.03. Principal Axes: T 2.08,Plg25°,Azm90°; N −0.36,Plg27°,Azm347°; P −1.72,Plg52°,Azm216°. Best double couple: $M_0$1.9×10^{18}Nm, NP1:ϕ_S222°,δ32°,λ−30°. NP2:ϕ_S339°,δ75°,λ−118°.

(36) Northern California

ISC	**IV**	**01 18 37 18.7**±.74	**38.16N**±.061	**121.97W**±.096	**25**±8.2		**19**	**0-4**
NEIC	IV	01 18 37 18.6	38.16N	121.94W	21			**¶97iv0124**

NEIC M_D3.4(GM), M_L3.1(BRK). Felt, After GM−P.
NEIC Felt at Concord, Fairfield, Martinez and Pittsburg.

(123) Northern Chile

ISC	**IV**	**01 18 42 08**±1.1	**18.22S**±.035	**69.25W**±.038	**56**±11	**5.8b,5.8s**	**441**	**2-171**
MOS	IV	01 18 42 01.8	18.1S	69.2W	11	6.0b		**¶97iv0125**
NEIC	IV	01 18 42 14.0	18.35S	69.35W	116	5.8b		
BJI	IV	01 18 42 14.2	17.98S	69.29W	108			
EIDC	IV	01 18 42 15.6	18.3S	69.4W	116	5.3b		
HRVD	IV	01 18 42 18.1±.3	18.07S±.03	69.62W±.03	106±1.8			

NEIC Mw6.2(HRV), Mw6.1(GS)
NEIC Felt in the Arica-Iquique area. Also felt in the Tacna area, Peru.
NEIC Moment tensor solution: s35, scale 10^{18}Nm; M_{rr}−0.30; $M_{\theta\theta}$−0.67; $M_{\phi\phi}$0.97; $M_{r\theta}$0.79; $M_{r\phi}$−1.23; $M_{\theta\phi}$0.40. Depth 108km; Principal axes: T 1.72,Plg32°,Azm88°; N 0.04,Plg31°, Azm336°; P −1.76,Plg42°,Azm212°. Best double couple: $M_0$1.7×10^{18}Nm; NP1:ϕ_S233°,δ32°, λ−11°. NP2:ϕ_S332°,δ84°,λ−121°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c37; Mantle waves: s29,c44; Half duration: 2^{s}9. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.72±.06; $M_{\theta\theta}$−0.51±.05; $M_{\phi\phi}$1.23±.05; $M_{r\theta}$0.78±.04; $M_{r\phi}$−1.38±.04; $M_{\theta\phi}$−0.72±.04. Principal Axes: T 2.30,Plg27°,Azm68°; N −0.70,Plg13°,Azm331°; P −1.60,Plg59°,Azm218°. Best double couple: $M_0$2.0×10^{18}Nm, NP1:ϕ_S188°,δ21°,λ−51°. NP2:ϕ_S327°,δ74°,λ−104°.

(543) Germany

ISC	**IV**	**01 21 59 40.3**±.46	**48.38N**±.047	**9.01E**±.047	**13**±7.5		**28**	**0-4**
LEDBW	IV	01 21 59 41.6	48.36N	9.01E	9	2.1L		**¶97iv0146**
SZGRF	IV	01 21 59 41.9	48.39N	8.99E	10	2.1L		
NEIC	IV	01 21 59 42.3	48.32N	8.91E	5			

LEDBW Felt I=III MSK
NEIC $M_{L2.5}$(STR), $M_{L2.3}$(FUR).

(244) Taiwan

ISC	**IV**	**02 03 38 53**±1.3	**24.42N**±.091	**121.7E**±.15	**11**		**5**	**0-1**
TAP	IV	02 03 38 51.7	24.46N	121.73E	11	2.1L		**¶97iv0186**

TAP Felt I=III J

(159) North Island, New Zealand

ISC	**IV**	**02 05 59 59.2**±.66	**39.83S**±.038	**174.69E**±.068	**26**±8.3		**25**	**0-5**
WEL	IV	02 05 59 59.6	39.83S	174.72E	18	4.1L		**¶97iv0195**

WEL Felt Wanganui.

(95) Windward Islands

ISC	**IV**	**02 06 14 33.6**±.34	**11.47N**±.023	**61.19W**±.019	**73**±3.0	**5.6b**	**653**	**0-171**
EIDC	IV	02 06 14 27.7	11.4N	61.1W	16	5.4b,5.0s		**¶97iv0196**
NEIC	IV	02 06 14 31.0	11.41N	60.94W	45	5.8b,5.5s		
BJI	IV	02 06 14 31.4	11.76N	61.26W	45	6.0s		
TRN	IV	02 06 14 32.4	11.4N	60.8W	34	5.6D		
MOS	IV	02 06 14 32.6	11.5N	61.2W	61	6.1b,5.4s		
HRVD	IV	02 06 14 35.6±.1	11.39N±.01	60.74W±.01	34±1.0			

NEIC Mw6.1(GS)
NEIC Mw 6.1 (HRV). Some damage to buildings on Trinidad and Tobago. Felt I=VI MM on Tobago; IV MM on Trinidad; II MM on Martinique and St. Vincent. Also felt II MM in Guyana.
NEIC Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}−0.10; $M_{\theta\theta}$0.21; $M_{\phi\phi}$−0.11; $M_{r\theta}$0.47; $M_{r\phi}$−0.02; $M_{\theta\phi}$1.43. Depth 46km; Principal axes: T 1.56,Plg12°,Azm320°; N −0.09,Plg72°, Azm88°; P −1.47,Plg14°,Azm227°. Best double couple: $M_0$1.5×10^{18}Nm; NP1:ϕ_S3°,δ72°, λ−178°. NP2:ϕ_S273°,δ88°,λ−18°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c102; Mantle waves: s49,c71; Half duration: 2^{s}6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.08±.01; $M_{\theta\theta}$−0.57±.01; $M_{\phi\phi}$0.64±.01; $M_{r\theta}$0.63±.03; $M_{r\phi}$−0.19±.03; $M_{\theta\phi}$1.21±.01. Principal Axes: T 1.42,Plg7°,Azm303°; N 0.18,Plg66°,Azm50°; P −1.59,Plg23°,Azm210°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S349°,δ69°,λ−168°. NP2:ϕ_S255°,δ79°,λ−22°.

(383) Northwestern Balkan region

LJU	**IV**	**02 16 34 29.6**	**45.9N**	**14.6E**	**7**			**¶97iv0272**

LJU Felt I=IV−V EMS in Podpec, Slovenia

(244) Taiwan

ISC	**IV**	**02 17 15 47**±1.0	**23.54N**±.071	**120.86E**±.071	**2**		**6**	**0-1**
TAP	IV	02 17 15 45.6	23.49N	120.86E	2	2.5L		**¶97iv0275**

TAP Felt I=II J Alishan

(7) Andreanof Islands

ISC	**IV**	**02 18 25 50.9**±.85	**51.79N**±.039	**173.73W**±.034	**39**±7.4	**5.1b,5.3s**	**349**	**2-153**
BJI	IV	02 18 25 49.0	51.83N	173.77W	33	5.4b,5.4s		**¶97iv0283**
EIDC	IV	02 18 25 49.1	51.9N	173.8W	18	4.8b,5.2L		
MOS	IV	02 18 25 50.1	51.8N	173.8W	33	5.4b,5.3s		
NEIC	IV	02 18 25 50.1	51.82N	173.72W	33	5.1b,5.2s		
HRVD	IV	02 18 25 53.4±.2	51.81N±.02	173.60W±.03	41±1.5			

NEIC Mw5.7(HRV), M_L5.4(PMR)
NEIC Felt I=IV MM on Atka.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c95; Half duration: 1^{s}8. Moment tensor: Scale 10^{17}Nm; M_{rr}2.94±.05; $M_{\theta\theta}$−2.66±.07; $M_{\phi\phi}$−0.28±.07; $M_{r\theta}$1.83±.14; $M_{r\phi}$0.97±.12; $M_{\theta\phi}$−1.50±.08. Principal Axes: T 3.56,Plg73°,Azm329°; N 0.45, Plg1°,Azm64°; P −4.01,Plg17°,Azm154°. Best double couple: $M_0$3.8×10^{17}Nm, NP1:ϕ_S246°, δ28°,λ93°. NP2:ϕ_S63°,δ62°,λ89°.

(235) Kyushu

ISC	**IV**	**02 19 33 22.7**±.62	**31.93N**±.021	**130.31E**±.020	**13**±4.0	**5.1b,5.1s**	**392**	**0-157**
MOS	IV	02 19 33 21.1	31.9N	130.3E	10	5.5b,5.3s		**¶97iv0292**
EIDC	IV	02 19 33 21.3	31.9N	130.3E	0	4.8b,4.6s		
BJI	IV	02 19 33 21.6	31.91N	130.32E	11	5.5L,5.1b		
NEIC	IV	02 19 33 22.2	31.82N	130.09E	10	5.1b,5.0s		
JMA	IV	02 19 33 23.3±.1	31.97N±.00	130.32E±.01	15±2	5.6		
HRVD	IV	02 19 33 26.5±.3	31.82N±.05	130.17E±.06	15			

BJI Ms5.6
NEIC Mw5.5(HRV)
NEIC At least four people injured, five buildings damaged, landslides, avalanches and road damage in Kagoshima Prefecture. Felt I=V J at Akune, Miyanojo and Sendai. Felt in parts of Kumamoto and Miyazaki Prefectures.
JMA Felt I=V J1
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c50; Half duration: 1^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.20±.07; $M_{\theta\theta}$0.38±.06; $M_{\phi\phi}$−0.18±.09; $M_{r\theta}$0.83±.24; $M_{r\phi}$0.58±.25; $M_{\theta\phi}$1.58±.07. Principal Axes: T 2.14,Plg23°,Azm321°; N −0.62, Plg66°,Azm128°; P −1.52,Plg5°,Azm229°. Best double couple: $M_0$1.8×10^{17}Nm, NP1:ϕ_S2°, δ70°,λ166°. NP2:ϕ_S97°,δ77°,λ20°.

(236) Shikoku

ISC	**IV**	**02 21 47 32.0**±.20	**33.36N**±.024	**132.38E**±.022	**54**±2.2	**4.8b,4.5s**	**286**	**0-169**
BJI	IV	02 21 47 30.6	33.18N	132.54E	65	5.0b,4.6s		**¶97iv0323**
NEIC	IV	02 21 47 30.9	33.36N	132.22E	46	4.9b,4.6s		
MOS	IV	02 21 47 31.1	33.3N	132.4E	53	5.3b		
JMA	IV	02 21 47 31.9±.1	33.38N±.01	132.43E±.01	52±2	4.9		
EIDC	IV	02 21 47 32.5	33.4N	132.5E	47	4.3b,4.0s		
HRVD	IV	02 21 47 38.0±.9	33.55N±.11	131.66E±.09	46			

NEIC Mw5.1(HRV)
NEIC Felt I=IV J at Uwajima. Felt IV J at Kamae, Kyushu. Also felt in the Chugoku region, Honshu.
JMA Felt I= IV J1
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c12; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−3.36±.44; $M_{\theta\theta}$1.17±.85; $M_{\phi\phi}$2.19±.64; $M_{r\theta}$−2.57±.83; $M_{r\phi}$3.65±.71; $M_{\theta\phi}$−1.15±.52. Principal Axes: T 5.25,Plg27°,Azm236°; N 0.43, Plg1°,Azm145°; P −5.68,Plg63°,Azm54°. Best double couple: $M_0$5.5×10^{16}Nm, NP1:ϕ_S328°, δ18°,λ−87°. NP2:ϕ_S145°,δ72°,λ−91°.

(244) Taiwan

ISC	**IV**	**02 22 36 42.5**±.55	**24.71N**±.035	**121.79E**±.052	**12**±3.9	**3.8b**	**33**	**0-82**
TAP	IV	02 22 36 41.9	24.69N	121.74E	12	4.3L		**¶97iv0338**
BJI	IV	02 22 36 44.6	24.76N	121.66E	33	3.8L,4.1b		
NEIC	IV	02 22 36 46.6	24.67N	121.88E	50	3.5b		
EIDC	IV	02 22 36 59.2	24.6N	121.7E	156	3.2b		

TAP Felt I=IV J, III Ilan, Neicheng, Suao, I Taipei
BJI Ms3.7
NEIC Less reliable solution.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(244) Taiwan						
ISC	**IV 02 22 43 57.8**±.72	**24.69N**±.043	**121.75E**±.073	**7**		**11**	**0-1**
TAP	IV 02 22 43 57.0	24.69N	121.72E	7	2.8L		**¶97iv0342**
TAP	Felt I=III J						
	(447) Southern Québec Province						
ISC	**IV 03 04 44 11.7**±.37	**45.96N**±.035	**72.36W**±.056	**5**		**31**	**1-7**
NEIC	IV 03 04 44 12.0	45.98N	72.33W	5			**¶97iv0380**
OTT	IV 03 04 44 12.7	46.0N	72.3W	18	3.6N		
NEIC	mbLg3.5(OTT)						
OTT	Felt. Southern Quebec. Felt by many people in the Drummondville region. Many calls to local police station. Most thought tremor was caused by an airplane. 15km northeast from Drummondville, Quebec.						
	(244) Taiwan						
ISC	**IV 03 08 41 45**±1.6	**24.46N**±.090	**121.8E**±.18	**12**±12		**6**	**0-1**
TAP	IV 03 08 41 44.7	24.50N	121.81E	20	2.5L		**¶97iv0400**
TAP	Felt I=III J						
	(235) Kyūshū						
ISC	**IV 03 17 33 41.2**±.59	**31.97N**±.032	**130.39E**±.032	**20**±5.5	**4.2b,4.5s**	**113**	**0-157**
MOS	IV 03 17 33 36.0	31.5N	130.5E	10	4.6b,4.5s		**¶97iv0458**
NEIC	IV 03 17 33 38.7	31.87N	130.40E	10	4.4b,4.3s		
BJI	IV 03 17 33 39.6	31.91N	130.61E	13	4.5L,4.5b		
JMA	IV 03 17 33 40.6±.1	31.96N±.01	130.39E±.01	14±3	4.6		
EIDC	IV 03 17 33 42.2	31.9N	130.3E	20	4.0b,3.7s		
BJI	Ms4.7						
JMA	Felt I= IV J1						
	(523) Central Mexico						
ISC	**IV 03 21 22 29.0**±.35	**18.05N**±.032	**98.27W**±.030	**65**±3.2	**4.9b**	**247**	**1-148**
BJI	IV 03 21 22 27.3	18.52N	98.29W	36	5.4s		**¶97iv0478**
NEIC	IV 03 21 22 28.3	18.14N	98.22W	57	5.1b		
MEX	IV 03 21 22 31.7	18.0N	98.3W	30	4.8D		
MOS	IV 03 21 22 35.0	18.5N	98.0W	96	5.1b		
HRVD	IV 03 21 22 35.2±.5	18.51N±.04	98.10W±.08	52±4.9			
EIDC	IV 03 21 22 35.8	18.3N	98.2W	108	4.6b		
NEIC	Mw5.2(HRV)						
NEIC	Felt at Mexico City.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c29; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.14±.61; $M_{\theta\theta}$5.21±.68; $M_{\phi\phi}$0.93±1.18; $M_{r\theta}$−3.94±.81; $M_{r\phi}$−1.18±.61; $M_{\theta\phi}$1.11±.52. Principal Axes: T 6.79,Plg18°,Azm166°; N 0.67, Plg1°,Azm75°; P −7.45,Plg72°,Azm342°. Best double couple: $M_0$7.1×10^{16}Nm, NP1:ϕ_S258°, δ27°,λ−87°. NP2:ϕ_S75°,δ63°,λ−91°.						
	(218) Near east coast of Kamchatka						
ISC	**IV 03 22 40 39.0**±.46	**53.35N**±.043	**160.41E**±.053	**57**±4.1	**4.8b,4.2s**	**197**	**0-144**
NEIC	IV 03 22 40 36.5	53.43N	160.40E	33	5.0b,4.3s		**¶97iv0494**
BJI	IV 03 22 40 36.8	53.66N	160.00E	37	4.7b,4.5s		
MOS	IV 03 22 40 37.0	53.5N	160.4E	33	5.2b,4.2s		
EIDC	IV 03 22 40 40.0	53.4N	160.3E	49	4.4b,3.8s		
KRSC	IV 03 22 40 40.1	53.35N	160.37E	38	4.8b		
MOS	Felt I=II MSK at Petropavlovsk−Kamchatskiy						
	(377) Spain						
ISC	**IV 04 05 31 04.1**±.97	**37.38N**±.064	**2.12W**±.093	**10**		**13**	**0-4**
NEIC	IV 04 05 31 04.1	37.37N	2.12W	10			**¶97iv0548**
MDD	IV 04 05 31 05.3	37.35N	2.16W	2	2.9		
NEIC	mbLg3.0(MDD). Single network solution.						
MDD	Felt I=II MSK, Albox						
	(74) Near coast of Nicaragua						
ISC	**IV 04 06 49 47.8**±.59	**11.83N**±.059	**86.61W**±.048	**145**±6.5	**4.5b**	**154**	**5-153**
BJI	IV 04 06 49 43.3	12.00N	86.40W	94			**¶97iv0560**
NEIC	IV 04 06 49 43.3	12.02N	86.40W	94	4.7b		
EIDC	IV 04 06 49 46.8	12.1N	86.3W	111	4.4b,3.5s		
MOS	IV 04 06 49 50.2	11.9N	86.7W	155	5.1b		
NEIC	M_D5.1(UPA)						
NEIC	Felt at Managua.						
	(244) Taiwan						
ISC	**IV 04 08 53 53.1**±.85	**23.21N**±.060	**120.48E**±.076	**14**		**9**	**0-1**
TAP	IV 04 08 53 52.5	23.17N	120.51E	14	3.3L		**¶97iv0579**
TAP	Felt I=II J						
	(43) Southern California						
ISC	**IV 04 09 26 24.7**±.86	**33.99N**±.047	**118.28W**±.046	**4**±6.5		**30**	**0-7**
NEIC	IV 04 09 26 24.5	33.98N	118.35W	4			**¶97iv0585**
NEIC	M_D3.3(PAS). Felt, After PAS.						
NEIC	Felt at Inglewood and Los Angeles.						
	(43) Southern California						
ISC	**IV 04 09 35 09**±2.6	**34.0N**±.14	**118.4W**±.14	**2**±24		**5**	**0-2**
NEIC	IV 04 09 35 09.4	33.99N	118.36W	5			**¶97iv0587**
ISC	Poorly determined						
NEIC	M_D2.4(PAS). Felt, After PAS.						
	(366) Turkey						
ISC	**IV 04 10 06 18.8**±.73	**40.12N**±.035	**29.33E**±.060	**7**±6.9		**34**	**0-5**
ISK	IV 04 10 06 18.8	40.11N	29.30E	10	3.7D		**¶97iv0591**
NEIC	IV 04 10 06 19.5	40.13N	29.30E	10			
ATH	IV 04 10 06 37.4	40.14N	27.55E	10	3.7D		
NEIC	Single network solution.						
NEIC	Felt at Bursa.						
	(71) Near coast of Guatemala						
ISC	**IV 04 14 01 07.9**±.39	**13.85N**±.053	**90.78W**±.036	**83**±3.9	**4.7b**	**161**	**1-150**
BJI	IV 04 14 01 05.9	14.56N	90.56W	53			**¶97iv0622**
NEIC	IV 04 14 01 06.4	13.85N	90.86W	66	5.0b		
EIDC	IV 04 14 01 06.5	14.0N	90.3W	57	4.3b,3.8s		
MEX	IV 04 14 01 19.0	14.1N	91.7W	21	5.1D		
MOS	IV 04 14 01 50.2	18.0N	91.3W	163	4.8b		
NEIC	M_D4.4(SSS)						
NEIC	Felt along the south coast of Guatemala and at Guatemala City. Also felt I=III MM at San Salvador, El Salvador.						
	(73) El Salvador						
ISC	**IV 04 15 42 11**±4.1	**13.1N**±.49	**89.4W**±.21	**100**	3.4b	**13**	**1-52**
NEIC	IV 04 15 42 10.3	13.07N	89.33W	100	3.4b		**¶97iv0628**
NEIC	M_D3.0(SSS). Poor solution.						
NEIC	Felt I=II MM at San Salvador.						
	(243) Taiwan region						
ISC	**IV 05 00 20 58**±2.7	**24.35N**±.056	**122.1E**±.22	**10**±11		**13**	**0-2**
TAP	IV 05 00 20 58.3	24.41N	121.94E	16	3.1L		**¶97iv0672**
TAP	Felt I=III J						
	(235) Kyūshū						
ISC	**IV 05 04 24 50.9**±.48	**31.97N**±.024	**130.41E**±.025	**26**±4.3	**4.4b,4.8s**	**159**	**0-88**
JMA	IV 05 04 24 50.1±.1	31.97N±.00	130.40E±.01	12±2	4.8		**¶97iv0689**
EIDC	IV 05 04 24 50.3	31.9N	130.4E	16	4.2b,4.2L		
MOS	IV 05 04 24 50.9	31.9N	130.5E	33	5.1b,4.7s		
NEIC	IV 05 04 24 51.0	31.95N	130.43E	33	4.7b,4.8s		
BJI	IV 05 04 24 51.1	31.89N	130.46E	33	5.2L,4.7b		
HRVD	IV 05 04 24 57.0±.7	32.35N±.09	130.11E±.11	33			
JMA	Felt I= VI J1						
NEIC	Mw5.1(HRV)						
NEIC	Felt I=V J at Miyanojo and Sendai.						
BJI	Ms5.1						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.12±.43; $M_{\theta\theta}$2.39±.39; $M_{\phi\phi}$−1.27±.55; $M_{r\theta}$−1.44±.96; $M_{r\phi}$0.95±1.06; $M_{\theta\phi}$4.31±.47. Principal Axes: T 5.32,Plg6°,Azm148°; N −0.51, Plg66°,Azm252°; P −4.81,Plg23°,Azm55°. Best double couple: $M_0$5.1×10^{16}Nm, NP1: ϕ_S194°,δ69°,λ−168°. NP2:ϕ_S99°,δ78°,λ−21°.						
	(12) Alaska Peninsula						
ISC	**IV 05 05 06 16.8**±.97	**55.6N**±.11	**157.7W**±.14	**46**±13	**3.5b**	**27**	**2-52**
EIDC	IV 05 05 06 13.5	55.8N	157.6W	0	3.5b,4.4L		**¶97iv0700**
NEIC	IV 05 05 06 17.1	55.46N	157.54W	26	3.3b		
NEIC	M_L3.8(AEIC), M_L3.7(PMR). Felt I=III MM, After AEIC.						
NEIC	Felt I=III MM at Sand Point.						
	(95) Windward Islands						
ISC	**IV 05 07 06 31.5**±.78	**11.16N**±.075	**60.72W**±.090	**21**±5.4	**3.8b,**3.0s	**20**	**0-78**
EIDC	IV 05 07 06 29.0	10.8N	61.1W	0	3.9b,3.1s		**¶97iv0719**
NEIC	IV 05 07 06 29.5	11.36N	60.80W	10	4.2b		
TRN	IV 05 07 06 31.5	11.0N	60.6W	3	3.6D		
NEIC	Less reliable solution.						
NEIC	Felt slightly at Scarborough, Trinidad and Tobago.						
	(244) Taiwan						
ISC	**IV 05 10 59 05**±1.3	**23.15N**±.073	**121.4E**±.13	**10**±11		**9**	**0-2**
TAP	IV 05 10 59 05.0	23.16N	121.32E	12	3.0L		**¶97iv0759**
TAP	Felt I=III J Chengkung						
	(22) Queen Charlotte Islands region						
ISC	**IV 05 12 56 58**±1.2	**53.91N**±.065	**132.1W**±.30	**10**		**9**	**1-13**
PGC	IV 05 12 56 57.3	54.0N	132.5W	10	3.7L		**¶97iv0771**
PGC	Northern Graham Island, British Columbia. Felt strongly at a logging camp on the northwest shore of Eden Lake. Unlocated aftershocks at 13:57 and 13:59.						
	(43) Southern California						
ISC	**IV 05 14 33 25**±2.4	**33.9N**±.14	**118.3W**±.14	**6**±21		**5**	**0-2**
NEIC	IV 05 14 33 25.2	33.99N	118.36W	4			**¶97iv0788**
ISC	Poorly determined						
NEIC	M_D2.5(PAS). Felt, After PAS.						
	(95) Windward Islands						
ISC	**IV 05 17 04 03.7**±.41	**11.10N**±.033	**61.00W**±.040	**56**±3.7	**4.6b,4.4s**	**135**	**0-163**
TRN	IV 05 17 03 57.0	10.7N	60.1W	52	4.5D		**¶97iv0808**
EIDC	IV 05 17 03 58.5	11.1N	61.1W	0	4.6b,4.4s		
NEIC	IV 05 17 04 03.3	11.07N	61.02W	54	4.7b,4.4s		
NEIC	Felt slightly at Five Rivers, Port-of-Spain, Saint Augustine, Sangre Grande and Scarborough, Trinidad and Tobago.						
	(341) Iran-USSR border region						
ISC	**IV 05 18 44 13**±1.0	**37.5N**±.15	**57.21E**±.090	**33**	**3.6b,**3.6s	**22**	**1-80**
EIDC	IV 05 18 44 10.8	37.6N	57.3E	0	3.6b,3.6s		**¶97iv0826**
MOS	IV 05 18 44 11.3	37.2N	57.0E	33	4.8b		
BJI	IV 05 18 44 13.9	37.60N	57.30E	33	4.9b		
NEIC	IV 05 18 44 13.9	37.58N	57.35E	33	4.6b		
NEIC	Less reliable solution.						
NEIC	Several houses destroyed at Bojnurd, Iran. Felt at Shirvan, Iran.						
	(383) Northwestern Balkan region						
ISC	**IV 05 19 27 42**±5.4	**45.1N**±.39	**14.6E**±.18	**19**		**6**	**0-1**
LJU	IV 05 19 27 42.2	45.2N	14.8E	19			**¶97iv0836**
ZAG	Felt in Rijeka, Crikvenica Croatia (after RIY;PTJ)						
	(321) Southern Xinjiang Province						
ISC	**IV 05 23 46 19**±1.0	**39.54N**±.026	**76.88E**±.022	**23**±7.6	**5.3b,5.9s**	**519**	**1-155**
BJI	IV 05 23 46 19.1	39.60N	76.82E	32	5.4b,6.3s		**¶97iv0882**
NEIC	IV 05 23 46 19.5	39.51N	76.87E	33	5.4b,5.9s		
MOS	IV 05 23 46 20.3	39.6N	76.9E	33	6.0b,6.1s		
HRVD	IV 05 23 46 22.6±.2	39.41N±.03	76.93E±.02	33			
EIDC	IV 05 23 46 24.0	39.5N	76.9E	67	5.0b,5.3s		
NEIC	Mw5.9(GS), Mw5.9(HRV)						
NEIC	At least 23 people injured, 3,000 buildings damaged or destroyed and 100 head of livestock killed in Jiashi County by this earthquake and the event on April 6 at 04:36 UTC.						
NEIC	Moment tensor solution: s24, scale 10^{17}Nm; M_{rr}−1.35; $M_{\theta\theta}$−4.11; $M_{\phi\phi}$5.45; $M_{r\theta}$−2.82; $M_{r\phi}$−0.36; $M_{\theta\phi}$5.43. Depth 14km; Principal axes: T 8.15,Plg9°,Azm116°; N −0.62,Plg66°, Azm228°; P −7.53,Plg22°,Azm22°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S161°,δ68°, λ−171°. NP2:ϕ_S67°,δ81°,λ−22°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c87; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.12±.12; $M_{\theta\theta}$−2.95±.18; $M_{\phi\phi}$6.07±.15; $M_{r\theta}$−1.22±.30; $M_{r\phi}$−1.65±.32; $M_{\theta\phi}$6.05±.14. Principal Axes: T 9.43,Plg9°,Azm117°; N −3.40, Plg78°,Azm257°; P −6.03,Plg7°,Azm26°. Best double couple: $M_0$7.7×10^{17}Nm, NP1:ϕ_S161°, δ78°,λ179°. NP2:ϕ_S251°,δ89°,λ12°.						
	(321) Southern Xinjiang Province						
ISC	**IV 06 04 36 35**±1.3	**39.54N**±.025	**77.00E**±.021	**31**±9.3	**5.4b,5.9s**	**604**	**1-155**
BJI	IV 06 04 36 33.3	39.44N	77.02E	20	5.3b,6.2s		**¶97iv0925**
NEIC	IV 06 04 36 35.2	39.54N	77.00E	33	5.6b,5.8s		
MOS	IV 06 04 36 35.3	39.5N	76.9E	33	6.1b,6.2s		
HRVD	IV 06 04 36 38.4±.2	39.52N±.03	77.03E±.03	15			
EIDC	IV 06 04 36 39.5	39.5N	77.0E	57	5.0b,5.7s		
NEIC	Mw6.0(HRV), Me5.3(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 1.7±0.5×10^{12}Nm/9						
NEIC	Mw 5.8 (GS). Injuries and damage for this earthquake are included in the comment for the event on April 5 at 23:46 UTC.						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ35°,λ−45°. NP2:ϕ_S54°,δ66°,λ−116°. Principal axes: T Plg17°,Azm163°; P Plg60°,Azm285°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s29, scale 10^{17}Nm; M_{rr}−4.93; $M_{\theta\theta}$−0.26; $M_{\phi\phi}$5.19; $M_{r\theta}$−0.62; $M_{r\phi}$−3.07; $M_{\theta\phi}$2.04. Depth 8km; Principal axes: T 6.70,Plg15°,Azm108°; N −0.92,Plg4°, Azm17°; P −5.78,Plg74°,Azm272°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S203°,δ30°, λ−82°. NP2:ϕ_S14°,δ60°,λ−95°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c67; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.08±.19; $M_{\theta\theta}$2.09±.24; $M_{\phi\phi}$3.99±.19; $M_{r\theta}$1.12±.74; $M_{r\phi}$−5.95±.67; $M_{\theta\phi}$6.73±.21. Principal Axes: T 10.8,Plg14°,Azm126°; N −0.5, Plg34°,Azm27°; P −10.3,Plg53°,Azm235°. Best double couple: $M_0$1.1×10^{18}Nm, NP1: ϕ_S253°,δ43°,λ−36°. NP2:ϕ_S10°,δ67°,λ−127°.						
	(1) Central Alaska						
ISC	**IV 06 07 21 03.3**±.49	**62.25N**±.020	**150.41W**±.052	**22**±5.4	**3.7b,**3.6s	**93**	**0-57**
EIDC	IV 06 07 20 59.5	62.2N	150.8W	0	3.7b,3.9L		**¶97iv0959**
NEIC	IV 06 07 21 03.6	62.19N	150.41W	13			
NEIC	M_L4.1(PMR), M_L3.8(AEIC). Felt I=IV MM, After AEIC.						
NEIC	Felt I=IV MM at Trappers Creek and III MM at Talkeetna. Also felt at Skwentna.						
	(130) Catamarca Province, Argentina						
ISC	**IV 06 12 16 05**±1.9	**28.83S**±.060	**66.40W**±.072	**30**±15	**4.4b,**3.9s	**63**	**3-165**
NEIC	IV 06 12 16 04.8	28.87S	66.38W	29	5.3b		**¶97iv0992**
EIDC	IV 06 12 16 06.2	28.8S	66.5W	26	4.3b,4.4L		
MOS	IV 06 12 16 06.7	28.8S	66.6W	33	5.1b		
NEIC	Felt I=IV MM in southern Catamarca and northern La Rioja Provinces.						

(123) Northern Chile

ISC	**IV**	**06 16 48 35**±1.5	**18.79S**±.069	**69.17W**±.055	**92**±15	**4.7b**	**129**	**2-156**	
NEIC	IV	06 16 48 38.1	18.90S	69.19W	122	4.8b			**¶97iv1020**
MOS	IV	06 16 48 39.5	18.5S	69.6W	109	4.6b			
EIDC	IV	06 16 48 39.7	19.0S	69.2W	126	4.4b			
BJI	IV	06 16 48 41.1	18.80S	69.20W	122				

NEIC Felt I=IV MM at Arica and Camarones; III MM at Parinacota.

(244) Taiwan

ISC	**IV**	**07 06 18 15**±3.8	**24.4N**±.13	**121.9E**±.34	**12**		**4**	**0-1**	
TAP	IV	07 06 18 15.3	24.38N	121.84E	12	2.5L			**¶97iv1112**

ISC Poorly determined

TAP Felt I=II J

(383) Northwestern Balkan region

ISC	**IV**	**07 10 54 04**±1.6	**43.41N**±.039	**16.10E**±.046	**7**±13		**62**	**0-10**	
NEIC	IV	07 10 54 01.0	43.72N	16.49E	10				**¶97iv1145**
LDG	IV	07 10 54 05.7	43.6N	16.3E		3.6L			
PDG	IV	07 10 54 08.0	43.2N	16.5E	9	3.5L			

NEIC M_L3.6(VIE). Less reliable solution.

ZAG Felt in Split region Croatia (after HVAR)

(244) Taiwan

ISC	**IV**	**07 15 36 54**±1.1	**24.34N**±.047	**121.8E**±.12	**1**±14		**13**	**0-1**	
TAP	IV	07 15 36 53.9	24.36N	121.72E	14	3.0L			**¶97iv1183**

TAP Felt I=III J

(244) Taiwan

ISC	**IV**	**07 16 53 52**±1.3	**24.40N**±.077	**121.7E**±.14	**7**±22		**7**	**0-1**	
TAP	IV	07 16 53 50.6	24.41N	121.79E	13	2.2L			**¶97iv1190**

TAP Felt I=III J

(97) Near coast of Venezuela

ISC	**IV**	**07 23 25 34.5**±.57	**10.33N**±.045	**62.22W**±.046	**51**±5.8	**4.1b,3.5s**	**59**	**1-161**	
NEIC	IV	07 23 25 28.1	10.22N	62.42W	5	4.4b			**¶97iv1241**
TRN	IV	07 23 25 31.9	10.3N	62.2W	3	4.4D			
EIDC	IV	07 23 25 32.9	10.4N	62.5W	23	4.0b,3.4s			

NEIC Felt in central and parts of southern Trinidad.

(382) Adriatic Sea

ISC	**IV**	**08 06 39 00.4**±.98	**42.78N**±.096	**17.72E**±.089	**8**		**14**	**1-3**	
PDG	IV	08 06 38 59.3	42.9N	17.6E	8	2.8L			**¶97iv1285**

ZAG Felt in Dubrovnik region, Croatia (after HVAR)

ZAG Felt in Slano and Ston, Croatia (after PTJ)

(83) South of Panama

ISC	**IV**	**08 06 47 02**±4.5	**7.6N**±.37	**82.6W**±.21	**50**±26	3.2b	**10**	**1-60**	
NEIC	IV	08 06 47 02.1	7.60N	82.58W	50				**¶97iv1286**

NEIC M_D4.4(UPA) Poor solution.

NEIC Felt at David.

(382) Adriatic Sea

ISC	**IV**	**08 09 01 20.9**±.70	**42.88N**±.069	**17.81E**±.071	**12**	3.2b	**28**	**1-68**	
PDG	IV	08 09 01 19.1	42.9N	17.7E	12	3.6L,3.5D			**¶97iv1303**

ZAG Felt in Dubrovnik region, Croatia (after HVAR)

ZAG Felt in Slano and Ston, Croatia (after PTJ)

(98) Trinidad

ISC	**IV**	**08 09 37 47**±1.4	**11.00N**±.058	**60.69W**±.089	**8**±8.2	**4.0b**,3.2s	**28**	**0-151**	
EIDC	IV	08 09 37 42.9	10.6N	61.3W	0	3.9b,3.2s			**¶97iv1307**
TRN	IV	08 09 37 45.0	11.0N	60.8W	3	4.0D			
NEIC	IV	08 09 37 46.2	11.00N	60.66W	5	4.4b			

NEIC Felt on Tobago.

(95) Windward Islands

ISC	**IV**	**08 14 13 41**±1.3	**11.05N**±.064	**60.63W**±.086	**12**±7.8	**3.9b**,3.5s	**22**	**0-144**	
EIDC	IV	08 14 13 40.0	11.3N	60.9W	0	3.9b,3.5s			**¶97iv1343**
TRN	IV	08 14 13 40.6	11.0N	60.8W	5	4.0D			
NEIC	IV	08 14 13 40.9	11.06N	60.62W	10	4.1b			

NEIC Felt on Tobago.

(244) Taiwan

ISC	**IV**	**08 15 10 43.5**±.49	**23.79N**±.034	**120.93E**±.053	**23**±8.0		**25**	**0-2**	
TAP	IV	08 15 10 42.8	23.77N	120.96E	16	3.9L			**¶97iv1348**
BJI	IV	08 15 10 43.8	24.02N	120.78E	15	3.2L			

TAP Felt I=II J Sun Moon Lake, I Chiayi, Hwalien

(256) Leyte

ISC	**IV**	**08 16 56 35.1**±.68	**11.00N**±.038	**124.68E**±.072	**43**±6.7	**4.7b,4.3s**	**73**	**0-166**	
BJI	IV	08 16 56 33.0	10.88N	124.78E	34	4.8b,4.7s			**¶97iv1365**
NEIC	IV	08 16 56 33.8	11.01N	124.60E	33	4.9b			
MOS	IV	08 16 56 34.0	11.0N	124.5E	33	5.0b			
EIDC	IV	08 16 56 40.3	11.0N	124.7E	75	4.3b			

NEIC Felt in the central part of Leyte.

(95) Windward Islands

ISC	**IV**	**08 17 11 58.7**±.44	**11.05N**±.026	**61.02W**±.031	**45**±4.1	**5.0b,5.0s**	**314**	**0-163**	
TRN	IV	08 17 11 53.2	11.0N	60.7W	5	4.7D			**¶97iv1367**
NEIC	IV	08 17 11 53.6	11.05N	60.79W	5	5.2b,5.0s			
EIDC	IV	08 17 11 53.8	11.1N	61.0W	0	4.9b,5.1s			
BJI	IV	08 17 11 54.4	11.01N	60.87W	17				
MOS	IV	08 17 11 54.9	10.8N	60.6W	10	5.8b,4.9s			
HRVD	IV	08 17 11 59.0±.2	11.33N±.03	61.04W±.04	15				

NEIC Mw5.5(HRV)

NEIC Felt I=IV MM on Trinidad and Tobago.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c57; Half duration: 1^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.44±.06; $M_{\theta\theta}$1.38±.05; $M_{\phi\phi}$0.07±.09; $M_{r\theta}$−0.18±.22; $M_{r\phi}$0.41±.21; $M_{\theta\phi}$−0.90±.06. Principal Axes: T 1.87,Plg6°,Azm208°; N −0.32, Plg14°,Azm299°; P −1.55,Plg75°,Azm94°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S283°,δ41°,λ−111°. NP2:ϕ_S130°,δ53°,λ−73°.

(249) Luzon

ISC	**IV**	**08 18 07 10.8**±.41	**18.40N**±.021	**120.96E**±.027	**78**±3.7	**5.9b**	**606**	**0-172**	
MOS	IV	08 18 07 09.0	18.5N	121.0E	62	6.4b			**¶97iv1381**
BJI	IV	08 18 07 09.3	18.39N	121.01E	70	6.0b,5.4s			
NEIC	IV	08 18 07 09.5	18.32N	120.95E	71	6.0b			
HRVD	IV	08 18 07 10.7±.1	18.41N±.01	120.90E±.02	65±1.2				
EIDC	IV	08 18 07 13.0	18.5N	121.1E	87	5.6b,4.7s			

NEIC Mw5.8(GS), Me5.5(GS)

NEIC Mw 5.8 (HRV). Felt in the Laoag area.

NEIC Radiated energy from the P−wave first−motion solution: 3.4±1.1×10^{12}Nm/11

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ30°,λ−60°. NP2:ϕ_S71°,δ64°,λ−106°. Principal axes: T Plg18°,Azm173°; P Plg67°,Azm312°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s21, scale 10^{17}Nm; M_{rr}−2.62; $M_{\theta\theta}$4.57; $M_{\phi\phi}$−1.95; $M_{r\theta}$−5.06; $M_{r\phi}$−0.98; $M_{\theta\phi}$0.00. Depth 65km; Principal axes: T 7.20,Plg27°,Azm177°; N −1.75,Plg11°, Azm81°; P −5.45,Plg60°,Azm331°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S293°,δ20°, λ−56°. NP2:ϕ_S78°,δ73°,λ−102°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c97; Mantle waves: s21,c25; Half duration: 1^{s}9. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.24±.09; $M_{\theta\theta}$4.12±.10; $M_{\phi\phi}$−1.88±.14; $M_{r\theta}$−4.86±.10; $M_{r\phi}$−1.10±.09; $M_{\theta\phi}$0.29±.10. Principal Axes: T 6.82,Plg29°,Azm174°; N −1.74,Plg10°,Azm78°; P −5.09,Plg59°,Azm330°. Best double couple: $M_0$6.0×10^{17}Nm, NP1:ϕ_S291°,δ19°,λ−56°. NP2:ϕ_S75°,δ74°,λ−101°.

(244) Taiwan

ISC	**IV**	**08 18 24 53**±1.3	**24.42N**±.076	**121.8E**±.14	**8**		**6**	**0-1**	
TAP	IV	08 18 24 52.7	24.44N	121.75E	8	2.0L			**¶97iv1386**

TAP Felt I=II J

(211) South of Honshū

ISC	**IV**	**09 03 50 30.6**±.40	**33.12N**±.025	**140.72E**±.031	**68**±3.4	**4.8b**	**316**	**1-163**	
BJI	IV	09 03 50 29.3	33.14N	140.74E	76	4.5b,4.2s			**¶97iv1453**
MOS	IV	09 03 50 29.4	33.1N	140.6E	63	5.3b			
NEIC	IV	09 03 50 30.2	33.04N	140.42E	67	5.1b			
EIDC	IV	09 03 50 31.7	33.0N	140.6E	67	4.5b,3.4s			
JMA	IV	09 03 50 32.7±.2	33.20N±.01	140.57E±.02	64±4	4.7			

NEIC Felt I=III J on Hachijo-jima.

(377) Spain

ISC	**IV**	**09 05 50 24**±5.5	**42.9N**±.21	**9.1W**±.49	**6**		**4**	**0-2**	
NEIC	IV	09 05 50 24.8	42.88N	9.06W	10				**¶97iv1465**
MDD	IV	09 05 50 26.5	42.85N	8.99W	6	3.4			

ISC Poorly determined

NEIC mbLg3.0(MDD), Poor solution.

MDD Felt I=II MSK, northwest Noia

(244) Taiwan

ISC	**IV**	**09 08 48 23.5**±.81	**23.95N**±.048	**121.8E**±.12	**41**±11	3.4b	**25**	**0-83**	
EIDC	IV	09 08 48 12.5	22.7N	122.0E	0	3.6b,4.2L			**¶97iv1486**
TAP	IV	09 08 48 23.0	23.96N	121.80E	29	4.3L			

TAP Felt I=II J Hwalien

(235) Kyūshū

ISC	**IV**	**09 14 20 10.5**±.57	**31.91N**±.029	**130.44E**±.027	**20**±4.9	**4.4b,4.5s**	**142**	**0-88**	
BJI	IV	09 14 20 07.7	31.79N	130.61E	14	4.9L,4.6b			**¶97iv1532**
NEIC	IV	09 14 20 08.7	31.86N	130.46E	10	4.7b,4.5s			
MOS	IV	09 14 20 08.9	31.9N	130.6E	10	4.9b,4.6s			
EIDC	IV	09 14 20 09.0	31.9N	130.4E	0	4.3b,3.9s			
JMA	IV	09 14 20 10.4±.1	31.97N±.00	130.41E±.01	11±2	4.8			

BJI Ms4.9

JMA Felt I= IV J1

(95) Windward Islands

ISC	**IV**	**10 02 23 31.3**±.76	**11.14N**±.035	**60.92W**±.032	**1**±5.1	**4.7b,4.2s**	**120**	**0-163**	
TRN	IV	10 02 23 27.8	11.0N	60.6W	3	4.7D			**¶97iv1611**
EIDC	IV	10 02 23 30.3	10.9N	61.4W	0	4.5b,4.2s			
NEIC	IV	10 02 23 31.6	11.13N	60.94W	5	4.8b			

NEIC Felt I=III MM in northern Trinidad.

(1) Central Alaska

ISC	**IV**	**10 13 52 49.8**±.21	**62.06N**±.023	**150.26W**±.054	**87**±4.2	**4.0b**	**97**	**0-142**	
EIDC	IV	10 13 52 50.2	62.1N	150.5W	86	3.8b			**¶97iv1704**
NEIC	IV	10 13 52 51.8	62.02N	150.30W	56				

NEIC M_L3.9(AEIC), M_L3.9(PMR). Felt I=II MM, After AEIC.

NEIC Felt I=II MM at Palmer. Also felt at Anchorage.

(244) Taiwan

ISC	**IV**	**10 14 38 58**±1.4	**23.54N**±.076	**120.27E**±.085	**7**±12		**8**	**0-2**	
TAP	IV	10 14 38 57.4	23.44N	120.27E	7	2.9L			**¶97iv1706**

TAP Felt I=II J Chiayi

(321) Southern Xinjiang Province

ISC	**IV**	**11 05 34 44**±1.0	**39.56N**±.024	**76.95E**±.020	**20**±7.4	**5.6b,6.1s**	**693**	**1-155**	
NEIC	IV	11 05 34 42.7	39.53N	76.94E	15	5.8b,6.1s			**¶97iv1809**
BJI	IV	11 05 34 42.9	39.46N	76.96E	16	5.6b,6.5s			
MOS	IV	11 05 34 45.7	39.6N	77.0E	33	6.1b,6.4s			
HRVD	IV	11 05 34 49.7±.2	39.61N±.02	76.93E±.02	15				
EIDC	IV	11 05 34 51.1	39.5N	77.0E	79	5.1b,6.1s			

NEIC Mw6.2(HRV), Me5.8(GS)

NEIC Radiated energy from the P−wave first−motion solution: 1.2±0.2×10^{13}Nm/14

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S195°,δ60°,λ−120°. NP2:ϕ_S64°,δ41°,λ−49°. Principal axes: T Plg10°,Azm306°; P Plg62°,Azm56°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}−1.16; $M_{\theta\theta}$0.14; $M_{\phi\phi}$1.02; $M_{r\theta}$−0.01; $M_{r\phi}$0.01; $M_{\theta\phi}$0.37. Depth 8km; Principal axes: T 1.15,Plg0°,Azm290°; N 0.00,Plg1°, Azm200°; P −1.16,Plg89°,Azm40°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S21°,δ45°, λ−89°. NP2:ϕ_S199°,δ45°,λ−91°.

NEIC Mw 6.0 (GS). Ms 6.0 (BRK). At least 9 people killed, 89 injured, 100,000 homeless, thousands of buildings destroyed and 11,000 livestock killed in Jiashi County. Felt in Bachu, Shule, Yingjisha and Yuehpuhu Counties. This is the largest earthquake to date in a swarm of large strike-slip and normal faulting events which began on January 21, 1997.

MOS Felt I=III MSK at Alma−Ata; I=II−III at Naryn, Sufi−Kurgan; I=II at Bishkek.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c85; Mantle waves: s36,c55; Half duration: 3^{s}0. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.36±.03; $M_{\theta\theta}$0.19±.03; $M_{\phi\phi}$1.18±.02; $M_{r\theta}$0.14±.12; $M_{r\phi}$−1.15±.11; $M_{\theta\phi}$1.12±.02. Principal Axes: T 2.15,Plg15°,Azm119°; N −0.18,Plg25°,Azm22°; P −1.96,Plg60°,Azm237°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_S240°,δ37°,λ−45°. NP2:ϕ_S9°,δ65°,λ−118°.

(95) Windward Islands

ISC	**IV**	**11 06 57 48.1**±.80	**11.03N**±.034	**60.79W**±.048	**14**±5.0	**4.4b**	**69**	**0-163**	
TRN	IV	11 06 57 46.2	11.0N	60.8W	3	4.2D			**¶97iv1827**
NEIC	IV	11 06 57 46.5	11.05N	60.83W	5	4.7b			
EIDC	IV	11 06 57 51.2	11.2N	61.1W	29	4.2b			

NEIC Felt on Trinidad and Tobago.

(244) Taiwan

ISC	**IV**	**11 11 09 45.5**±.64	**23.21N**±.046	**120.55E**±.057	**8**		**12**	**0-1**	
TAP	IV	11 11 09 45.0	23.20N	120.55E	8	3.2L			**¶97iv1883**

TAP Felt I=II J

(244) Taiwan

ISC	**IV**	**11 15 06 34.4**±.52	**23.19N**±.036	**120.57E**±.048	**7**		**18**	**0-2**	
TAP	IV	11 15 06 33.2	23.20N	120.55E	7	3.3L			**¶97iv1925**

TAP Felt I=III J

(385) Straits of Gibraltar

ISC	**IV**	**12 11 21 38**±1.8	**35.97N**±.047	**3.16W**±.067	**12**±18	3.4b	**39**	**1-68**	
NEIC	IV	12 11 21 37.9	35.96N	3.22W	10				**¶97iv2057**
MDD	IV	12 11 21 38.7	36.01N	3.09W	3	3.6			
LIS	IV	12 11 21 39	35.98N	3.20W		3.7L			
RBA	IV	12 11 21 46.6	33.77N	2.29W	30	3.8D			

NEIC mbLg3.7(MDD). Single network solution.

NEIC Felt I=II MM in the Melilla area

MDD Felt I=II MSK, west of Isla de Alboran

(366) Turkey

ISC	**IV**	**12 17 40 44**±1.0	**37.92N**±.042	**27.64E**±.066	**5**±8.4	**3.7b**	**27**	**0-75**	
ISK	IV	12 17 40 43.3	37.85N	27.59E	9	3.7D			**¶97iv2103**
NEIC	IV	12 17 40 43.8	37.92N	27.78E	10	4.0b			
ATH	IV	12 17 40 45.6	37.90N	27.55E	5	3.9D			
EIDC	IV	12 17 40 48.8	37.8N	28.0E	46	3.4b,3.2L			

NEIC Less reliable solution.

NEIC Felt at Germencik.

(321) Southern Xinjiang Province

ISC	**IV**	**12 21 09 11.7**±.70	**39.47N**±.032	**76.91E**±.029	**40**±6.8	**5.0b,5.0s**	**355**	**1-155**	
MOS	IV	12 21 09 08.9	39.4N	77.0E	20	5.2b,5.3s			**¶97iv2130**
NEIC	IV	12 21 09 08.9	39.47N	76.90E	20	5.2b,5.0s			
BJI	IV	12 21 09 09.3	39.39N	76.94E	21	5.6L,4.9b			
HRVD	IV	12 21 09 15.0±.4	39.64N±.07	77.20E±.09	16				

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	IV 12 21 09 15.8	39.5N	76.9E	68	4.5b,4.6s		
NEIC	Mw5.3(HRV)						
NEIC	Damage in Jiashi County.						
BJI	Ms5.3						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c41; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−9.41±.61; $M_{\theta\theta}$4.86±.84; $M_{\phi\phi}$4.56±.56; $M_{r\theta}$2.11±2.17; $M_{r\phi}$−2.18±2.45; $M_{\theta\phi}$6.10±.65. Principal Axes: T 10.8,Plg0°,Azm136°; N −0.4, Plg19°,Azm46°; P −10.4,Plg71°,Azm226°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S243°,δ48°,λ−65°. NP2:ϕ_S28°,δ48°,λ−115°.						
	(244) Taiwan						
TAP	**IV 12 23 38 02.7**	**24.47N**	**121.77E**	**7**	**1.9L**		**¶97iv2154**
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**IV 13 12 15 06**±1.1	**24.46N**±.071	**121.7E**±.12	**5**		**6**	**0-1**
TAP	IV 13 12 15 05.3	24.48N	121.74E	5	2.1L		**¶97iv2239**
TAP	Felt I=III J						
	(374) Jordan-Syria region						
ISC	**IV 13 12 57 49.0**±.98	**36.2N**±.13	**36.2E**±.14	**5**		**7**	**0-3**
ISK	IV 13 12 57 49.1	36.31N	36.03E	5	3.8D		**¶97iv2244**
NEIC	Felt Altinoz (after IKL)						
	(244) Taiwan						
ISC	**IV 13 17 45 14.2**±.27	**23.80N**±.020	**121.64E**±.034	**62**±2.4	**5.1b**	**262**	**0-177**
BJI	IV 13 17 45 13.8	23.94N	121.66E	54	5.1L,5.2b		**¶97iv2275**
TAP	IV 13 17 45 14.0	23.81N	121.71E	46	5.6L		
NEIC	IV 13 17 45 14.5	23.72N	121.58E	69	5.2b		
HRVD	IV 13 17 45 14.6±.6	23.91N±.06	121.61E±.09	61±5.6			
MOS	IV 13 17 45 14.8	23.9N	121.8E	69	5.4b		
EIDC	IV 13 17 45 17.6	23.8N	121.7E	84	4.6b		
BJI	Ms4.6						
TAP	Felt I=IV J Chengkung, III Hwalien, Chiawan, Tachien, Taichung, II Yuli, Sun Moon Lake, Suao, Neicheng, Ilan, Taitung, Hsinchu, Chiayi, Taipei, Kuangyinshan, Laynu, I Pinlang, Mucha, Anpu, Penghu						
NEIC	Mw5.1(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c23; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.14±.68; $M_{\theta\theta}$2.64±.53; $M_{\phi\phi}$2.50±.92; $M_{r\theta}$0.23±.54; $M_{r\phi}$2.34±.56; $M_{\theta\phi}$1.15±.87. Principal Axes: T 4.09,Plg12°,Azm310°; N 1.71, Plg10°,Azm218°; P −5.80,Plg74°,Azm90°. Best double couple: $M_0$4.9×10^{16}Nm, NP1:ϕ_S53°, δ34°,λ−72°. NP2:ϕ_S212°,δ58°,λ−102°.						
	(327) Lake Baikal region						
ISC	**IV 13 18 04 13.0**±.19	**55.92N**±.031	**109.14E**±.054	**10**	**4.7b,4.3s**	**122**	**0-149**
BJI	IV 13 18 04 11.5	55.98N	109.41E	10	4.4b,4.4s		**¶97iv2279**
EIDC	IV 13 18 04 12.5	55.9N	109.3E	0	4.5b,4.5L		
MOS	IV 13 18 04 12.7	55.9N	109.2E	10	4.9b,4.2s		
NEIC	IV 13 18 04 12.8	55.95N	109.10E	10	4.8b,4.6s		
MOS	Felt I=V MSK at Severo Baykalskoye, Nizhneangarsk ;I=II at Yelantsy, Tyrgan.						
	(244) Taiwan						
ISC	**IV 13 22 43 29.9**±.60	**23.87N**±.050	**120.94E**±.066	**20**±12		**14**	**0-1**
TAP	IV 13 22 43 29.1	23.86N	120.97E	26	3.5L		**¶97iv2315**
TAP	Felt I=II J						
	(121) Off coast of Northern Chile						
ISC	**IV 13 23 20 33.9**±.88	**18.39S**±.037	**71.22W**±.051	**37**±8.6	**5.0b,5.2s**	**185**	**2-172**
NEIC	IV 13 23 20 33.3	18.37S	71.25W	33	5.1b,5.1s		**¶97iv2326**
MOS	IV 13 23 20 34.3	18.5S	71.6W	33	5.6b		
BJI	IV 13 23 20 34.9	18.43S	71.29W	43	5.9s		
HRVD	IV 13 23 20 38.4±.2	18.56S±.03	71.87W±.03	51±1.7			
EIDC	IV 13 23 20 39.6	18.4S	71.2W	77	4.5b		
NEIC	Mw5.5(HRV)						
NEIC	Felt I=II MM at Arequipa, Peru.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c59; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.93±.05; $M_{\theta\theta}$−0.49±.06; $M_{\phi\phi}$−1.44±.08; $M_{r\theta}$0.49±.08; $M_{r\phi}$−0.54±.10; $M_{\theta\phi}$1.32±.07. Principal Axes: T 2.06,Plg80°,Azm36°; N 0.44, Plg3°,Azm144°; P −2.49,Plg9°,Azm235°. Best double couple: $M_0$2.3×10^{17}Nm, NP1:ϕ_S328°, δ36°,λ95°. NP2:ϕ_S142°,δ54°,λ86°.						
	(321) Southern Xinjiang Province						
ISC	**IV 15 18 19 10**±1.0	**39.62N**±.026	**76.98E**±.021	**22**±7.6	**5.4b,5.8s**	**546**	**1-155**
NEIC	IV 15 18 19 10.1	39.63N	76.99E	23	5.4b,5.8s		**¶97iv2631**
BJI	IV 15 18 19 10.2	39.59N	77.01E	23	5.8b,6.2s		
MOS	IV 15 18 19 12.2	39.7N	77.1E	33	5.9b,6.0s		
EIDC	IV 15 18 19 15.5	39.6N	77.0E	60	5.0b,5.4s		
HRVD	IV 15 18 19 15.6±.2	39.69N±.02	76.99E±.03	23			
NEIC	Mw5.8(GS), Me5.7(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 9.2±2.3×10^{12}Nm/12						
NEIC	Mw 5.8 (HRV). One person injured and some buildings destroyed in Jiashi County.						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S170°,δ65°,λ−145°. NP2:ϕ_S64°,δ59°,λ−30°. Principal axes: T Plg4°,Azm295°; P Plg42°,Azm29°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s35, scale 10^{17}Nm; M_{rr}−3.83; $M_{\theta\theta}$0.24; $M_{\phi\phi}$3.60; $M_{r\theta}$−1.36; $M_{r\phi}$2.43; $M_{\theta\phi}$2.65. Depth 7km; Principal axes: T 5.32,Plg10°,Azm295°; N 0.06,Plg28°, Azm200°; P −5.38,Plg60°,Azm43°. Best double couple: $M_0$5.4×10^{17}Nm; NP1:ϕ_S55°,δ43°, λ−46°. NP2:ϕ_S182°,δ61°,λ−123°.						
MOS	Felt I=III MSK at Naryn, Sufi−Kurgan; I=II at Alma−Ata, Bishkek.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c97; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.53±.12; $M_{\theta\theta}$−0.90±.17; $M_{\phi\phi}$4.43±.13; $M_{r\theta}$−1.22±.26; $M_{r\phi}$−0.49±.28; $M_{\theta\phi}$5.70±.13. Principal Axes: T 8.16,Plg5°,Azm123°; N −3.19, Plg60°,Azm222°; P −4.97,Plg29°,Azm30°. Best double couple: $M_0$6.6×10^{17}Nm, NP1: ϕ_S170°,δ66°,λ−162°. NP2:ϕ_S73°,δ74°,λ−25°.						
	(243) Taiwan region						
ISC	**IV 15 21 33 24.9**±.39	**23.99N**±.027	**122.33E**±.040	**40**±4.0	**4.5b,4.3s**	**98**	**1-92**
TAP	IV 15 21 33 22.6	23.99N	122.30E	5	4.9L		**¶97iv2650**
MOS	IV 15 21 33 23.7	24.1N	122.7E	33	4.9b,4.4s		
JMA	IV 15 21 33 23.9±.6	24.16N±.06	122.15E±.04	50	4.6		
BJI	IV 15 21 33 26.1	24.17N	122.43E	51	4.2L,4.6b		
NEIC	IV 15 21 33 26.7	24.14N	122.42E	54	4.8b,4.5s		
EIDC	IV 15 21 33 29.5	24.1N	122.4E	71	4.0b,3.6s		
TAP	Felt I=II J						
BJI	Ms4.5						
NEIC	Poor solution.						
	(546) Austria						
ISC	**IV 15 22 32 48.6**±.75	**46.48N**±.061	**13.59E**±.083	**0**±12		**14**	**0-4**
LJU	IV 15 22 32 48.7	46.5N	13.69E	8			**¶97iv2661**
NEIC	IV 15 22 32 49.6	46.43N	13.68E	5			
LJU	Felt I=III−IV EMS in Ratece and Podkoren, Slovenia						
NEIC	M_L2.4(VIE), Less reliable solution.						
	(81) Panama						
ISC	**IV 16 09 16 02.2**±.79	**7.30N**±.063	**80.12W**±.067	**46**±7.9	**4.0b,3.4s**	**33**	**1-144**
NEIC	IV 16 09 15 57.2	7.17N	80.41W	10	4.1b		**¶97iv2732**
EIDC	IV 16 09 15 57.5	7.1N	80.7W	0	4.1b,3.5s		
NEIC	M_D4.6(UPA)						
NEIC	Felt I=III MM at Arraijan and on Peninsula de Azuero. Also felt at Panama City.						
	(243) Taiwan region						
ISC	**IV 16 10 33 04**±1.6	**22.96N**±.071	**121.5E**±.16	**16**		**6**	**0-1**
TAP	IV 16 10 33 05.6	23.01N	121.33E	16	2.6L		**¶97iv2744**
TAP	Felt I=II J Chengkung						
	(39) Central California						
ISC	**IV 16 16 41 02**±1.3	**36.80N**±.072	**121.70W**±.083	**9**±8.4		**26**	**0-8**
NEIC	IV 16 16 41 03.5	36.88N	121.61W	8			**¶97iv2784**
NEIC	M_D3.5(GM), M_L3.3(BRK). Felt, After GM−P.						
NEIC	ML 3.3 (GS). Felt in the epicentral area.						
	(39) Central California						
ISC	**IV 16 17 02 47**±1.3	**36.81N**±.082	**121.71W**±.095	**8**±7.9		**21**	**0-3**
NEIC	IV 16 17 02 47.9	36.88N	121.62W	8			**¶97iv2789**
NEIC	M_D3.2(GM), M_L3.2(GS). Felt, After GM−P.						
NEIC	ML 3.1 (BRK). Felt in the epicentral area.						
	(39) Central California						
ISC	**IV 17 01 43 14**±1.2	**36.92N**±.099	**121.6W**±.12	**4**±15		**9**	**0-2**
NEIC	IV 17 01 43 13.8	36.88N	121.62W	8			**¶97iv2833**
NEIC	M_L3.0(BRK), M_D2.9(GM). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
	(39) Central California						
ISC	**IV 17 01 44 36**±1.5	**36.8N**±.12	**121.7W**±.12	**8**		**10**	**0-3**
NEIC	IV 17 01 44 36.8	36.88N	121.62W	8			**¶97iv2834**
NEIC	M_D3.1(GM), M_L3.0(BRK). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
	(39) Central California						
ISC	**IV 17 01 52 54**±1.5	**36.8N**±.14	**121.7W**±.12	**12**±12		**13**	**0-4**
NEIC	IV 17 01 52 54.4	36.88N	121.61W	8			**¶97iv2836**
NEIC	M_D3.2(GM), M_L3.2(BRK). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
	(163) Cook Strait, New Zealand						
ISC	**IV 17 03 42 04**±1.3	**41.74S**±.088	**174.8E**±.12	**32**±9.6		**16**	**0-3**
WEL	IV 17 03 42 04.7	41.65S	174.82E	29	3.7L		**¶97iv2849**
WEL	Felt Stoke.						
	(244) Taiwan						
ISC	**IV 17 03 51 01**±2.7	**24.4N**±.11	**121.9E**±.24	**17**±43		**6**	**0-1**
TAP	IV 17 03 51 01.5	24.48N	121.84E	17	2.3L		**¶97iv2850**
TAP	Felt I=II J						
	(224) Hokkaido region						
ISC	**IV 17 12 43 30.5**±.42	**42.94N**±.026	**145.33E**±.053	**64**±4.4	**4.1b**	**136**	**0-153**
MOS	IV 17 12 43 30.3	43.0N	145.4E	61	4.6b		**¶97iv2899**
NEIC	IV 17 12 43 30.5	43.02N	145.21E	65	4.3b		
BJI	IV 17 12 43 30.6	43.09N	145.36E	71	4.7b		
SKHL	IV 17 12 43 31.0	43.0N±.05	145.1E±.05	60			
EIDC	IV 17 12 43 31.4	43.1N	145.2E	55	3.8b		
JMA	IV 17 12 43 31.8±.2	43.05N±.01	145.24E±.02	55±3	4.3		
SKHL	K10 Felt I=II MSK at Yuzhno−Kurilsk						
	(216) Marianas						
ISC	**IV 17 17 47 44.4**±.55	**13.01N**±.077	**144.4E**±.11	**33**	**4.1b**,3.4s	**20**	**1-148**
EIDC	IV 17 17 47 40.0	13.2N	144.8E	0	4.1b,3.4s		**¶97iv2947**
NEIC	IV 17 17 47 44.0	12.98N	144.43E	33	4.2b		
NEIC	Felt, Less reliable solution.						
NEIC	Felt at Agana, Agana Heights and Dededo, Guam.						
	(2) Southern Alaska						
ISC	**IV 18 00 48 06.0**±.28	**61.55N**±.035	**150.59W**±.065	**70**±4.1	**3.9b**	**58**	**0-83**
EIDC	IV 18 00 48 05.7	61.5N	150.7W	50	3.8b,3.8L		**¶97iv3002**
NEIC	IV 18 00 48 07.5	61.51N	150.62W	60	3.7b		
NEIC	M_L4.1(PMR), M_L4.0(AEIC). Felt I=II MM, After AEIC.						
NEIC	Felt I=II MM at Anchorage and Palmer. Also felt at Eagle River.						
	(244) Taiwan						
ISC	**IV 18 15 34 45.9**±.82	**23.89N**±.055	**120.75E**±.071	**9**±10		**10**	**0-1**
TAP	IV 18 15 34 45.5	23.89N	120.75E	11	2.7L		**¶97iv3097**
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**IV 19 01 03 11**±1.4	**24.44N**±.079	**121.8E**±.15	**7**±19		**8**	**0-1**
TAP	IV 19 01 03 10.6	24.47N	121.84E	8	2.6L		**¶97iv3135**
TAP	Felt I=III J						
	(1) Central Alaska						
NEIC	**IV 19 09 34 35.8**	**64.93N**	**147.59W**	**12**			**0-0**
NEIC	M_L2.4(AEIC). Felt, After AEIC.						**¶97iv3184**
NEIC	Felt at Fairbanks and North Pole.						
	(89) Mona Passage						
ISC	**IV 19 15 41 52**±2.2	**18.3N**±.31	**67.3W**±.11	**49**±31		**8**	**0-1**
NEIC	IV 19 15 41 52.4	18.39N	67.31W	33			**¶97iv3217**
NEIC	M_D3.5(MPR). Less reliable solution.						
NEIC	Felt I=III MM in southwestern Puerto Rico.						
	(244) Taiwan						
ISC	**IV 19 20 53 49.1**±.71	**23.35N**±.037	**120.44E**±.062	**11**±7.1		**19**	**0-2**
TAP	IV 19 20 53 48.7	23.33N	120.47E	9	3.5L		**¶97iv3235**
TAP	Felt I=II J Chiayi						
	(243) Taiwan region						
ISC	**IV 20 02 52 53**±2.9	**24.32N**±.073	**122.1E**±.22	**7**±13		**11**	**0-1**
TAP	IV 20 02 52 54.2	24.38N	122.00E	11	3.0L		**¶97iv3265**
TAP	Felt I=II J						
	(243) Taiwan region						
ISC	**IV 20 05 53 09.3**±.59	**22.73N**±.044	**121.09E**±.076	**16**±8.4		**15**	**0-2**
TAP	IV 20 05 53 08.4	22.70N	121.06E	13	3.7L		**¶97iv3278**
TAP	Felt I=II J Pinlang						
	(244) Taiwan						
ISC	**IV 20 09 37 58**±1.5	**24.43N**±.098	**121.7E**±.17	**11**		**4**	**0-1**
TAP	IV 20 09 37 57.8	24.43N	121.75E	11	2.4L		**¶97iv3294**
ISC	Poorly determined						
TAP	Felt I=III J						
	(499) Oklahoma						
TUL	**IV 20 10 02 30.6**	**34.7N**	**98.5W**	**5**	**1.8L,2.0b**		**¶97iv3297**
TUL	Felt I=III MM						
	(244) Taiwan						
ISC	**IV 20 10 54 05**±2.1	**24.43N**±.099	**121.8E**±.28	**12**±18		**6**	**0-1**
TAP	IV 20 10 54 04.1	24.45N	121.74E	7	2.2L		**¶97iv3299**
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**IV 20 15 55 37.4**±.68	**23.90N**±.043	**121.72E**±.099	**38**±8.7	**3.3b**	**28**	**0-83**
EIDC	IV 20 15 55 26.7	22.4N	122.7E	0	3.3b,4.0L		**¶97iv3337**
TAP	IV 20 15 55 37.2	23.90N	121.65E	33	4.1L		
BJI	IV 20 15 55 49.0	24.87N	120.76E	5	3.0L		
TAP	Felt I=III J Hwalien						
	(244) Taiwan						
ISC	**IV 21 02 14 09.9**±.87	**24.42N**±.044	**121.7E**±.12	**6**±9.9		**12**	**0-1**
TAP	IV 21 02 14 09.2	24.44N	121.76E	10	2.9L		**¶97iv3386**
TAP	Felt I=V J						

(244) Taiwan
ISC IV 21 02 14 52±1.3 **24.43N**±.090 **121.8E**±.15 **8** **5 0-1**
TAP IV 21 02 14 50.8 24.45N 121.74E 8 2.2L **¶97iv3387**
TAP Felt I=III J

(366) Turkey
ISC IV 21 03 43 43.0±.74 **37.22N**±.047 **28.46E**±.073 **24**±9.3 **29 0-9**
NEIC IV 21 03 43 41.3 37.24N 28.56E 10 **¶97iv3399**
THE IV 21 03 43 42.9 37.3N 28.4E 1
ISK IV 21 03 43 42.9 37.30N 28.41E 9 3.6D
ATH IV 21 03 43 47.8 37.03N 27.96E 5 3.9D
NEIC Felt at Mugla.

(2) Southern Alaska
ISC IV 21 07 34 12.5±.25 **61.86N**±.023 **148.87W**±.055 **17** **57 0-6**
NEIC IV 21 07 34 13.0 61.82N 148.90W 17 **¶97iv3422**
NEIC M_L3.5(PMR), M_L3.0(AEIC). Felt I=II MM, After AEIC.
NEIC Felt I=II MM at Anchorage.

(184) Santa Cruz Islands
ISC IV 21 12 02 30±1.3 **12.60S**±.028 **166.64E**±.030 **66**±12 **6.0b** **806 5-170**
BJI IV 21 12 02 26.2 12.60S 166.77E 35 6.3b,7.6s **¶97iv3460**
NEIC IV 21 12 02 26.4 12.58S 166.68E 33 6.4b,7.9s
MOS IV 21 12 02 26.9 12.5S 166.7E 34 6.6b,7.6s
EIDC IV 21 12 02 30.6 12.7S 166.7E 59 5.3b,7.3s
HRVD IV 21 12 03 08.7±.2 13.21S±.01 166.20E±.01 51±.6
NEIC Ms7.9(BRK), Mw7.7(GS)
NEIC Radiated energy from the P−wave first−motion solution: 8.3±1.6×10^{15}Nm/21
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ75°,λ120°. NP2:ϕ_S294°,δ33°,λ28°. Principal axes: T Plg51°,Azm124°; P Plg24°,Azm247°. Complex earthquake with at least one large event occurring about 26 seconds after small initial onset. Depth and focal mechanism based on largest event.
NEIC Moment tensor solution: s36, scale 10^{20}Nm; M_{rr}2.43; $M_{\theta\theta}$0.20; $M_{\phi\phi}$−2.63; $M_{r\theta}$−1.43; $M_{r\phi}$−2.22; $M_{\theta\phi}$−0.61. Depth 28km; Principal axes: T 3.65,Plg64°,Azm138°; N 0.12,Plg12°, Azm22°; P −3.77,Plg22°,Azm287°. Best double couple: $M_0$3.7×10^{20}Nm; NP1:ϕ_S355°,δ25°, λ61°. NP2:ϕ_S207°,δ68°,λ103°.
NEIC Mw 7.7 (HRV). Me 7.7 (GS). Local tsunami generated with wave heights up to 3 meters along the coasts of the Solomon and Vanuatu Islands, causing damage to some houses. Minor tsunami recorded on Funafuti, Tuvalu and at Suva, Fiji. Felt at Honiara, Solomon Islands and on Santo, Vanuatu Islands. Mo=7.0×10^{20}Nm (PPT).
HRVD Centroid moment tensor solution. Data used: GSN; Mantle waves: s47,c88; Half duration: 14s4. Moment tensor: Scale 10^{20}Nm; M_{rr}2.74±.04; $M_{\theta\theta}$−0.07±.02; $M_{\phi\phi}$−2.66±.03; $M_{r\theta}$−0.75±.05; $M_{r\phi}$−2.50±.06; $M_{\theta\phi}$2.27±.02. Principal Axes: T 4.31,Plg57°,Azm131°; N 0.16, Plg29°,Azm344°; P −4.46,Plg15°,Azm245°. Best double couple: $M_0$4.4×10^{20}Nm, NP1: ϕ_S301°,δ39°,λ40°. NP2:ϕ_S178°,δ66°,λ122°.
HNR Mag 7.7, felt at Honiara

(14) Kenai Peninsula
ISC IV 21 15 11 48.9±.42 **60.64N**±.025 **150.65W**±.046 **18**±5.7 **76 0-17**
NEIC IV 21 15 11 49.1 60.67N 150.65W 11 3.2b **¶97iv3513**
NEIC M_L3.7(PMR), M_L3.5(AEIC). Felt, After AEIC.
NEIC Felt at Anchorage.

(5) Near Islands
ISC IV 21 15 26 12±2.4 **52.58N**±.058 **172.44E**±.050 **7**±15 **5.0b,**5.2s **155 1-153**
EIDC IV 21 15 26 13.0 52.7N 172.4E 0 4.8b **¶97iv3519**
MOS IV 21 15 26 15.5 52.5N 172.4E 33 5.5b
NEIC IV 21 15 26 16.0 52.60N 172.49E 33 4.9b
BJI IV 21 15 26 16.3 52.75N 172.31E 35 5.0b,5.4s
NEIC Felt.
NEIC Felt on Shemya.

(2) Southern Alaska
ISC IV 21 15 33 41.5±.28 **61.57N**±.027 **146.48W**±.060 **45**±9.3 3.4b **61 0-43**
EIDC IV 21 15 33 28.1 61.5N 149.1W 0 3.6L,3.5b **¶97iv3521**
NEIC IV 21 15 33 42.7 61.56N 146.48W 30
NEIC M_L4.3(PMR), M_L4.0(AEIC). Felt, After AEIC.
NEIC Felt at Anchorage and Valdez.

(710) Pakistan
ISC IV 21 15 47 56±2.0 **29.77N**±.055 **68.20E**±.044 **28**±14 **4.5b** **85 1-96**
EIDC IV 21 15 47 53.3 29.7N 68.1E 0 4.5b,4.7L **¶97iv3525**
BJI IV 21 15 47 55.4 29.98N 68.44E 3 4.7b,4.1s
NEIC IV 21 15 47 56.6 29.78N 68.21E 33 4.7b
MOS IV 21 15 47 58.0 30.0N 68.4E 33 4.9b
NEIC Felt at Quetta.

(43) Southern California
ISC IV 21 15 55 58±1.0 **34.30N**±.069 **118.67W**±.060 **1**±7.0 **22 0-2**
NEIC IV 21 15 55 58.3 34.29N 118.70W 12 **¶97iv3530**
NEIC M_D2.8(PAS). Felt, After PAS.
NEIC Felt at Simi Valley.

(2) Southern Alaska
ISC IV 22 01 15 34.8±.20 **61.49N**±.023 **150.41W**±.045 **65**±4.2 **3.7b** **105 0-147**
EIDC IV 22 01 15 32.2 61.4N 151.1W 41 3.6b,3.7L **¶97iv3612**
NEIC IV 22 01 15 36.4 61.49N 150.46W 48
NEIC M_L4.2(PMR), M_L4.1(AEIC). Felt, After AEIC.
NEIC Felt at Anchorage and Willow.

(390) Southern Italy
ISC IV 22 03 12 03.6±.60 **41.37N**±.030 **14.61E**±.027 **20**±6.4 **3.8b** **116 0-89**
LDG IV 22 03 12 02.1 41.2N 14.8E 3.7L **¶97iv3627**
ROM IV 22 03 12 03.0 41.4N 14.6E 5 3.5D
NEIC IV 22 03 12 03.5 41.42N 14.64E 21 3.7b
EIDC IV 22 03 12 07.3 41.5N 14.9E 40 3.7b,4.3L
PDG IV 22 03 12 10.5 41.3N 15.3E 11 4.0L
THE IV 22 03 12 11.1 41.6N 15.4E 10 4.0L
NEIC $M_{L3.6}$(VIE)
NEIC Felt throughout Molise. Also felt in parts of Benevento Province.

(274) Southern Sumatera
ISC IV 22 05 55 58.4±.56 **3.38S**±.026 **102.10E**±.028 **101**±5.2 **5.6b** **442 4-165**
BJI IV 22 05 55 57.2 3.54S 102.02E 101 5.9b **¶97iv3652**
MOS IV 22 05 55 58.6 3.3S 102.1E 98 6.1b
KLM IV 22 05 55 59 3.3S 102.1E 108 5.2L
NEIC IV 22 05 55 59.3 3.37S 102.14E 108 5.6b
EIDC IV 22 05 55 59.7 3.4S 102.1E 101 5.4b,4.5s
HRVD IV 22 05 56 03.9±.2 3.44S±.02 101.87E±.02 108±1.4
KLM Mb5.6
NEIC Mw5.9(GS), Mw5.9(HRV)
NEIC Felt at Bengkulu.
NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}2.59; $M_{\theta\theta}$−4.49; $M_{\phi\phi}$1.89; $M_{r\theta}$4.97; $M_{r\phi}$−2.15; $M_{\theta\phi}$−3.95. Depth 97km; Principal axes: T 7.71,Plg43°,Azm51°; N 0.08,Plg39°, Azm271°; P −7.79,Plg22°,Azm162°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S207°,δ42°, λ20°. NP2:ϕ_S102°,δ77°,λ130°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c98; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}1.57±.11; $M_{\theta\theta}$−3.23±.18; $M_{\phi\phi}$1.66±.21; $M_{r\theta}$5.41±.11; $M_{r\phi}$−1.98±.11; $M_{\theta\phi}$−3.23±.16. Principal Axes: T 7.25,Plg42°,Azm46°; N −0.16, Plg34°,Azm278°; P −7.09,Plg29°,Azm167°. Best double couple: $M_0$7.2×10^{17}Nm, NP1: ϕ_S205°,δ35°,λ13°. NP2:ϕ_S104°,δ82°,λ124°.

(95) Windward Islands
ISC IV 22 09 31 28.9±.45 **11.16N**±.023 **61.09W**±.020 **47**±4.0 **5.8b,6.5s** **769 0-173**
TRN IV 22 09 31 21.6 11.0N 60.6W 3 6.1D **¶97iv3685**
NEIC IV 22 09 31 23.2 11.11N 60.89W 5 6.0b,6.5s
BJI IV 22 09 31 23.4 11.12N 61.14W 13 7.0s
EIDC IV 22 09 31 23.6 11.1N 61.0W 0 5.5b,6.9s
MOS IV 22 09 31 24.2 11.2N 61.1W 10 6.4b,6.4s
HRVD IV 22 09 31 32.7±.1 11.28N±.01 61.05W±.01 15
TRN Widely felt throughout Tobago I=VII MM and I=VI in some parts of northern Trinidad
NEIC Mw6.7(GS), Me6.7(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.2±0.6×10^{14}Nm/15
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S145°,δ75°,λ−20°. NP2:ϕ_S240°,δ71°, λ−164°. Principal axes: T Plg3°,Azm193°; P Plg25°,Azm102°. Two events about 3 seconds apart. Depth from broadband displacement seismograms based on first event.
NEIC Moment tensor solution: s61, scale 10^{19}Nm; M_{rr}−0.18; $M_{\theta\theta}$0.50; $M_{\phi\phi}$−0.33; $M_{r\theta}$−1.18; $M_{r\phi}$0.67; $M_{\theta\phi}$0.10. Depth 4km; Principal axes: T 1.46,Plg39°,Azm194°; N −0.05,Plg16°, Azm298°; P −1.41,Plg47°,Azm46°. Best double couple: $M_0$1.4×10^{19}Nm; NP1:ϕ_S223°,δ17°, λ−166°. NP2:ϕ_S119°,δ86°,λ−73°.
NEIC Mw 6.7 (HRV). Ms 6.5 (BRK) Two people injured, three houses destroyed and extensive damage in the western part of Tobago. Damage estimated at more than 25 million U.S. dollars. One of the largest known earthquakes to occur on or near Trinidad and Tobago. Seismicity in this possible triple junction zone results from the highly oblique, right-lateral collision between the Caribbean and South American plates and subduction of either the North or South American plate beneath the Caribbean plate. Note the Windward Islands magnitude 6.2 (Mw) event of April 2, located about 50 km to the north. Mo=1.1×10^{19}Nm (PPT).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c133; Mantle waves: s49,c109; Half duration: 5s2. Moment tensor: Scale 10^{18}Nm; M_{rr}−6.26±.05; $M_{\theta\theta}$9.30±.04; $M_{\phi\phi}$−3.04±.05; $M_{r\theta}$−3.00±.21; $M_{r\phi}$6.74±.19; $M_{\theta\phi}$−2.40±.04. Principal Axes: T 11.0,Plg16°,Azm197°; N 0.7,Plg33°,Azm298°; P −11.6,Plg52°,Azm86°. Best double couple: $M_0$1.1×10^{19}Nm, NP1:ϕ_S250°,δ41°,λ−146°. NP2:ϕ_S133°,δ69°,λ−54°.

(95) Windward Islands
ISC IV 22 10 11 51.6±.47 **11.12N**±.029 **60.99W**±.030 **50**±4.2 **5.3b,5.7s** **320 0-167**
NEIC IV 22 10 11 44.7 11.03N 60.96W 5 5.6b **¶97iv3695**
TRN IV 22 10 11 45.4 11.0N 60.5W 3 4.3D
EIDC IV 22 10 11 45.8 11.1N 60.9W 0 5.0b,5.7s
BJI IV 22 10 11 46.6 11.05N 61.09W 18
MOS IV 22 10 11 48.0 11.4N 61.0W 10 5.8b
NEIC Felt on Trinidad and Tobago.

(39) Central California
ISC IV 22 11 18 07.7±.64 **37.43N**±.050 **121.79W**±.053 **14**±5.7 **26 0-4**
NEIC IV 22 11 18 08.0 37.43N 121.77W 10 **¶97iv3713**
NEIC M_D3.3(GM), M_L3.3(BRK). Felt, After GM−P.
NEIC Felt at Hayward.

(244) Taiwan
ISC IV 22 12 35 59.1±.43 **22.71N**±.033 **120.87E**±.044 **6** **3.7b** **24 0-84**
TAP IV 22 12 35 58.7 22.73N 120.85E 6 3.8L **¶97iv3730**
EIDC IV 22 12 36 01.2 22.7N 122.6E 0 3.7b
NEIC IV 22 12 36 03.6 22.58N 122.09E 33 3.5b
TAP Felt I=III J
NEIC Poor solution.

(353) Southern Iran
ISC IV 22 17 39 41.0±.93 **28.35N**±.042 **52.82E**±.032 **58**±8.6 **4.8b,**4.5s **161 1-118**
NEIC IV 22 17 39 38.0 28.38N 52.90E 33 4.8b **¶97iv3799**
MOS IV 22 17 39 38.4 28.3N 52.8E 33 5.2b
BJI IV 22 17 39 39.2 28.04N 53.16E 29 5.1b,4.9s
EIDC IV 22 17 39 41.5 28.3N 52.9E 53 4.5b,5.2L
NEIC Some houses damaged in the epicentral area.

(243) Taiwan region
ISC IV 23 12 12 58±2.3 **24.33N**±.053 **122.0E**±.22 **10** **10 0-2**
TAP IV 23 12 12 58.5 24.39N 121.95E 10 3.0L **¶97iv3955**
TAP Felt I=II J

(216) Marianas
ISC IV 23 19 44 29.9±.52 **13.93N**±.022 **144.94E**±.027 **114**±4.8 **5.9b** **627 0-174**
NEIC IV 23 19 44 28.4 13.99N 144.90E 101 6.2b **¶97iv4021**
MOS IV 23 19 44 28.7 14.0N 144.9E 102 6.0b
EIDC IV 23 19 44 29.3 14.0N 145.2E 99 5.6b,5.6s
BJI IV 23 19 44 29.5 13.91N 145.05E 113 5.9b
HRVD IV 23 19 44 33.8±.1 13.83N±.01 145.05E±.01 95±.4
NEIC Mw6.5(GS), Me6.2(GS)
NEIC Radiated energy from the P−wave first−motion solution: 4.4±1.4×10^{13}Nm/12
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S175°,δ45°,λ−40°. NP2:ϕ_S296°,δ63°, λ−127°. Principal axes: T Plg10°,Azm52°; P Plg55°,Azm157°. Depth from synthetics of broadband displacement seismograms.
NEIC Mw 6.5 (HRV). Four people injured and some damage to buildings on Guam. Felt I=VII MM at Inarajan, Merizo and Yona; VI MM in central Guam; IV MM at Dededo and Yigo, Guam. Felt strongly on Rota, Saipan and Tinian. Power outages occurred on Guam and Rota.
NEIC Moment tensor solution: s44, scale 10^{18}Nm; M_{rr}−4.08; $M_{\theta\theta}$2.64; $M_{\phi\phi}$1.43; $M_{r\theta}$2.21; $M_{r\phi}$0.98; $M_{\theta\phi}$−4.82. Depth 94km; Principal axes: T 7.00,Plg5°,Azm40°; N −1.21,Plg36°,Azm306°; P −5.78,Plg53°,Azm138°. Best double couple: $M_0$6.4×10^{18}Nm; NP1:ϕ_S163°,δ51°,λ−40°. NP2: ϕ_S281°,δ60°,λ−133°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c114; Mantle waves: s44,c89; Half duration: 4s3. Moment tensor: Scale 10^{18}Nm; M_{rr}−4.65±.04; $M_{\theta\theta}$2.78±.04; $M_{\phi\phi}$1.87±.04; $M_{r\theta}$2.06±.04; $M_{r\phi}$1.02±.04; $M_{\theta\phi}$−4.49±.03. Principal Axes: T 6.90,Plg4°,Azm41°; N −0.97,Plg30°,Azm309°; P −5.93,Plg60°,Azm139°. Best double couple: $M_0$6.4×10^{18}Nm, NP1:ϕ_S159°,δ48°,λ−49°. NP2:ϕ_S286°,δ56°,λ−126°.

(216) Marianas
ISC IV 24 04 01 04±1.3 **14.1N**±.14 **144.5E**±.29 **112**±10 **3.9b** **25 1-148**
EIDC IV 24 04 00 51.5 14.2N 144.6E 0 4.1b **¶97iv4076**
NEIC IV 24 04 00 55.0 14.71N 143.68E 33
NEIC Less reliable solution.
NEIC Felt I=III MM at Anigua and Tamuning, Guam.

(158) Off west coast of North Island, N.Z.
ISC IV 24 07 04 36±1.6 **39.27S**±.051 **173.65E**±.094 **8**±11 **22 0-6**
WEL IV 24 07 04 38.1 39.28S 173.77E 7 4.1L **¶97iv4097**
WEL Felt Oaonui−Okato district.

(546) Austria
ISC IV 24 07 21 14.1±.89 **47.26N**±.075 **11.51E**±.082 **0** **6 0-1**
NEIC Felt I=III MSK at Hall, Tyrol (after WTTA) **¶97iv4100**

(662) Sakhalin
SKHL IV 24 09 54 17.0 **53.19N**±.03 **142.69E**±.06 **9**±2 **¶97iv4119**
SKHL K8.5. Felt I=II−III MSK at Sabo, Tungor

(43) Southern California
NEIC IV 24 12 32 22.1 **34.03N** **118.90W** **11** **1-1**
NEIC M_L2.6(PAS). Felt, After PAS. **¶97iv4143**
NEIC Felt in the Malibu area.

(244) Taiwan
ISC IV 24 16 57 00.9±.74 **23.90N**±.041 **120.73E**±.063 **12**±8.1 **17 0-1**
TAP IV 24 16 57 00.6 23.89N 120.75E 12 3.4L **¶97iv4181**
TAP Felt I=IV J

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(127) Chile-Argentina border region						
ISC	**IV 25 04 24 23**±2.1	**33.39S**±.080	**70.4W**±.16	**105**±22		**15**	**0-2**
NEIC	IV 25 04 24 23.5	33.40S	70.38W	100			**¶97iv4279**
GUC	IV 25 04 24 23.9	33.40S	70.42W	99	3.7D		
NEIC	Felt I=III MM at Santiago, Chile.						
	(162) South Island, New Zealand						
ISC	**IV 25 09 06 41.0**±.78	**41.84S**±.066	**173.8E**±.11	**101**±15		**23**	**0-5**
WEL	IV 25 09 06 43.3	41.77S	173.66E	78	4.3L		**¶97iv4312**
WEL	Felt Wellington, Blenheim and Picton.						
	(546) Austria						
ISC	**IV 25 13 16 04.7**±.45	**46.25N**±.040	**13.77E**±.051	**5**		**22**	**0-4**
ROM	IV 25 13 16 03.7	46.3N	13.9E	5	2.9D		**¶97iv4348**
LJU	IV 25 13 16 05.2	46.23N	13.8E	11			
LJU	Felt I=IV−V EMS in Zabce, Slovenia						
	(244) Taiwan						
ISC	**IV 25 14 56 41.9**±.74	**23.13N**±.035	**120.72E**±.057	**0**±9.3		**18**	**0-2**
TAP	IV 25 14 56 40.9	23.12N	120.73E	5	3.4L		**¶97iv4365**
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**IV 25 22 01 02.0**±.91	**23.81N**±.055	**121.46E**±.093	**14**±9.3		**16**	**0-1**
TAP	IV 25 22 01 01.0	23.82N	121.46E	18	3.3L		**¶97iv4426**
TAP	Felt I=IV J						
	(244) Taiwan						
ISC	**IV 26 01 31 40.2**±.61	**23.14N**±.035	**120.72E**±.050	**4**±8.6		**18**	**0-2**
TAP	IV 26 01 31 39.2	23.12N	120.74E	5	3.4L		**¶97iv4449**
TAP	Felt I=III J						
	(382) Adriatic Sea						
ISC	**IV 26 07 30 18.8**±.15	**42.82N**±.019	**17.64E**±.019	**9**	**4.1b,4.2s**	**211**	**1-90**
PDG	IV 26 07 30 17.6	42.9N	17.6E	9	4.5L,4.5D		**¶97iv4490**
LDG	IV 26 07 30 18.0	42.9N	18.0E		4.4L		
NEIC	IV 26 07 30 19.2	42.87N	17.64E	10	4.1b		
MOS	IV 26 07 30 19.4	42.8N	17.6E	10	4.2b		
EIDC	IV 26 07 30 26.4	43.0N	17.6E	57	3.8b,4.0s		
STR	IV 26 07 30 34.7	43.33N	16.48E	10	4.3L		
ATH	IV 26 07 30 47.2	41.35N	19.02E	30	4.0D		
NEIC	$M_{L4.2}$(ROM)						
NEIC	Some houses damaged, avalanche and landslides occurred in the Ston area, Croatia.						
	(244) Taiwan						
ISC	**IV 26 10 33 27**±1.6	**24.45N**±.053	**121.8E**±.19	**21**		**11**	**0-1**
TAP	IV 26 10 33 27.2	24.49N	121.79E	21	3.0L		**¶97iv4526**
TAP	Felt I=II J						
	(43) Southern California						
ISC	**IV 26 10 37 29.0**±.84	**34.31N**±.029	**118.78W**±.030	**15**±5.4	**4.7b,5.0s**	**158**	**0-149**
MOS	IV 26 10 37 28.3	34.3N	118.8W	14	5.2b		**¶97iv4527**
ECX	IV 26 10 37 28.6	34.35N	118.72W	10	5.0D		
NEIC	IV 26 10 37 30.6	34.37N	118.67W	17	5.0b,5.0s		
BJI	IV 26 10 37 31.2	35.44N	119.00W	5	4.8b,5.3s		
EIDC	IV 26 10 37 34.4	34.4N	118.6W	46	4.2b,4.2L		
NEIC	M_L5.1(PAS), Mw4.8(BRK). Felt I=V MM, After PAS.						
NEIC	ML 5.1 (BRK). Felt I=V MM at Acton, Carpinteria, Culver City, Glendale, North Hills, Northridge, Santa Clarita, Santa Monica, Sylmar, Tarzana, Thousand Oaks, Tujunga and Van Nuys; IV MM at Agoura Hills, Canoga Park, Goleta, Lake Hughes, Lakewood, Lancaster, Leona Valley, Los Angeles, Montrose, North Hollywood, Norwalk, Oxnard, Pacoima, Palmdale, Placentia, Reseda, San Bernardino, San Fernando, Simi Valley, South Gate, Torrance, Ventura, Walnut and West Hills; III MM at Bonsall, La Mirada, Mojave, Ontario and Paramount. Mo=1.5×10^{16}Nm (BRK).						
	(43) Southern California						
ISC	**IV 26 10 40 28.5**±.82	**34.33N**±.045	**118.74W**±.056	**10**±6.4		**28**	**0-28**
NEIC	IV 26 10 40 29.7	34.38N	118.67W	15			**¶97iv4529**
NEIC	M_L4.1(BRK), M_L3.9(PAS). Felt, After PAS.						
	(43) Southern California						
ISC	**IV 26 10 54 30.4**±.48	**34.36N**±.039	**118.67W**±.048	**15**		**28**	**0-4**
NEIC	IV 26 10 54 30.7	34.38N	118.65W	15			**¶97iv4531**
NEIC	M_L3.0(PAS). Felt, After PAS.						
	(244) Taiwan						
ISC	**IV 26 11 36 58**±1.2	**24.45N**±.075	**121.8E**±.14	**7**±19		**8**	**0-1**
TAP	IV 26 11 36 56.8	24.48N	121.80E	21	2.8L		**¶97iv4539**
TAP	Felt I=II J						
	(244) Taiwan						
ISC	**IV 26 11 40 52**±1.9	**24.45N**±.086	**121.8E**±.21	**23**		**6**	**0-1**
TAP	IV 26 11 40 51.9	24.48N	121.80E	23	2.5L		**¶97iv4540**
TAP	Felt I=II J						
	(244) Taiwan						
ISC	**IV 26 17 07 57**±2.0	**24.4N**±.10	**121.8E**±.20	**1**±31		**5**	**0-1**
TAP	IV 26 17 07 55.6	24.42N	121.78E	13	2.3L		**¶97iv4582**
ISC	Poorly determined						
TAP	Felt I=II J						
	(135) Near coast of Central Chile						
ISC	**IV 26 19 43 43.9**±.58	**32.54S**±.050	**71.90W**±.084	**12**	**4.1b**	**31**	**1-153**
NEIC	IV 26 19 43 46.2	32.61S	71.85W	33	3.9b		**¶97iv4600**
GUC	IV 26 19 43 47.2	32.65S	71.70W	12	4.5D		
EIDC	IV 26 19 43 47.7	32.6S	71.9W	30	4.0b,4.1L		
NEIC	Felt I=II MM at Papudo, Quillota, Quintero and Vina del Mar.						
	(244) Taiwan						
TAP	**IV 27 00 12 51.4**	**24.47N**	**121.74E**	**3**	**1.8L**		**¶97iv4628**
TAP	Felt I=III J						
	(186) Vanuatu (New Hebrides)						
ISC	**IV 27 00 31 34.3**±.86	**19.12S**±.028	**168.68E**±.031	**51**±7.8	**5.7b,5.6s**	**615**	**1-170**
MOS	IV 27 00 31 32.2	19.1S	168.8E	33	6.2b,5.6s		**¶97iv4633**
BJI	IV 27 00 31 32.4	18.72S	169.04E	33	6.3b,5.6s		
NEIC	IV 27 00 31 32.5	19.17S	168.73E	42	5.8b,5.6s		
EIDC	IV 27 00 31 38.8	19.0S	168.7E	82	5.1b,5.0s		
HRVD	IV 27 00 31 39.6±.1	19.13S±.01	168.31E±.01	47			
NEIC	Mw6.1(GS), Me5.8(GS)						
NEIC	Mw 6.0 (HRV). Felt at Port-Vila.						
NEIC	Radiated energy from the P−wave first−motion solution: 1.2±0.3×10^{13}Nm/13						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S160°,δ45°,λ105°. NP2:ϕ_S319°,δ47°,λ75°. Principal axes: T Plg79°,Azm155°; P Plg1°,Azm59°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s34, scale 10^{18}Nm; M_{rr}1.45; $M_{\theta\theta}$−0.37; $M_{\phi\phi}$−1.08; $M_{r\theta}$−0.13; $M_{r\phi}$−0.13; $M_{\theta\phi}$0.47. Depth 39km; Principal axes: T 1.47,Plg84°,Azm143°; N −0.15,Plg6°, Azm334°; P −1.31,Plg1°,Azm244°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S327°,δ44°, λ81°. NP2:ϕ_S160°,δ47°,λ99°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c86; Mantle waves: s32,c44; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}1.20±.01; $M_{\theta\theta}$0.08±.01; $M_{\phi\phi}$−1.28±.01; $M_{r\theta}$0.02±.02; $M_{r\phi}$−0.09±.02; $M_{\theta\phi}$0.30±.01. Principal Axes: T 1.21,Plg88°,Azm73°; N 0.14,Plg0°,Azm168°; P −1.34,Plg2°,Azm258°. Best double couple: $M_0$1.3×10^{18}Nm, NP1:ϕ_S348°,δ43°,λ90°. NP2:ϕ_S168°,δ47°,λ90°.						
	(43) Southern California						
ISC	**IV 27 11 09 26.9**±.54	**34.29N**±.032	**118.74W**±.029	**17**±4.0	**4.3b,3.9s**	**137**	**0-149**
MOS	IV 27 11 09 26.0	34.3N	118.8W	14	5.0b		**¶97iv4711**
ECX	IV 27 11 09 26.7	34.30N	118.71W	15	4.8D		
NEIC	IV 27 11 09 28.3	34.38N	118.65W	15	4.9b		
EIDC	IV 27 11 09 28.8	34.3N	118.9W	20	4.2b,3.8s		
NEIC	M_L4.9(BRK), M_L4.8(PAS). Felt, After PAS.						
NEIC	Felt throughout the Los Angeles area.						
	(135) Near coast of Central Chile						
ISC	**IV 27 17 32 30**±2.9	**28.61S**±.066	**71.1W**±.11	**28**±23	**4.2b,**3.1s	**41**	**4-149**
NEIC	IV 27 17 32 30.6	28.61S	71.13W	33	4.4b		**¶97iv4768**
EIDC	IV 27 17 32 32.7	28.6S	71.0W	45	4.1b,3.9L		
NEIC	Felt I=II MM at Vallenar.						
	(244) Taiwan						
ISC	**IV 27 23 59 32.5**±.29	**24.59N**±.031	**121.94E**±.040	**67**±3.7	**3.9b**	**61**	**0-83**
NEIC	IV 27 23 59 28.5	24.63N	122.28E	33	4.2b		**¶97iv4810**
BJI	IV 27 23 59 28.6	24.60N	122.16E	27	4.4L,4.6b		
TAP	IV 27 23 59 32.6	24.61N	121.96E	61	5.2L		
JMA	IV 27 23 59 34.8±.4	24.50N±.05	122.09E±.03	71			
EIDC	IV 27 23 59 45.8	24.5N	122.0E	182	3.5b		
NEIC	Less reliable solution.						
BJI	Ms4.4						
TAP	Felt I=IV J III Ilan, Neicheng, II Suao, Hwalien, I Mucha, Taipei, Chiawan, Kuangyinshan, Tachien						
	(376) Portugal						
ISC	**IV 28 01 22 58**±2.0	**39.18N**±.052	**9.4W**±.19	**21**±15		**21**	**0-4**
LIS	IV 28 01 22 59	39.17N	9.32W	6	2.7L		**¶97iv4821**
MDD	IV 28 01 22 59.4	39.15N	9.26W	7	3.0		
LIS	Felt I=II−III MM Torres Vedras						
	(244) Taiwan						
ISC	**IV 29 10 10 00**±1.0	**24.34N**±.053	**121.7E**±.14	**11**±11		**9**	**0-1**
TAP	IV 29 10 09 58.7	24.36N	121.72E	15	2.7L		**¶97iv5056**
TAP	Felt I=II J						
	(662) Sakhalin						
ISC	**IV 29 10 22 53**±1.2	**53.17N**±.058	**142.7E**±.15	**15**±10	**3.8b**	**16**	**0-80**
SKHL	IV 29 10 22 51.4	53.10N±.05	142.72E±.15	9±2			**¶97iv5059**
EIDC	IV 29 10 22 52.5	53.3N	142.9E	0	3.8b,3.9L		
NEIC	IV 29 10 22 55.7	53.34N	142.65E	33	4.0b		
SKHL	8K.7	Felt I=IV−V MSK at Sabo; I=IV at Tungor; I=II−III at Okha, Ozerniy					
NEIC	Less reliable solution.						
	(216) Marianas						
ISC	**IV 29 17 21 59.1**±.54	**14.04N**±.027	**145.41E**±.041	**108**±5.0	**5.1b**	**178**	**1-167**
MOS	IV 29 17 21 57.8	14.0N	145.6E	107	5.5b		**¶97iv5104**
NEIC	IV 29 17 21 57.9	14.08N	145.35E	98	5.2b		
BJI	IV 29 17 21 58.0	14.45N	145.35E	69	5.2b,4.7s		
HRVD	IV 29 17 21 59.4±.3	13.84N±.03	145.44E±.04	97±3.5			
EIDC	IV 29 17 21 59.4	14.0N	145.5E	104	4.7b		
NEIC	Mw5.4(HRV)						
NEIC	Felt I=V MM at Andersen AFB, IV MM at Potts Junction and III MM in the northern part of Guam. Also felt on Saipan.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c47; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.33±.33; $M_{\theta\theta}$6.50±.56; $M_{\phi\phi}$0.83±.64; $M_{r\theta}$9.18±.46; $M_{r\phi}$6.29±.43; $M_{\theta\phi}$1.55±.48. Principal Axes: T 12.7,Plg29°,Azm336°; N 1.0, Plg8°,Azm241°; P −13.7,Plg60°,Azm138°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S87°, δ18°,λ−63°. NP2:ϕ_S239°,δ74°,λ−98°.						
	(546) Austria						
ISC	**IV 30 04 00 43.5**±.79	**47.67N**±.052	**13.88E**±.082	**10**		**20**	**0-4**
SZGRF	IV 30 04 00 44.2	47.63N	14.25E	10	2.9L		**¶97iv5161**
NEIC	IV 30 04 00 44.5	47.60N	14.15E	5			
NEIC	M_L2.7(VIE). Less reliable solution.						
NEIC	Felt I=IV MM at Bad Mitterndorf.						
	(243) Taiwan region						
ISC	**IV 30 15 33 36**±1.1	**22.03N**±.066	**121.57E**±.089	**13**±7.3		**16**	**0-3**
TAP	IV 30 15 33 34.9	22.06N	121.67E	5	3.7L		**¶97iv5230**
TAP	Felt I=II J at Lanyu						
	(383) Northwestern Balkan region						
ISC	**IV 30 19 18 19.3**±.58	**45.91N**±.026	**16.12E**±.038	**20**±5.7	3.7b	**124**	**0-41**
NEIC	IV 30 19 18 18.1	45.90N	16.14E	10			**¶97iv5251**
LJU	IV 30 19 18 18.4	45.9N	16.2E	16			
LDG	IV 30 19 18 19.2	46.0N	16.2E		3.6L		
EIDC	IV 30 19 18 19.3	46.0N	16.2E	0	3.9L,3.9b		
STR	IV 30 19 18 24.8	46.90N	15.49E	2	4.1L		
NEIC	$M_{L3.8}$(ZAG), $M_{L3.6}$(VIE)						
NEIC	ML 3.5 (ROM). Felt I=VI MM at Kasina, Croatia.						
LJU	Felt I=IV EMS in Koritno, Slovenia						
	(243) Taiwan region						
ISC	**V 01 00 58 51**±1.9	**24.02N**±.048	**122.0E**±.11	**7**±11	3.4b	**23**	**0-83**
BJI	V 01 00 58 46.7	23.90N	122.18E	6	3.7L,3.4s		**¶97v0005**
TAP	V 01 00 58 52.6	24.10N	121.83E	8	4.2L		
TAP	Felt I=II J						
	(127) Chile-Argentina border region						
ISC	**V 01 04 12 29**±1.4	**33.09S**±.093	**69.3W**±.10	**12**±17		**15**	**0-2**
NEIC	V 01 04 12 28.6	33.08S	69.32W	5			**¶97v0029**
GUC	V 01 04 12 29.0	33.11S	69.30W	4	3.7D		
NEIC	Felt I=III MM in Mendoza Province, Argentina.						
	(54) Off coast of Jalisco, Mexico						
ISC	**V 01 11 37 34.2**±.22	**18.99N**±.034	**107.27W**±.030	**15**	**6.1b,6.8s**	**606**	**4-156**
EIDC	V 01 11 37 31.1	18.8N	107.3W	0	5.2b,6.8s		**¶97v0091**
MEX	V 01 11 37 34.4	18.9N	107.3W	15	6.8D		
ECX	V 01 11 37 35.3	18.92N	107.32W	33	7.1D		
NEIC	V 01 11 37 36.1	18.99N	107.35W	33	6.1b,6.8s		
BJI	V 01 11 37 37.1	19.04N	107.29W	45	7.0s		
MOS	V 01 11 37 37.6	19.2N	107.4W	33	6.5b,6.7s		
HRVD	V 01 11 37 40.6±.1	18.96N±.01	107.15W±.01	15			
NEIC	Me7.3(GS), Mw6.9(GS)						
NEIC	Mw 6.9 (HRV). Felt along the coast of Jalisco.						
NEIC	Radiated energy from the P−wave first−motion solution: 1.8±0.3×10^{15}Nm/16						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S19°,δ89°,λ−10°. NP2:ϕ_S109°,δ80°,λ−179°. Principal axes: T Plg6°,Azm65°; P Plg8°,Azm334°. Two events about 2 seconds apart. Depth from synthetics of broadband displacement seismograms, based on the larger second event.						
NEIC	Moment tensor solution: s28, scale 10^{19}Nm; M_{rr}0.07; $M_{\theta\theta}$−1.57; $M_{\phi\phi}$1.49; $M_{r\theta}$0.28; $M_{r\phi}$−0.60; $M_{\theta\phi}$−2.11. Depth 12km; Principal axes: T 2.73,Plg14°,Azm63°; N −0.09,Plg76°, Azm241°; P −2.64,Plg0°,Azm333°. Best double couple: $M_0$2.7×10^{19}Nm; NP1:ϕ_S107°,δ80°, λ170°. NP2:ϕ_S199°,δ80°,λ10°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c100; Mantle waves: s44,c109; Half duration: 7s0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.17±.01; $M_{\theta\theta}$−1.58±.01; $M_{\phi\phi}$1.75±.01; $M_{r\theta}$−0.16±.05; $M_{r\phi}$0.76±.05; $M_{\theta\phi}$−2.09±.01. Principal Axes: T 2.94,Plg14°,Azm245°; N −0.33,Plg75°,Azm45°; P −2.60,Plg5°,Azm154°. Best double couple: $M_0$2.8×10^{19}Nm, NP1:ϕ_S288°,δ77°,λ174°. NP2:ϕ_S20°,δ84°,λ13°.						

(385) Straits of Gibraltar

ISC	**V**	**01 13 59 33.7**±.44	**36.72N**±.038	**7.60W**±.033	**54**±3.9	**4.0b**	**122**	**0-145**	
RBA	V	01 13 59 33.1	36.45N	7.70W	30	3.9D			**¶97v0111**
EIDC	V	01 13 59 33.4	36.6N	7.4W	36	3.9b,4.0L			
NEIC	V	01 13 59 33.6	36.73N	7.59W	56				
MDD	V	01 13 59 33.8	36.55N	7.72W	40	4.3			
LIS	V	01 13 59 34	36.55N	7.75W	9	4.4L			
LDG	V	01 13 59 36.3	37.1N	7.8W		4.5L			
STR	V	01 13 59 48.2	38.58N	8.15W	2	5.0L			

NEIC M_D3.9(MDD)
MDD Felt I=III−IV MSK
LIS Felt I=IV MM Loule, Quarteria, Faro, III−IV Vilamoura, III Moncarapacho, Fuseta, II Sintra, Queluz, Cascais, San Bartolomeu de Messines, Castro Marim, Vila Real de Santo, Antonio, Porches, Conceicao de Tavira, Lagos, Pera, Luz de Tavira

(36) Northern California

ISC	**V**	**01 20 41 14.9**±.53	**39.59N**±.048	**122.06W**±.061	**19**		**15**	**0-4**	
NEIC	V	01 20 41 15.6	39.59N	122.05W	19				**¶97v0151**

NEIC M_D3.2(GM), M_L3.0(BRK). Felt, After GM−P.
NEIC Felt at Chico and Willows.

(122) Near coast of Northern Chile

ISC	**V**	**01 20 46 10**±2.0	**20.7S**±.12	**70.0W**±.15	**56**±17	**4.1b**	**24**	**4-157**	
NEIC	V	01 20 46 08.8	20.73S	69.97W	50	4.0b			**¶97v0153**
BJI	V	01 20 46 10.3	20.70S	69.90W	50				
EIDC	V	01 20 46 12.3	20.6S	70.2W	60	3.9b			

NEIC Less reliable solution.
NEIC Felt I=III MM at Guatacondo, Huara, Laonsana, Pica, Pozo Alamonte and Quillagua; II MM at Iquique.

(218) Near east coast of Kamchatka

ISC	**V**	**02 00 41 27**±1.2	**56.45N**±.064	**162.6E**±.10	**17**±10	**4.0b**	**39**	**0-146**	
KRSC	V	02 00 41 26.1	56.46N	162.58E	5	4.6b			**¶97v0181**
EIDC	V	02 00 41 26.2	56.5N	162.7E	0	4.0b,3.1s			
NEIC	V	02 00 41 29.5	56.50N	162.58E	33	3.9b			
MOS	V	02 00 41 30.0	56.4N	162.8E	33	4.2b			

NEIC Less reliable solution.
MOS Felt I=III MSK at Ust−Kamchatsk.

(366) Turkey

ISC	**V**	**02 08 45 12.6**±.33	**39.67N**±.029	**28.59E**±.037	**7**	**3.7b,**3.4s	**76**	**0-76**	
MOS	V	02 08 45 12.4	39.6N	28.6E	10	4.0b			**¶97v0236**
ISK	V	02 08 45 12.4	39.63N	28.52E	7	3.9D			
NEIC	V	02 08 45 12.8	39.64N	28.68E	10				
EIDC	V	02 08 45 13.0	39.6N	28.7E	0	3.7b,3.9L			
ATH	V	02 08 45 15.1	39.77N	28.70E	33	4.1D			
THE	V	02 08 45 20.9	39.8N	27.9E	10	4.2L			

NEIC Felt at Dursunbey.

(39) Central California

ISC	**V**	**02 12 31 05.4**±.74	**37.70N**±.048	**122.53W**±.073	**17**±7.7		**20**	**0-4**	
NEIC	V	02 12 31 05.6	37.71N	122.52W	5				**¶97v0264**

NEIC M_L3.2(BRK), M_D3.1(GM). Felt, After GM−P.
NEIC Felt in the San Francisco−Daly City−Pacifica area.

(244) Taiwan

TAP	**V**	**02 13 21 57.5**	**24.44N**	**121.75E**	**8**	**1.8L**			**¶97v0271**

TAP Felt I=III J

(383) Northwestern Balkan region

ISC	**V**	**02 13 32 19**±1.5	**45.4N**±.13	**14.73E**±.068	**14**		**16**	**0-3**	
ZAG	V	02 13 32 16	45.26N	14.62E	14				**¶97v0273**
LJU	V	02 13 32 16.4	45.3N	14.6E	7				
ROM	V	02 13 32 16.6	45.3N	14.6E	5	2.9D			

ZAG Felt in the Crikvenica region (after RIY)

(159) North Island, New Zealand

ISC	**V**	**02 16 44 54.0**±.35	**39.35S**±.036	**176.38E**±.065	**72**±4.0	**4.6b**	**66**	**0-152**	
EIDC	V	02 16 44 53.6	39.3S	176.3E	52	4.2b,3.9L			**¶97v0298**
NEIC	V	02 16 44 53.9	39.44S	176.43E	74	4.8b			
WEL	V	02 16 44 55.1	39.25S	176.36E	73	4.9L			

NEIC Poor solution.
WEL Felt I=IV MM Taupo, Ohakune and Napier

(244) Taiwan

ISC	**V**	**02 19 02 02**±1.2	**24.20N**±.056	**121.7E**±.14	**7**		**10**	**0-1**	
TAP	V	02 19 02 01.2	24.22N	121.80E	7	3.1L			**¶97v0315**

TAP Felt I=II J

(244) Taiwan

ISC	**V**	**02 19 04 26**±1.5	**24.19N**±.061	**121.8E**±.15	**5**		**10**	**0-1**	
TAP	V	02 19 04 25.7	24.22N	121.74E	5	3.1L			**¶97v0316**

TAP Felt I=III J

(244) Taiwan

ISC	**V**	**02 19 45 33**±1.1	**24.20N**±.044	**121.8E**±.11	**10**		**19**	**0-2**	
TAP	V	02 19 45 31.8	24.22N	121.75E	10	3.7L			**¶97v0321**

TAP Felt I=III J

(244) Taiwan

ISC	**V**	**02 21 30 24.0**±.78	**24.21N**±.040	**120.16E**±.051	**26**±7.6	**3.7b,**3.0s	**40**	**0-83**	
TAP	V	02 21 30 23.6	24.19N	120.18E	23	4.5L			**¶97v0332**
EIDC	V	02 21 30 26.3	23.6N	120.6E	0	3.6b,4.0L			
NEIC	V	02 21 30 27.6	23.71N	120.22E	33	3.7b			
BJI	V	02 21 30 28.6	24.63N	120.15E	10	4.2L			

TAP Felt I=III J Penghu, II Chiayi
NEIC Poor solution.

(243) Taiwan region

ISC	**V**	**03 02 46 14.9**±.52	**22.45N**±.021	**121.43E**±.034	**26**±3.8	**4.9b,4.8s**	**226**	**0-176**	
TAP	V	03 02 46 13.7	22.54N	121.40E	4	5.3L			**¶97v0361**
NEIC	V	03 02 46 15.3	22.39N	121.47E	33	5.1b,5.0s			
BJI	V	03 02 46 15.5	22.71N	121.14E	4	4.8L,4.8b			
MOS	V	03 02 46 15.8	22.4N	121.4E	33	5.3b,4.8s			
HRVD	V	03 02 46 17.0±.1	22.08N±.02	120.83E±.01	54±1.1				
EIDC	V	03 02 46 19.7	22.4N	121.5E	61	4.4b,4.1s			

TAP Felt I=III J Lanyu, Chengkung, Shoushan, Kaohsiung, Tainan, II Tawu, Hsinchu
NEIC Mw5.0(HRV).
BJI Ms4.7
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c11; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.42; $M_{\theta\theta}$1.52±.63; $M_{\phi\phi}$−3.65±.72; $M_{r\theta}$−0.63±.98; $M_{r\phi}$−0.61±1.26; $M_{\theta\phi}$−2.03±.58. Principal Axes: T 2.62,Plg45°,Azm192°; N 1.83,Plg44°,Azm26°; P −4.45,Plg7°,Azm289°. Best double couple: $M_0$3.5×10^{16}Nm, NP1: ϕ_S341°,δ54°,λ31°. NP2:ϕ_S232°,δ66°,λ140°.

(43) Southern California

ISC	**V**	**03 12 51 46.9**±.72	**34.33N**±.047	**118.73W**±.051	**19**±7.9		**31**	**0-7**	
NEIC	V	03 12 51 47.9	34.37N	118.67W	15				**¶97v0442**

NEIC M_L3.5(PAS). Felt, After PAS.
NEIC Felt in the San Fernando and Simi Valley areas.

(177) Kermadec Islands region

ISC	**V**	**03 16 45 56**±1.1	**31.64S**±.045	**179.34W**±.036	**48**±10	**6.6b,6.4s**	**827**	**3-175**	
WEL	V	03 16 46 01.8	32.55S	177.98W	135	7.1L			**¶97v0465**
BJI	V	03 16 46 01.9	31.54S	179.32W	107	6.7b			
NEIC	V	03 16 46 02.0	31.79S	179.38W	108	6.6b			
MOS	V	03 16 46 02.7	31.6S	179.3W	108	6.9b			
EIDC	V	03 16 46 05.4	31.7S	179.3W	124	5.8b,6.0s			
HRVD	V	03 16 46 09.8±.1	31.70S±.01	179.06W±.01	119±.3				

WEL Felt I=IV MM East Cape, Wellington and Chatham Island
NEIC Mw6.9(GS), Me6.7(GS).
NEIC Mw 6.9 (HRV).
NEIC Radiated energy from the P−wave first−motion solution: 2.2±0.3×10^{14}Nm/14
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S40°,δ65°,λ−75°. NP2:ϕ_S188°,δ29°,λ−119°. Principal axes: T Plg19°,Azm119°; P Plg67°,Azm337°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s36, scale 10^{19}Nm; M_{rr}−1.31; $M_{\theta\theta}$0.03; $M_{\phi\phi}$1.28; $M_{r\theta}$−1.39; $M_{r\phi}$−0.80; $M_{\theta\phi}$0.81. Depth 105km; Principal axes: T 2.23,Plg22°,Azm124°; N −0.03,Plg20°, Azm223°; P −2.20,Plg59°,Azm351°. Best double couple: $M_0$2.2×10^{19}Nm; NP1:ϕ_S181°,δ29°, λ−135°. NP2:ϕ_S50°,δ70°,λ−68°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c154; Mantle waves: s54,c146; Half duration: 7s0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.91±.01; $M_{\theta\theta}$−1.35±.01; $M_{\phi\phi}$2.26±.01; $M_{r\theta}$−1.57±.01; $M_{r\phi}$−1.12±.01; $M_{\theta\phi}$0.50±.01. Principal Axes: T 2.86,Plg22°,Azm105°; N −0.11,Plg40°,Azm214°; P −2.74,Plg42°,Azm354°. Best double couple: $M_0$2.8×10^{19}Nm, NP1:ϕ_S149°,δ42°,λ−161°. NP2:ϕ_S45°,δ77°,λ−49°.

(224) Hokkaido region

ISC	**V**	**03 21 08 18.4**±.40	**43.17N**±.029	**145.40E**±.063	**121**±4.1	**4.2b**	**108**	**0-150**	
NEIC	V	03 21 08 17.0	43.32N	145.18E	102	4.8b			**¶97v0499**
EIDC	V	03 21 08 18.6	43.3N	145.2E	101	3.9b			
MOS	V	03 21 08 19.8	43.3N	145.1E	128	4.7b			
SKHL	V	03 21 08 20.0	43.4N±.05	145.5E±.10	120±5				
JMA	V	03 21 08 20.1±.2	43.24N±.01	145.37E±.01	104±2	4.2			

SKHL K10 Felt I=I−II MSK at Yuzhno−Kurilsk

(95) Windward Islands

ISC	**V**	**03 22 39 16.6**±.22	**11.02N**±.027	**60.90W**±.032	**5**	**4.7b,4.2s**	**129**	**0-163**	
EIDC	V	03 22 39 16.3	11.1N	61.1W	0	4.4b,4.2s			**¶97v0506**
NEIC	V	03 22 39 16.6	11.00N	60.86W	5	4.9b			
MOS	V	03 22 39 17.0	11.1N	61.0W	10	4.8b			
TRN	V	03 22 39 18.1	11.1N	60.9W	5	4.5D			

NEIC Felt in northern Trinidad and on Tobago.

(95) Windward Islands

ISC	**V**	**03 22 41 45.7**±.81	**11.04N**±.062	**60.88W**±.093	**14**		**12**	**0-4**	
TRN	V	03 22 41 43.5	11.0N	60.9W	14	3.7D			**¶97v0507**

TRN Felt

(95) Windward Islands

ISC	**V**	**04 01 44 55.2**±.44	**11.08N**±.025	**61.26W**±.027	**42**±3.9	**5.2b,4.9s**	**399**	**0-163**	
NEIC	V	04 01 44 50.7	11.03N	60.98W	5	5.4b,4.9s			**¶97v0536**
MOS	V	04 01 44 51.9	11.1N	61.1W	10	5.5b,4.9s			
BJI	V	04 01 44 52.0	11.00N	61.00W	5	5.4s			
TRN	V	04 01 44 52.1	11.1N	60.9W	5	5.1D			
EIDC	V	04 01 44 53.2	11.1N	61.1W	15	5.0b,4.9L			
HRVD	V	04 01 44 55.9±.4	11.20N±.04	61.12W±.05	15				

NEIC Mw5.5(HRV)
TRN Felt strongly throughout Tobago I=VI MM. Slight damage to poorly constructed buildings. Also felt in most parts of Trinidad I=IV
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c37; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.64±.09; $M_{\theta\theta}$1.87±.08; $M_{\phi\phi}$−0.23±.14; $M_{r\theta}$−0.26±.35; $M_{r\phi}$1.09±.34; $M_{\theta\phi}$−0.44±.07. Principal Axes: T 2.02,Plg8°,Azm195°; N 0.21, Plg27°,Azm289°; P −2.23,Plg61°,Azm90°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S257°,δ44°,λ−131°. NP2:ϕ_S127°,δ59°,λ−58°.

(508) Western Florida

ISC	**V**	**04 03 39 10**±4.1	**30.8N**±.33	**87.5W**±.14	**5**		**10**	**4-6**	
NEIC	V	04 03 39 12.9	31.00N	87.40W	5				**¶97v0555**

NEIC mbLg3.1(GS). Felt, After MACR.
NEIC Felt at Brewton and Flomaton.

(244) Taiwan

ISC	**V**	**04 08 34 51**±1.6	**24.39N**±.070	**121.8E**±.18	**9**		**6**	**0-1**	
TAP	V	04 08 34 51.6	24.43N	121.80E	9	2.7L			**¶97v0598**

TAP Felt III J

(135) Near coast of Central Chile

ISC	**V**	**04 17 11 10**±2.0	**33.81S**±.075	**71.3W**±.15	**49**±24		**14**	**0-3**	
GUC	V	04 17 11 08.9	33.81S	71.31W	54	4.4D			**¶97v0667**
NEIC	V	04 17 11 09.4	33.81S	71.32W	50				

NEIC Felt I=III MM at Santiago.

(244) Taiwan

ISC	**V**	**05 13 24 15**±1.1	**24.43N**±.048	**121.8E**±.15	**5**±12		**12**	**0-2**	
TAP	V	05 13 24 14.4	24.45N	121.79E	8	3.0L			**¶97v0788**

TAP Felt I=IV J

(2) Southern Alaska

ISC	**V**	**06 01 31 22.4**±.17	**61.63N**±.017	**149.78W**±.035	**54**±2.0	**4.8b,4.0s**	**286**	**0-151**	
BJI	V	06 01 31 18.6	61.53N	149.46W	43	5.0b			**¶97v0877**
MOS	V	06 01 31 20.2	61.6N	149.9W	33	5.2b			
EIDC	V	06 01 31 23.2	61.6N	149.9W	51	4.4b,3.5s			
NEIC	V	06 01 31 23.7	61.56N	149.72W	31	4.9b			
HRVD	V	06 01 31 28.7±1.0	61.49N±.13	149.71W±.37	15				

NEIC Mw5.3(HRV), M_L4.9(AEIC). Felt I=V MM, After AEIC.
NEIC ML 4.9 (PMR). Felt I=V MM at Big Lake; IV MM at Anchorage, Butte, Palmer, and Wasilla; III MM at Cordova.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s7,c8; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−3.21±.50; $M_{\theta\theta}$3.13±.74; $M_{\phi\phi}$0.07±.62; $M_{r\theta}$9.05±2.68; $M_{r\phi}$−2.30±2.71; $M_{\theta\phi}$−0.02±.83. Principal Axes: T 9.74,Plg36°,Azm10°; N 0.23,Plg4°,Azm103°; P −9.97,Plg54°,Azm198°. Best double couple: $M_0$9.9×10^{16}Nm, NP1: ϕ_S80°,δ10°,λ−113°. NP2:ϕ_S283°,δ81°,λ−86°.

(244) Taiwan

ISC	**V**	**06 05 14 54**±1.4	**24.12N**±.059	**121.9E**±.14	**24**±8.3		**18**	**0-83**	
TAP	V	06 05 14 55.0	24.19N	121.75E	16	3.9L			**¶97v0908**
BJI	V	06 05 14 56.0	24.30N	121.75E	33	3.2L			

TAP Felt I=III J I Hwalien, Suao

(243) Taiwan region

ISC	**V**	**06 05 25 06**±13	**24.3N**±.10	**122.2E**±.97	**3**±43		**7**	**0-1**	
TAP	V	06 05 25 06.1	24.36N	122.10E	9	3.0L			**¶97v0913**

TAP Felt I=II J

(244) Taiwan

ISC	**V**	**06 10 42 39.1**±.88	**22.72N**±.065	**120.87E**±.083	**12**±11		**7**	**0-1**	
TAP	V	06 10 42 38.3	22.69N	120.87E	7	2.7L			**¶97v0951**

TAP Felt I=II J

(221) Kuril Islands

ISC	**V**	**06 11 14 42**±40	**49N**±2.9	**157.0E**±.65	**20**		**6**	**1-4**	
KRSC	V	06 11 14 46.8	50.16N	156.93E	20	3.8b			**¶97v0953**
SKHL	V	06 11 14 47.0	50.1N±.10	156.3E±.10	75±1				

SKHL K10.5 Felt I=I−II MSK at Severo−Kurilsk

(244) Taiwan

TAP	**V**	**06 16 48 10.8**	**24.44N**	**121.78E**	**5**	**2.0L**			**¶97v0986**

TAP Felt I=III J

(39) Central California

ISC	**V**	**06 19 12 53.2**±.57	**35.43N**±.024	**118.43W**±.031	**11**±4.7	3.5b,3.7s	**69**	**0-27**	
EIDC	V	06 19 12 48.4	35.1N	119.0W	0	4.0L,3.6b			**¶97v0997**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ECX	V	06 19 12 53.1	35.44N	118.42W	10	4.4D		
NEIC	V	06 19 12 53.7	35.45N	118.43W	6	4.3b		
NEIC	M_L4.5(PAS). Felt, After PAS.							
NEIC	Felt in the Lake Isabella area.							
	(244) Taiwan							
ISC	**V**	**06 19 34 36**±1.7	**24.45N**±.085	**121.8E**±.28	**8**		**4**	**0-1**
TAP	V	06 19 34 34.6	24.45N	121.80E	8	2.4L		**¶97v1000**
ISC	Poorly determined							
TAP	Felt I=III J							
	(244) Taiwan							
ISC	**V**	**06 21 47 56**±1.6	**23.17N**±.050	**121.47E**±.099	**14**±12		**13**	**0-2**
TAP	V	06 21 47 56.2	23.21N	121.39E	18	3.6L		**¶97v1014**
TAP	Felt I=II J Chengkung							
	(244) Taiwan							
ISC	**V**	**07 10 28 27**±3.9	**24.44N**±.069	**122.0E**±.47	**25**±18		**11**	**0-1**
TAP	V	07 10 28 27.0	24.46N	121.86E	19	3.5L		**¶97v1083**
TAP	Felt I=III J, II Suao							
	(127) Chile-Argentina border region							
ISC	**V**	**07 18 44 29.5**±.51	**33.44S**±.066	**69.9W**±.10	**106**±4.8	**4.1b**	**47**	**0-165**
NEIC	V	07 18 44 28.9	33.44S	69.83W	100	4.2b		**¶97v1134**
EIDC	V	07 18 44 31.2	33.4S	69.9W	114	3.9b		
GUC	V	07 18 44 32.3	33.42S	70.30W	99	4.2D		
NEIC	Felt I=II MM at Santiago and Vina del Mar, Chile.							
	(315) India-Bangladesh border region							
ISC	**V**	**08 02 53 14.5**±.13	**24.89N**±.028	**92.28E**±.022	**34**±.7*	**5.5b,5.6s**	**586**	**5-164**
EIDC	V	08 02 53 11.0	24.8N	92.2E	0	5.3b,5.2s		**¶97v1171**
MOS	V	08 02 53 13.4	24.8N	92.3E	25	6.1b,5.6s		
BJI	V	08 02 53 13.9	25.08N	92.33E	23	6.0L,5.7b		
NEIC	V	08 02 53 14.7	24.89N	92.25E	35	5.6b,5.6s		
HRVD	V	08 02 53 19.3±.2	24.51N±.02	92.36E±.03	35			
BJI	Ms5.9							
NEIC	Mw6.0(GS), Me6.0(GS)							
NEIC	Radiated energy from the Harvard centroid solution: $2.6\pm0.8\times10^{13}$Nm/10							
NEIC	Mw 5.9 (HRV). Several people injured and some damage to older buildings at Sylhet, Bangladesh. Felt in much of Bangladesh. Also felt in parts of Assam, Meghalaya and Tripura, India.							
NEIC	Moment tensor solution: s16, scale 10^{18}Nm; M_{rr}0.12; $M_{\theta\theta}$−0.70; $M_{\phi\phi}$0.58; $M_{r\theta}$0.07; $M_{r\phi}$−0.21; $M_{\theta\phi}$1.05. Depth 28km; Principal axes: T 1.19,Plg8°,Azm119°; N 0.12,Plg79°, Azm337°; P −1.31,Plg7°,Azm210°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S254°,δ80°, λ1°. NP2:ϕ_S164°,δ89°,λ170°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c75; Half duration: 2^{S}3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.12; $M_{\theta\theta}$−3.71±.18; $M_{\phi\phi}$2.90±.20; $M_{r\theta}$−0.45±.31; $M_{r\phi}$3.09±.34; $M_{\theta\phi}$7.24±.13. Principal Axes: T 8.32,Plg18°,Azm300°; N 0.50, Plg68°,Azm158°; P −8.82,Plg12°,Azm35°. Best double couple: $M_0$8.6×10^{17}Nm, NP1:ϕ_S78°, δ68°,λ4°. NP2:ϕ_S347°,δ86°,λ158°.							
	(662) Sakhalin							
SKHL	**V**	**08 10 39 09.1**	**52.54N**±.02	**142.82E**±.06	**10**			**¶97v1226**
SKHL	K8.1. Felt I=II−III MSK at Sabo							
	(244) Taiwan							
ISC	**V**	**08 14 20 10.5**±.73	**24.61N**±.047	**121.21E**±.091	**8**		**11**	**0-2**
TAP	V	08 14 20 09.9	24.59N	121.21E	8	3.4L		**¶97v1259**
TAP	Felt I=II J							
	(59) Guerrero, Mexico							
ISC	**V**	**08 15 58 30.0**±.76	**17.46N**±.054	**100.25W**±.048	**63**±6.0	**4.8b**	**149**	**0-149**
NEIC	V	08 15 58 27.0	17.45N	100.13W	38	5.0b,4.3s		**¶97v1272**
MOS	V	08 15 58 27.8	17.6N	100.0W	33	5.2b,4.1s		
EIDC	V	08 15 58 27.9	17.4N	100.2W	31	4.3b,3.9s		
MEX	V	08 15 58 29.8	17.3N	100.4W	12	4.8D		
NEIC	Felt at Mexico City.							
	(244) Taiwan							
ISC	**V**	**08 18 18 32**±1.6	**23.11N**±.050	**121.5E**±.11	**9**±10		**15**	**0-2**
TAP	V	08 18 18 31.8	23.12N	121.45E	13	3.7L		**¶97v1292**
TAP	Felt I=IV J Chengkung							
	(662) Sakhalin							
SKHL	**V**	**09 00 37 09.1**	**52.98N**±.04	**142.85E**±.13	**10**			**¶97v1333**
SKHL	K9.0. Felt I=III−IV MSK at Sabo, I=III at Tungor, I=II at Okha							
	(244) Taiwan							
ISC	**V**	**09 00 58 55**±5.2	**23.1N**±.12	**121.5E**±.41	**13**±21		**5**	**0-1**
TAP	V	09 00 58 55.2	23.13N	121.45E	13	3.0L		**¶97v1337**
ISC	Poorly determined							
TAP	Felt I=II J Chengkung							
	(216) Marianas							
ISC	**V**	**09 09 06 39.8**±.57	**13.14N**±.021	**144.75E**±.030	**49**±5.2	**5.6b,5.7s**	**369**	**0-175**
BJI	V	09 09 06 37.0	13.20N	144.86E	29	5.3b,5.8s		**¶97v1398**
NEIC	V	09 09 06 37.2	13.20N	144.70E	29	5.9b,5.8s		
EIDC	V	09 09 06 37.4	13.2N	144.8E	20	5.1b,5.3s		
MOS	V	09 09 06 37.8	13.1N	144.7E	33	5.9b,5.7s		
HRVD	V	09 09 06 41.4±.1	13.05N±.02	144.93E±.01	31			
NEIC	Me6.1(GS), Mw6.0(GS)							
NEIC	Radiated energy from the P−wave first−motion solution: $3.2\pm1.0\times10^{13}$Nm/8							
NEIC	Mw 6.0 (HRV). Felt I=VII MM at Inarajan and Merizo; V MM at Potts Junction, Guam. Felt throughout Guam.							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ60°,λ135°. NP2:ϕ_S337°,δ52°,λ39°. Principal axes: T Plg52°,Azm184°; P Plg5°,Azm280°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s32, scale 10^{17}Nm; M_{rr}5.40; $M_{\theta\theta}$4.20; $M_{\phi\phi}$−9.60; $M_{r\theta}$−5.50; $M_{r\phi}$−3.30; $M_{\theta\phi}$−2.60. Depth 32km; Principal axes: T 10.3,Plg49°,Azm177°; N 0.9,Plg37°, Azm27°; P −11.2,Plg16°,Azm285°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S336°,δ44°, λ30°. NP2:ϕ_S223°,δ70°,λ130°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c88; Mantle waves: s40,c60; Half duration: 2^{S}5. Moment tensor: Scale 10^{18}Nm; M_{rr}0.60±.01; $M_{\theta\theta}$0.45±.01; $M_{\phi\phi}$−1.04±.01; $M_{r\theta}$−0.63±.02; $M_{r\phi}$−0.32±.02; $M_{\theta\phi}$0.51±.01. Principal Axes: T 1.29,Plg45°,Azm160°; N −0.09,Plg45°,Azm349°; P −1.21,Plg4°,Azm255°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S308°,δ56°,λ32°. NP2:ϕ_S198°,δ64°,λ142°.							
	(369) Dodecanese Islands							
ISC	**V**	**09 18 41 00**±1.2	**35.37N**±.022	**27.33E**±.022	**12**±8.0	**4.5b,4.4s**	**279**	**1-116**
MOS	V	09 18 40 59.0	35.4N	27.3E	10	5.3b,4.2s		**¶97v1466**
BJI	V	09 18 40 59.9	35.40N	27.30E	20	4.9b		
NEIC	V	09 18 40 59.9	35.38N	27.28E	20	4.5b,4.1s		
THE	V	09 18 41 01.3	35.5N	27.4E	10	4.2L		
ATH	V	09 18 41 02.2	35.43N	27.46E	34	4.7L		
EIDC	V	09 18 41 05.1	35.3N	27.4E	42	4.2b,4.2L		
JSO	V	09 18 41 05.2	35.32N	27.44E	10	6.8L		
RYD	V	09 18 41 50.0	37.3N	25.6E	33	3.9D		
NEIC	M_D4.6(ISK)							
NEIC	Felt in the epicentral area.							
	(244) Taiwan							
ISC	**V**	**09 20 21 31**±1.4	**24.03N**±.051	**121.7E**±.11	**1**±11		**14**	**0-2**
TAP	V	09 20 21 31.1	24.07N	121.66E	8	3.3L		**¶97v1484**
TAP	Felt I=II J Chiawan							
	(225) Off coast of Hokkaido							
ISC	**V**	**10 04 39 30.5**±.50	**42.72N**±.026	**146.55E**±.047	**33**±4.5	**4.8b,4.3s**	**228**	**1-152**
EIDC	V	10 04 39 27.6	42.9N	146.4E	0	4.5b,4.3L		**¶97v1522**
SKHL	V	10 04 39 30.0	42.7N±.10	146.4E±.10	35±1			
BJI	V	10 04 39 30.5	43.06N	146.23E	22	4.7b,4.3s		
MOS	V	10 04 39 30.6	42.8N	146.4E	33	4.9b,4.6s		
NEIC	V	10 04 39 30.9	42.90N	146.39E	33	4.9b,4.2s		
JMA	V	10 04 39 31.3±.4	42.81N±.02	146.52E±.03	44	4.5		
SKHL	K10.5. Felt I=I−II MSK at Yuzhno−Kurilsk							
	(348) Iran							
ISC	**V**	**10 07 57 30**±1.6	**33.88N**±.026	**59.82E**±.018	**7**±10	**6.2b,7.0s**	**725**	**4-143**
CSEM	V	10 07 57 27.6	33.78N	59.90E	15			**¶97v1549**
EIDC	V	10 07 57 29.1	33.7N	59.7E	0	5.4b,6.9s		
NEIC	V	10 07 57 29.7	33.83N	59.81E	10	6.4b,7.3s		
BJI	V	10 07 57 29.8	33.86N	59.83E	14	6.1b,7.5s		
MOS	V	10 07 57 30.2	34.0N	59.8E	10	7.0b,7.0s		
RYD	V	10 07 57 31.7	34.3N	59.46E	45			
HRVD	V	10 07 57 49.8±.1	33.58N±.01	60.02E±.01	15			
CSEM	Mw6.8. M_0=1.9×10^{19}Nm. Fault plane solution NP1:ϕ_S260°,δ76°,λ12°. NP2:ϕ_S167°,δ78°, λ166°. Principal Axes: T Plg18°,Azm123°; N Plg72°,Azm309°; P Plg2°,Azm214°.							
NEIC	Me7.7(GS), Mw7.3(GS)							
NEIC	Radiated energy from the P−wave first−motion solution: 8.9±1.4×10^{15}Nm/19							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S80°,δ90°,λ3°. NP2:ϕ_S350°,δ87°,λ180°. Principal axes: T Plg2°,Azm305°; P Plg2°,Azm215°.							
NEIC	Moment tensor solution: s24, scale 10^{19}Nm; M_{rr}−0.48; $M_{\theta\theta}$−7.40; $M_{\phi\phi}$7.87; $M_{r\theta}$0.22; $M_{r\phi}$−0.63; $M_{\theta\phi}$5.60. Depth 36km; Principal axes: T 9.74,Plg3°,Azm108°; N −0.48,Plg86°, Azm330°; P −9.25,Plg3°,Azm198°. Best double couple: $M_0$9.5×10^{19}Nm; NP1:ϕ_S243°,δ86°, λ0°. NP2:ϕ_S153°,δ90°,λ176°.							
NEIC	Mw 7.2 (HRV). Ms 7.2 (BRK). At least 1,567 people killed, 2,300 injured, 50,000 homeless, 10,533 houses destroyed, 5,474 houses damaged and landslides in the Birjand-Qayen area. Five people killed and some damage in the Herat area, Afghanistan. Felt in Kerman, Khorasan, Semnan, Sistan va Baluchestan and Yazd Provinces, Iran. This earthquake appears to have occurred on a southern splay of the Ferdows fault. The left-lateral, strike-slip Ferdows fault was the site of the 1968 Dasht-e-Bayaz earthquake (magnitude 7.3) which resulted in 12,000−20,000 casualties. The Ferdows fault is north of the Zagros Mountains (the latter being the northern boundary of the Arabian plate). Understanding the tectonics of the Ferdows region is complicated by indistinct boundaries of the several microplates at that collision zone.							
MOS	Felt I=III MSK at Ashkhabad.							
MOS	M_0=8.4×10^{18}Nm. Fault plane solution. NP1:ϕ_S162°,δ35°,λ30°. NP2:ϕ_S47°,δ73°,λ121°. Principal axes: T Plg10°,Azm296°; N Plg78°,Azm90°; P Plg5°,Azm205°							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c106; Mantle waves: s50,c127; Half duration: 1^{S}0. Moment tensor: Scale 10^{19}Nm; M_{rr}0.33±.03; $M_{\theta\theta}$−5.27±.03; $M_{\phi\phi}$4.94±.03; $M_{r\theta}$0.46±.14; $M_{r\phi}$−0.80±.13; $M_{\theta\phi}$5.20±.02. Principal Axes: T 7.17,Plg5°,Azm113°; N 0.36,Plg83°,Azm341°; P −7.52,Plg5°,Azm203°. Best double couple: $M_0$7.3×10^{19}Nm, NP1:ϕ_S248°,δ83°,λ0°. NP2:ϕ_S338°,δ90°,λ−173°.							
	(122) Near coast of Northern Chile							
ISC	**V**	**10 08 58 22**±2.5	**20.4S**±.11	**70.4W**±.16	**74**±24	**3.5b**	**16**	**4-133**
NEIC	V	10 08 58 21.0	20.34S	70.44W	68			**¶97v1561**
EIDC	V	10 08 58 22.7	20.3S	70.5W	70	3.3b,4.0L		
NEIC	Less reliable solution.							
NEIC	Felt I=III MM at Guatacondo, Huara, Iquique, Pica, Pozo Almonte and Tarapaca.							
	(662) Sakhalin							
SKHL	**V**	**10 12 41 56.0**	**52.85N**±.02	**142.82E**±.08	**10**±1			**¶97v1601**
SKHL	K7.8. Felt I=III MSK at Sabo							
	(662) Sakhalin							
SKHL	**V**	**10 14 03 48.1**	**53.02N**	**142.94E**	**10**			**¶97v1612**
SKHL	K8.0. Felt I=II−III MSK at Sabo							
	(243) Taiwan region							
ISC	**V**	**10 17 44 14**±1.0	**22.02N**±.047	**121.38E**±.076	**15**±9.8		**19**	**0-4**
TAP	V	10 17 44 13.1	22.04N	121.36E	7	3.8L		**¶97v1636**
TAP	Felt I=II J Lanyu							
	(546) Austria							
ISC	**V**	**10 17 48 58.6**±.54	**46.45N**±.046	**13.63E**±.064	**1**±9.5		**19**	**0-5**
ROM	V	10 17 48 58.4	46.5N	13.7E	9	2.6D		**¶97v1637**
LJU	V	10 17 48 59.2	46.5N	13.7E	7			
NEIC	V	10 17 49 00.9	46.44N	13.77E	10			
LJU	Felt I=III EMS at Ratece, Kranjska Gora, Podkoren and Soca, Slovenia							
NEIC	$M_{L2.5}$(VIE), $M_{L2.0}$(LJU)							
	(36) Northern California							
ISC	**V**	**10 19 00 30.9**±.90	**40.24N**±.087	**122.1W**±.13	**37**		**8**	**0-3**
NEIC	V	10 19 00 31.0	40.16N	122.28W	37			**¶97v1647**
NEIC	M_D3.1(GM). Felt, After GM−P.							
NEIC	Felt in the Red Bluff area.							
	(546) Austria							
ISC	**V**	**10 19 29 14.8**±.41	**48.10N**±.040	**16.70E**±.050	**10**		**37**	**0-6**
NEIC	V	10 19 29 15.3	48.11N	16.63E	10			**¶97v1652**
SZGRF	V	10 19 29 17.2	48.2N	16.6E	10	3.5L		
NEIC	$M_{L3.2}$(VIE)							
NEIC	ML 2.9 (FUR). Felt I=V MM at Fischamend Markt.							
	(244) Taiwan							
ISC	**V**	**10 22 37 32**±2.0	**24.3N**±.10	**121.7E**±.24	**23**		**4**	**0-1**
TAP	V	10 22 37 31.3	24.31N	121.69E	23	2.6L		**¶97v1677**
ISC	Poorly determined							
TAP	Felt I=II J							
	(43) Southern California							
ISC	**V**	**11 00 16 28.0**±.53	**33.95N**±.039	**116.69W**±.037	**21**±7.0	3.6b	**41**	**0-36**
EIDC	V	11 00 16 26.9	33.8N	116.9W	16	3.4L,3.5b		**¶97v1690**
ECX	V	11 00 16 27.0	33.97N	116.69W	10	3.7D		
NEIC	V	11 00 16 28.6	33.97N	116.67W	17			
NEIC	M_L3.8(PAS). Felt, After PAS.							
NEIC	Felt in the Palm Springs and Desert Hot Springs areas.							
	(377) Spain							
ISC	**V**	**11 13 13 02**±1.7	**42.80N**±.084	**7.2W**±.20	**9**		**4**	**0-1**
MDD	V	11 13 13 02.0	42.81N	7.22W	9	3.0		**¶97v1781**
ISC	Poorly determined							
MDD	Felt I=III MSK							
	(377) Spain							
ISC	**V**	**11 13 13 28**±1.7	**42.82N**±.084	**7.2W**±.20	**6**		**4**	**0-1**
MDD	V	11 13 13 29.3	42.81N	7.25W	6	3.0		**¶97v1782**
ISC	Poorly determined							
MDD	Felt I=III MSK							
NEIC	Felt I=III MSK (after EZAM)							
	(103) Colombia							
ISC	**V**	**11 13 20 53.8**±.87	**5.52N**±.058	**72.68W**±.058	**69**±9.2	**4.3b**	**89**	**1-155**
NEIC	V	11 13 20 53.9	5.52N	72.70W	71	4.6b		**¶97v1783**
EIDC	V	11 13 20 56.9	5.5N	72.8W	82	3.9b,4.0s		
BOG	Felt at Bucaramanga, Boyaca region							

(2) Southern Alaska

ISC	**V**	**11 17 18 15.9**±.21	**61.56N**±.023	**149.93W**±.046	**61**±4.8	**3.6b**	**93**	**0-44**	
EIDC	V	11 17 18 14.0	61.4N	150.4W	35	3.6b,3.9L			**¶97v1815**
NEIC	V	11 17 18 17.2	61.58N	149.94W	48	3.7b			

NEIC M_L3.9(AEIC), M_L3.9(PMR). Felt I=IV MM, After AEIC.
NEIC Felt I=IV MM at Big Lake, Kashwitna and Willow; III MM at Anchorage, Eagle River, Palmer and Wasilla.

(99) Northern Colombia

ISC	**V**	**11 18 16 59.7**±.50	**6.73N**±.043	**72.93W**±.038	**171**±5.4	**4.7b**	**149**	**0-154**	
BJI	V	11 18 16 59.7	6.70N	72.90W	170				**¶97v1823**
NEIC	V	11 18 16 59.7	6.74N	72.96W	170	4.8b			
MOS	V	11 18 17 00.3	6.7N	73.0W	170	5.2b			
EIDC	V	11 18 17 00.5	6.8N	73.0W	162	4.2b,3.8s			

NEIC Felt in northern and central Colombia.

(228) Near east coast of Honshū

ISC	**V**	**11 22 59 40.3**±.26	**37.12N**±.019	**141.01E**±.027	**64**±2.3	**5.5b**	**664**	**0-163**	
BJI	V	11 22 59 36.7	37.00N	141.13E	48	5.6b,5.1s			**¶97v1857**
MOS	V	11 22 59 37.6	37.3N	140.9E	34	6.1b			
JMA	V	11 22 59 38.2±.1	37.06N±.01	141.25E±.02	54±3	5.5			
NEIC	V	11 22 59 38.2	37.09N	140.91E	49	5.5b,5.3s			
EIDC	V	11 22 59 40.4	37.1N	141.0E	56	4.9b			
HRVD	V	11 22 59 42.9±.8	37.09N	140.91E	58±8.7				

JMA Felt I= IV J1
NEIC Mw5.9(HRV)
NEIC Felt I=IV J at Koriyama, III J at Sendai and II J at Morioka and Tokyo.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c14; Half duration: 2^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}3.09±.44; $M_{\theta\theta}$3.28±1.11; $M_{\phi\phi}$−6.36±1.10; $M_{r\theta}$4.00±.85; $M_{r\phi}$3.85±.78; $M_{\theta\phi}$−5.33±.78. Principal Axes: T 7.3,Plg38°,Azm9°; N 3.4, Plg45°,Azm229°; P −10.7,Plg21°,Azm117°. Best double couple: $M_0$9.0×10^{17}Nm, NP1: ϕ_S160°,δ47°,λ15°. NP2:ϕ_S60°,δ79°,λ136°.

(159) North Island, New Zealand

ISC	**V**	**12 10 14 22.2**±.45	**38.80S**±.038	**175.97E**±.046	**5**		**21**	**0-4**	
WEL	V	12 10 14 22.3	38.80S	175.94E	5	4.0L			**¶97v1937**

WEL Felt I=IV MM Waihora Rd and Taupo,

(381) Central Italy

ISC	**V**	**12 13 50 14.4**±.68	**42.77N**±.016	**12.50E**±.016	**2**±5.0	**4.5b,4.5s**	**316**	**0-128**	
BJI	V	12 13 50 13.8	42.75N	12.64E	4	4.9b			**¶97v1970**
ROM	V	12 13 50 14.6	42.8N	12.7E	5	4.6D			
NEIC	V	12 13 50 14.8	42.77N	12.48E	5	4.4b			
MOS	V	12 13 50 15.0	42.8N	12.5E	10	5.0b,4.4s			
EIDC	V	12 13 50 15.6	42.7N	12.6E	0	4.4b,4.3L			
LDG	V	12 13 50 18.8	42.7N	12.4E		4.3L			
STR	V	12 13 50 21.4	42.98N	12.15E	11	4.9L			
PDG	V	12 13 50 48.6	42.4N	13.0E	66	4.7L,4.7D			

NEIC $M_{L4.4}$(VIE)
NEIC ML 4.1 (ROM), 4.0 (LJU). Some damage to buildings at Massa Martana. Felt throughout the Umbria region and in the northern part of the Lazio region.

(535) Southern Norway

ISC	**V**	**12 22 45 51**±13	**59.0N**±.68	**6.4E**±.48	**8**±41		**5**	**0-3**	
BER	V	12 22 45 53.0	59.0N	6.4E	1				**¶97v2062**

ISC Poorly determined
BER Earthquake close to water dam construction area, Kvernafjellet, south of Lysefjorden, felt by people close to the site

(135) Near coast of Central Chile

ISC	**V**	**12 22 50 10**±1.4	**33.03S**±.082	**71.6W**±.11	**20**		**15**	**0-2**	
GUC	V	12 22 50 10.1	33.04S	71.60W	26	3.8D			**¶97v2064**
NEIC	V	12 22 50 10.2	33.04S	71.58W	20				

NEIC Single network solution.
NEIC Felt I=II MM at Concon, Quilpue, Valparaiso and Vina del Mar. Also felt at Quintero and Villa Alemana.

(244) Taiwan

ISC	**V**	**12 23 18 05.1**±.56	**23.98N**±.038	**121.75E**±.086	**49**±5.8	**3.9b**	**34**	**0-84**	
TAP	V	12 23 18 05.4	23.98N	121.69E	36	4.5L			**¶97v2070**
BJI	V	12 23 18 11.9	24.57N	121.06E	13	3.5L			
EIDC	V	12 23 18 14.6	23.9N	121.7E	125	3.5b			

TAP Felt I=III J, II Hwalien, Chiawan, I Tachien, Suao

(383) Northwestern Balkan region

ISC	**V**	**12 23 18 56**±1.1	**45.93N**±.053	**16.12E**±.097	**7**±7.3		**21**	**0-6**	
NEIC	V	12 23 18 55.8	45.91N	16.15E	10				**¶97v2071**

NEIC M_L2.6(VIE). Less reliable solution.
ZAG Felt in Kasina region

(244) Taiwan

TAP	**V**	**13 03 51 36.7**	**24.45N**	**121.74E**	**8**	**2.1L**			**¶97v2120**

TAP Felt I=III J

(235) Kyūshū

ISC	**V**	**13 05 38 27.2**±.58	**31.96N**±.019	**130.30E**±.018	**7**±3.6	**5.5b,6.0s**	**575**	**0-173**	
JMA	V	13 05 38 27.5±.1	31.94N±.00	130.30E±.01	9±3	6.3			**¶97v2137**
BJI	V	13 05 38 29.3	31.94N	130.25E	29	5.8L,5.6b			
MOS	V	13 05 38 30.2	31.9N	130.3E	33	6.1b,6.3s			
NEIC	V	13 05 38 30.2	31.82N	130.28E	33	5.6b,5.8s			
EIDC	V	13 05 38 31.0	31.9N	130.3E	30	4.8b,5.5s			
HRVD	V	13 05 38 32.1±.1	32.00N±.01	130.26E±.01	16±.9				

JMA Felt I= VI J1
BJI Ms6.5
NEIC Mw6.1(GS), Ms5.5(BRK). Casualties, landslide/avalanche observed.
NEIC Mw 6.1 (HRV). Thirty-four people injured and five houses damaged I=VI J in the Sendai area. Felt as far as Fukuoka. Landslides occurred in Kagoshima Prefecture.
NEIC Moment tensor solution: s27, scale 10^{18}Nm; M_{rr}0.10; $M_{\theta\theta}$0.79; $M_{\phi\phi}$−0.89; $M_{r\theta}$−0.04; $M_{r\phi}$0.03; $M_{\theta\phi}$1.11. Depth 14km; Principal axes: T 1.35,Plg1°,Azm154°; N 0.10,Plg88°, Azm271°; P −1.45,Plg2°,Azm64°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S199°,δ88°, λ−179°. NP2:ϕ_S109°,δ89°,λ−2°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c87; Mantle waves: s39,c63; Half duration: 2^{s}5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.13±.01; $M_{\theta\theta}$0.60±.01; $M_{\phi\phi}$−0.47±.01; $M_{r\theta}$0.24±.04; $M_{r\phi}$−0.43±.05; $M_{\theta\phi}$1.21±.01. Principal Axes: T 1.39,Plg1°,Azm147°; N 0.05,Plg69°,Azm53°; P −1.44,Plg20°,Azm237°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S280°,δ75°,λ−14°. NP2:ϕ_S14°,δ77°,λ−164°.

(159) North Island, New Zealand

ISC	**V**	**13 11 18 44.9**±.59	**38.14S**±.058	**177.33E**±.070	**49**		**25**	**0-7**	
WEL	V	13 11 18 45.4	38.14S	177.33E	49	4.6L			**¶97v2234**

WEL Felt Ohope.

(348) Iran

ISC	**V**	**13 11 42 25**±1.3	**33.46N**±.073	**59.89E**±.044	**37**±12	**4.3b,3.9s**	**92**	**5-90**	
NEIC	V	13 11 42 21.4	33.47N	59.89E	10	4.5b,4.0s			**¶97v2239**
MOS	V	13 11 42 21.8	33.4N	59.8E	10	4.9b,4.2s			
BJI	V	13 11 42 22.8	33.40N	59.80E	10	4.7b,4.4s			
EIDC	V	13 11 42 25.6	33.5N	59.9E	25	4.1b,3.6s			

NEIC One person killed and ten houses destroyed at Khunik Sar. Also felt at Birjand and Qaen.

(717) Afghanistan-USSR border region

ISC	**V**	**13 14 13 46.3**±.39	**36.48N**±.022	**71.00E**±.018	**198**±4.0	**5.9b**	**809**	**3-150**	
NEIC	V	13 14 13 45.7	36.41N	70.95E	196	6.1b			**¶97v2268**
MOS	V	13 14 13 46.4	36.5N	71.0E	197	6.4b			
BJI	V	13 14 13 46.5	36.62N	70.96E	202	5.9b			
EIDC	V	13 14 13 47.8	36.4N	71.0E	203	5.8b			
HRVD	V	13 14 13 48.8±.1	36.51N±.01	70.68E±.01	189±.4				
RYD	V	13 14 13 52.2	36.3N	71.2E	134				

NEIC Mw6.5(GS), Me6.3(GS)
NEIC Radiated energy from the P−wave first−motion solution: 6.7±1.6×10^{13}Nm/19
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ60°,λ70°. NP2:ϕ_S291°,δ36°,λ121°. Principal axes: T Plg68°,Azm304°; P Plg13°,Azm179°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s37, scale 10^{18}Nm; M_{rr}4.99; $M_{\theta\theta}$−4.36; $M_{\phi\phi}$−0.63; $M_{r\theta}$1.69; $M_{r\phi}$2.53; $M_{\theta\phi}$−1.93. Depth 189km; Principal axes: T 6.05,Plg70°,Azm285°; N −0.24,Plg14°, Azm60°; P −5.81,Plg14°,Azm153°. Best double couple: $M_0$5.9×10^{18}Nm; NP1:ϕ_S262°,δ34°, λ116°. NP2:ϕ_S51°,δ60°,λ74°.
NEIC Mw 6.4 (HRV). Mb 6.4 (BRK). One person killed and eleven injured in the Malakand-Peshawar area, Pakistan. One person injured at Kabul, Afghanistan. Houses damaged in many parts of northern Pakistan and at Srinagar, Kashmir. Felt strongly throughout northeastern Afghanistan, northern Pakistan and Tajikistan. Felt in Himachal Pradesh and as far as Delhi, India.
MOS Felt I=III MSK at Chardzhou, Daraut−Kurgan, Sufi−Kurgan; I=II−III at Chimkent; I=II at Bishkek.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c130; Mantle waves: s52,c109; Half duration: 4^{s}0. Moment tensor: Scale 10^{18}Nm; M_{rr}4.09±.03; $M_{\theta\theta}$−4.13±.03; $M_{\phi\phi}$0.04±.03; $M_{r\theta}$1.09±.03; $M_{r\phi}$2.28±.02; $M_{\theta\phi}$−1.40±.03. Principal Axes: T 5.13,Plg66°,Azm277°; N −0.23,Plg20°,Azm65°; P −4.90,Plg12°,Azm159°. Best double couple: $M_0$5.0×10^{18}Nm, NP1:ϕ_S273°,δ38°,λ124°. NP2:ϕ_S52°,δ60°,λ66°.

(2) Southern Alaska

ISC	**V**	**13 17 27 53.1**±.29	**61.64N**±.032	**144.79W**±.067	**63**±7.1	3.0b	**50**	**1-42**	
EIDC	V	13 17 27 50.8	61.7N	144.6W	0	4.1L,3.4b			**¶97v2280**
NEIC	V	13 17 27 55.0	61.60N	144.81W	38				
PGC	V	13 17 27 55.1	61.6N	144.8W	38	3.9L			

NEIC M_L4.3(PMR), M_L4.0(AEIC). Felt, After AEIC.
PGC Chugach Mountains, Alaska. Felt at Copper Center, Cordova and Valdez, Alaska.

(135) Near coast of Central Chile

ISC	**V**	**13 21 30 03**±4.9	**32.8S**±.14	**71.7W**±.26	**9**±20		**13**	**1-3**	
NEIC	V	13 21 30 03.4	32.81S	71.66W	10				**¶97v2334**
GUC	V	13 21 30 03.9	32.77S	71.68W	16	4.2D			

NEIC Single network solution.
NEIC Felt I=III MM at Zapallar and II MM at Quintero, Valparaiso, Villa Alemana and Vina del Mar.

(2) Southern Alaska

ISC	**V**	**13 23 11 03.9**±.27	**61.23N**±.030	**150.93W**±.050	**67**±2.7	**4.5b**	**186**	**0-151**	
BJI	V	13 23 11 00.5	61.58N	151.50W	26	5.0b,5.8s			**¶97v2349**
MOS	V	13 23 11 03.0	61.1N	150.9W	55	5.3b			
NEIC	V	13 23 11 05.3	61.05N	150.77W	59	4.7b			
EIDC	V	13 23 11 05.4	61.2N	150.8W	67	4.2b,3.0s			

NEIC M_L5.0(AEIC), M_L5.0(PMR). Felt I=IV MM, After AEIC.
NEIC Felt I=IV MM at Anchorage, Big Lake, Eagle River, Palmer and Soldotna. Also felt at Butte, Kashwitna and Wasilla.

(235) Kyūshū

ISC	**V**	**13 23 32 07**±1.0	**31.91N**±.029	**130.36E**±.027	**15**±6.7	**4.2b,4.5s**	**143**	**0-92**	
EIDC	V	13 23 32 05.0	31.9N	130.4E	0	4.1b,4.2s			**¶97v2353**
JMA	V	13 23 32 06.3±.1	31.93N±.00	130.34E±.01	9±2	4.7			
BJI	V	13 23 32 08.1	31.96N	130.23E	16	4.5L,4.4b			
NEIC	V	13 23 32 08.2	31.87N	130.38E	33	4.3b,4.6s			
MOS	V	13 23 32 08.8	31.9N	130.4E	33	4.6b,4.4s			

JMA Felt = IV J1
BJI Ms4.9
NEIC Felt I=IV J at Kagoshima. Also felt in other parts of southern Kyushu.

(243) Taiwan region

ISC	**V**	**14 01 11 16**±5.2	**24.32N**±.086	**122.2E**±.33	**11**±20		**11**	**0-2**	
TAP	V	14 01 11 19.6	24.41N	121.90E	20	3.4L			**¶97v2362**

TAP Felt I=III J

(344) North-Western Iran-USSR border region

ISC	**V**	**14 01 21 57**±3.5	**38.3N**±.14	**45.2E**±.11	**24**±31	**3.6b**	**13**	**1-51**	
NEIC	V	14 01 21 57.7	38.28N	45.19E	33				**¶97v2363**
EIDC	V	14 01 22 05.2	38.8N	45.5E	76	3.4b,3.5L			

NEIC Less reliable solution.
NEIC Felt at Tasuj, Iran.

(88) Dominican Republic region

ISC	**V**	**14 03 00 45.6**±.67	**19.64N**±.049	**70.28W**±.040	**43**±7.4	**4.6b,4.2s**	**151**	**1-160**	
MOS	V	14 03 00 46.3	19.7N	70.3W	44	4.9b,4.3s			**¶97v2373**
NEIC	V	14 03 00 46.5	19.63N	70.29W	54	4.7b,4.3s			
EIDC	V	14 03 00 48.7	19.6N	70.4W	60	4.1b,4.0s			

NEIC Felt I=V MM at Gaspar Hernandez; IV MM at San Francisco de Macoris; III MM at Bonao, La Vega and Santiago; II MM at Santo Domingo.

(377) Spain

MDD	**V**	**14 09 45 54.4**	**38.02N**	**1.24W**	**9**	**2.9**			**¶97v2424**

MDD Felt I=II-III MSK:

(244) Taiwan

ISC	**V**	**14 11 12 56**±1.6	**24.5N**±.10	**121.8E**±.18	**10**±18		**5**	**0-1**	
TAP	V	14 11 12 55.0	24.49N	121.75E	7	2.2L			**¶97v2437**

ISC Poorly determined
TAP Felt I=III J

(378) Pyrenees

ISC	**V**	**14 12 19 30.5**±.43	**43.31N**±.034	**0.46W**±.054	**3**		**27**	**0-5**	
LDG	V	14 12 19 32.2	43.1N	0.5W		3.2L			**¶97v2446**
MDD	V	14 12 19 32.9	43.13N	0.50W	3	3.1			
NEIC	V	14 12 19 33.0	43.06N	0.59W	5				

PIST Felt I=III MSK Laruns
NEIC mbLg3.1(MDD).Less reliable solution.

(244) Taiwan

ISC	**V**	**14 15 31 10**±1.5	**24.43N**±.096	**121.7E**±.16	**8**		**4**	**0-1**	
TAP	V	14 15 31 09.6	24.44N	121.74E	8	2.3L			**¶97v2471**

ISC Poorly determined
TAP Felt I=IV J

(244) Taiwan

ISC	**V**	**14 16 02 26**±1.4	**24.43N**±.097	**121.7E**±.16	**1**±31		**5**	**0-1**	
TAP	V	14 16 02 25.1	24.44N	121.74E	8	2.3L			**¶97v2477**

ISC Poorly determined
TAP Felt I=IV J

(244) Taiwan

ISC	**V**	**15 10 43 46.5**±.32	**24.79N**±.042	**121.95E**±.048	**105**±3.9	**3.9b**	**49**	**0-83**	
TAP	V	15 10 43 47.7	24.79N	121.93E	93	4.9L			**¶97v2599**
JMA	V	15 10 43 48.5±.6	24.72N±.06	122.06E±.05	94				
NEIC	V	15 10 43 51.4	24.76N	121.84E	150	3.7b			
BJI	V	15 10 43 55.8	25.35N	121.63E	150	4.6b			
EIDC	V	15 10 44 00.3	24.9N	122.2E	218	3.5b			

TAP Felt I=III J I Hwalien, Ilan, Suao, Neicheng
NEIC Less reliable solution.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(43) Southern California						
ISC	**V 15 13 31 52.9**±.43	**34.35N**±.032	**116.88W**±.046	**4**		**30**	**0-6**
NEIC	V 15 13 31 53.2	34.37N	116.88W	4			**¶97v2627**
NEIC	M_L3.1(PAS). Felt, After PAS.						
NEIC	Felt at Big Bear Lake.						
	(43) Southern California						
ISC	**V 15 14 29 01**±1.3	**33.88N**±.058	**118.48W**±.060	**0**±8.4		**26**	**0-3**
NEIC	V 15 14 29 02.6	33.88N	118.46W	10			**¶97v2632**
NEIC	M_L3.1(PAS). Felt, After PAS.						
NEIC	Felt at Inglewood, Venice and other cities near the Los Angeles International Airport.						
	(383) Northwestern Balkan region						
ISC	**V 15 17 04 49**±5.0	**45.9N**±.12	**16.0E**±.40	**9**±30		**5**	**0-1**
LJU	V 15 17 04 49.5	45.9N	16.0E	9			**¶97v2651**
ISC	Poorly determined						
ZAG	Felt Kasina region (after PTJ)						
	(377) Spain						
ISC	**V 15 20 28 01.8**±.59	**42.96N**±.049	**7.17W**±.079	**14**		**23**	**0-7**
LIS	V 15 20 28 04	42.82N	7.23W		2.6L		**¶97v2670**
MDD	V 15 20 28 04.2	42.80N	7.25W	14	3.4		
LDG	V 15 20 28 06.0	43.2N	7.2W		2.9L		
NEIC	Felt I=III (after ETOR)						
	(243) Taiwan region						
ISC	**V 16 06 14 56.4**±.27	**24.60N**±.040	**122.69E**±.036	**107**±3.3	**4.0b**	**68**	**0-94**
NEIC	V 16 06 14 56.3	24.58N	122.26E	111	4.5b		**¶97v2731**
JMA	V 16 06 14 57.5±.5	24.82N±.04	122.74E±.04	90			
TAP	V 16 06 14 57.8	24.53N	122.72E	82	5.1L		
EIDC	V 16 06 14 58.3	24.6N	122.4E	120	3.7b		
BJI	V 16 06 15 00.3	24.91N	122.50E	121	4.3b		
NEIC	Less reliable solution.						
TAP	Felt I=III J, I Ilan, Neicheng, Hwalien						
	(391) Albania						
ISC	**V 16 07 00 49.6**±.10	**41.02N**±.014	**20.19E**±.013	**21**	**5.1b,5.3s**	**574**	**0-146**
BJI	V 16 07 00 45.9	40.38N	20.26E	20	5.5b,5.7s		**¶97v2733**
PDG	V 16 07 00 47.4	40.9N	20.2E	3	5.4L,5.2D		
TIR	V 16 07 00 47.8	41.00N	20.29E	21	4.6L		
EIDC	V 16 07 00 47.9	41.0N	20.3E	0	5.0b,4.9s		
NEIC	V 16 07 00 48.3	41.05N	20.17E	10	5.4b,5.3s		
MOS	V 16 07 00 48.8	41.1N	20.1E	10	5.9b,5.2s		
ATH	V 16 07 00 49.7	41.02N	20.33E	5	5.5L		
LDG	V 16 07 00 51.3	41.3N	20.2E		4.8L		
THE	V 16 07 00 51.7	40.9N	20.4E	8	4.8L		
HRVD	V 16 07 00 54.0±.5	41.06N±.07	20.14E±.07	21±3.3			
PDG	Felt at Ulcinj, Podgorica III−IV MCS						
TIR	Felt I=IV−V MSK at Elbasani, Librazhdi, Berati, Department of Korca, IV Vlora, Department of Tirana						
NEIC	Mw5.4(HRV), M_L4.9(ROM)						
NEIC	Damage to older houses in the Lake Ohrid area. Felt at Edhessa, Florina, Kastoria and Kozani, Greece.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c43; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.75±.05; $M_{\theta\theta}$−0.37±.07; $M_{\phi\phi}$1.11±.06; $M_{r\theta}$0.45±.12; $M_{r\phi}$−0.73±.17; $M_{\theta\phi}$0.10±.05. Principal Axes: T 1.37,Plg19°,Azm88°; N −0.13, Plg25°,Azm349°; P −1.24,Plg57°,Azm211°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S213°,δ34°,λ−40°. NP2:ϕ_S338°,δ69°,λ−117°.						
	(45) California-Mexico border region						
ECX	**V 16 10 34 38.5**	**32.26N**	**116.65W**	**13**	**3.6D**		**¶97v2758**
NEIC	V 16 10 34 36.9	32.23N	116.69W	6			
NEIC	M_L3.2(PAS). Felt, After PAS.						
NEIC	Felt at La Mesa, California.						
	(243) Taiwan region						
ISC	**V 16 11 24 15.6**±.73	**24.59N**±.048	**122.09E**±.043	**4**±7.8		**25**	**0-3**
TAP	V 16 11 24 16.4	24.58N	121.95E	10	4.2L		**¶97v2766**
JMA	V 16 11 24 17.0±.4	24.11N±.04	122.11E±.03	33	3.6		
TAP	Felt I=IV J, II Suao, Neicheng, I Ilan						
	(662) Sakhalin						
ISC	**V 16 23 12 45**±1.4	**53.13N**±.070	**142.9E**±.16	**27**±11	**3.7b**	**17**	**0-83**
SKHL	V 16 23 12 40.8	52.97N±.05	142.94E±.12	11±1			**¶97v2842**
EIDC	V 16 23 12 42.3	53.1N	143.0E	0	3.7b		
SKHL	K 8.9. Felt I=V−VI MSK at Sabo; I=IV at Tungor; I=III at Ehabi, Ozernii, Okha; I=II−III at Vostochnii, Kolendo						
	(123) Northern Chile						
ISC	**V 17 02 10 15.9**±.58	**27.10S**±.031	**69.48W**±.040	**77**±5.7	**5.5b**	**376**	**4-175**
EIDC	V 17 02 10 17.8	27.1S	69.5W	87	5.2b,4.6s		**¶97v2868**
BJI	V 17 02 10 18.9	27.20S	69.50W	106			
NEIC	V 17 02 10 18.9	27.16S	69.50W	106	5.5b		
MOS	V 17 02 10 20.5	26.9S	69.5W	111	5.6b		
HRVD	V 17 02 10 26.0±.3	27.06S±.03	70.06W±.04	121±1.6			
NEIC	Mw5.5(GS), Mw5.5(HRV)						
NEIC	Felt I=V MM at Copiapo; IV MM at El Salvador, Inca de Oro and Potrerillos; III MM at Diego de Almagro; II MM at Taltal.						
NEIC	Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}−0.78; $M_{\theta\theta}$−0.43; $M_{\phi\phi}$1.21; $M_{r\theta}$−0.65; $M_{r\phi}$1.35; $M_{\theta\phi}$0.48. Depth 114km; Principal axes: T 1.90,Plg26°,Azm274°; N 0.00,Plg27°, Azm170°; P −1.90,Plg51°,Azm41°. Best double couple: $M_0$1.9×10^{17}Nm; NP1:ϕ_S48°,δ31°, λ−28°. NP2:ϕ_S162°,δ76°,λ−118°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c54; Mantle waves: s30,c30; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.47±.06; $M_{\theta\theta}$1.03±.10; $M_{\phi\phi}$−0.56±.11; $M_{r\theta}$−0.85±.06; $M_{r\phi}$1.99±.07; $M_{\theta\phi}$−0.39±.10. Principal Axes: T 2.17,Plg36°,Azm220°; N 0.37,Plg23°,Azm328°; P −2.54,Plg45°,Azm83°. Best double couple: $M_0$2.3×10^{17}Nm, NP1:ϕ_S251°,δ23°,λ−168°. NP2:ϕ_S150°,δ85°,λ−67°.						
	(216) Marianas						
ISC	**V 17 03 06 13**±1.4	**14.06N**±.058	**145.7E**±.15	**72**±11	**4.1b**	**40**	**1-147**
BJI	V 17 03 06 14.2	14.00N	145.40E	82	4.7b,4.5s		**¶97v2874**
NEIC	V 17 03 06 14.2	14.06N	145.41E	82	4.2b		
EIDC	V 17 03 06 20.3	14.0N	145.6E	129	3.8b		
NEIC	Felt, Less reliable solution.						
NEIC	Felt on Guam.						
	(321) Southern Xinjiang Province						
ISC	**V 17 03 58 25.1**±.67	**39.52N**±.031	**76.96E**±.028	**43**±6.6	**4.8b,4.8s**	**366**	**1-144**
EIDC	V 17 03 58 23.1	39.4N	76.9E	20	4.5b,4.3s		**¶97v2879**
BJI	V 17 03 58 23.5	39.50N	76.98E	24	4.8b,5.2s		
NEIC	V 17 03 58 23.7	39.53N	76.97E	33	4.9b,4.9s		
MOS	V 17 03 58 25.6	39.7N	77.0E	33	5.2b,4.8s		
NEIC	Casualties.						
NEIC	One person injured at Jiashi.						
	(43) Southern California						
ISC	**V 17 05 29 01**±2.5	**33.7N**±.41	**116.7W**±.50	**15**		**4**	**0-3**
NEIC	V 17 05 29 01.0	33.63N	116.76W	15			**¶97v2886**
ISC	Poorly determined						
NEIC	M_L2.7(PAS). Felt, After PAS.						
NEIC	Felt at Palm Springs.						
	(162) South Island, New Zealand						
ISC	**V 17 05 57 01**±1.2	**42.22S**±.093	**171.3E**±.16	**12**		**11**	**1-4**
WEL	V 17 05 57 02.3	42.23S	171.31E	12	3.7L		**¶97v2889**
WEL	Felt Barrytown.						
	(244) Taiwan						
ISC	**V 17 08 00 58**±1.1	**24.21N**±.064	**121.8E**±.14	**27**±7.6		**13**	**0-2**
TAP	V 17 08 00 58.2	24.27N	121.67E	23	3.3L		**¶97v2898**
TAP	Felt I=II J						
	(244) Taiwan						
ISC	**V 17 10 31 46.2**±.66	**22.84N**±.054	**120.68E**±.066	**16**±23		**11**	**0-1**
TAP	V 17 10 31 45.4	22.83N	120.70E	15	3.0L		**¶97v2912**
TAP	Felt I=II J						
	(235) Kyūshū						
ISC	**V 17 21 24 58.2**±.46	**32.36N**±.025	**130.63E**±.025	**26**±4.2	**4.2b,4.2s**	**141**	**0-88**
JMA	V 17 21 24 57.8±.0	32.38N±.00	130.64E±.00	13±2	4.6		**¶97v2989**
MOS	V 17 21 24 58.4	32.3N	130.7E	33	4.7b		
NEIC	V 17 21 24 58.4	32.40N	130.65E	33	4.5b,3.9s		
BJI	V 17 21 24 58.7	32.19N	130.58E	32	4.5L,4.5b		
EIDC	V 17 21 25 00.9	32.4N	130.7E	38	3.9b,4.1L		
JMA	Felt I= IV J1						
BJI	Ms4.5						
	(391) Albania						
ISC	**V 18 03 02 09.1**±.55	**41.05N**±.020	**20.20E**±.020	**8**±4.1	**4.3b,3.1s**	**202**	**0-123**
BJI	V 18 03 02 05.9	41.00N	20.20E	10	4.8b		**¶97v3023**
TIR	V 18 03 02 08.0	41.11N	20.43E	5	4.3L		
PDG	V 18 03 02 08.1	41.0N	20.3E	1	4.4L,4.4D		
ROM	V 18 03 02 08.4	41.0N	20.5E	10	3.9D		
EIDC	V 18 03 02 08.6	41.0N	20.3E	0	4.2b,3.1s		
NEIC	V 18 03 02 08.9	41.06N	20.25E	10	4.2b		
MOS	V 18 03 02 09.1	41.0N	20.2E	10	5.0b		
THE	V 18 03 02 11.6	41.0N	20.4E	1	3.9L		
ATH	V 18 03 02 15.0	41.01N	20.60E	20	4.4L		
NEIC	Felt throughout the southwestern part of the former Yugoslav Republic of Macedonia.						
	(29) Washington State						
ISC	**V 18 08 28 06.7**±.51	**48.70N**±.025	**122.42W**±.035	**5**±4.7		**76**	**0-4**
PGC	V 18 08 28 07.8	48.7N	122.4W	0	3.0L		**¶97v3053**
NEIC	V 18 08 28 08.1	48.67N	122.36W	13			
PGC	Near Bellingham, Washington.Felt.						
NEIC	M_D3.2(SEA). Felt, After SEA.						
	(243) Taiwan region						
ISC	**V 18 12 30 18**±2.5	**24.34N**±.069	**122.0E**±.20	**7**±11		**11**	**0-1**
TAP	V 18 12 30 18.8	24.41N	121.89E	12	2.8L		**¶97v3081**
TAP	Felt I=III J						
	(377) Spain						
ISC	**V 18 13 15 19**±1.5	**38.05N**±.084	**1.3W**±.10	**7**±15		**17**	**0-5**
NEIC	V 18 13 15 19.5	38.03N	1.26W	10			**¶97v3090**
MDD	V 18 13 15 20.5	38.01N	1.24W	4	3.5		
NEIC	mbLg3.7(MDD)						
NEIC	Felt I=III MM in the Alcantarilla area.						
MDD	Felt I=III MSK						
	(244) Taiwan						
ISC	**V 18 13 38 39**±2.2	**24.38N**±.061	**122.0E**±.20	**11**±11		**11**	**0-2**
TAP	V 18 13 38 39.7	24.40N	121.90E	14	2.9L		**¶97v3093**
TAP	Felt I=III J						
	(373) Dead Sea region						
ISC	**V 18 19 46 56.0**±.47	**32.76N**±.042	**35.37E**±.059	**21**±6.5		**35**	**0-3**
JSO	V 18 19 46 53.9	32.74N	35.22E	6	3.8L		**¶97v3140**
IPRG	V 18 19 46 56.5±.26	32.8N	35.3E	10±4.1	3.6L,4.1b		
IPRG	Felt I=I MM						
	(43) Southern California						
ISC	**V 18 21 45 30**±1.2	**34.71N**±.065	**120.53W**±.099	**1**		**28**	**1-4**
NEIC	V 18 21 45 33.5	34.81N	120.31W	1			**¶97v3151**
NEIC	M_L3.1(PAS). Felt, After PAS.						
NEIC	Felt in the Santa Maria area.						
	(533) United Kingdom						
ISC	**V 19 08 02 34**±1.4	**51.64N**±.041	**1.57W**±.083	**9**±12		**32**	**1-9**
BGS	V 19 08 02 36.0	51.76N	1.64W	6	2.7L		**¶97v3220**
BGS	Felt I=IV−V MSK, Carterton, Witney, Burford and Bampton						
	(135) Near coast of Central Chile						
ISC	**V 19 14 29 23**±13	**32.2S**±.84	**71.0W**±.25	**76**±52		**13**	**1-2**
GUC	V 19 14 29 24.4	32.31S	70.96W	65	4.3D		**¶97v3267**
NEIC	V 19 14 29 25.9	32.41S	70.98W	60			
NEIC	Poor solution.						
NEIC	Felt I=III MM at Papudo, Petorca and Santiago; II MM at La Ligua and Quillota, Chile.						
	(507) Alabama						
ISC	**V 19 19 45 35.4**±.62	**34.67N**±.068	**85.32W**±.053	**5**	3.1b	**17**	**1-33**
NEIC	V 19 19 45 33.6	34.78N	85.44W	5			**¶97v3299**
NEIC	mbLg2.9(GS). Less reliable solution.						
NEIC	Felt in the Summerville, Georgia area.						
	(122) Near coast of Northern Chile						
ISC	**V 20 06 17 00**±1.9	**25.11S**±.082	**70.8W**±.12	**47**±18	**4.2b**,3.3s	**22**	**8-145**
NEIC	V 20 06 16 58.6	25.13S	70.80W	33	4.3b		**¶97v3367**
EIDC	V 20 06 17 02.9	25.2S	70.7W	53	4.0b,3.9L		
NEIC	Felt I=III MM at Taltal.						
	(496) New Mexico						
ISC	**V 20 09 41 07.8**±.56	**34.28N**±.053	**105.93W**±.065	**10**		**18**	**1-7**
NEIC	V 20 09 41 05.8	34.19N	105.74W	10			**¶97v3380**
NEIC	mbLg3.2(GS), M_D2.7(SNM). Felt, After SNM.						
NEIC	Felt in the Corona area.						
	(244) Taiwan						
ISC	**V 20 14 55 27**±1.0	**24.50N**±.035	**120.69E**±.051	**15**±8.0	**3.9b**	**35**	**0-87**
BJI	V 20 14 55 10.3	23.58N	122.31E	31	4.4L,3.7s		**¶97v3421**
EIDC	V 20 14 55 24.5	24.3N	120.9E	0	3.6b,3.6L		
TAP	V 20 14 55 26.0	24.46N	120.72E	10	4.3L		
NEIC	V 20 14 55 28.3	24.29N	121.35E	33	4.2b		
TAP	Felt I=IV J, II Taichung						
NEIC	Poor solution.						
	(243) Taiwan region						
ISC	**V 20 16 23 23.7**±.94	**24.82N**±.058	**122.01E**±.053	**5**±9.6		**22**	**0-2**
TAP	V 20 16 23 23.4	24.81N	121.96E	7	3.8L		**¶97v3432**
JMA	V 20 16 23 24.0±.3	25.10N±.02	122.09E±.03	23	3.3		
TAP	Felt I=II J						
	(216) Marianas						
ISC	**V 21 05 04 25.1**±.60	**13.88N**±.058	**144.8E**±.14	**140**±5.7	**4.4b**	**34**	**0-148**
NEIC	V 21 05 04 24.5	13.90N	144.87E	137	4.8b		**¶97v3517**
EIDC	V 21 05 04 26.3	13.9N	144.8E	137	4.1b,2.9s		
BJI	V 21 05 04 27.5	13.90N	144.80E	137	4.2b		
NEIC	Felt I=IV MM by people in high−rise buildings at Agana, Guam.						
	(186) Vanuatu (New Hebrides)						
ISC	**V 21 14 10 28.1**±.82	**20.39S**±.026	**169.23E**±.028	**69**±7.6	**5.7b**	**637**	**3-171**
MOS	V 21 14 10 25.0	20.4S	169.4E	43	6.3b,6.4s		**¶97v3565**

NEIC V 21 14 10 26.2 20.44S 169.29E 57 5.9b,6.5s
BJI V 21 14 10 26.7 20.32S 169.69E 69 5.7b,6.5s
EIDC V 21 14 10 29.1 20.4S 169.3E 69 5.5b,5.8s
HRVD V 21 14 10 35.0±.1 20.34S 169.03E±.01 64
NEIC Mw6.8(HRV), Me6.5(GS
NEIC Radiated energy from the P−wave first−motion solution: 1.1±0.2×10^{14}Nm/20
NEIC Mw 6.6 (GS). Ms 6.1 (BRK). Felt I=V MM at Noumea, New Caledonia. Also felt at Port-Vila. M_0=2.3×10^{19}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S191°,δ71°,λ140°. NP2:ϕ_S296°,δ53°,λ24°. Principal axes: T Plg41°,Azm147°; P Plg12°,Azm247°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}3.19; $M_{\theta\theta}$0.32; $M_{\phi\phi}$−3.51; $M_{r\theta}$0.24; $M_{r\phi}$−7.90; $M_{\theta\phi}$3.11. Depth 53km; Principal axes: T 8.71,Plg53°,Azm108°; N 0.80,Plg18°, Azm353°; P −9.50,Plg31°,Azm252°. Best double couple: $M_0$9.1×10^{18}Nm; NP1:ϕ_S298°,δ22°, λ34°. NP2:ϕ_S177°,δ78°,λ108°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s60,c152; Mantle waves: s55,c133; Half duration: 1s0. Moment tensor: Scale 10^{19}Nm; M_{rr}0.07±.01; $M_{\theta\theta}$−0.17±.00; $M_{\phi\phi}$0.10±.00; $M_{r\theta}$0.01±.01; $M_{r\phi}$−0.98±.01; $M_{\theta\phi}$1.05±.00. Principal Axes: T 1.46,Plg31°,Azm123°; N −0.03,Plg47°,Azm353°; P −1.44,Plg27°,Azm230°. Best double couple: $M_0$1.5×10^{19}Nm, NP1:ϕ_S268°,δ47°,λ3°. NP2:ϕ_S176°,δ88°,λ137°.

(377) Spain

ISC V 21 14 17 20±1.1 **42.83N**±.079 **7.2W**±.13 **25**±18 **12 0-3**
MDD V 21 14 17 20.7 42.81N 7.24W 6 3.3 **¶97v3567**
LIS V 21 14 17 21 42.82N 7.20W 2.8L
MDD Felt I=II−III MSK
NEIC Felt I=II−III MSK (after GUD)

(314) India

ISC V 21 22 51 28±1.4 **23.09N**±.027 **80.08E**±.021 **29**±9.7 **5.8b,5.6s 599 6-152**
BJI V 21 22 51 27.8 23.14N 79.95E 34 5.7b,5.7s **¶97v3620**
NEIC V 21 22 51 28.7 23.08N 80.04E 36 6.0b,5.6s
MOS V 21 22 51 29.3 23.1N 80.0E 33 6.2b,5.5s
EIDC V 21 22 51 30.9 23.0N 80.1E 38 5.6b,5.2s
HRVD V 21 22 51 31.8±.2 23.06N±.02 80.22E±.02 38
NEIC Mw5.8(GS), Me5.4(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.7±0.5×10^{12}Nm/17
NEIC Mw 5.8 (HRV). At least 38 people killed, more than 1,000 injured, thousands homeless and extensive damage in the Jabalpur area. Felt in much of Madhya Pradesh. Also felt at Allahabad, Delhi, Nagpur and in parts of western Orissa.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S255°,δ20°,λ90°. NP2:ϕ_S75°,δ70°,λ90°. Principal axes: T Plg65°,Azm345°; P Plg25°,Azm165°. Two events about 1 second apart. Depth from synthetics of broadband displacement seismograms based on first event.
NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}3.05; $M_{\theta\theta}$−3.36; $M_{\phi\phi}$0.31; $M_{r\theta}$3.65; $M_{r\phi}$2.14; $M_{\theta\phi}$−0.57. Depth 33km; Principal axes: T 5.31,Plg61°,Azm316°; N 0.06,Plg12°,Azm68°; P −5.38,Plg26°,Azm164°. Best double couple: $M_0$5.3×10^{17}Nm; NP1:ϕ_S279°,δ22°,λ123°. NP2: ϕ_S64°,δ72°,λ78°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c108; Mantle waves: s26,c34; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}3.55±.07; $M_{\theta\theta}$−4.14±.08; $M_{\phi\phi}$0.59±.09; $M_{r\theta}$3.47±.14; $M_{r\phi}$2.52±.14; $M_{\theta\phi}$−0.71±.07. Principal Axes: T 5.77,Plg61°,Azm306°; N 0.11,Plg16°,Azm67°; P −5.88,Plg23°,Azm164°. Best double couple: $M_0$5.8×10^{17}Nm, NP1:ϕ_S283°,δ26°,λ129°. NP2:ϕ_S61°,δ70°,λ73°.

(676) Alaska

ISC V 21 22 59 55.4±.57 **65.39N**±.068 **167.0W**±.17 **5** **4.2b 33 1-75**
NEIC V 21 22 59 55.2 65.39N 166.98W 5 4.3b **¶97v3622**
EIDC V 21 22 59 56.0 65.4N 166.9W 0 4.1b,3.8L
NEIC $M_{L4.6}$(AEIC), $M_{L4.7}$(PMR)
NEIC Felt at Brevig Mission and Teller. Also felt I=IV MM at Nome.

(230) Near south coast of Honshū

ISC V 21 23 11 24.1±.55 **34.23N**±.021 **139.19E**±.021 **8**±3.4 **4.9b,5.1s 326 0-150**
EIDC V 21 23 11 22.6 34.2N 139.5E 0 4.6b,4.0L **¶97v3623**
JMA V 21 23 11 24.8±.2 34.22N±.01 139.22E±.01 0 5.1
NEIC V 21 23 11 25.9 34.28N 139.13E 20 5.1b
MOS V 21 23 11 28.1 34.3N 139.1E 33 5.6b
BJI V 21 23 11 28.5 34.30N 139.10E 20 5.1b,5.4s
JMA Felt I= IV J1

(377) Spain

ISC V 21 23 49 42.3±.15 **42.85N**±.015 **7.15W**±.026 **9** **4.7b,**5.0s **252 0-153**
EIDC V 21 23 49 42.3 42.8N 7.3W 0 4.4b,4.6L **¶97v3629**
BJI V 21 23 49 43.7 42.90N 7.10W 19 4.7b
NEIC V 21 23 49 43.7 42.90N 7.13W 19 4.9b
MOS V 21 23 49 44.5 42.9N 7.1W 27 5.2b,5.2s
LIS V 21 23 49 45 42.80N 7.22W 13 4.6L
MDD V 21 23 49 45.2 42.82N 7.23W 9 4.1
HRVD V 21 23 49 48.2±.8 42.74N±.18 7.54W±.19 19
NEIC Mw5.3(HRV), mbLg4.7(MDD)
NEIC Felt in many parts of northern and western Spain. Also felt in northern Portugal.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c22; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.33±1.13; $M_{\theta\theta}$−0.81±1.67; $M_{\phi\phi}$7.14±1.20; $M_{r\theta}$−1.13±2.65; $M_{r\phi}$−5.85±3.54; $M_{\theta\phi}$−2.99±.99. Principal Axes: T 9.88,Plg18°, Azm76°; N −0.81,Plg19°,Azm173°; P −9.07,Plg63°,Azm305°. Best double couple: $M_0$9.5×10^{16}Nm, NP1:ϕ_S139°,δ31°,λ−128°. NP2:ϕ_S1°,δ66°,λ−70°.

(377) Spain

ISC V 21 23 50 42.7±.13 **42.86N**±.015 **7.16W**±.020 **13** **5.2b,5.0s 418 0-156**
EIDC V 21 23 50 42.0 42.9N 7.3W 0 4.9b,5.3L **¶97v3630**
BJI V 21 23 50 42.5 43.31N 7.24W 3 5.3b,5.7s
NEIC V 21 23 50 43.5 42.88N 7.19W 19 5.3b,4.9s
MOS V 21 23 50 43.8 42.9N 7.1W 24 5.6b,5.0s
MDD V 21 23 50 45.9 42.78N 7.26W 13 5.1
LIS V 21 23 50 47 42.72N 7.28W 12 5.4L
HRVD V 21 23 50 47.9±.5 42.95N±.11 7.21W±.11 15
LDG V 21 23 50 48.2 43.2N 7.1W 5.6L
STR V 21 23 50 55.3 43.50N 6.25W 10 5.6L
NEIC Mw5.4(HRV)
NEIC mbLg 5.1 (MDD). One person died from a heart attack and minor damage in the Galicia region. Felt in many parts of northern and western Spain. Also felt in northern Portugal.
MDD Felt I=VI MSK
LIS Felt I=V MM Franca, Pitoes, Montalegre, Vinhais,Gralhos, Paradela, Geres, Sudro, Cabril, Terras do Bouro, Chaves, Safiaes, Carvalhelhos, Boticas, Castanheira, Faioes, Alto da Forca, Vidago, Pisoes, Valpacos, Rio Torto, Eixos, Pedras Salgadas, Povoa de Lanhoso, Vila Real, IV−V Melgaco, Braganca, Amares, Braga, Macedo de Cavaleiros, Carvalhais, Mirandela, Guimaraes
LIS Felt I=IV MM Moncao, Valenca, Arcos de valdevez, Rabal, Ponte de Lima, Barcelos, Amarante, Vila Mea, Santa Marinha, Penafiel, Regua, Meda, Vouzela, Castro Daire, Viseu, III−IV Caminha, Portelo, Viana do Castelo, Marco de Canaveses, Moncorvo, Penalva do Castelo, Mangualde, Nelas, Tondela, III Miranda do Douro, Paredes, Porto Vila, Nova de Foz Coa, Castelo de Paiva, Arouca, Pinhel, Aveiro, Agueda, Felgueiras, Guarda, Seia, Belmonte, Coimbra, Torres Novas, Castelo de Vide, II Lisboa
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c29; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.83±.09; $M_{\theta\theta}$−0.21±.11; $M_{\phi\phi}$1.04±.08; $M_{r\theta}$−0.77±.22; $M_{r\phi}$0.31±.37; $M_{\theta\phi}$−0.35±.09. Principal Axes: T 1.27,Plg15°,Azm249°; N 0.09, Plg29°,Azm150°; P −1.36,Plg56°,Azm3°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S13°, δ39°,λ−40°. NP2:ϕ_S136°,δ66°,λ−122°.

(377) Spain

ISC V 22 00 02 49.4±.31 **42.82N**±.021 **7.35W**±.043 **10** **4.1b 165 0-153**
STR V 22 00 02 46.7 43.24N 8.23W 10 5.5L **¶97v3634**
LIS V 22 00 02 51 42.77N 7.33W 4.3L
MDD V 22 00 02 51.8 42.74N 7.31W 2 4.3
EIDC V 22 00 02 51.9 42.8N 6.9W 0 4.2b,3.9L
NEIC V 22 00 02 52.3 43.00N 7.12W 10 4.5b
MOS V 22 00 02 53.4 43.2N 7.0W 10 4.4b
LDG V 22 00 02 58.6 43.3N 6.9W 4.6L
LIS Felt I=III−IV MM Melgaco, Moncao, Franca, Montalegre, Vinhais, Chaves, Braganca, Braga, Mirandela, Barcelos, III Vila Real, Castro Daire Porto, Vouzela, Viseu
NEIC mbLg4.5(MDD).

(73) El Salvador

ISC V 22 00 31 51±1.8 **13.2N**±.18 **89.6W**±.19 **77**±9.3 **4.0b 24 1-147**
NEIC V 22 00 31 51.6 13.31N 89.50W 79 4.1b **¶97v3652**
EIDC V 22 00 32 02.7 13.6N 89.2W 163 3.6b
NEIC M_D3.8(SSS). Less reliable solution.
NEIC Felt I=IV MM at San Salvador.

(377) Spain

ISC V 22 05 06 49.3±.27 **42.90N**±.020 **7.18W**±.037 **10** **4.1b 153 1-153**
STR V 22 05 06 48.0 43.03N 7.70W 10 5.0L **¶97v3710**
MOS V 22 05 06 49.9 42.9N 7.1W 11 4.0b
NEIC V 22 05 06 50.3 42.89N 7.17W 10 4.1b
EIDC V 22 05 06 50.4 42.9N 7.2W 0 4.1b,4.6L
MDD V 22 05 06 52.2 42.81N 7.23W 9 4.3
LDG V 22 05 06 53.4 43.0N 7.2W 4.6L
LIS V 22 05 06 54 42.73N 7.23W 4.3L
NEIC mbLg4.2(MDD).
LIS Felt I=III MM Moncao, Bragsanca, Terras do Bouro, Geres, Braga

(59) Guerrero, Mexico

ISC V 22 07 50 55.3±.43 **18.67N**±.031 **101.66W**±.028 **85**±3.3 **5.8b 569 1-151**
NEIC V 22 07 50 53.5 18.68N 101.60W 70 5.9b,6.0s **¶97v3733**
MOS V 22 07 50 53.7 18.7N 101.6W 70 6.3b,6.2s
BJI V 22 07 50 54.6 18.49N 101.36W 78 5.9b,6.6s
MEX V 22 07 50 55.8 18.4N 101.8W 59 4.9D
EIDC V 22 07 50 59.4 18.8N 101.5W 111 5.4b,5.8s
HRVD V 22 07 50 59.7±.1 18.76N 101.73W 56±.3
NEIC Mw6.5(GS), Me6.0(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.2±0.3×10^{13}Nm/13
NEIC Mw 6.5 (HRV). Many houses damaged at Arteaga and a church damaged at Patzcuaro, Michoacan. Felt strongly at Lazaro Cardenas, Michoacan. Also felt at Mexico City. M_0=4.9×10^{18}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S279°,δ76°,λ−98°. NP2:ϕ_S129°,δ16°,λ−61°. Principal axes: T Plg31°,Azm16°; P Plg58°,Azm178°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s24, scale 10^{18}Nm; M_{rr}−4.24; $M_{\theta\theta}$4.64; $M_{\phi\phi}$−0.40; $M_{r\theta}$5.10; $M_{r\phi}$−0.57; $M_{\theta\phi}$−0.44. Depth 67km; Principal axes: T 7.02,Plg24°,Azm5°; N −0.44,Plg1°, Azm96°; P −6.58,Plg65°,Azm188°. Best double couple: $M_0$6.8×10^{18}Nm; NP1:ϕ_S94°,δ21°, λ−92°. NP2:ϕ_S276°,δ69°,λ−89°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c135; Mantle waves: s49,c99; Half duration: 4s4. Moment tensor: Scale 10^{18}Nm; M_{rr}−5.29±.04; $M_{\theta\theta}$5.39±.03; $M_{\phi\phi}$−0.10±.03; $M_{r\theta}$3.69±.05; $M_{r\phi}$0.38±.05; $M_{\theta\phi}$−0.53±.03. Principal Axes: T 6.57,Plg17°,Azm4°; N −0.08,Plg6°,Azm272°; P −6.49,Plg72°,Azm165°. Best double couple: $M_0$6.5×10^{18}Nm, NP1:ϕ_S102°,δ28°,λ−78°. NP2:ϕ_S269°,δ62°,λ−96°.

(244) Taiwan

ISC V 22 11 32 30.4±.64 **23.18N**±.038 **120.70E**±.062 **3** **15 0-2**
TAP V 22 11 32 29.7 23.18N 120.73E 3 3.6L **¶97v3764**
TAP Felt I=III J

(249) Luzon

ISC V 22 13 21 38.3±.60 **18.99N**±.023 **121.34E**±.029 **50**±5.4 **5.6b,5.6s 531 1-173**
BJI V 22 13 21 35.7 19.12N 121.27E 8 5.4L,5.8b **¶97v3776**
NEIC V 22 13 21 36.3 18.92N 121.34E 34 5.7b,5.6s
MOS V 22 13 21 36.4 19.0N 121.3E 33 6.1b,5.7s
EIDC V 22 13 21 37.4 18.9N 121.4E 31 5.2b,5.3s
HRVD V 22 13 21 40.2±.1 19.09N 121.10E 39
BJI Ms5.6
NEIC Mw6.1(HRV), Me5.8(GS)
NEIC Mw 6.0 (GS). Felt I=III MM in Hong Kong.
NEIC Radiated energy from the P−wave first−motion solution: 1.3±0.3×10^{13}Nm/10
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S205°,δ65°,λ60°. NP2:ϕ_S79°,δ38°,λ137°. Principal axes: T Plg59°,Azm72°; P Plg15°,Azm316°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}9.00; $M_{\theta\theta}$0.80; $M_{\phi\phi}$−9.80; $M_{r\theta}$−2.40; $M_{r\phi}$−4.10; $M_{\theta\phi}$−4.10. Depth 33km; Principal axes: T 10.2,Plg76°,Azm138°; N 2.1,Plg6°, Azm21°; P −12.3,Plg12°,Azm290°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S11°,δ33°, λ78°. NP2:ϕ_S205°,δ58°,λ98°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c104; Mantle waves: s32,c57; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}1.06±.01; $M_{\theta\theta}$−0.33±.01; $M_{\phi\phi}$−0.73±.02; $M_{r\theta}$−0.28±.03; $M_{r\phi}$−0.71±.02; $M_{\theta\phi}$−0.63±.01. Principal Axes: T 1.31,Plg71°,Azm97°; N 0.11,Plg8°,Azm212°; P −1.42,Plg17°,Azm304°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S46°,δ29°,λ107°. NP2:ϕ_S207°,δ62°,λ81°.

(32) Oregon

ISC V 22 13 57 10.5±.36 **44.05N**±.027 **122.53W**±.053 **8** **45 0-3**
NEIC V 22 13 57 10.5 44.07N 122.52W 8 **¶97v3778**
NEIC M_D2.6(SEA). Felt, After SEA.
NEIC Felt at Eugene.

(377) Spain

ISC V 22 14 09 46±1.4 **42.94N**±.038 **7.28W**±.079 **21**±15 **46 0-9**
LIS V 22 14 09 49 42.75N 7.29W 15 3.7L **¶97v3779**
MDD V 22 14 09 49.2 42.75N 7.28W 13 3.7
STR V 22 14 09 50.5 43.10N 7.10W 2 4.2L
LDG V 22 14 09 50.5 43.1N 7.1W 3.8L
NEIC V 22 14 09 56.6 43.52N 6.24W 10
LIS Felt I=III MM Geres
NEIC Single network solution.

(7) Andreanof Islands

ISC V 23 07 13 06±1.0 **51.47N**±.066 **176.62W**±.045 **55**±8.4 **4.8b,4.1s 163 0-152**
MOS V 23 07 13 02.9 51.2N 176.4W 33 5.0b,4.3s **¶97v3907**
BJI V 23 07 13 04.1 51.41N 177.01W 30 5.3b,4.5s
NEIC V 23 07 13 04.6 51.40N 176.63W 44 4.8b,4.1s
EIDC V 23 07 13 05.9 51.3N 176.5W 42 4.3b,3.9s
NEIC $M_{L4.7}$(PMR)
NEIC Felt I=IV MM on Adak.

(243) Taiwan region

ISC V 23 10 41 18.3±.37 **21.04N**±.032 **122.12E**±.053 **169**±3.4 **4.5b 105 1-121**
BJI V 23 10 41 19.4 21.15N 122.10E 171 4.5b **¶97v3937**
MOS V 23 10 41 19.8 21.0N 122.0E 186 4.8b
TAP V 23 10 41 20.1 21.21N 122.04E 169 5.5L
EIDC V 23 10 41 20.8 21.0N 122.2E 181 4.1b

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	V	23 10 41 21.3	20.99N	122.17E	200	4.7b		
TAP		Felt I=II J Tainan, I Chiayi						
		(377) Spain						
ISC	**V**	**23 13 30 42.7**±.96	**42.88N**±.047	**7.16W**±.078	**28**±12		**25**	**0-9**
MDD	V	23 13 30 43.9	42.79N	7.23W	9	3.7		**¶97v3961**
LDG	V	23 13 30 46.2	43.1N	7.1W		3.3L		
NEIC	V	23 13 30 46.8	43.24N	6.70W	10			
MDD		Felt I=III MSK						
NEIC		Poor solution.						
NEIC		Felt I=III MM in the Sarria-Becerrea area.						
		(377) Spain						
ISC	**V**	**23 18 14 39.4**±.18	**42.87N**±.017	**7.10W**±.028	**10**	**4.6b**	**252**	**0-153**
NEIC	V	23 18 14 39.5	42.90N	7.07W	10	4.7b		**¶97v3980**
EIDC	V	23 18 14 39.5	42.8N	7.2W	0	4.4b,4.5L		
MOS	V	23 18 14 41.3	42.9N	7.1W	27	5.0b		
MDD	V	23 18 14 42.2	42.79N	7.24W	9	4.4		
LIS	V	23 18 14 43	42.82N	7.00W	14	4.5L		
BJI	V	23 18 14 43.9	43.62N	6.37W	5	4.6b		
LDG	V	23 18 14 44.2	43.0N	7.0W		4.9L		
STR	V	23 18 14 48.1	43.30N	6.64W	10	5.0L		
NEIC		mbLg4.5(MDD).						
MDD		Felt I=III MSK						
LIS		Felt I=III MM Melgaco, Moncao, Geres, Chaves, Braganca, Braga, Vila Real, Guarda, Covilha, Coimbra						
		(377) Spain						
ISC	**V**	**24 08 46 05**±1.4	**42.8N**±.11	**7.2W**±.16	**19**±24		**5**	**0-3**
MDD	V	24 08 46 05.0	42.82N	7.19W	14	3.5		**¶97v4086**
ISC		Poorly determined						
MDD		Felt I=II–III MSK						
		(377) Spain						
ISC	**V**	**24 18 33 31**±1.0	**42.97N**±.049	**7.17W**±.083	**29**±13		**22**	**0-9**
LIS	V	24 18 33 32	42.82N	7.23W		3.0L		**¶97v4154**
MDD	V	24 18 33 32.3	42.82N	7.24W	8	3.4		
LDG	V	24 18 33 34.7	43.2N	7.1W		3.2L		
MDD		Felt I=III MSK						
		(377) Spain						
ISC	**V**	**24 18 42 27.2**±.95	**42.93N**±.040	**7.18W**±.078	**32**±11		**33**	**1-9**
MDD	V	24 18 42 28.7	42.83N	7.24W	12	3.4		**¶97v4155**
LIS	V	24 18 42 29	42.82N	7.25W		3.1L		
LDG	V	24 18 42 31.4	43.1N	7.0W		3.3L		
MDD		Felt I=III–IV MSK						
		(470) Southern Ontario						
ISC	**V**	**24 18 52 07.7**±.29	**45.95N**±.030	**74.30W**±.042	**18**	**3.3b**	**63**	**0-148**
NEIC	V	24 18 52 06.3	45.98N	74.42W	10			**¶97v4156**
EIDC	V	24 18 52 07.3	46.1N	74.5W	0	4.2L,3.5b		
OTT	V	24 18 52 09.7	45.9N	74.2W	18	4.2N		
NEIC		mbLg4.2(OTT), mbLg3.9(GS)						
NEIC		Felt in the Montreal-Ottawa area.						
OTT		Western Quebec seismic zone. Felt 17 km south from Ste–Agathe–des–Monts, Quebec. Felt in the region from Ottawa to Montreal. Locates close to the M4.4 event of March 14, 1996.						
		(377) Spain						
ISC	**V**	**25 00 36 54.0**±.52	**42.95N**±.039	**7.13W**±.071	**12**		**30**	**1-9**
MDD	V	25 00 36 56.7	42.79N	7.20W	12	3.6		**¶97v4191**
LIS	V	25 00 36 57	42.46N	7.20W		3.1L		
LDG	V	25 00 36 59.1	43.0N	7.0W		3.2L		
MDD		Felt I=II–III MSK						
LIS		Felt I=II MM Chaves, Geres, Braga						
		(377) Spain						
MDD	**V**	**25 08 11 41.7**	**42.80N**	**7.23W**	**12**	**3.0**		**¶97v4241**
MDD		Felt I=II–III MSK						
NEIC		Felt I=II–III MSK (after STS)						
		(377) Spain						
ISC	**V**	**25 17 21 50.7**±.50	**42.92N**±.030	**7.23W**±.065	**12**		**61**	**1-11**
NEIC	V	25 17 21 51.3	43.00N	7.19W	10			**¶97v4304**
MDD	V	25 17 21 54.0	42.82N	7.26W	12	3.8		
LIS	V	25 17 21 54	42.82N	7.25W	13	3.8L		
STR	V	25 17 21 56.1	43.10N	7.20W	5	4.3L		
LDG	V	25 17 21 56.1	43.1N	7.2W		3.8L		
NEIC		mbLg3.9(MDD)						
NEIC		Felt I=IV MM in the Sarria-Becerrea area.						
MDD		Felt I=III–IV MSK						
		(377) Spain						
MDD	**V**	**25 18 28 36.7**	**42.80N**	**7.21W**	**10**	**2.8**		**¶97v4306**
MDD		Felt I=II MSK						
NEIC		Felt I=II MSK (after STS)						
		(122) Near coast of Northern Chile						
ISC	**V**	**25 18 57 31**±1.1	**22.98S**±.045	**70.59W**±.067	**45**±10	**5.0b,5.2s**	**151**	**2-176**
NEIC	V	25 18 57 30.0	22.89S	70.55W	36	5.2b,5.1s		**¶97v4312**
MOS	V	25 18 57 30.3	22.9S	70.7W	33	5.4b,5.1s		
BJI	V	25 18 57 30.6	23.78S	70.28W	36	5.9s		
HRVD	V	25 18 57 31.4±.2	23.24S±.03	71.20W±.03	15			
EIDC	V	25 18 57 31.4	23.0S	70.6W	37	4.6b,5.2s		
NEIC		Mw5.5(HRV)						
NEIC		Felt I=IV MM at Mejillones and III MM at Michilla.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c56; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.04; $M_{\theta\theta}$0.35±.06; $M_{\phi\phi}$−1.82±.07; $M_{r\theta}$0.05±.07; $M_{r\phi}$−1.35±.07; $M_{\theta\phi}$0.05±.05. Principal Axes: T 1.95,Plg70°,Azm86°; N 0.35, Plg1°,Azm178°; P −2.30,Plg20°,Azm269°. Best double couple: $M_0$2.1×10^{17}Nm, NP1:ϕ_S0°, δ25°,λ92°. NP2:ϕ_S178°,δ65°,λ89°.						
		(244) Taiwan						
ISC	**V**	**25 19 15 37**±1.2	**23.99N**±.045	**121.74E**±.091	**3**±8.8		**20**	**0-2**
TAP	V	25 19 15 36.8	24.01N	121.72E	9	3.9L		**¶97v4314**
TAP		Felt I=II J Hwalien						
		(179) South of Kermadec Islands						
ISC	**V**	**25 23 22 32.8**±.45	**32.11S**±.036	**179.82E**±.036	**323**±5.0	**6.0b**	**728**	**3-177**
EIDC	V	25 23 22 29.4	32.1S	179.8E	283	5.4b		**¶97v4334**
BJI	V	25 23 22 30.1	32.10S	179.80E	330	5.7b		
WEL	V	25 23 22 30.6	32.31S	178.79W	339	7.9L		
NEIC	V	25 23 22 33.1	32.12S	179.79E	333	6.2b		
MOS	V	25 23 22 33.5	32.0S	179.9E	332	6.2b		
HRVD	V	25 23 22 43.9	32.02S	179.95W±.01	345±.3			
WEL		Felt Auckland to Dunedin, maximum intensity I=IV MM Phases are SCP and SCS						
NEIC		Me7.2(GS), Mw7.1(GS)						
NEIC		Radiated energy from the P−wave first−motion solution: 1.4±0.4×10^{15}Nm/13						
NEIC		Mw 7.1 (HRV). Mb 6.7 (BRK). Felt strongly on Raoul. Felt throughout the North Island and as far south as Christchurch on the South Island. Mo=1.1×10^{20}Nm (PPT).						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_S320°,δ75°,λ60°. NP2:ϕ_S206°,δ33°,λ152°. Principal axes: T Plg51°,Azm196°; P Plg24°,Azm73°. Complex earthquake, with two events about 4.5 and 8.5 seconds after the onset. Depth from broadband displacement seismograms based on first event.						
NEIC		Moment tensor solution: s33, scale 10^{19}Nm; M_{rr}3.60; $M_{\theta\theta}$1.64; $M_{\phi\phi}$−5.24; $M_{r\theta}$−2.81; $M_{r\phi}$2.06; $M_{\theta\phi}$0.30. Depth 331km; Principal axes: T 5.80,Plg56°,Azm194°; N 0.01,Plg30°, Azm343°; P −5.82,Plg14°,Azm82°. Best double couple: $M_0$5.8×10^{19}Nm; NP1:ϕ_S207°,δ41°, λ141°. NP2:ϕ_S328°,δ66°,λ56°.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s63,c163; Mantle waves: s63,c165; Half duration: 8s5. Moment tensor: Scale 10^{19}Nm; M_{rr}1.86±.01; $M_{\theta\theta}$1.41±.02; $M_{\phi\phi}$−3.27±.02; $M_{r\theta}$−2.47±.01; $M_{r\phi}$2.86±.01; $M_{\theta\phi}$−2.17±.02. Principal Axes: T 5.56,Plg44°,Azm212°; N −0.83,Plg40°,Azm355°; P −4.73,Plg19°,Azm102°. Best double couple: $M_0$5.2×10^{19}Nm, NP1:ϕ_S236°,δ44°,λ158°. NP2:ϕ_S342°,δ75°,λ49°.						
		(383) Northwestern Balkan region						
ISC	**V**	**26 07 56 46**±1.0	**45.90N**±.057	**16.2E**±.12	**18**		**22**	**0-6**
LJU	V	26 07 56 43.5	45.9N	16.2E	0			**¶97v4387**
ZAG	V	26 07 56 44	45.79N	16.20E	18			
ZAG		Felt Kasina region						
		(161) Off west coast of South Island, N.Z.						
ISC	**V**	**26 10 50 08.7**±.30	**47.40S**±.048	**166.03E**±.051	**12**	**5.2b,3.8s**	**145**	**2-170**
BJI	V	26 10 50 11.2	47.40S	165.90E	33	5.5b		**¶97v4400**
NEIC	V	26 10 50 11.2	47.43S	165.96E	33	5.5b		
MOS	V	26 10 50 13.1	47.5S	165.6E	33	5.6b		
HRVD	V	26 10 50 14.5±.7	47.43S	165.96E	33			
EIDC	V	26 10 50 14.8	47.4S	165.9E	48	4.8b,3.5s		
WEL	V	26 10 50 15.0	47.27S	165.96E	12	5.5L		
NEIC		Mw5.2(HRV)						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c21; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.25±1.01; $M_{\theta\theta}$4.90±.72; $M_{\phi\phi}$0.35±1.52; $M_{r\theta}$−1.17±1.17; $M_{r\phi}$−3.63±1.57; $M_{\theta\phi}$−4.40±1.06. Principal Axes: T 7.65,Plg4°,Azm33°; N 0.16,Plg34°,Azm126°; P −7.81,Plg56°,Azm296°. Best double couple: $M_0$7.7×10^{16}Nm, NP1: ϕ_S92°,δ50°,λ−137°. NP2:ϕ_S331°,δ58°,λ−49°.						
WEL		Felt Invercargill.						
		(244) Taiwan						
ISC	**V**	**26 15 32 26**±4.1	**23.2N**±.13	**120.4E**±.31	**5**±28		**5**	**0-1**
TAP	V	26 15 32 22.6	23.17N	120.18E	8	2.5L		**¶97v4431**
ISC		Poorly determined						
TAP		Felt I=IV J						
		(162) South Island, New Zealand						
ISC	**V**	**26 16 10 29.9**±.38	**41.50S**±.044	**173.55E**±.066	**81**	4.5b	**36**	**1-40**
WEL	V	26 16 10 31.3	41.48S	173.57E	81	4.6L		**¶97v4441**
WEL		Felt Wellington and Blenheim.						
		(383) Northwestern Balkan region						
ISC	**V**	**26 23 38 56.9**±.19	**43.30N**±.021	**17.52E**±.026	**10**	**3.8b**	**140**	**1-90**
NEIC	V	26 23 38 55.4	43.24N	17.54E	10	3.7b		**¶97v4488**
PDG	V	26 23 38 55.5	43.3N	17.5E	5	4.0L,4.0D		
LDG	V	26 23 38 57.8	43.5N	17.7E		3.9L		
THE	V	26 23 39 02.7	42.9N	17.6E	10	3.8L		
EIDC	V	26 23 39 02.8	43.4N	17.6E	47	3.6b,3.9L		
ZAG		Felt in Mostar region, Bosnia and Herzegovina (after HVAR)						
		(159) North Island, New Zealand						
ISC	**V**	**27 03 14 01.6**±.35	**37.74S**±.041	**176.32E**±.076	**213**±3.2	**4.8b**	**111**	**0-178**
NEIC	V	27 03 13 58.5	37.34S	176.73E	200	4.7b		**¶97v4510**
BJI	V	27 03 13 59.2	38.23S	176.04E	207	5.0b		
WEL	V	27 03 14 01.7	37.55S	176.53E	212	6.1L		
MOS	V	27 03 14 02.2	37.4S	176.5E	227	5.0b		
EIDC	V	27 03 14 04.7	37.3S	176.5E	240	4.6b		
NEIC		Less reliable solution.						
NEIC		Felt at Napier and Wellington.						
WEL		Felt East Cape to Wellington, maximum intensity I=IV MM						
		(377) Spain						
ISC	**V**	**27 06 19 41**±1.2	**42.80N**±.059	**7.18W**±.099	**8**±12		**13**	**0-5**
LIS	V	27 06 19 42	42.78N	7.22W		2.7L		**¶97v4522**
MDD	V	27 06 19 42.2	42.78N	7.22W	5	3.0		
MDD		Felt I=II MSK						
		(382) Adriatic Sea						
ISC	**V**	**27 06 47 28.5**±.22	**42.84N**±.025	**17.63E**±.027	**10**	**3.9b**	**124**	**1-90**
MOS	V	27 06 47 25.0	42.5N	17.7E	10	4.0b		**¶97v4526**
PDG	V	27 06 47 26.4	43.0N	17.6E	5	3.8L,3.8D		
NEIC	V	27 06 47 26.9	42.76N	17.67E	10			
ROM	V	27 06 47 27.6	42.9N	18.1E	10	3.7D		
EIDC	V	27 06 47 28.1	42.9N	17.9E	0	4.0b,4.1L		
LDG	V	27 06 47 29.6	43.0N	17.8E		4.0L		
ZAG		Felt in Ston region (after HVAR)						
		(568) Uganda						
ISC	**V**	**27 16 41 03.8**±.40	**2.55N**±.063	**31.65E**±.071	**10**	**4.7b,4.3s**	**89**	**13-127**
EIDC	V	27 16 41 02.5	2.4N	31.5E	0	4.6b,4.0s		**¶97v4592**
NEIC	V	27 16 41 03.1	2.50N	31.60E	10	4.8b,4.1s		
MOS	V	27 16 41 03.2	2.5N	31.4E	10	5.3b		
BJI	V	27 16 41 06.8	2.85N	32.39E	5	5.1b,5.2s		
NEIC		Less reliable solution.						
NEIC		Felt at Gulu.						
		(382) Adriatic Sea						
ISC	**V**	**28 00 10 30.6**±.47	**42.92N**±.048	**17.85E**±.054	**9**		**29**	**1-7**
PDG	V	28 00 10 27.9	42.9N	17.7E	9	3.3L,3.3D		**¶97v4629**
ZAG		Felt in Ston region (after HVAR)						
		(377) Spain						
ISC	**V**	**28 02 44 56**±1.3	**42.83N**±.098	**7.2W**±.18	**11**		**4**	**0-3**
MDD	V	28 02 44 57.7	42.78N	7.25W	11	3.3		**¶97v4647**
ISC		Poorly determined						
MDD		Felt I=II MSK						
		(344) North-Western Iran-USSR border region						
ISC	**V**	**28 05 04 21.7**±.94	**38.73N**±.063	**48.51E**±.073	**69**±9.2	**3.9b**	**48**	**2-78**
EIDC	V	28 05 04 14.4	38.7N	48.6E	0	3.9b,2.9s		**¶97v4660**
NEIC	V	28 05 04 17.2	38.73N	48.72E	33	4.0b		
BJI	V	28 05 04 18.8	38.60N	48.14E	59	4.7b		
MOS	V	28 05 04 19.4	38.8N	48.6E	33	4.8b		
NEIC		Felt at Ardebil and Astara, Iran.						
		(244) Taiwan						
ISC	**V**	**28 11 54 48.6**±.62	**23.93N**±.032	**121.06E**±.051	**10**±6.6		**24**	**0-2**
TAP	V	28 11 54 48.0	23.96N	121.04E	15	4.1L		**¶97v4713**
BJI	V	28 11 54 53.7	23.97N	120.40E	7	3.3L		
TAP		Felt I=II J Sun Moon Lake, Tachien						
		(243) Taiwan region						
ISC	**V**	**28 14 10 54**±1.7	**24.51N**±.051	**122.2E**±.15	**9**		**20**	**0-3**
TAP	V	28 14 10 55.6	24.52N	121.93E	9	3.7L		**¶97v4734**
TAP		Felt I=IV J, III Suao, I Ilan, Neicheng						
		(2) Southern Alaska						
ISC	**V**	**28 21 31 41.2**±.22	**60.27N**±.029	**152.71W**±.054	**120**±2.1	**4.3b**	**147**	**0-163**
BJI	V	28 21 31 35.4	59.36N	152.46W	114	4.7b		**¶97v4776**
EIDC	V	28 21 31 43.1	60.5N	152.8W	116	3.8b		
NEIC	V	28 21 31 44.1	60.22N	152.65W	97	4.3b		
NEIC		Felt, After AEIC.						

NEIC Felt at Homer.
(73) El Salvador
ISC V 29 00 11 39±6.8 **13.0N**±.44 **89.5W**±.29 **33** **11 1-1**
NEIC V 29 00 11 38.9 12.98N 89.52W 33 **¶97v4787**
NEIC M_D3.5(SSS). Poor solution.
NEIC Felt I=II MM at San Salvador, El Salvador.
(43) Southern California
ISC V 29 00 48 13.8±.83 **33.34N**±.051 **116.91W**±.059 **0**±8.5 **26 0-5**
ECX V 29 00 48 13.8 33.33N 116.92W 5 3.5D **¶97v4794**
NEIC V 29 00 48 14.9 33.35N 116.91W 7
NEIC M_L3.4(PAS). Felt, After PAS.
NEIC Felt at Escondido.
(162) South Island, New Zealand
ISC V 29 03 07 32±2.1 **42.59S**±.078 **173.7E**±.12 **6**±15 **18 0-4**
WEL V 29 03 07 33.5 42.57S 173.67E 5 4.0L **¶97v4807**
WEL Felt Kaikoura.
(374) Jordan-Syria region
ISC V 29 07 06 26.4±.81 **33.31N**±.044 **35.8E**±.10 **22**±6.2 **43 0-4**
JSO V 29 07 06 25.7 33.32N 35.70E 11 3.8L **¶97v4836**
IPRG V 29 07 06 27.4±.15 33.4N 35.6E 8±1.5 3.7L,4.1b
IPRG Felt I=I MM
(244) Taiwan
ISC V 29 09 30 04.7±.98 **24.40N**±.060 **121.7E**±.13 **22**±12 **12 0-1**
TAP V 29 09 30 04.0 24.41N 121.67E 27 3.6L **¶97v4848**
TAP Felt I=III J, I Ilan, Neicheng
(162) South Island, New Zealand
ISC V 29 09 46 48±1.7 **42.59S**±.068 **173.73E**±.099 **8**±12 **25 0-5**
WEL V 29 09 46 49.1 42.55S 173.68E 5 4.3L **¶97v4850**
WEL Felt Kaikoura.
(39) Central California
ISC V 29 10 21 06.2±.56 **37.07N**±.057 **121.59W**±.074 **24**±7.3 **29 0-7**
NEIC V 29 10 21 06.8 37.12N 121.52W 8 **¶97v4852**
NEIC M_L3.6(BRK), Mw3.4(BRK). Felt, After GM−P.
NEIC MD 3.4 (GM). Felt in the epicentral area. Mo=1.2×10^{14}Nm (BRK).
(244) Taiwan
TAP V 29 10 25 14.7 24.49N 121.79E 11 2.3L ¶97v4855
TAP Felt I=II J
(70) Guatemala
ISC V 29 10 37 12.2±.64 **14.02N**±.095 **91.37W**±.061 **97**±6.1 **4.1b 56 1-146**
EIDC V 29 10 37 08.6 14.3N 90.7W 48 3.8b,3.2s **¶97v4857**
NEIC V 29 10 37 12.9 14.11N 91.28W 100 4.3b
MEX V 29 10 37 15.3 13.9N 91.8W 30 4.8D
NEIC M_D4.7(SSS)
NEIC Felt I=II MM at San Salvador, El Salvador.
(39) Central California
ISC V 29 18 28 43.8±.57 **37.08N**±.057 **121.61W**±.076 **23**±7.6 **27 0-7**
NEIC V 29 18 28 44.0 37.12N 121.52W 8 **¶97v4911**
NEIC M_L3.8(BRK), Mw3.4(BRK). Felt, After GM−P.
NEIC MD 3.4 (GM). Felt in the epicentral area. Mo=1.2×10^{14}Nm (BRK).
(377) Spain
MDD V 29 21 56 19.0 42.82N 7.24W 3.1 ¶97v4927
MDD Felt I=II MSK
(377) Spain
ISC V 29 22 22 55.6±.85 **42.78N**±.067 **7.2W**±.10 **6** **11 0-5**
MDD V 29 22 22 57.1 42.77N 7.26W 6 3.5 **¶97v4929**
MDD Felt I=III MSK
(377) Spain
ISC V 30 01 49 21.1±.60 **42.95N**±.036 **7.20W**±.076 **14** **42 1-11**
NEIC V 30 01 49 23.5 42.79N 7.27W 10 **¶97v4958**
MDD V 30 01 49 24.0 42.81N 7.21W 14 3.4
STR V 30 01 49 27.1 43.10N 7.0W 5 4.0L
LDG V 30 01 49 27.1 43.1N 7.0W 3.5L
NEIC mbLg3.6(MDD). Single network solution.
NEIC Felt I=III MM in the Sarria-Becerrea area.
MDD Felt I=III MSK
(244) Taiwan
TAP V 30 05 29 52.4 24.46N 121.73E 6 1.9L ¶97v4985
TAP Felt I=III J
(377) Spain
ISC V 30 07 49 20±1.4 **42.94N**±.039 **7.29W**±.085 **20**±16 **50 1-9**
MDD V 30 07 49 22.9 42.82N 7.27W 13 3.4 **¶97v4997**
LIS V 30 07 49 23 42.78N 7.25W 3.1L
STR V 30 07 49 24.7 43.0N 7.20W 5 4.0L
LDG V 30 07 49 24.7 43.0N 7.2W 3.6L
MDD Felt I=III MSK
(244) Taiwan
TAP V 30 08 17 09.4 24.43N 121.83E 16 2.8L ¶97v5003
TAP Felt I=III J
(244) Taiwan
ISC V 30 10 27 48.1±.99 **24.47N**±.039 **121.8E**±.12 **5** **12 0-1**
TAP V 30 10 27 47.0 24.48N 121.77E 5 2.9L **¶97v5023**
TAP Felt I=IV J
(48) Lower California
ISC V 30 15 17 22±1.1 **31.91N**±.079 **115.86W**±.050 **13**±7.8 3.6b **35 0-38**
NEIC V 30 15 17 20.0 31.89N 115.79W 5 4.1b **¶97v5055**
EIDC V 30 15 17 20.2 31.8N 116.1W 0 3.8L,3.7b
ECX V 30 15 17 21.6 31.93N 115.74W 8 4.3D
NEIC M_D4.4(ECX), M_L4.0(PAS)
NEIC Felt from San Diego, California to Tijuana, Mexico.
ECX Felt in Mexicali and Ensenada
(321) Southern Xinjiang Province
ISC V 30 17 54 55.2±.74 **37.17N**±.032 **78.01E**±.033 **49**±7.1 **4.9b,4.7s 275 3-146**
BJI V 30 17 54 52.0 37.32N 78.18E 7 4.7b,4.9s **¶97v5071**
EIDC V 30 17 54 52.5 37.1N 78.0E 19 4.6b,4.2s
MOS V 30 17 54 52.9 37.1N 78.1E 33 5.4b,4.9s
NEIC V 30 17 54 53.0 37.15N 78.05E 33 5.2b,5.2s
HRVD V 30 17 54 54.4±1.1 37.18N±.10 78.06E±.11 33
NEIC Mw5.1(HRV)
NEIC Felt at Pishan.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c26; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.27; $M_{\theta\theta}$−2.69±.36; $M_{\phi\phi}$0.06±.47; $M_{r\theta}$−2.70±1.03; $M_{r\phi}$1.30±.93; $M_{\theta\phi}$1.82±.31. Principal Axes: T 3.85,Plg68°,Azm205°; N 0.96, Plg0°,Azm296°; P −4.80,Plg22°,Azm26°. Best double couple: $M_0$4.3×10^{16}Nm, NP1:ϕ_S117°, δ23°,λ91°. NP2:ϕ_S296°,δ67°,λ90°.
(546) Austria
ISC V 30 19 28 19.5±.31 **47.71N**±.030 **15.94E**±.036 **10** **95 0-11**
NEIC V 30 19 28 20.0 47.67N 16.07E 10 **¶97v5085**
SZGRF V 30 19 28 23.3 47.9N 15.9E 10 4.2L
LDG V 30 19 28 24.9 47.6N 15.8E 3.5L
STR V 30 19 28 28.6 47.61N 15.11E 15 3.9L
NEIC $M_{L3.4}$(VIE)
NEIC Felt I=V MM at Ternitz.
(244) Taiwan
ISC V 31 01 28 39±1.3 **23.73N**±.084 **121.5E**±.13 **21** **9 0-1**
TAP V 31 01 28 38.9 23.79N 121.42E 21 3.2L **¶97v5133**
TAP Felt I=III J
(500) Central Texas
ISC V 31 03 26 41.1±.85 **33.22N**±.093 **96.00W**±.081 **5** **9 2-13**
NEIC V 31 03 26 41.3 33.18N 95.97W 5 **¶97v5144**
NEIC mbLg3.4(GS)
NEIC Felt in the Commerce-Greenville area.
(242) Near south-eastern coast of China
ISC V 31 06 51 03.1±.38 **25.59N**±.047 **117.15E**±.057 **16** **4.1b,4.3s 42 1-83**
BJI V 31 06 51 02.1 25.63N 117.13E 16 5.1L,4.6b **¶97v5161**
EIDC V 31 06 51 03.2 25.6N 117.2E 0 4.0b,3.9s
NEIC V 31 06 51 05.8 25.56N 117.16E 33
MOS V 31 06 51 06.5 25.9N 117.7E 33 4.8b
BJI Ms5.1
NEIC Some buildings damaged at Liancheng and Yongan. Felt throughout Fujian and in parts of Jiangxi and Guangdong Provinces.
(244) Taiwan
ISC V 31 23 21 36±1.1 **24.64N**±.046 **122.0E**±.13 **83**±9.8 **28 0-8**
BJI V 31 23 21 29.8 25.12N 117.58E 15 4.0L,4.2b **¶97v5254**
TAP V 31 23 21 37.4 24.62N 121.87E 64 4.8L
TAP Felt I=III J, II Suao, IIanI Kuangyinshan, Hwalien
(546) Austria
ISC VI 01 01 09 02.3±.23 **47.30N**±.024 **10.72E**±.028 **10** **93 0-9**
MOS VI 01 01 09 01.7 47.3N 10.8E 10 4.0b **¶97vi0007**
NEIC VI 01 01 09 01.9 47.25N 10.76E 5
SZGRF VI 01 01 09 04.0 47.3N 10.7E 23 3.2L
LDG VI 01 01 09 04.8 47.3N 10.6E 3.2L
ROM VI 01 01 09 05.2 47.2N 10.8E 5 2.9D
STR VI 01 01 09 06.4 47.29N 10.47E 8 3.4L
NEIC $M_{L3.2}$(VIE)
NEIC Felt I=IV MM at Imst.
(244) Taiwan
ISC VI 01 06 31 21.7±.74 **24.45N**±.055 **121.54E**±.090 **6**±16 **10 0-1**
TAP VI 01 06 31 20.7 24.48N 121.53E 12 2.8L **¶97vi0033**
TAP Felt I=II J
(115) Near coast of Peru
ISC VI 01 17 15 02±1.6 **17.0S**±.22 **71.4W**±.15 **94**±9.7 **4.2b 17 1-147**
NEIC VI 01 17 15 03.7 16.93S 71.32W 100 3.9b **¶97vi0115**
EIDC VI 01 17 15 05.3 17.1S 71.3W 110 3.9b
NEIC Less reliable solution.
NEIC Felt I=III MM at Arequipa.
(162) South Island, New Zealand
ISC VI 02 01 09 41.6±.60 **45.17S**±.058 **167.20E**±.084 **66**±8.7 **4.1b 33 0-149**
WEL VI 02 01 09 42.8 45.23S 167.08E 57 4.6L **¶97vi0156**
NEIC VI 02 01 09 44.3 45.18S 167.17E 100 4.1b
EIDC VI 02 01 09 45.5 45.1S 167.2E 96 3.9b,3.4s
WEL Felt Mt Luxmore.
NEIC Less reliable solution.
(347) Western Iran
ISC VI 02 03 54 45.8±.96 **34.05N**±.067 **48.29E**±.037 **48**±8.6 **4.4b,3.8s 124 1-98**
MOS VI 02 03 54 42.0 33.9N 48.3E 25 4.9b **¶97vi0173**
NEIC VI 02 03 54 42.9 33.96N 48.29E 27 4.7b
BJI VI 02 03 54 43.1 33.68N 47.87E 45 4.6b,4.6s
EIDC VI 02 03 54 44.3 33.9N 48.2E 26 4.1b,3.8s
NEIC Felt in parts of Hamadan, Kermanshahan and Lorestan Provinces.
(377) Spain
ISC VI 02 05 21 48.7±.94 **37.43N**±.053 **2.21W**±.090 **0**±9.9 **17 0-4**
MDD VI 02 05 21 50.2 37.41N 2.21W 1 3.0 **¶97vi0187**
MDD Felt I=II−III MSK
NEIC Felt I=II−III MSK (after ETOR)
(73) El Salvador
ISC VI 02 23 29 21.8±.76 **13.36N**±.094 **89.4W**±.11 **82**±4.2 **4.1b 51 0-150**
NEIC VI 02 23 29 21.6 13.39N 89.25W 80 4.3b **¶97vi0352**
EIDC VI 02 23 29 23.5 13.5N 89.1W 78 3.9b
NEIC Less reliable solution.
NEIC Felt I=IV MM at San Salvador
(377) Spain
ISC VI 03 00 12 28±2.6 **42.7N**±.23 **7.3W**±.19 **24**±16 **6 0-3**
MDD VI 03 00 12 28.8 42.75N 7.28W 14 3.2 **¶97vi0356**
MDD Felt I=II MSK
NEIC Felt I=II MSK (after GUD)
(391) Albania
ISC VI 03 01 13 45.4±.47 **40.18N**±.024 **19.75E**±.022 **23**±5.1 **4.0b,**2.5s **172 0-123**
PDG VI 03 01 13 36.6 39.3N 19.5E 44 4.2L,4.1D **¶97vi0364**
ROM VI 03 01 13 36.8 40.0N 20.8E 10 4.1D
MOS VI 03 01 13 42.4 40.1N 19.6E 10 4.3b
NEIC VI 03 01 13 42.7 40.25N 19.95E 10 4.1b
ATH VI 03 01 13 42.8 40.24N 19.65E 5 4.3L
EIDC VI 03 01 13 43.0 40.2N 20.1E 0 4.0b,4.4L
TIR VI 03 01 13 44.3 40.13N 19.85E 15 4.2L
LDG VI 03 01 13 45.0 40.9N 20.6E 4.1L
THE VI 03 01 13 46.0 40.1N 19.9E 0 3.7L
TIR Felt I=I MSK Department of Tepelena
(244) Taiwan
ISC VI 03 08 34 48±1.4 **24.80N**±.087 **121.96E**±.065 **76**±18 **20 0-2**
TAP VI 03 08 34 47.6 24.83N 121.92E 77 4.0L **¶97vi0408**
JMA VI 03 08 34 47.7±.3 25.06N±.05 122.07E±.02 66±5
TAP Felt I=II J
(244) Taiwan
ISC VI 03 09 45 35.4±.95 **24.36N**±.049 **121.8E**±.12 **24**±9.8 **18 0-2**
TAP VI 03 09 45 35.2 24.40N 121.75E 25 3.5L **¶97vi0420**
TAP Felt I=II J
(186) Vanuatu (New Hebrides)
ISC VI 03 13 23 59±2.1 **17.37S**±.081 **167.85E**±.094 **18**±16 **4.6b,**3.3s **91 0-153**
EIDC VI 03 13 23 57.0 17.4S 167.9E 0 4.4b,3.3s **¶97vi0466**
NEIC VI 03 13 24 00.8 17.31S 167.75E 33
BJI VI 03 13 24 02.0 17.30S 167.80E 33 4.8b
MOS VI 03 13 24 02.5 17.3S 167.6E 33 5.1b
NEIC Single network solution.
NEIC Felt at Port-Vila.
(9) Fox Islands
ISC VI 03 20 01 27.0±.99 **53.10N**±.060 **169.71W**±.062 **95**±8.3 **4.5b 141 4-153**
EIDC VI 03 20 01 24.6 53.1N 169.7W 65 4.2b,3.2s **¶97vi0511**
BJI VI 03 20 01 26.3 53.15N 169.61W 106 4.6b
MOS VI 03 20 01 28.0 53.1N 169.6W 100 4.8b
NEIC VI 03 20 01 28.0 53.24N 169.75W 106 4.7b
NEIC Felt I=IV MM at Nikolski.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(546) Austria						
ISC	**VI 03 21 01 58.2**±.54	**47.76N**±.045	**15.74E**±.069	**0**		**20**	**1-4**
ISC	Felt I=IV MSK (after WTTA)						**¶97vi0512**
ISC	ML2.6(VKA), ML3.3(MOA), ML2.8(WTTA)						
	(1) Central Alaska						
ISC	**VI 04 00 22 46.4**±.98	**64.75N**±.089	**149.6W**±.18	**20**		**9**	**1-5**
NEIC	VI 04 00 22 46.2	64.81N	149.58W	20			**¶97vi0538**
NEIC	ML3.6(PMR), ML3.2(AEIC). Felt, After AEIC.						
NEIC	Felt at Fairbanks.						
	(383) Northwestern Balkan region						
ISC	**VI 04 02 54 51**±3.7	**45.3N**±.24	**14.5E**±.14	**6**±16		**7**	**0-1**
LJU	VI 04 02 54 50.1	45.2N	14.5E	12			**¶97vi0547**
ZAG	Felt in Rijeka (after RIY)						
	(383) Northwestern Balkan region						
ISC	**VI 04 03 17 21**±1.7	**45.3N**±.13	**14.59E**±.074	**5**		**11**	**0-3**
LJU	VI 04 03 17 19.9	45.2N	14.6E	5			**¶97vi0552**
ZAG	Felt in Rijeka (after RIY)						
	(383) Northwestern Balkan region						
ISC	**VI 04 04 49 00**±1.9	**45.3N**±.13	**14.54E**±.078	**1**		**8**	**0-1**
LJU	VI 04 04 48 59.9	45.3N	14.6E	1			**¶97vi0558**
ZAG	Felt in Rijeka (after RIY)						
	(244) Taiwan						
ISC	**VI 04 07 08 05.9**±.59	**24.42N**±.050	**121.97E**±.044	**17**±9.6		**26**	**0-3**
TAP	VI 04 07 08 05.8	24.45N	121.93E	7	4.2L		**¶97vi0571**
JMA	VI 04 07 08 06.0±.5	24.84N±.06	122.02E±.04	41	3.5		
BJI	VI 04 07 08 21.9	25.41N	120.61E	15	3.2L		
TAP	Felt I=III J, II Ilan						
	(377) Spain						
ISC	**VI 04 20 28 09.5**±.94	**42.89N**±.052	**7.13W**±.093	**29**±12		**19**	**1-8**
MDD	VI 04 20 28 10.4	42.82N	7.16W	16	3.5		**¶97vi0670**
LDG	VI 04 20 28 15.1	43.2N	6.8W		2.9L		
MDD	Felt I=III−IV MSK						
NEIC	Felt I=III−IV (after GUD)						
	(244) Taiwan						
ISC	**VI 05 00 42 52**±1.2	**22.62N**±.067	**120.2E**±.11	**37**±16		**17**	**0-3**
TAP	VI 05 00 42 52.4	22.64N	120.32E	37	4.1L		**¶97vi0692**
TAP	Felt I=II J Kaohsiung, Tainan, Shoushan						
	(159) North Island, New Zealand						
ISC	**VI 05 02 25 09**±3.1	**40.49S**±.081	**176.9E**±.35	**105**±24		**18**	**1-5**
WEL	VI 05 02 25 13.4	40.41S	176.78E	56	4.0L		**¶97vi0698**
WEL	Felt Napier.						
	(243) Taiwan region						
ISC	**VI 05 20 14 32**±1.6	**24.53N**±.049	**122.0E**±.14	**8**		**13**	**0-2**
TAP	VI 05 20 14 32.1	24.53N	121.97E	8	3.2L		**¶97vi0824**
TAP	Felt I=III J						
	(546) Austria						
ISC	**VI 05 20 22 57.4**±.40	**47.31N**±.017	**10.70E**±.022	**3**±3.6		**172**	**0-12**
NEIC	VI 05 20 22 56.9	47.34N	10.69E	5			**¶97vi0826**
MOS	VI 05 20 22 57.4	47.3N	10.8E	10	4.0S		
LEDBW	VI 05 20 22 57.9	47.22N	10.77E	15	4.4L		
LDG	VI 05 20 23 00.9	47.3N	10.6E		4.1L		
ROM	VI 05 20 23 01.8	47.1N	10.9E	5	3.9D		
SZGRF	VI 05 20 23 02.1	47.4N	10.8E	37	4.5L		
STR	VI 05 20 23 02.4	47.30N	10.50E	6	4.3L		
NEIC	ML4.4(CLL).						
LEDBW	Felt I=V MSK						
	(378) Pyrenees						
ISC	**VI 05 20 58 21.4**±.58	**42.74N**±.030	**2.13E**±.031	**12**±5.1		**80**	**0-8**
NEIC	VI 05 20 58 21.6	42.78N	2.16E	10			**¶97vi0829**
STR	VI 05 20 58 21.9	42.75N	2.01E	5	3.6L		
LDG	VI 05 20 58 22.3	42.7N	2.0E		3.8L		
FBR	VI 05 20 58 22.3	42.69N	2.02E	11	3.0D		
MDD	VI 05 20 58 22.6	42.71N	2.06E	8	3.6		
NEIC	Single network solution.						
NEIC	Felt I=III MM in the eastern Pyrenees.						
MDD	Felt I=II−III MSK, southwest Quillan, France						
	(377) Spain						
ISC	**VI 05 22 22 22.0**±.99	**42.81N**±.073	**7.2W**±.13	**12**		**8**	**0-3**
MDD	VI 05 22 22 23.3	42.79N	7.23W	12	3.5		**¶97vi0838**
MDD	Felt I=II−III MSK						
	(244) Taiwan						
ISC	**VI 06 03 08 11**±4.7	**24.4N**±.16	**122.0E**±.31	**11**±21		**6**	**0-1**
TAP	VI 06 03 08 11.3	24.42N	121.93E	15	2.8L		**¶97vi0872**
TAP	Felt I=II J						
	(546) Austria						
ISC	**VI 06 03 20 28.6**±.82	**47.25N**±.051	**10.8E**±.11	**8**±13		**18**	**0-3**
NEIC	VI 06 03 20 29.0	47.06N	10.85E	10			**¶97vi0874**
ISC	Felt I=III−IV MSK (after WTTA)						
ISC	ML2.5(MOTA), ML3.1(MOA), ML1.9(WATA)						
NEIC	Less reliable solution.						
	(377) Spain						
ISC	**VI 06 12 16 53**±1.2	**37.19N**±.098	**3.6W**±.12	**7**±15		**5**	**0-2**
MDD	VI 06 12 16 53.8	37.19N	3.63W	2	2.6		**¶97vi0936**
ISC	Poorly determined						
MDD	Felt I=II MSK						
	(243) Taiwan region						
ISC	**VI 06 15 33 06.3**±.79	**24.81N**±.053	**122.06E**±.047	**9**±6.3	**3.9b**	**25**	**0-59**
TAP	VI 06 15 33 06.3	24.79N	122.01E	5	3.8L		**¶97vi0949**
JMA	VI 06 15 33 07.6±.3	25.11N±.03	122.20E±.02	28	3.5		
EIDC	VI 06 15 33 08.2	24.8N	123.8E	0	3.8b		
TAP	Felt I=II J						
	(244) Taiwan						
ISC	**VI 06 15 46 56**±1.0	**24.44N**±.049	**121.8E**±.12	**7**±12		**11**	**0-1**
TAP	VI 06 15 46 56.0	24.46N	121.78E	8	2.7L		**¶97vi0955**
TAP	Felt I=IV J						
	(546) Austria						
ISC	**VI 06 21 46 35.6**±.58	**47.28N**±.043	**10.81E**±.065	**10**		**15**	**0-3**
NEIC	VI 06 21 46 40.2	47.17N	10.32E	10			**¶97vi1000**
ISC	Felt I=III MSK at Imst (after WTTA)						
NEIC	Less reliable solution.						
	(244) Taiwan						
TAP	**VI 07 00 08 31.0**	**24.45N**	**121.76E**	**3**	**1.8L**		**¶97vi1016**
TAP	Felt I=III J						
	(243) Taiwan region						
ISC	**VI 07 02 02 24.8**±.94	**22.59N**±.042	**121.14E**±.073	**11**±7.0		**21**	**0-3**
TAP	VI 07 02 02 25.0	22.61N	121.07E	20	4.2L		**¶97vi1027**
TAP	Felt I=II J Taitung						
	(546) Austria						
ISC	**VI 07 03 53 14.7**±.27	**47.30N**±.024	**10.70E**±.032	**10**		**78**	**0-8**
NEIC	VI 07 03 53 16.4	47.20N	10.44E	10			**¶97vi1037**
SZGRF	VI 07 03 53 17.7	47.3N	10.8E	15	3.1L		
ROM	VI 07 03 53 18.7	47.0N	10.8E	5	2.8D		
STR	VI 07 03 53 19.0	47.28N	10.46E	10	3.1L		
LDG	VI 07 03 53 19.7	47.3N	10.5E		2.9L		
NEIC	Felt I=III MM at Imst.						
	(244) Taiwan						
ISC	**VI 07 06 03 34**±1.3	**23.50N**±.091	**121.3E**±.16	**14**±15		**5**	**0-1**
TAP	VI 07 06 03 33.6	23.52N	121.28E	9	2.6L		**¶97vi1049**
ISC	Poorly determined						
TAP	Felt I=III J						
	(244) Taiwan						
ISC	**VI 07 06 52 59.8**±.91	**24.13N**±.059	**121.7E**±.12	**31**±6.4		**15**	**0-1**
TAP	VI 07 06 52 59.6	24.17N	121.64E	31	3.6L		**¶97vi1057**
TAP	Felt I=II J						
	(45) California-Mexico border region						
NEIC	**VI 07 16 26 08.9**	**32.26N**	**115.26W**	**6**			**2-2**
ECX	VI 07 16 26 09.8	32.45N	115.21W	3	3.4D		**¶97vi1120**
NEIC	ML2.9(PAS). Felt, After PAS.						
NEIC	Felt in the epicentral area.						
ECX	Felt in the Mexicali Valley						
	(48) Lower California						
ISC	**VI 07 23 20 11**±2.2	**32.0N**±.17	**115.72W**±.066	**6**		**24**	**1-7**
NEIC	VI 07 23 20 10.5	31.88N	115.78W	6			**¶97vi1156**
ECX	VI 07 23 20 11.6	31.93N	115.75W	4	3.7D		
NEIC	ML3.2(PAS). Felt, After PAS.						
NEIC	Felt in the epicentral area.						
ECX	Felt southeast of La Laguna, Hanson						
	(159) North Island, New Zealand						
ISC	**VI 07 23 20 42.9**±.79	**40.12S**±.048	**176.4E**±.12	**126**±11	**4.0b**	**43**	**0-147**
EIDC	VI 07 23 20 41.6	39.8S	176.0E	0	4.1b		**¶97vi1157**
WEL	VI 07 23 20 46.7	40.06S	176.32E	80	4.8L		
WEL	Felt I=IV MM Patoka to Waitarere Beach						
	(377) Spain						
ISC	**VI 08 01 20 40**±1.0	**42.82N**±.080	**7.2W**±.13	**15**		**8**	**0-3**
MDD	VI 08 01 20 40.8	42.80N	7.24W	15	3.2		**¶97vi1161**
MDD	Felt I=II−III MSK						
	(88) Dominican Republic region						
ISC	**VI 08 01 29 42**±1.0	**18.8N**±.12	**69.6W**±.11	**106**±11	**3.9b**	**29**	**2-76**
NEIC	VI 08 01 29 41.8	18.88N	69.61W	98	3.9b		**¶97vi1162**
EIDC	VI 08 01 29 43.5	18.8N	69.6W	99	3.6b		
NEIC	MD4.3(MPR)						
NEIC	Felt strongly at Santo Domingo.						
	(244) Taiwan						
ISC	**VI 08 07 05 19**±1.5	**24.43N**±.045	**121.8E**±.14	**3**±12		**12**	**0-1**
TAP	VI 08 07 05 19.1	24.44N	121.83E	10	3.3L		**¶97vi1192**
TAP	Felt I=IV J						
	(243) Taiwan region						
ISC	**VI 08 07 27 10**±1.5	**24.43N**±.056	**122.15E**±.044	**13**±13		**21**	**0-2**
TAP	VI 08 07 27 11.2	24.44N	122.02E	12	3.9L		**¶97vi1196**
JMA	VI 08 07 27 11.4±.5	24.65N±.06	122.20E±.04	51	3.6		
TAP	Felt I=III J						
	(244) Taiwan						
TAP	**VI 08 08 08 31.5**	**24.41N**	**121.69E**	**3**	**1.8L**		**¶97vi1199**
TAP	Felt I=III J						
	(377) Spain						
ISC	**VI 08 13 13 59**±1.2	**38.40N**±.051	**1.18W**±.059	**21**±15		**32**	**1-9**
MDD	VI 08 13 13 59.4	38.37N	1.16W	3	3.5		**¶97vi1245**
LDG	VI 08 13 14 04.0	38.6N	1.2W		3.2L		
MDD	Felt I=II MSK						
	(139) Mendoza Province, Argentina						
ISC	**VI 08 18 05 00.7**±.35	**32.71S**±.058	**69.93W**±.071	**108**±4.7	**4.2b**	**58**	**1-163**
MOS	VI 08 18 04 59.4	32.5S	69.7W	87	4.5b		**¶97vi1272**
NEIC	VI 08 18 04 59.6	32.68S	69.77W	100	4.5b		
EIDC	VI 08 18 04 59.9	32.7S	69.8W	91	4.1b		
GUC	VI 08 18 05 01.8	32.70S	70.17W	109	4.6D		
NEIC	Felt I=II MM at Santiago, Chile.						
	(377) Spain						
ISC	**VI 08 23 55 37**±1.9	**42.81N**±.084	**7.2W**±.22	**6**		**4**	**0-1**
MDD	VI 08 23 55 38.2	42.81N	7.21W	6	3.3		**¶97vi1301**
ISC	Poorly determined						
MDD	Felt I=II−III MSK						
	(243) Taiwan region						
ISC	**VI 09 07 48 31**±2.2	**24.41N**±.059	**122.0E**±.19	**11**±10		**13**	**0-2**
TAP	VI 09 07 48 31.8	24.46N	121.86E	16	3.5L		**¶97vi1356**
TAP	Felt I=II J						
	(135) Near coast of Central Chile						
ISC	**VI 09 14 45 29.2**±.63	**31.90S**±.045	**71.53W**±.075	**68**±6.9	**4.5b**	**120**	**1-170**
NEIC	VI 09 14 45 28.5	31.89S	71.63W	62	4.9b		**¶97vi1411**
EIDC	VI 09 14 45 29.0	31.9S	71.4W	52	4.3b,4.3s		
HRVD	VI 09 14 45 29.6±.6	32.08S±.08	71.83W±.08	67±8.1			
BJI	VI 09 14 45 29.6	32.13S	71.88W	64			
GUC	VI 09 14 45 30.3	32.02S	71.63W	43	5.0D		
MOS	VI 09 14 45 34.2	32.2S	70.6W	84	5.0b		
NEIC	Mw5.2(HRV)						
NEIC	Felt I=V MM at Salamanca; IV MM at Illapel and Panquehue; III MM at Concon, La Ligua, Los Andes, Papudo, Quillota, Quintero, San Felipe, Santiago, Valparaiso, Ventanas, Vina del Mar and Zapallar.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.05±.41; $M_{\theta\theta}$−0.14±.79; $M_{\phi\phi}$1.19±.58; $M_{r\theta}$−0.84±.61; $M_{r\phi}$−4.72±.35; $M_{\theta\phi}$4.08±.55. Principal Axes: T 6.96,Plg29°,Azm123°; N −1.34,Plg38°,Azm7°; P −5.62,Plg38°,Azm239°. Best double couple: $M_0$6.3×10^{16}Nm, NP1: ϕ_s266°,δ39°,λ−9°. NP2:ϕ_s3°,δ85°,λ−129°.						
	(244) Taiwan						
ISC	**VI 10 01 58 37.2**±.59	**24.60N**±.037	**121.22E**±.058	**3**		**14**	**0-2**
TAP	VI 10 01 58 36.2	24.59N	121.19E	3	3.6L		**¶97vi1464**
TAP	Felt I=II J						
	(201) West Irian						
ISC	**VI 10 03 58 09**±4.5	**4.09S**±.057	**138.79E**±.079	**15**±29	**4.6b,4.1s**	**45**	**2-159**
NEIC	VI 10 03 58 11.6	4.12S	138.76E	33	4.7b,4.3s		**¶97vi1476**
BJI	VI 10 03 58 12.1	4.30S	138.77E	29	4.5b		
MOS	VI 10 03 58 13.2	4.3S	138.7E	33	5.3b		
EIDC	VI 10 03 58 14.1	4.1S	138.7E	35	4.1b,4.0s		
NEIC	Less reliable solution.						
NEIC	Felt strongly at Wamena.						
	(244) Taiwan						
ISC	**VI 10 06 13 45**±2.5	**24.3N**±.13	**121.8E**±.27	**15**		**4**	**0-1**
TAP	VI 10 06 13 44.3	24.38N	121.75E	15	2.5L		**¶97vi1484**
ISC	Poorly determined						
TAP	Felt I=III J						

(243) Taiwan region

ISC	**VI**	**10 14 04 38**±1.1	**21.73N**±.052	**121.07E**±.077	**20**±8.3	**3.9b,**3.7s	**35**	**0-85**	
TAP	VI	10 14 04 38.8	21.81N	121.03E	12	4.2L			**¶97vi1531**
NEIC	VI	10 14 04 39.5	21.71N	121.09E	33				
BJI	VI	10 14 04 40.2	21.49N	120.84E	39	4.0L,4.2b			
EIDC	VI	10 14 04 47.1	21.8N	121.1E	92	3.5b,3.9L			
TAP	Felt I=II J Henchung								
BJI	Ms4.2								

(43) Southern California

ISC	**VI**	**10 20 40 23.8**±.70	**34.39N**±.036	**118.48W**±.048	**4**±6.6		**26**	**0-3**	
NEIC	VI	10 20 40 24.7	34.41N	118.45W	5				**¶97vi1565**
NEIC	M_L2.7(PAS). Felt, After PAS.								

(459) Yellowstone National Park, Wyoming

ISC	**VI**	**11 01 35 16.4**±.45	**44.76N**±.037	**110.81W**±.071	**5**		**30**	**1-7**	
NEIC	VI	11 01 35 16.1	44.76N	110.81W	5				**¶97vi1602**
NEIC	M_L3.9(BUT), M_L3.3(GS). Felt.								

(244) Taiwan

ISC	**VI**	**11 04 23 51**±1.1	**24.01N**±.059	**121.6E**±.11	**18**		**13**	**0-2**	
TAP	VI	11 04 23 50.2	24.03N	121.61E	18	3.9L			**¶97vi1613**
TAP	Felt I=II J Hwalien								

(99) Northern Colombia

ISC	**VI**	**11 07 07 37.2**±.37	**6.75N**±.035	**73.01W**±.027	**163**±4.5	**4.7b**	**199**	**1-154**	
BJI	VI	11 07 07 37.2	7.14N	73.36W	151				**¶97vi1634**
NEIC	VI	11 07 07 37.5	6.72N	73.12W	166	4.9b			
MOS	VI	11 07 07 38.1	6.8N	73.0W	169	4.9b			
EIDC	VI	11 07 07 38.4	6.7N	73.1W	160	4.3b,3.2s			
NEIC	Felt throughout northern and central Colombia.								

(244) Taiwan

ISC	**VI**	**11 12 41 00.4**±.75	**24.39N**±.038	**121.73E**±.076	**14**±6.3	**3.6b**	**26**	**0-59**	
TAP	VI	11 12 40 57.8	24.38N	122.05E	24	4.3L			**¶97vi1690**
BJI	VI	11 12 40 58.3	24.64N	121.80E	12	3.4L			
EIDC	VI	11 12 41 05.3	24.1N	122.6E	0	3.5b,3.7L			
TAP	Felt I=II J								

(99) Northern Colombia

ISC	**VI**	**11 19 11 01.8**±.41	**6.74N**±.038	**72.99W**±.028	**165**±4.8	**4.9b**	**251**	**1-155**	
BJI	VI	11 19 11 01.5	7.06N	72.81W	152				**¶97vi1736**
NEIC	VI	11 19 11 01.6	6.73N	73.00W	164	4.9b			
EIDC	VI	11 19 11 02.2	6.8N	73.0W	151	4.8b,3.9s			
MOS	VI	11 19 11 02.3	6.8N	73.0W	161	5.3b			
NEIC	Felt strongly by people in high−rise buildings at Bogota. Felt throughout Colombia.								

(244) Taiwan

ISC	**VI**	**11 22 00 33**±1.1	**23.29N**±.049	**120.42E**±.070	**15**±11		**14**	**0-2**	
TAP	VI	11 22 00 32.3	23.27N	120.45E	7	3.7L			**¶97vi1759**
TAP	Felt I=II J								

(244) Taiwan

ISC	**VI**	**12 00 11 01.8**±.73	**23.84N**±.061	**120.74E**±.073	**20**±11		**11**	**0-1**	
TAP	VI	12 00 11 01.1	23.85N	120.76E	24	3.5L			**¶97vi1774**
TAP	Felt I=IV J								

(244) Taiwan

ISC	**VI**	**12 06 00 40**±2.9	**24.2N**±.11	**121.9E**±.32	**19**		**8**	**0-6**	
TAP	VI	12 06 00 40.3	24.23N	121.78E	19	3.1L			**¶97vi1806**
TAP	Felt I=II J								

(538) France

ISC	**VI**	**13 00 13 18.8**±.60	**43.15N**±.042	**0.25E**±.048	**11**±6.6		**24**	**0-4**	
LDG	VI	13 00 13 19.9	43.0N	0.2E		2.9L			**¶97vi1908**
MDD	VI	13 00 13 20.0	43.12N	0.23E	4	3.0			
NEIC	VI	13 00 13 20.6	43.02N	0.18E	10				
NEIC	mbLg3.1(MDD)								
NEIC	Felt I=I MM at Cauterets.								

(25) Vancouver Island region

ISC	**VI**	**13 13 44 36.4**±.64	**49.26N**±.035	**123.64W**±.044	**12**±6.6		**52**	**0-4**	
NEIC	VI	13 13 44 37.3	49.24N	123.62W	4				**¶97vi1997**
PGC	VI	13 13 44 37.3	49.2N	123.6W	3	3.4L			
PGC	Strait of Georgia, British Columbia. Felt I=III−IV along the Sunshine Coast north of Vancouver and in the Ladysmith − Chemainus area on eastern Vancouver Island. Also felt throughout the greater Vancouver area and from Parksville to Victoria on Vancouver Island. There have been no reports of damage.								

(377) Spain

ISC	**VI**	**13 14 23 12**±1.3	**42.82N**±.096	**7.2W**±.15	**21**±20		**7**	**0-4**	
MDD	VI	13 14 23 12.2	42.82N	7.22W	11	3.4			**¶97vi2004**
MDD	Felt I=II−III MSK								
NEIC	Felt I=III−IV (after GUD)								

(376) Portugal

ISC	**VI**	**13 18 50 54**±1.7	**38.75N**±.032	**7.54W**±.052	**9**±14		**38**	**1-9**	
NEIC	VI	13 18 50 54.1	38.82N	7.43W	10				**¶97vi2025**
MDD	VI	13 18 50 55.0	38.72N	7.56W	2	3.4			
LIS	VI	13 18 50 55	38.72N	7.55W	4	3.3L			
NEIC	mbLg3.2(MDD)								
NEIC	Felt I=III MM in the Redondo area.								
LIS	Felt I=II−III MM Borba, Bencatel								

(244) Taiwan

ISC	**VI**	**13 19 06 26.2**±.76	**23.74N**±.055	**121.45E**±.084	**18**		**16**	**0-2**	
TAP	VI	13 19 06 25.7	23.75N	121.43E	18	3.0L			**¶97vi2029**
TAP	Felt I=III J								

(376) Portugal

ISC	**VI**	**13 22 21 15.9**±.55	**38.72N**±.049	**7.49W**±.075	**2**		**17**	**1-4**	
LIS	VI	13 22 21 17	38.72N	7.58W		2.5L			**¶97vi2049**
MDD	VI	13 22 21 17.1	38.73N	7.56W	2	3.1			
NEIC	VI	13 22 21 20.2	38.65N	7.09W	10				
LIS	Felt I=II MM Borba								
NEIC	mbLg3.0(MDD), Single network solution.								

(43) Southern California

ISC	**VI**	**14 16 23 01.7**±.77	**34.27N**±.053	**118.46W**±.061	**12**±6.0		**24**	**0-3**	
NEIC	VI	14 16 23 02.4	34.28N	118.48W	10				**¶97vi2147**
NEIC	M_L2.8(PAS). Felt, After PAS.								
NEIC	Felt in the San Fernando Valley.								

(244) Taiwan

ISC	**VI**	**14 19 25 20.6**±.53	**23.86N**±.033	**121.76E**±.064	**39**±5.8	**3.9b,**4.4s	**48**	**0-99**	
TAP	VI	14 19 25 20.3	23.89N	121.70E	18	4.6L			**¶97vi2161**
NEIC	VI	14 19 25 26.5	23.91N	121.78E	100	3.8b			
BJI	VI	14 19 25 26.6	24.12N	121.51E	100	4.2b			
EIDC	VI	14 19 25 27.4	23.9N	121.7E	90	3.5b			
TAP	Felt I=III J Hwalien, I Chiawan, Tachien, Chengkung								
NEIC	Less reliable solution.								

(244) Taiwan

ISC	**VI**	**14 19 59 32.2**±.90	**24.42N**±.036	**121.8E**±.10	**8**±7.6		**19**	**0-2**	
TAP	VI	14 19 59 31.6	24.44N	121.74E	8	3.7L			**¶97vi2166**
TAP	Felt I=II J								

(29) Washington State

ISC	**VI**	**14 20 18 07.4**±.87	**48.11N**±.056	**121.7W**±.11	**12**±8.1		**12**	**0-3**	
NEIC	VI	14 20 18 07.5	48.12N	121.59W	8				**¶97vi2169**
NEIC	M_D2.7(SEA). Felt, After SEA.								
NEIC	Felt in the Darrington area.								

(244) Taiwan

ISC	**VI**	**14 20 19 45.2**±.86	**24.43N**±.036	**121.77E**±.098	**7**		**17**	**0-2**	
TAP	VI	14 20 19 44.5	24.45N	121.74E	7	3.5L			**¶97vi2170**
TAP	Felt I=II J								

(115) Near coast of Peru

ISC	**VI**	**14 22 43 58**±1.1	**17.59S**±.093	**70.60W**±.093	**109**±10	**4.2b**	**37**	**3-154**	
NEIC	VI	14 22 43 55.0	17.56S	70.78W	82	4.4b			**¶97vi2185**
EIDC	VI	14 22 43 58.2	17.6S	70.6W	93	4.0b			
NEIC	Less reliable solution.								
NEIC	Felt I=II MM at Arequipa.								

(459) Yellowstone National Park, Wyoming

ISC	**VI**	**15 01 48 51**±1.1	**44.74N**±.042	**110.85W**±.072	**4**±9.5		**20**	**0-6**	
NEIC	VI	15 01 48 50.9	44.73N	110.85W	5				**¶97vi2209**
NEIC	M_L3.0(GS). Felt.								

(459) Yellowstone National Park, Wyoming

ISC	**VI**	**15 02 50 25**±1.0	**44.74N**±.034	**110.86W**±.058	**6**±8.4	3.6b	**46**	**0-28**	
EIDC	VI	15 02 50 22.7	44.8N	110.7W	0	3.8L,3.7b			**¶97vi2221**
NEIC	VI	15 02 50 24.6	44.74N	110.86W	5				
NEIC	$M_{L3.9}$(BUT), $M_{L3.8}$(GS)								
NEIC	Felt at Old Faithful.								

(224) Hokkaido region

ISC	**VI**	**15 04 54 15.8**±.23	**42.96N**±.018	**144.12E**±.030	**101**±2.3	**5.3b**	**638**	**0-156**	
MOS	VI	15 04 54 14.2	43.4N	144.0E	71	6.0b			**¶97vi2242**
BJI	VI	15 04 54 14.9	43.20N	144.10E	95	5.2b			
NEIC	VI	15 04 54 15.6	43.06N	144.09E	97	5.3b			
SKHL	VI	15 04 54 16.0	43.0N±.08	144.1E±.17	94±5				
EIDC	VI	15 04 54 16.8	43.1N	144.0E	97	5.0b,3.6s			
JMA	VI	15 04 54 16.9±.2	42.97N±.01	144.21E±.01	98±2	5.1			
HRVD	VI	15 04 54 18.9±.3	43.10N±.03	143.67E±.05	99±3.8				
MOS	Felt I=III MSK at Yuzno−Kurilsk.								
NEIC	Mw5.3(HRV)								
NEIC	Felt I=III MM at Kunashir.								
SKHL	Felt I=III at Yuzhno−Kurilsk								
JMA	Felt I= IV J1								

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c55; Mantle waves: s12,c12; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.28; $M_{\theta\theta}$3.43±.49; $M_{\phi\phi}$−3.78±.53; $M_{r\theta}$8.16±.30; $M_{r\phi}$−2.31±.35; $M_{\theta\phi}$2.04±.45. Principal Axes: T 10.2,Plg40°,Azm0°; N −1.8,Plg25°,Azm113°; P −8.4,Plg40°,Azm226°. Best double couple: $M_0$9.3×10^{16}Nm, NP1:ϕ_S23°,δ25°,λ−180°. NP2:ϕ_S293°,δ90°,λ−65°.

(97) Near coast of Venezuela

ISC	**VI**	**15 05 05 44.0**±.83	**10.78N**±.050	**62.47W**±.085	**74**±5.7	**4.1b**	**59**	**1-146**	
TRN	VI	15 05 05 42.2	10.7N	62.6W	24	4.2D			**¶97vi2245**
NEIC	VI	15 05 05 45.2	10.86N	62.56W	86	4.3b			
EIDC	VI	15 05 05 46.4	10.9N	62.6W	80	3.8b,3.4s			
TRN	MD4.6 (after FDF). Felt I=II MM Bamboo and Curepe, Trinidad								

(244) Taiwan

ISC	**VI**	**16 01 27 30.0**±.89	**24.42N**±.044	**121.7E**±.11	**0**±15		**14**	**0-2**	
TAP	VI	16 01 27 29.0	24.45N	121.75E	9	3.0L			**¶97vi2386**
TAP	Felt I=IV J								

(459) Yellowstone National Park, Wyoming

ISC	**VI**	**16 02 33 08**±1.3	**44.74N**±.034	**110.85W**±.060	**13**±11	3.4b	**43**	**0-28**	
EIDC	VI	16 02 33 05.9	44.9N	110.4W	0	3.5L,3.5b			**¶97vi2390**
NEIC	VI	16 02 33 06.9	44.73N	110.86W	5				
NEIC	M_L4.3(BUT), M_L3.9(GS). Felt.								

(348) Iran

ISC	**VI**	**16 03 00 10.8**±.87	**33.30N**±.038	**60.21E**±.025	**55**±8.4	**4.9b,4.4s**	**296**	**5-140**	
BJI	VI	16 03 00 03.7	33.21N	60.12E	6	5.0b,4.9s			**¶97vi2393**
NEIC	VI	16 03 00 04.4	33.14N	60.15E	10	5.0b			
MOS	VI	16 03 00 05.5	33.3N	60.2E	10	5.3b,4.6s			
HRVD	VI	16 03 00 09.0±.8	33.29N±.09	60.07E±.08	15				
EIDC	VI	16 03 00 10.8	33.1N	60.1E	46	4.5b,4.1s			
NEIC	Mw5.0(HRV)								
NEIC	Some houses destroyed in the Birjand-Qayen area.								

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c31; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.25; $M_{\theta\theta}$−2.40±.27; $M_{\phi\phi}$−0.34±.30; $M_{r\theta}$−2.08±1.20; $M_{r\phi}$0.25±1.20; $M_{\theta\phi}$2.71±.32. Principal Axes: T 3.63,Plg62°,Azm153°; N 1.11,Plg23°,Azm296°; P −4.74,Plg15°,Azm33°. Best double couple: $M_0$4.2×10^{16}Nm, NP1: ϕ_S151°,δ36°,λ131°. NP2:ϕ_S284°,δ64°,λ64°.

(473) Pennsylvania

ISC	**VI**	**16 05 43 17**±2.0	**40.09N**±.081	**76.95W**±.099	**11**±17		**8**	**0-3**	
NEIC	VI	16 05 43 16.6	40.10N	76.97W	5				**¶97vi2406**
NEIC	M_D2.2(NED), mbLg1.9(GS). Less reliable solution.								
NEIC	Felt I=IV MM in the Franklintown area and III MM at Dillsburg.								

(243) Taiwan region

ISC	**VI**	**16 09 22 28.0**±.48	**24.34N**±.048	**122.03E**±.047	**31**		**20**	**0-2**	
TAP	VI	16 09 22 27.3	24.34N	121.96E	12	3.4L			**¶97vi2435**
JMA	VI	16 09 22 27.6±.8	24.91N±.07	122.18E±.06	31	3.0			
TAP	Felt I=III J								

(710) Pakistan

ISC	**VI**	**17 11 18 43.0**±.82	**30.12N**±.049	**68.02E**±.032	**48**±7.5	**4.6b,4.7s**	**178**	**1-145**	
NEIC	VI	17 11 18 41.2	30.12N	68.03E	33	4.9b,4.5s			**¶97vi2606**
BJI	VI	17 11 18 41.4	30.22N	68.05E	28	4.8b,4.9s			
MOS	VI	17 11 18 42.6	30.3N	68.2E	33	5.3b,4.8s			
EIDC	VI	17 11 18 43.4	30.1N	68.0E	37	4.1b,4.3s			
HRVD	VI	17 11 18 45.4±.5	29.72N±.05	68.07E±.05	33				
NEIC	Mw5.2(HRV)								
NEIC	Felt in the Harnai-Quetta-Sibi area.								

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c66; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.23±.21; $M_{\theta\theta}$−5.71±.29; $M_{\phi\phi}$0.48±.36; $M_{r\theta}$4.28±.63; $M_{r\phi}$0.41±.72; $M_{\theta\phi}$−1.54±.27. Principal Axes: T 6.71,Plg71°,Azm3°; N 0.79, Plg5°,Azm260°; P −7.50,Plg19°,Azm168°. Best double couple: $M_0$7.1×10^{16}Nm, NP1: ϕ_S250°,δ27°,λ80°. NP2:ϕ_S82°,δ64°,λ95°.

(244) Taiwan

ISC	**VI**	**17 11 33 11**±1.7	**23.6N**±.14	**120.37E**±.083	**7**±12		**7**	**0-1**	
TAP	VI	17 11 33 11.2	23.53N	120.42E	9	2.6L			**¶97vi2610**
TAP	Felt I=II J Chiayi								

(7) Andreanof Islands

ISC	**VI**	**17 21 03 40.5**±.11	**51.31N**±.024	**179.31W**±.025	**33**	**6.2b,6.2s**	**819**	**2-160**	
EIDC	VI	17 21 03 36.2	51.3N	179.2W	0	6.1b,6.1s			**¶97vi2690**
BJI	VI	17 21 03 39.4	51.34N	179.30W	33	6.1b,6.4s			
NEIC	VI	17 21 03 40.2	51.35N	179.33W	33	6.4b,6.3s			
MOS	VI	17 21 03 40.5	51.4N	179.3W	33	6.6b,6.2s			
HRVD	VI	17 21 03 44.7±.1	51.31N±.01	179.20W±.01	28				
NEIC	M_L6.6(PMR), Mw6.4(HRV)								
NEIC	Radiated energy from the P−wave first−motion solution: 2.2±0.4×10^{13}Nm/22								
NEIC	Mw 6.3 (GS), 6.3 (CSEM). Me 6.0 (GS). Felt I=IV MM on Adak. Also felt on Amchitka. Mo=3.1×10^{18}Nm (PPT).								

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S177°,δ73°,λ−90°. NP2:ϕ_S357°,δ17°,λ−90°. Principal axes: T Plg28°,Azm267°; P Plg62°,Azm87°. Depth from synthetics of

Agency Origin Time φ λ h Mag n Δ-Rng
mo d h m s ° ° km °
broadband displacement seismograms.
NEIC Moment tensor solution: s60, scale 10^{18}Nm; M_{rr}−1.18; $M_{\theta\theta}$−0.01; $M_{\phi\phi}$1.19; $M_{r\theta}$−0.54; $M_{r\phi}$2.43; $M_{\theta\phi}$−0.09. Depth 21km; Principal axes: T 2.76,Plg32°,Azm261°; N 0.00,Plg3°, Azm169°; P −2.76,Plg58°,Azm74°. Best double couple: $M_0$2.8×10^{18}Nm; NP1:ϕ_S3°,δ13°, λ−76°. NP2:ϕ_S168°,δ77°,λ−93°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s67,c166; Mantle waves: s54,c97; Half duration: 3s7. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.64±.01; $M_{\theta\theta}$−0.23±.01; $M_{\phi\phi}$1.87±.01; $M_{r\theta}$−0.17±.04; $M_{r\phi}$3.98±.04; $M_{\theta\phi}$−0.67±.01. Principal Axes: T 4.55,Plg33°,Azm261°; N −0.31,Plg7°,Azm355°; P −4.25,Plg57°,Azm96°. Best double couple: $M_0$4.4×10^{18}Nm, NP1:ϕ_S326°,δ14°,λ−120°. NP2:ϕ_S177°,δ78°,λ−83°.

(244) Taiwan

ISC VI 17 21 39 41±1.3 **23.07N**±.049 **121.5E**±.12 **19**±13 **14 0-1**
TAP VI 17 21 39 41.1 23.08N 121.47E 23 3.4L **¶97vi2693**
TAP Felt I=II J Chengkung

(132) Santiago del Estero Province, Argentina

ISC VI 17 22 14 17±1.3 **27.71S**±.035 **64.74W**±.038 **27**±9.6 **5.5b,5.4s 275 4-177**
NEIC VI 17 22 14 17.3 27.74S 64.75W 28 5.6b,5.5s **¶97vi2697**
BJI VI 17 22 14 18.2 27.58S 64.73W 37 5.9s
MOS VI 17 22 14 18.6 27.6S 64.8W 33 5.7b
EIDC VI 17 22 14 18.6 27.8S 64.9W 25 5.2b,5.1L
HRVD VI 17 22 14 23.4±.6 27.99S±.11 64.74W±.07 40±7.0
NEIC Mw5.6(HRV)
NEIC Minor damage in Tucuman Province. Felt in parts of Catamarca, Santiago del Estero and Tucuman Provinces.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c25; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}2.99±.27; $M_{\theta\theta}$−1.47±.47; $M_{\phi\phi}$−1.52±.30; $M_{r\theta}$1.88±.79; $M_{r\phi}$−0.16±.51; $M_{\theta\phi}$−0.06±.27. Principal Axes: T 3.69,Plg70°,Azm6°; N −1.53, Plg2°,Azm271°; P −2.16,Plg20°,Azm180°. Best double couple: $M_0$2.9×10^{17}Nm, NP1: ϕ_S267°,δ25°,λ86°. NP2:ϕ_S91°,δ65°,λ92°.

(244) Taiwan

ISC VI 18 02 03 30.7±.37 **23.96N**±.026 **121.78E**±.045 **53**±3.3 **4.6b,4.3s 116 0-99**
TAP VI 18 02 03 30.6 23.96N 121.83E 32 5.2L **¶97vi2713**
MOS VI 18 02 03 33.9 24.0N 121.8E 79 5.2b
NEIC VI 18 02 03 35.8 24.00N 121.86E 100 4.6b
EIDC VI 18 02 03 36.4 24.0N 121.8E 92 4.2b
BJI VI 18 02 03 38.8 24.40N 121.35E 100 4.6b
TAP Felt I=IV J Hwalien, III Chiawan, II Suao, Tachien, Ilan, Chengkung, Chiayi, I Yuli, Sun Moon Lake, Alishan, Taichung, Kuangyinshan
NEIC Felt at Taipei and throughout northern and eastern Taiwan.

(333) USSR-Mongolia border region

ISC VI 18 08 49 22±2.3 **51.18N**±.044 **98.07E**±.053 **7**±15 **4.2b,3.8s 77 2-98**
BJI VI 18 08 49 22.7 51.34N 98.00E 27 4.3b,4.6s **¶97vi2760**
NEIC VI 18 08 49 24.1 51.17N 98.22E 27 4.7b
MOS VI 18 08 49 24.9 51.2N 98.0E 33 4.9b,4.3s
EIDC VI 18 08 49 25.8 51.2N 98.4E 24 3.9b,4.2L
MOS Felt I=II MSK at Talaya.

(160) Off east coast of North Island, N.Z.

ISC VI 18 09 09 39±3.0 **38.29S**±.085 **178.7E**±.30 **36**±12 **4.4b 23 0-51**
WEL VI 18 09 09 42.9 38.22S 178.24E 12 4.5L **¶97vi2763**
EIDC VI 18 09 09 43.8 38.2S 177.4E 0 4.4b,3.6L
WEL Felt Tologa Bay.

(163) Cook Strait, New Zealand

ISC VI 19 08 55 05.6±.31 **41.22S**±.039 **174.44E**±.069 **59**±5.3 **4.9b**,3.3s **63 0-164**
EIDC VI 19 08 55 02.5 40.7S 174.7E 18 4.8b,3.7s **¶97vi2888**
NEIC VI 19 08 55 03.6 40.85S 174.47E 33 4.7b
MOS VI 19 08 55 06.1 40.9S 174.1E 33 4.8b
WEL VI 19 08 55 07.6 41.12S 174.51E 38 5.1L
NEIC Less reliable solution.
NEIC Felt from southern Taranaki on the North Island to the northern part of the South Island.
WEL Felt central North Island to Blenheim, maximum intensity I=V MM at Pinehaven.

(246) South-western Ryūkyū Islands

ISC VI 19 10 05 19.9±.41 **24.83N**±.031 **125.38E**±.029 **49**±3.6 **5.2b,4.5s 321 0-169**
BJI VI 19 10 05 18.6 24.76N 125.48E 50 4.7L,5.1b **¶97vi2893**
MOS VI 19 10 05 19.4 25.0N 125.4E 41 5.8b,4.6s
NEIC VI 19 10 05 19.9 24.85N 125.29E 49 5.3b,4.8s
HRVD VI 19 10 05 20.1±.5 24.71N±.07 125.41E±.11 46±7.4
JMA VI 19 10 05 20.2±.1 24.92N±.06 125.35E±.04 53 4.7
EIDC VI 19 10 05 21.6 24.9N 125.4E 52 4.7b,3.9s
BJI Ms4.5
NEIC Mw5.0(HRV).
NEIC Felt on Miyako-jima.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.88±.42; $M_{\theta\theta}$−2.87±.42; $M_{\phi\phi}$−0.02±.72; $M_{r\theta}$2.54±.89; $M_{r\phi}$0.14±.68; $M_{\theta\phi}$−1.63±.44. Principal Axes: T 3.90,Plg67°,Azm18°; N 0.49, Plg14°,Azm254°; P −4.39,Plg18°,Azm159°. Best double couple: $M_0$4.2×10^{16}Nm, NP1: ϕ_S228°,δ29°,λ61°. NP2:ϕ_S80°,δ65°,λ105°.
JMA Felt I= IV J1

(48) Lower California

ISC VI 19 11 21 50±1.3 **31.3N**±.11 **115.69W**±.068 **10** **4.0b**,3.7s **41 1-119**
EIDC VI 19 11 21 50.5 31.3N 115.7W 0 3.7L,3.9b **¶97vi2911**
NEIC VI 19 11 21 51.1 31.35N 115.64W 10 4.0b
ECX VI 19 11 21 51.6 31.27N 115.62W 12 4.1D
NEIC Felt in the epicentral area.
ECX Felt in the Trinidad Valley

(127) Chile-Argentina border region

ISC VI 19 12 21 03.1±.28 **33.16S**±.035 **70.09W**±.047 **104**±2.8 **5.3b 201 0-179**
MOS VI 19 12 21 02.7 33.1S 70.1W 99 5.3b **¶97vi2918**
NEIC VI 19 12 21 03.1 33.20S 70.14W 106 5.4b
BJI VI 19 12 21 03.6 33.38S 70.35W 112
GUC VI 19 12 21 04.1 33.17S 70.32W 104 5.0D
EIDC VI 19 12 21 05.0 33.1S 70.1W 111 5.0b,4.0s
HRVD VI 19 12 21 07.8±.2 33.15S±.03 70.19W±.04 116±2.0
NEIC Mw5.4(GS)
NEIC Mw 5.4 (HRV). Felt I=V MM at Santiago; IV MM at Punitaqui and Rancagua; III MM at Quillota and Valparaiso, Chile.
NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}−0.34; $M_{\theta\theta}$−0.12; $M_{\phi\phi}$0.46; $M_{r\theta}$−0.92; $M_{r\phi}$−1.12; $M_{\theta\phi}$0.00. Depth 105km; Principal axes: T 1.46,Plg38°,Azm117°; N 0.10,Plg11°, Azm216°; P −1.56,Plg50°,Azm319°. Best double couple: $M_0$1.5×10^{17}Nm; NP1:ϕ_S155°,δ12°, λ−152°. NP2:ϕ_S37°,δ84°,λ−79°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c62; Mantle waves: s4,c4; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.01±.32; $M_{\theta\theta}$−0.99±.50; $M_{\phi\phi}$8.00±.55; $M_{r\theta}$−5.12±.30; $M_{r\phi}$−9.76±.29; $M_{\theta\phi}$−1.32±.54. Principal Axes: T 12.9,Plg27°,Azm95°; N 1.0,Plg17°,Azm195°; P −13.9,Plg57°,Azm313°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S150°,δ24°,λ−137°. NP2:ϕ_S20°,δ74°,λ−72°.

(244) Taiwan

ISC VI 19 13 21 48±1.3 **24.43N**±.088 **121.7E**±.15 **8** **5 0-1**
TAP VI 19 13 21 47.4 24.44N 121.75E 8 2.1L **¶97vi2923**
TAP Felt I=III J

(73) El Salvador

ISC VI 19 14 35 36±1.0 **13.4N**±.19 **88.9W**±.23 **78**±6.8 **3.9b 21 0-147**
NEIC VI 19 14 35 35.6 13.18N 89.08W 75 4.2b **¶97vi2929**
EIDC VI 19 14 35 36.7 13.5N 88.7W 61 3.6b
NEIC Mb3.7(SSS). Poor solution.
NEIC Felt I=III MM at San Salvador.

(244) Taiwan

ISC VI 19 15 14 06.5±.94 **24.44N**±.053 **121.7E**±.11 **7**±13 **10 0-1**
TAP VI 19 15 14 05.7 24.44N 121.73E 10 2.8L **¶97vi2932**
TAP Felt I=IV J

(139) Mendoza Province, Argentina

ISC VI 19 16 02 43.7±.33 **32.67S**±.051 **69.80W**±.069 **111**±4.5 **4.5b 53 1-165**
NEIC VI 19 16 02 44.0 32.77S 69.88W 118 5.1b **¶97vi2938**
MOS VI 19 16 02 44.2 32.8S 69.8W 113 5.2b
GUC VI 19 16 02 44.4 32.63S 70.07W 115 4.7D
EIDC VI 19 16 02 45.5 32.7S 69.8W 119 4.5b
NEIC Felt I=IV MM at Los Andes; III MM at San Felipe and Santiago; II MM at Choapa and Valparaiso, Chile.

(219) Off east coast of Kamchatka

ISC VI 19 22 45 33±1.5 **51.40N**±.045 **159.46E**±.059 **30**±10 **4.8b,5.1s 234 1-146**
MOS VI 19 22 45 32.0 51.4N 159.5E 27 5.3b,5.2s **¶97vi2968**
BJI VI 19 22 45 32.2 51.55N 159.29E 28 5.2b,5.3s
NEIC VI 19 22 45 32.6 51.42N 159.41E 30 5.0b,4.9s
KRSC VI 19 22 45 32.9 51.37N 159.74E 27 5.2b
EIDC VI 19 22 45 35.0 51.5N 159.3E 31 4.3b,4.5s
HRVD VI 19 22 45 38.1±1.0 51.30N±.08 159.97E±.12 15
MOS Felt I=II MSK at Petropavlovsk−Kamchatskiy.
NEIC Mw5.1(HRV)
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c36; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}4.87±.35; $M_{\theta\theta}$−2.43±.45; $M_{\phi\phi}$−2.43±.40; $M_{r\theta}$1.89±1.21; $M_{r\phi}$−0.08±1.10; $M_{\theta\phi}$−3.08±.52. Principal Axes: T 5.42,Plg72°,Azm24°; N 0.25,Plg16°,Azm229°; P −5.67,Plg7°,Azm137°. Best double couple: $M_0$5.6×10^{16}Nm, NP1: ϕ_S209°,δ40°,λ64°. NP2:ϕ_S61°,δ54°,λ110°.

(244) Taiwan

ISC VI 19 22 53 00±1.0 **24.44N**±.041 **121.8E**±.11 **6** **14 0-2**
TAP VI 19 22 52 59.3 24.45N 121.76E 6 3.3L **¶97vi2970**
TAP Felt I=IV J

(244) Taiwan

ISC VI 19 23 26 51.2±.80 **24.42N**±.039 **121.75E**±.090 **9** **16 0-1**
TAP VI 19 23 26 50.3 24.43N 121.75E 9 3.2L **¶97vi2976**
TAP Felt I=IV J

(244) Taiwan

ISC VI 19 23 46 40.3±.97 **24.42N**±.045 **121.8E**±.11 **9** **12 0-1**
TAP VI 19 23 46 39.6 24.44N 121.74E 9 3.1L **¶97vi2978**
TAP Felt I=IV J

(244) Taiwan

ISC VI 19 23 47 15±1.2 **24.43N**±.074 **121.7E**±.13 **8** **6 0-1**
TAP VI 19 23 47 14.2 24.44N 121.72E 8 2.5L **¶97vi2979**
TAP Felt I=III J

(244) Taiwan

ISC VI 20 00 21 10±1.3 **24.41N**±.069 **121.7E**±.15 **4**±20 **8 0-1**
TAP VI 20 00 21 09.2 24.44N 121.75E 9 2.6L **¶97vi2982**
TAP Felt I=III J

(244) Taiwan

ISC VI 20 00 21 39±1.4 **24.42N**±.078 **121.7E**±.15 **9** **5 0-1**
TAP VI 20 00 21 38.5 24.44N 121.75E 9 2.7L **¶97vi2983**
TAP Felt I=IV J

(38) Off coast of California

ISC VI 20 04 35 43.3±.70 **32.97N**±.060 **118.04W**±.050 **6** **4.3b**,4.5s **81 1-148**
NEIC VI 20 04 35 40.5 32.68N 118.11W 6 4.3b **¶97vi3014**
EIDC VI 20 04 35 43.0 32.8N 118.0W 0 4.4b,3.9s
MOS VI 20 04 35 47.1 33.3N 118.1W 10 5.3b
NEIC Mw4.8(BRK), M_L4.7(PAS). Felt, After PAS.
NEIC ML 4.6 (BRK). Felt at San Diego and on Santa Catalina Island. Also felt along the coast of Orange County.

(244) Taiwan

ISC VI 20 05 10 20±2.1 **23.8N**±.15 **121.4E**±.24 **16** **4 0-1**
TAP VI 20 05 10 19.4 23.82N 121.39E 16 2.5L **¶97vi3017**
ISC Poorly determined
TAP Felt I=III J

(244) Taiwan

ISC VI 20 05 13 04±2.6 **24.5N**±.11 **121.7E**±.30 **9** **6 0-1**
TAP VI 20 05 13 02.1 24.46N 121.76E 9 2.7L **¶97vi3018**
TAP Felt I=IV J

(38) Off coast of California

ISC VI 20 05 38 57±1.2 **32.87N**±.098 **118.06W**±.085 **6** **3.9b**,4.5s **37 1-79**
NEIC VI 20 05 38 55.0 32.69N 118.14W 6 3.9b **¶97vi3019**
EIDC VI 20 05 39 01.2 33.0N 117.7W 0 4.0b,3.5L
NEIC M_L4.2(PAS). Felt, After PAS.

(38) Off coast of California

ISC VI 20 08 04 14.3±.93 **32.72N**±.074 **118.11W**±.062 **6** **3.9b** **54 1-145**
NEIC VI 20 08 04 13.6 32.63N 118.15W 6 4.0b **¶97vi3025**
EIDC VI 20 08 04 15.5 32.7N 118.0W 0 3.9b,3.4s
NEIC M_L4.6(PAS). Felt I=IV MM, After PAS.
NEIC Felt I=IV MM at San Diego and III MM at Pacific Beach. Also felt along the coast of Orange County.

(348) Iran

ISC VI 20 12 57 36.2±.71 **32.33N**±.036 **60.02E**±.022 **35**±7.0 **4.9b,5.4s 291 6-140**
EIDC VI 20 12 57 31.5 32.1N 59.9E 0 4.7b,5.1s **¶97vi3061**
MOS VI 20 12 57 31.7 32.2N 60.0E 10 5.4b,5.3s
BJI VI 20 12 57 31.9 32.40N 59.97E 8 5.0b,5.6s
NEIC VI 20 12 57 32.3 32.33N 59.96E 10 5.0b,5.4s
HRVD VI 20 12 57 35.7±.2 32.19N±.03 59.97E±.03 15
NEIC Mw5.6(HRV)
NEIC Sixty houses destroyed in Khorasan Province.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c83; Mantle waves: s3,c4; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.20±.04; $M_{\theta\theta}$0.86±.06; $M_{\phi\phi}$−0.66±.05; $M_{r\theta}$−0.10±.17; $M_{r\phi}$0.03±.17; $M_{\theta\phi}$2.30±.04. Principal Axes: T 2.52,Plg1°,Azm144°; N −0.20,Plg87°,Azm268°; P −2.32,Plg2°,Azm54°. Best double couple: $M_0$2.4×10^{17}Nm, NP1:ϕ_S189°,δ87°,λ−179°. NP2:ϕ_S99°,δ89°,λ−3°.

(447) Southern Québec Province

ISC VI 20 13 52 50±1.2 **46.73N**±.055 **75.00W**±.069 **4**±10 **23 1-10**
OTT VI 20 13 52 52.2 46.6N 75.0W 18 3.4N **¶97vi3071**
OTT Western Quebec seismic zone. Felt at Ste.−Veronique, Quebec and in the municipalities in the surrounding Nominingue and Chute−St−Philippe areas, 36 km east from Mont−Laurier, Quebec

(163) Cook Strait, New Zealand

ISC VI 20 15 36 32.3±.30 **41.19S**±.034 **174.39E**±.058 **49**±4.9 **4.8b,4.0s 96 0-178**
BJI VI 20 15 36 30.0 41.28S 174.56E 48 **¶97vi3077**
EIDC VI 20 15 36 30.3 40.8S 174.6E 23 5.0b,4.0s
NEIC VI 20 15 36 31.8 41.10S 174.27E 37 4.8b

MOS VI 20 15 36 32.6 40.9S 174.2E 33 5.0b
WEL VI 20 15 36 34.1 41.15S 174.50E 34 5.4L
NEIC Felt at Wanganui and along the southwestern coast of the North Island.
WEL Felt Kakahi to Blenheim, maximum intensity I=V MM at Pinehaven.

(48) Lower California

ISC VI 20 20 41 03±4.6 **31.8N**±.27 **116.11W**±.088 **17**±20 **22 1-5**
NEIC VI 20 20 41 02.3 31.79N 116.24W 6 **¶97vi3112**
ECX VI 20 20 41 03.0 31.85N 116.20W 16 3.8D
NEIC ML3.7(PAS). Felt, After PAS.
NEIC Felt in the epicentral area.
ECX Felt in the Ojos Negros Valley

(45) California-Mexico border region

ECX VI 20 22 56 25.6 32.54N 115.49W 11 3.3D ¶97vi3119
ECX Felt Mexicali area

(377) Spain

ISC VI 20 23 41 36±2.5 **42.8N**±.21 **7.3W**±.17 **15 6 0-3**
MDD VI 20 23 41 37.3 42.71N 7.34W 15 3.0 **¶97vi3122**
MDD Felt I=II MSK
NEIC Felt I=II MSK (after GUD)

(377) Spain

ISC VI 21 06 30 33±1.2 **42.81N**±.074 **7.1W**±.16 **9 7 0-3**
MDD VI 21 06 30 34.3 42.78N 7.22W 9 3.1 **¶97vi3166**
MDD Felt I=II−III MSK
NEIC Felt I=III MSK (after GUD)

(163) Cook Strait, New Zealand

ISC VI 21 06 44 19.8±.67 **41.22S**±.054 **174.48E**±.078 **47**±16 **20 0-4**
WEL VI 21 06 44 20.8 41.16S 174.52E 38 3.8L **¶97vi3170**
WEL Felt I=IV MM Tawa, Wellington

(348) Iran

ISC VI 21 08 45 29±3.9 **33.1N**±.11 **60.11E**±.057 **23**±27 **4.2b,3.7s 48 5-90**
BJI VI 21 08 45 26.1 33.18N 59.94E 13 4.6b,4.5s **¶97vi3185**
MOS VI 21 08 45 26.5 33.0N 60.3E 10 4.7b
NEIC VI 21 08 45 26.5 33.15N 60.15E 10 4.5b
EIDC VI 21 08 45 26.9 33.1N 60.2E 0 4.2b,4.1L
NEIC Felt in Khorasan Province.

(1) Central Alaska

ISC VI 21 17 43 30.5±.27 **62.04N**±.024 **148.44W**±.050 **62**±8.5 **88 0-16**
NEIC VI 21 17 43 31.8 62.04N 148.44W 45 **¶97vi3259**
NEIC ML3.7(AEIC), ML3.5(PMR). Felt I=II MM, After AEIC.
NEIC Felt I=II MM at Palmer.

(244) Taiwan

ISC VI 21 22 05 23±1.5 **24.17N**±.061 **121.8E**±.16 **14 11 0-2**
TAP VI 21 22 05 23.3 24.26N 121.69E 14 2.8L **¶97vi3280**
TAP Felt I=II J

(348) Iran

ISC VI 21 22 21 21.2±.34 **33.03N**±.060 **60.23E**±.044 **10 4.3b,4.1s 89 5-90**
MOS VI 21 22 21 20.4 32.9N 60.2E 10 4.8b,4.4s **¶97vi3281**
NEIC VI 21 22 21 20.4 32.94N 60.19E 10 4.5b
BJI VI 21 22 21 20.6 33.18N 60.09E 4 4.3b,4.4s
EIDC VI 21 22 21 31.7 33.0N 60.1E 89 4.0b,3.9s
NEIC Felt in Khorasan Province.

(135) Near coast of Central Chile

ISC VI 21 23 18 07.6±.96 **32.16S**±.063 **71.6W**±.12 **70**±10 **3.9b 27 1-75**
NEIC VI 21 23 18 07.0 32.05S 71.46W 50 **¶97vi3286**
GUC VI 21 23 18 08.3 32.23S 71.61W 45 4.3D
EIDC VI 21 23 18 08.4 32.2S 71.2W 44 4.3b,4.4L
NEIC Felt I=IV MM at Illapel; III MM at Los Vilos and Papudo; II MM at Limache, Puchuncavi, Quillota, San Felipe, Ventanas and Zapallar.

(7) Andreanof Islands

ISC VI 22 07 24 34.2±.98 **51.57N**±.057 **178.34W**±.041 **57**±8.6 **4.7b,4.1s 186 1-160**
HRVD VI 22 07 24 29.5±.1 51.34N±.01 178.01W±.02 58±1.1 **¶97vi3340**
BJI VI 22 07 24 30.4 51.42N 178.33W 34 5.0b,4.6s
NEIC VI 22 07 24 31.2 51.57N 178.41W 33 4.9b,4.2s
MOS VI 22 07 24 31.5 51.5N 178.3W 33 5.1b,4.3s
EIDC VI 22 07 24 34.5 51.5N 178.2W 49 4.2b,3.2s
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c22; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.31; $M_{\theta\theta}$−2.77±.38; $M_{\phi\phi}$0.12±.42; $M_{r\theta}$4.05±.59; $M_{r\phi}$2.40±.63; $M_{\theta\phi}$−1.41±.59. Principal Axes: T 5.27,Plg61°,Azm322°; N 0.63, Plg5°,Azm62°; P −5.90,Plg29°,Azm154°. Best double couple: $M_0$5.6×10^{16}Nm, NP1:ϕ_S259°, δ17°,λ109°. NP2:ϕ_S60°,δ74°,λ84°.
NEIC Mw5.1(HRV), ML5.0(PMR)
NEIC Felt I=III MM on Adak.

(243) Taiwan region

ISC VI 22 09 36 03.7±.57 **21.96N**±.023 **121.46E**±.037 **24**±4.0 **4.9b,4.8s 216 0-123**
HRVD VI 22 09 36 03.8±.7 21.83N±.09 121.64E±.10 46±6.7 **¶97vi3364**
TAP VI 22 09 36 04.1 22.17N 121.38E 2 5.4L
BJI VI 22 09 36 04.3 22.06N 121.48E 28 4.9L,4.8b
NEIC VI 22 09 36 04.4 21.94N 121.50E 33 5.2b,4.9s
MOS VI 22 09 36 05.2 21.9N 121.3E 33 5.3b,4.7s
EIDC VI 22 09 36 06.8 21.9N 121.5E 36 4.4b,4.2s
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.55±.45; $M_{\theta\theta}$2.69±.61; $M_{\phi\phi}$−6.24±.80; $M_{r\theta}$−4.31±.79; $M_{r\phi}$0.76±.91; $M_{\theta\phi}$−3.09±.47. Principal Axes: T 7.95,Plg45°,Azm196°; N −0.71,Plg45°,Azm22°; P −7.24,Plg3°,Azm289°. Best double couple: $M_0$7.6×10^{16}Nm, NP1: ϕ_S342°,δ57°,λ33°. NP2:ϕ_S233°,δ63°,λ143°.
TAP Felt I=IV J Lanyu, III Kaohsiung, II Hsinchu, I Taitung, Shoushan, Alishan, Chiayi
BJI Ms4.8
NEIC Mw5.2(HRV).

(538) France

ISC VI 22 16 50 15.3±.50 **49.13N**±.052 **2.14W**±.072 **20**±6.0 **35 0-7**
NEIC VI 22 16 50 15.0 49.08N 2.02W 10 **¶97vi3413**
BGS VI 22 16 50 16.3 49.25N 2.28W 11 2.2L
LDG VI 22 16 50 16.4 49.2N 2.3W 3.4L
STR VI 22 16 50 18.3 49.23N 2.11W 13 3.0L
NEIC Single network solution.
BGS Felt I=IV MSK, Jersey, Channel Islands

(244) Taiwan

ISC VI 22 19 44 29±1.3 **24.44N**±.092 **121.8E**±.16 **9**±22 **6 0-1**
TAP VI 22 19 44 29.2 24.44N 121.74E 9 2.3L **¶97vi3427**
TAP Felt I=III J

(45) California-Mexico border region

ISC VI 23 07 57 29±1.3 **32.81N**±.080 **115.6W**±.11 **16 19 0-4**
NEIC VI 23 07 57 27.2 32.73N 115.43W 16 **¶97vi3495**
ECX VI 23 07 57 29.1 32.76N 115.57W 10 3.5D
NEIC ML3.5(PAS), MD3.5(ECX). Felt, After PAS.
NEIC Felt in the Imperial Valley, California. Also felt in the area north of Mexicali, Mexico.
ECX Felt in the Imperial Valley and the Mexicali area

(76) Off coast of Central America

ISC VI 23 18 29 04±1.7 **12.6N**±.16 **89.2W**±.15 **57**±2.0* **4.1b 26 1-148**
NEIC VI 23 18 29 06.1 12.74N 89.24W 57 4.3b **¶97vi3572**
EIDC VI 23 18 29 08.9 13.3N 88.5W 57 3.7b
NEIC MD4.1(SSS). Less reliable solution.
NEIC Felt I=III MM at San Salvador, El Salvador.

(29) Washington State

ISC VI 23 19 13 25.9±.39 **47.62N**±.016 **122.55W**±.027 **7**±2.8 **4.9b,4.1s 214 0-160**
MOS VI 23 19 13 26.1 47.6N 122.6W 10 5.2b **¶97vi3579**
BJI VI 23 19 13 26.1 47.91N 122.96W 5
NEIC VI 23 19 13 27.0 47.60N 122.57W 7 5.0b
PGC VI 23 19 13 27.2 47.6N 122.6W 5 4.4L
EIDC VI 23 19 13 29.7 47.9N 122.2W 14 4.3b,3.9L
NEIC MD4.9(SEA). Damage I=VI MM, After SEA.
NEIC Slight damage I=VI MM at Bremerton and Poulsbo. Felt V MM at Gig Harbor, Port Gamble, Tracyton and on Bainbridge Island; IV MM at Allyn, Indianola, Kent, Keyport, Kirkland, Manchester, Mercer Island, Mountlake Terrace, Olalla, Orting, Port Orchard, Quilcene, Seabeck, SeaTac Airport, Seattle, Shelton, South Colby, Southworth and Vashon. Felt throughout the Puget Sound area from Mount Vernon to Olympia.
PGC Near Bremerton, Washington. Preliminary reports of minor damage. Felt mildly in Victoria, British Columbia

(2) Southern Alaska

ISC VI 23 23 19 56.7±.62 **61.86N**±.023 **148.49W**±.041 **1**±5.1 3.6b **91 0-75**
EIDC VI 23 23 19 57.1 62.0N 148.9W 0 4.2L,3.3b **¶97vi3607**
NEIC VI 23 23 19 57.6 61.83N 148.54W 10
NEIC ML4.0(PMR), ML3.6(AEIC). Felt, After AEIC.
NEIC Felt at Palmer and Sutton.

(163) Cook Strait, New Zealand

ISC VI 24 01 53 01.2±.38 **41.24S**±.046 **174.47E**±.078 **59**±6.7 **4.3b 37 0-152**
EIDC VI 24 01 52 56.4 40.9S 174.4E 0 4.3b,3.8L **¶97vi3618**
NEIC VI 24 01 53 00.3 41.01S 174.27E 33 4.4b
WEL VI 24 01 53 03.3 41.16S 174.51E 35 4.3L
NEIC Poor solution.
WEL Felt I=IV MM Wellington and Lower Hutt.

(244) Taiwan

ISC VI 24 03 13 37±1.4 **24.5N**±.13 **121.8E**±.20 **9 4 0-1**
TAP VI 24 03 13 36.8 24.46N 121.76E 9 2.1L **¶97vi3625**
ISC Poorly determined
TAP Felt I=III J

(72) Honduras

ISC VI 24 06 59 53±1.0 **13.3N**±.13 **87.76W**±.086 **33 3.8b 17 1-139**
EIDC VI 24 06 59 49.2 13.3N 88.1W 0 3.8b **¶97vi3661**
NEIC VI 24 06 59 52.8 13.34N 87.77W 33 4.1b
NEIC Felt I=III MM at San Salvador, El Salvador.

(321) Southern Xinjiang Province

ISC VI 24 09 24 49.1±.69 **39.52N**±.035 **76.91E**±.038 **43**±7.0 **4.7b,4.8s 160 1-98**
BJI VI 24 09 24 48.5 39.45N 76.64E 51 4.6b,5.1s **¶97vi3685**
MOS VI 24 09 24 51.0 39.5N 76.9E 61 5.1b
HRVD VI 24 09 24 51.2±1.0 39.80N±.14 77.18E±.10 34±6.2
NEIC VI 24 09 24 51.3 39.51N 76.88E 67 4.9b
EIDC VI 24 09 24 53.4 39.5N 76.9E 71 4.2b,4.4s
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c27; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.18±.30; $M_{\theta\theta}$−1.79±.56; $M_{\phi\phi}$3.97±.49; $M_{r\theta}$1.13±.95; $M_{r\phi}$0.05±1.02; $M_{\theta\phi}$4.48±.36. Principal Axes: T 6.45,Plg4°,Azm299°; N −1.83, Plg68°,Azm39°; P −4.62,Plg22°,Azm207°. Best double couple: $M_0$5.5×10^{16}Nm, NP1: ϕ_S345°,δ72°,λ−167°. NP2:ϕ_S251°,δ78°,λ−18°.
NEIC Mw5.1(HRV)
NEIC Felt in Jiashi County.

(29) Washington State

ISC VI 24 14 23 11.6±.75 **48.41N**±.026 **119.78W**±.033 **6**±5.8 4.2b **79 0-26**
NEIC VI 24 14 23 12.9 48.38N 119.89W 8 3.9b **¶97vi3725**
PGC VI 24 14 23 13.2 48.4N 119.9W 5 4.1L
NEIC MD4.6(SEA). Felt I=V MM, After SEA.
NEIC Felt I=V MM at Conconully, Malott, Manson, Riverside, Tonasket and Winthrop; IV MM at Brewster, Bridgeport, Carlton, Colville Indian Reservation, Curlew, Electric City, Entiat, Grand Coulee, Keller, Methow, Nespelem, Northport, Okanogan, Republic, Twisp and Wilson Creek. Felt throughout a large area of north-central Washington and at Kamloops, Penticton and Trail, British Columbia, Canada.
PGC Eastern Washington. Felt at Chelan, Grand Coulee, Okanogan and Republic, Washington. Felt throughout south−central British Columbia including Osoyoos,Penticton, Kelowna, Vernon, Princeton, Kamloops, Grand ForksTrail and Castlegar. There have been no reports of damage.

(244) Taiwan

ISC VI 24 14 23 43±2.1 **24.46N**±.066 **121.9E**±.21 **11 9 0-1**
TAP VI 24 14 23 41.9 24.45N 121.92E 11 2.5L **¶97vi3726**
TAP Felt I=II J

(25) Vancouver Island region

ISC VI 24 14 40 58.2±.72 **49.28N**±.022 **123.66W**±.035 **13**±5.4 **4.3b 120 0-149**
EIDC VI 24 14 40 59.1 49.5N 123.5W 0 4.1b,3.8L **¶97vi3731**
NEIC VI 24 14 40 59.2 49.24N 123.62W 3 4.4b
PGC VI 24 14 40 59.2 49.2N 123.6W 3 4.6L
MOS VI 24 14 40 59.5 49.7N 123.2W 10 4.0b
NEIC ML4.6(PGC). Felt I=IV MM, After PGC.
NEIC Felt I=IV MM along the coast northwest of Vancouver and in the Ladysmith-Nanaimo area along the east coast of Vancouver Island. Felt from Campbell River to Victoria on Vancouver Island, in the greater Vancouver area and in the Fraser Valley as far east as Abbotsford. Also felt in the Port Angeles, Washington area.
PGC Strait of Georgia, British Columbia. Felt I=IV on the Sunshine Coast north of Vancouver and on the east coast of Vancouver Island in the Nanaimo − Ladysmith area. Generally felt from Campbell River to Victoria on Vancouver Island, in the greater Vancouver area and in the Fraser Valley at least as far east as Abbotsford. There have been 2 reports of minor damage; glass breakage in Vancouver and a broken water pipe in North Vancouver. In addition, power was lost in parts of Sechelt and Port Alberni as a result of BC Hydro substation motion switches being tripped. This follows a magnitude 3.4 earthquake in the same location on June 13, 1997.

(244) Taiwan

ISC VI 24 16 37 13.3±.84 **25.11N**±.065 **121.57E**±.060 **7**±7.9 **13 0-3**
TAP VI 24 16 37 12.9 25.12N 121.58E 9 3.7L **¶97vi3751**
TAP Felt I=II J Taipei

(99) Northern Colombia

ISC VI 24 17 54 09.8±.67 **6.76N**±.068 **73.04W**±.052 **155**±7.4 **4.5b 91 1-154**
EIDC VI 24 17 54 10.1 6.9N 72.8W 148 4.0b **¶97vi3762**
NEIC VI 24 17 54 11.2 6.76N 72.96W 171 4.7b
MOS VI 24 17 54 11.5 6.8N 73.0W 167 4.9b
BJI VI 24 17 54 12.7 6.79N 72.89W 176
NEIC Felt at Bucaramanga.

(244) Taiwan

TAP VI 24 20 36 31.9 24.37N 121.85E 12 2.2L ¶97vi3784
TAP Felt I=II J

(29) Washington State

ISC VI 24 20 40 10.0±.92 **47.60N**±.075 **122.6W**±.14 **16**±16 **8 0-3**
NEIC VI 24 20 40 11.0 47.58N 122.55W 8 **¶97vi3785**
NEIC MD2.6(SEA). Felt, After SEA.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(377) Spain						
ISC	**VI 25 04 21 14.4**±.92	**37.22N**±.063	**3.92W**±.058	**0**±13		**10**	**0-2**
MDD	VI 25 04 21 15.4	37.19N	3.91W	9	3.1		**¶97vi3846**
MDD	Felt I=II MSK						
NEIC	Felt I=II MSK (after EVIA)						
	(383) Northwestern Balkan region						
ISC	**VI 25 06 52 58.2**±.32	**42.82N**±.036	**18.01E**±.037	**12**	3.3b	**56**	**0-90**
PDG	VI 25 06 52 56.5	42.9N	17.8E	12	3.3L,3.3D		**¶97vi3861**
NEIC	VI 25 06 52 58.4	42.72N	17.71E	10			
LDG	VI 25 06 52 58.6	42.7N	18.1E		3.8L		
EIDC	VI 25 06 52 59.3	42.8N	17.7E	0	3.7L,3.3b		
ROM	VI 25 06 52 59.7	42.8N	18.1E	10	3.1D		
NEIC	M_L3.2(LJU)						
ZAG	Felt in Dubrovnik region (after HVAR)						
	(232) Southern Honshū						
ISC	**VI 25 09 50 13.4**±.62	**34.42N**±.017	**131.60E**±.017	**13**±4.0	**5.4b,5.8s**	**587**	**0-169**
EIDC	VI 25 09 50 12.1	34.3N	131.7E	0	4.7b,5.6s		**¶97vi3882**
BJI	VI 25 09 50 12.4	34.43N	131.67E	11	5.5b,6.0s		
NEIC	VI 25 09 50 12.4	34.40N	131.60E	10	5.5b,5.6s		
JMA	VI 25 09 50 12.7±.1	34.44N±.01	131.67E±.01	8±3	6.3		
MOS	VI 25 09 50 15.4	34.5N	131.6E	27	5.7b,5.9s		
HRVD	VI 25 09 50 16.7±.1	34.43N±.01	131.35E±.02	15			
NEIC	Mw5.9(GS), Mw5.9(HRV). Casualties I=VII MM, landslide/avalanche observed.						
NEIC	One person slightly injured in Yamaguchi Prefecture. Felt I=V J in western Shimane and IV J in northern Hiroshima and eastern Shimane Prefectures. A landslide occurred near Masuda.						
NEIC	Moment tensor solution: s18, scale 10^{17}Nm; M_{rr}0.38; $M_{\theta\theta}$8.61; $M_{\phi\phi}$−8.99; $M_{r\theta}$0.64; $M_{r\phi}$−1.50; $M_{\theta\phi}$−1.78. Depth 12km; Principal axes: T 8.86,Plg5°,Azm6°; N 0.52,Plg80°, Azm129°; P −9.38,Plg8°,Azm275°. Best double couple: $M_0$9.1×10^{17}Nm; NP1:ϕ_S51°,δ80°, λ−178°. NP2:ϕ_S321°,δ88°,λ−10°.						
JMA	Felt I= V J1						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c99; Mantle waves: s9,c18; Half duration: 2ŝ1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.53±.07; $M_{\theta\theta}$6.54±.08; $M_{\phi\phi}$−6.01±.09; $M_{r\theta}$2.38±.25; $M_{r\phi}$0.63±.21; $M_{\theta\phi}$−0.64±.07. Principal Axes: T 7.28,Plg17°,Azm2°; N −1.13,Plg71°,Azm210°; P −6.15,Plg8°,Azm94°. Best double couple: $M_0$6.7×10^{17}Nm, NP1:ϕ_S139°,δ72°,λ6°. NP2:ϕ_S47°,δ84°,λ162°.						
	(243) Taiwan region						
ISC	**VI 25 14 36 43**±3.5	**24.33N**±.082	**122.0E**±.27	**11**±11		**14**	**0-2**
TAP	VI 25 14 36 43.4	24.38N	121.97E	12	3.5L		**¶97vi3960**
TAP	Felt I=II J						
	(231) South Korea						
ISC	**VI 25 18 50 24**±1.0	**35.84N**±.026	**129.20E**±.030	**26**±8.7	**4.3b,4.0s**	**144**	**1-123**
BJI	VI 25 18 50 20.7	35.76N	129.42E	15	5.3L,4.5b		**¶97vi4008**
NEIC	VI 25 18 50 21.1	35.82N	129.19E	10	4.7b		
MOS	VI 25 18 50 21.2	35.8N	129.3E	10	4.7b		
JMA	VI 25 18 50 21.3±.8	35.92N±.05	129.27E±.06	10	4.2		
EIDC	VI 25 18 50 22.8	35.7N	129.2E	14	4.2b,4.0L		
BJI	Ms4.4						
NEIC	Felt.						
	(348) Iran						
ISC	**VI 25 19 38 44.3**±.69	**33.94N**±.033	**59.45E**±.020	**35**±6.6	**5.4b,5.8s**	**541**	**4-150**
CSEM	VI 25 19 38 39.4	34.00N	59.43E	5			**¶97vi4015**
NEIC	VI 25 19 38 40.6	33.94N	59.48E	10	5.5b,5.8s		
BJI	VI 25 19 38 40.8	33.99N	59.58E	6	5.5b,6.2s		
MOS	VI 25 19 38 41.0	34.0N	59.4E	10	4.7b,5.7s		
HRVD	VI 25 19 38 45.6±.1	34.04N±.02	59.43E±.02	15			
EIDC	VI 25 19 38 46.7	33.9N	59.4E	43	5.0b,5.6s		
CSEM	Mw5.7. M_0=4.6±2.8×10^{17}Nm. Fault plane solution NP1:ϕ_S271°,δ80°,λ−11°. NP2:ϕ_S3°,δ79°, λ−170°. Principal Axes: T Plg15°,Azm227°; N Plg75°,Azm49°; P Plg1°,Azm317°.						
NEIC	Me6.0(GS), Mw5.9(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 2.0±0.3×10^{13}Nm/9						
NEIC	Mw 5.9 (HRV). About 100 houses destroyed, 5,000 others damaged and some livestock killed in the Birjand-Qayen area.						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S0°,δ83°,λ177°. NP2:ϕ_S90°,δ87°,λ7°. Principal axes: T Plg7°,Azm315°; P Plg3°,Azm225°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−0.87; $M_{\theta\theta}$1.29; $M_{\phi\phi}$−0.41; $M_{r\theta}$0.66; $M_{r\phi}$1.24; $M_{\theta\phi}$7.56. Depth 14km; Principal axes: T 8.23,Plg8°,Azm318°; N −1.03,Plg81°, Azm167°; P −7.20,Plg4°,Azm49°. Best double couple: $M_0$7.7×10^{17}Nm; NP1:ϕ_S93°,δ81°,λ3°. NP2:ϕ_S3°,δ87°,λ171°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c104; Mantle waves: s11,c15; Half duration: 2ŝ2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.10; $M_{\theta\theta}$−0.10±.15; $M_{\phi\phi}$−0.86±.12; $M_{r\theta}$−2.32±.43; $M_{r\phi}$−1.12±.36; $M_{\theta\phi}$6.88±.10. Principal Axes: T 7.36,Plg21°,Azm138°; N 0.08,Plg68°,Azm302°; P −7.44,Plg6°,Azm46°. Best double couple: $M_0$7.4×10^{17}Nm, NP1:ϕ_S180°,δ71°,λ169°. NP2:ϕ_S273°,δ79°,λ19°.						
	(377) Spain						
ISC	**VI 26 00 24 10**±1.1	**42.81N**±.070	**7.2W**±.15	**10**		**9**	**0-3**
NEIC	VI 26 00 24 10.4	42.82N	7.19W	10			**¶97vi4056**
MDD	VI 26 00 24 11.8	42.80N	7.21W	10	3.1		
LIS	VI 26 00 24 12	42.80N	7.22W		2.6L		
NEIC	mbLg3.1(MDD). Poor solution.						
NEIC	Felt I=II MM in the Sarria-Becerrea area (after GUD)						
MDD	Felt I=II MSK						
	(48) Lower California						
ISC	**VI 26 02 01 39**±3.1	**32.0N**±.20	**115.8W**±.11	**2**		**22**	**1-4**
NEIC	VI 26 02 01 35.8	31.76N	115.77W	2			**¶97vi4070**
ECX	VI 26 02 01 37.0	31.77N	115.77W	11	3.8D		
NEIC	M_L3.1(PAS). Felt, After PAS.						
NEIC	Felt in the epicentral area.						
ECX	Felt in Santa Catarina and at Heroes de la Independencia						
	(2) Southern Alaska						
ISC	**VI 26 04 16 22.7**±.25	**61.19N**±.026	**149.61W**±.043	**45**±8.4		**81**	**0-7**
NEIC	VI 26 04 16 23.3	61.21N	149.70W	40			**¶97vi4081**
NEIC	M_L3.4(AEIC), M_L3.4(PMR). Felt I=II MM, After AEIC.						
NEIC	Felt I=II MM at Anchorage.						
	(244) Taiwan						
TAP	**VI 27 01 19 13.9**	**24.43N**	**121.72E**	**9**	**2.4L**		**¶97vi4216**
TAP	Felt I=II J						
	(243) Taiwan region						
ISC	**VI 27 02 17 07**±1.1	**21.89N**±.073	**121.44E**±.087	**22**±8.8		**16**	**0-3**
TAP	VI 27 02 17 07.2	21.86N	121.35E	16	4.0L		**¶97vi4224**
TAP	Felt I=II J Lanyu						
	(405) Azores						
ISC	**VI 27 04 39 52.6**±.15	**38.25N**±.026	**26.71W**±.018	**10**	**5.5b,5.6s**	**597**	**1-173**
NEIC	VI 27 04 39 52.7	38.33N	26.68W	10	5.6b,5.4s		**¶97vi4241**
MOS	VI 27 04 39 52.8	38.3N	26.7W	10	6.1b,5.6s		
BJI	VI 27 04 39 53.8	38.33N	26.73W	23	5.6b,6.2s		
ADH	VI 27 04 39 53.9	38.24N	26.82W	2	5.0D		
EIDC	VI 27 04 39 55.1	38.3N	26.7W	17	4.8b,5.1L		
HRVD	VI 27 04 39 58.6±.1	38.40N±.02	26.52W±.02	15			
CSEM	Mw5.8. M_0=6.0±1.8×10^{17}Nm. Fault plane solution. NP1:ϕ_S73°,δ16°,λ50°. NP2:ϕ_S294°,δ78°, λ100°. Principal axes: T Plg56°,Azm217°; N Plg10°,Azm112°; P Plg32°,Azm15°						
NEIC	Mw5.9(GS), Mw5.9(HRV).						
NEIC	Moment tensor solution: s39, scale 10^{17}Nm; M_{rr}−3.08; $M_{\theta\theta}$2.59; $M_{\phi\phi}$0.49; $M_{r\theta}$−2.70; $M_{r\phi}$4.95; $M_{\theta\phi}$−2.54. Depth 5km; Principal axes: T 6.98,Plg28°,Azm224°; N −0.36,Plg17°, Azm323°; P −6.62,Plg56°,Azm80°. Best double couple: $M_0$6.8×10^{17}Nm; NP1:ϕ_S277°,δ23°, λ−139°. NP2:ϕ_S148°,δ75°,λ−72°.						
ADH	Felt I=V MM on Sao Miguel at Mosteiros, Varzea, Ginetes, IV−V Bretanha, Candelaria, IV Remedios, Feteiras, Arrifes, III−IV Sete Cidades, Santa Barbara, Faja de Cima, Faja de Baixo, Ponta Delgarda, Relva, III Capelas, Fenais da Luz, Calhetas, Rabo de Peixe, Ribeira Grande, Lagoa, Sao Roque, Agua d'Alto, Ribeira Quente, Vila Franca, Ponta Garca, II−III Porto Formoso, Funas, Povoacao, II Fenais da Ajuda, Faial da Terra						
ADH	Felt IV MM on Terceira at Lajes, Agualva, Praia da Victoria, Fonte do Bastardo, Terra Cha, Ribeirinha, Porto Judeu, Angra do Heroismo, IV−V Vila Nova, Quatro Ribeiras, Sao Bartolomeu, IV Sao Sebastiao, Biscoitos, Fontinhas, Sao Braz, III−IV Serreta, Doze Ribeiras, III Altares, Raminho, Santa Barbara; on Sao Jorge I=III−IV at Topo, III Norte Grande, Calheta, Ribeira Seca, II−III Urzelina, II Velas						
ADH	Felt I=III MM on Pico at Sao Roque, Santo Amaro, Piedade, Sao Joao, Calhetae Lajes, II−III Prainha, Santa Luzia, Candelaria, Sao Mateus, II Madelena, Bandeiras; I=III on Faial at Horta, II−III Salao, Ribeirinha, Pedro Miguel, Praia do Almoxarife, Flamengos, II Cedros, Praia do Norte, Capelo, Castelo Branco						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c116; Mantle waves: s8,c11; Half duration: 2ŝ2. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.40±.08; $M_{\theta\theta}$3.42±.10; $M_{\phi\phi}$2.98±.11; $M_{r\theta}$−1.02±.32; $M_{r\phi}$2.99±.31; $M_{\theta\phi}$−3.82±.09. Principal Axes: T 7.60,Plg11°,Azm225°; N −0.32,Plg12°,Azm318°; P −7.27,Plg74°,Azm92°. Best double couple: $M_0$7.4×10^{17}Nm, NP1:ϕ_S301°,δ35°,λ−111°. NP2:ϕ_S145°,δ57°,λ−76°.						
	(29) Washington State						
ISC	**VI 27 05 30 47.4**±.78	**47.59N**±.064	**122.54W**±.087	**2**		**11**	**0-4**
NEIC	VI 27 05 30 49.0	47.60N	122.58W	2			**¶97vi4248**
NEIC	M_D3.1(SEA). Felt, After SEA.						
	(2) Southern Alaska						
ISC	**VI 27 10 01 19.8**±.19	**61.49N**±.022	**149.28W**±.040	**48**±5.3	**3.6b**	**108**	**0-55**
NEIC	VI 27 10 01 20.1	61.51N	149.34W	38			**¶97vi4275**
EIDC	VI 27 10 01 20.4	61.4N	149.6W	56	3.4b,3.9L		
NEIC	M_L4.0(AEIC), M_L3.9(PMR). Felt I=IV MM, After AEIC.						
NEIC	Felt I=IV MM at Anchorage, Eagle River and Palmer. Also felt at Chugiak and Fort Richardson.						
	(405) Azores						
ISC	**VI 27 10 42 55.7**±.58	**38.11N**±.092	**26.88W**±.069	**0**		**20**	**1-2**
ADH	VI 27 10 43 00.5	38.43N	26.76W		3.3D		**¶97vi4283**
ADH	Felt I=II MM on Terceira at Costa Leste						
	(29) Washington State						
ISC	**VI 27 10 47 49.4**±.53	**47.63N**±.028	**122.56W**±.044	**15**±4.6		**46**	**0-14**
NEIC	VI 27 10 47 49.0	47.58N	122.55W	1			**¶97vi4284**
PGC	VI 27 10 47 50.0	47.6N	122.6W	5	3.4L		
NEIC	M_D3.9(SEA). Felt, After SEA.						
PGC	Near Bremerton, Washington. Aftershock. Felt.						
	(405) Azores						
ISC	**VI 27 11 05 32.3**±.74	**38.03N**±.099	**26.88W**±.076	**0**		**20**	**1-2**
ADH	VI 27 11 05 36.4	38.25N	26.79W		3.3D		**¶97vi4288**
ADH	Felt I=II MM on Terceira at Costa Leste						
	(243) Taiwan region						
ISC	**VI 27 15 53 28**±1.0	**21.78N**±.028	**121.50E**±.035	**6**±6.5	**4.5b,4.1s**	**125**	**0-120**
TAP	VI 27 15 53 27.5	21.84N	121.58E	5	4.6L		**¶97vi4320**
MOS	VI 27 15 53 31.9	21.8N	121.7E	41	5.0b,4.2s		
NEIC	VI 27 15 53 32.1	21.74N	121.56E	44	4.6b		
BJI	VI 27 15 53 32.2	21.84N	121.52E	36	3.9L,4.5b		
EIDC	VI 27 15 53 33.2	21.8N	121.5E	35	4.2b,4.0s		
TAP	Felt I=IV J Lanyu						
BJI	Ms4.3						
	(243) Taiwan region						
ISC	**VI 27 17 20 56**±3.0	**21.88N**±.089	**121.7E**±.18	**3**±19		**8**	**0-2**
TAP	VI 27 17 20 56.3	21.91N	121.71E	3	3.3L		**¶97vi4336**
TAP	Felt I=II J Lanyu						
	(405) Azores						
ISC	**VI 27 17 23 54.1**±.21	**38.22N**±.035	**26.76W**±.026	**10**	**4.7b,4.5s**	**228**	**1-158**
BJI	VI 27 17 23 54.2	38.22N	26.84W	17	4.9b,5.2s		**¶97vi4337**
EIDC	VI 27 17 23 54.2	38.2N	26.7W	0	4.4b,4.4s		
NEIC	VI 27 17 23 54.3	38.29N	26.76W	10	4.9b,4.4s		
MOS	VI 27 17 23 55.6	38.5N	26.6W	10	5.1b,4.6s		
ADH	VI 27 17 23 56.0	38.33N	26.73W		4.5D		
HRVD	VI 27 17 23 57.6±.7	38.26N±.14	26.16W±.15	15			
NEIC	Mw5.2(HRV).						
ADH	Felt I=III−IV MM on Terceira; I=III on Sao Miguel						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c26; Half duration: 1ŝ0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.91±.38; $M_{\theta\theta}$1.79±.43; $M_{\phi\phi}$1.12±.48; $M_{r\theta}$−0.52±1.48; $M_{r\phi}$5.06±1.15; $M_{\theta\phi}$−2.55±.38. Principal Axes: T 5.96,Plg27°,Azm236°; N 0.51,Plg23°,Azm338°; P −6.47,Plg54°,Azm102°. Best double couple: $M_0$6.2×10^{16}Nm, NP1: ϕ_S284°,δ27°,λ−147°. NP2:ϕ_S164°,δ76°,λ−67°.						
	(405) Azores						
ISC	**VI 27 18 13 06**±2.5	**38.4N**±.45	**26.8W**±.23	**50**±51		**20**	**0-2**
ADH	VI 27 18 13 07.9	38.29N	26.87W		3.4D		**¶97vi4344**
ADH	Felt I=II MM on Terceira						
	(39) Central California						
ISC	**VI 27 20 17 45**±1.3	**35.41N**±.057	**118.25W**±.068	**10**±12		**15**	**0-4**
NEIC	VI 27 20 17 45.8	35.44N	118.31W	6			**¶97vi4364**
NEIC	M_L3.7(GS), M_L3.4(PAS). Felt, After PAS.						
NEIC	Felt at Lake Isabella.						
	(405) Azores						
ISC	**VI 27 22 32 19.0**±.67	**38.21N**±.092	**26.86W**±.065	**21**±6.8	**3.8b**	**28**	**1-77**
NEIC	VI 27 22 32 18.0	38.25N	26.87W	10			**¶97vi4376**
EIDC	VI 27 22 32 19.9	38.8N	26.8W	0	3.8b		
ADH	VI 27 22 32 21.0	38.29N	26.85W		3.8D		
NEIC	Poor solution.						
ADH	Felt I=II MM on Terceira						
	(405) Azores						
ISC	**VI 27 23 52 39.4**±.62	**38.05N**±.083	**26.99W**±.065	**0**		**20**	**1-1**
ADH	VI 27 23 52 44.0	38.28N	26.88W		3.6D		**¶97vi4382**
ADH	Felt I=II MM on Terceira						
	(405) Azores						
ISC	**VI 28 00 55 34.4**±.67	**38.21N**±.085	**26.86W**±.063	**20**±6.7	**3.6b**	**31**	**1-101**
EIDC	VI 28 00 55 32.9	38.4N	27.3W	0	3.6b,4.0L		**¶97vi4388**
ADH	VI 28 00 55 36.6	38.29N	26.85W		3.8D		
ADH	Felt I=II MM on Terceira						
	(405) Azores						
ISC	**VI 28 01 38 58.4**±.62	**38.06N**±.087	**26.95W**±.067	**0**		**20**	**1-1**
ADH	VI 28 01 39 02.8	38.28N	26.84W		3.8D		**¶97vi4394**
ADH	Felt I=II MM on Terceira						

(405) Azores
ISC VI 28 01 54 58.3±.36 **38.16N**±.063 **26.89W**±.050 **10** **4.0b** **39 1-88**
NEIC VI 28 01 54 59.3 38.20N 27.09W 10 ¶97vi4396
EIDC VI 28 01 54 59.3 38.3N 27.1W 0 3.9b,4.1L
ADH VI 28 01 55 00.9 38.31N 26.83W 3.8D
NEIC Less reliable solution.
ADH Felt I=II MM on Terceira

(546) Austria
ISC VI 28 02 44 59.2±.24 **47.62N**±.022 **12.52E**±.030 **10** **111 0-11**
MOS VI 28 02 44 58.3 47.6N 12.7E 10 4.0S ¶97vi4402
NEIC VI 28 02 44 58.6 47.61N 12.51E 5
SZGRF VI 28 02 44 58.7 47.5N 12.7E 10 3.6L
LDG VI 28 02 45 03.4 47.6N 12.4E 3.3L
STR VI 28 02 45 04.3 47.63N 12.24E 5 3.7L
ROM VI 28 02 45 07.6 47.1N 12.5E 10 3.2D
NEIC $M_{L3.7}$(VIE)
NEIC ML 3.5 (CLL), 3.4 (FUR). Felt I=IV MM at Zell-am-See.

(405) Azores
ADH VI 28 03 24 20.9 37.89N 25.91W 2.7D ¶97vi4406
ADH Felt I=III MM on Sao Miguel at Ginetes

(405) Azores
ADH VI 28 03 28 59.6 37.91N 25.89W 2.6D ¶97vi4408
ADH Felt I=II MM on Sao Miguel at Ginetes

(405) Azores
ISC VI 28 04 29 59.5±.84 **38.4N**±.26 **26.7W**±.15 **31**±16 **19 0-2**
ADH VI 28 04 30 00.7 38.25N 26.88W 3.5D ¶97vi4414
ADH Felt I=II MM on Terceira

(377) Spain
ISC VI 28 04 52 07±1.5 **42.78N**±.092 **7.3W**±.18 **10** **4 0-1**
NEIC VI 28 04 52 06.8 42.78N 7.29W 10 ¶97vi4415
MDD VI 28 04 52 07.4 42.78N 7.21W 2.9
ISC Poorly determined
NEIC mbLg2.6(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK

(377) Spain
ISC VI 28 04 53 08±1.4 **42.85N**±.085 **7.4W**±.16 **10** **4 0-1**
NEIC VI 28 04 53 07.9 42.85N 7.38W 10 ¶97vi4416
MDD VI 28 04 53 08.8 42.84N 7.34W 15 3.2
ISC Poorly determined
NEIC mbLg3.2(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK

(377) Spain
ISC VI 28 04 53 53±1.6 **42.65N**±.094 **7.2W**±.19 **10** **4 0-1**
NEIC VI 28 04 53 53.1 42.65N 7.23W 10 ¶97vi4417
MDD VI 28 04 53 53.9 42.67N 7.19W 3.1
ISC Poorly determined
NEIC mbLg3.1(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK

(377) Spain
ISC VI 28 04 54 44±1.5 **42.80N**±.092 **7.3W**±.17 **10** **4 0-1**
NEIC VI 28 04 54 44.1 42.80N 7.34W 10 ¶97vi4418
MDD VI 28 04 54 44.8 42.81N 7.31W 17 3.4
ISC Poorly determined
NEIC mbLg3.5(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK

(377) Spain
ISC VI 28 04 54 55±2.0 **42.91N**±.087 **7.1W**±.25 **10** **6 1-3**
NEIC VI 28 04 54 55.3 42.91N 7.15W 10 ¶97vi4419
MDD VI 28 04 54 56.9 42.84N 7.28W 4 3.7
ISC Poorly determined
NEIC mbLg3.6(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK

(405) Azores
ISC VI 28 07 22 35.2±.65 **38.05N**±.085 **26.98W**±.067 **0** **19 1-1**
ADH VI 28 07 22 39.7 38.28N 26.87W 3.6D ¶97vi4443
ADH Felt I=II MM on Terceira

(377) Spain
ISC VI 28 10 59 05±2.0 **43.01N**±.050 **7.3W**±.10 **3**±16 **28 0-9**
NEIC VI 28 10 59 07.4 42.93N 7.04W 10 ¶97vi4466
MDD VI 28 10 59 10.2 42.77N 7.31W 3 3.6
LIS VI 28 10 59 11 42.73N 7.32W 3.0L
LDG VI 28 10 59 11.2 43.0N 7.2W 3.2L
NEIC mbLg3.6(MDD)
NEIC Felt I=III MM in the Sarria-Becerrea area.
MDD Felt I=II−III MSK

(405) Azores
ISC VI 28 13 31 44.0±.78 **38.24N**±.037 **26.81W**±.025 **5**±4.9 **4.6b,4.9s 201 1-158**
MOS VI 28 13 31 44.7 38.3N 26.8W 10 5.0b,4.8s ¶97vi4478
NEIC VI 28 13 31 44.8 38.28N 26.81W 10 4.8b
EIDC VI 28 13 31 44.9 38.3N 26.8W 0 4.3b,4.4L
BJI VI 28 13 31 46.0 38.85N 26.72W 5 4.6b,5.1s
ADH VI 28 13 31 47.0 38.30N 26.82W
ADH Felt I=III−IV MM on Sao Miguel at Mosteiros, Ginetes, III at Candelaria, Ribeira Quente, II Sete Cidades, Santa Barbara, Ribeira Grande, Cabouco, Sao Roque, Nordela, Porto Formoso, Capelas, II−III Ponta Delgarda

(405) Azores
ISC VI 28 14 05 21.6±.79 **38.26N**±.049 **26.80W**±.039 **9**±5.3 **4.2b**,4.6s **76 1-85**
BJI VI 28 14 05 18.0 38.30N 26.70W 10 4.4b ¶97vi4483
NEIC VI 28 14 05 21.8 38.34N 26.74W 10 4.5b
MOS VI 28 14 05 21.9 38.3N 26.7W 10 4.6b
EIDC VI 28 14 05 22.5 38.4N 26.8W 0 4.1b,4.3L
ADH VI 28 14 05 24.2 38.29N 26.80W 3.7D
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 28 14 06 26.5±.85 **38.29N**±.045 **26.80W**±.036 **12**±5.7 **4.5b,4.1s 92 0-149**
MOS VI 28 14 06 25.8 38.2N 26.7W 10 4.9b,4.0s ¶97vi4484
NEIC VI 28 14 06 26.1 38.27N 26.72W 10 4.7b,4.1s
EIDC VI 28 14 06 26.7 38.3N 26.7W 0 4.3b,4.0s
BJI VI 28 14 06 27.2 38.80N 26.87W 5 4.4b
ADH VI 28 14 06 29.2 38.35N 26.82W 3.7D
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 28 14 09 46.3±.62 **38.1N**±.10 **26.88W**±.076 **0** **19 1-2**
ADH VI 28 14 09 50.8 38.38N 26.80W 3.4D ¶97vi4485
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 28 16 48 45.9±.90 **38.4N**±.20 **26.8W**±.12 **33**±13 **19 0-2**
ADH VI 28 16 48 47.3 38.30N 26.87W 3.4D ¶97vi4506
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 28 17 32 09.8±.92 **38.4N**±.25 **26.8W**±.13 **31**±16 **20 0-2**
ADH VI 28 17 32 11.1 38.28N 26.86W 3.4D ¶97vi4511
ADH Felt I=II MM on Terceira

(43) Southern California
ISC VI 28 21 45 23±1.1 **34.11N**±.062 **117.30W**±.046 **3**±7.8 **4.0b 49 0-146**
EIDC VI 28 21 45 24.5 34.1N 117.4W 0 4.1b,3.5L ¶97vi4529
NEIC VI 28 21 45 25.1 34.17N 117.34W 9 4.1b
NEIC M_L4.2(PAS). Felt, After PAS.
NEIC Felt at Colton, Rialto, San Bernardino and in the San Bernardino Mountains. Felt as far as Hesperia and Pasadena.

(405) Azores
ISC VI 29 03 54 01.5±.64 **38.3N**±.13 **26.70W**±.070 **10** **4.3b,3.5s 51 18-158**
BJI VI 29 03 54 00.7 38.20N 26.70W 10 5.2b ¶97vi4565
NEIC VI 29 03 54 00.7 38.20N 26.71W 10 4.4b
EIDC VI 29 03 54 00.8 38.2N 26.6W 0 4.0b,3.7s
ADH VI 29 03 54 03.6 38.37N 26.85W 3.7D
ADH Felt I=II MM on Terceira

(405) Azores
ADH VI 29 04 14 34.1 38.34N 26.85W 3.6D ¶97vi4567
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 29 04 22 37±1.0 **38.29N**±.058 **26.86W**±.040 **8**±6.3 **4.2b,4.2s 65 0-79**
NEIC VI 29 04 22 37.2 38.35N 26.79W 10 4.5b,4.0s ¶97vi4568
EIDC VI 29 04 22 37.5 38.2N 26.7W 0 4.0b,4.4L
ADH VI 29 04 22 39.6 38.38N 26.84W 3.8D
MOS VI 29 04 22 43.4 38.8N 26.3W 10 4.6b
ADH Felt I=III MM on Sao Miguel at Ginetes, Mosteiros, II−III Porta Delgarda; I=III MM on Terceira at Praia da Vitoria, Agualva, Angra do Heroismo

(402) North Atlantic Ocean
ADH VI 29 04 58 27.8 38.36N 49.83W 3.4D ¶97vi4572
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 29 08 48 23±1.3 **38.4N**±.25 **26.8W**±.14 **40**±54 **12 0-2**
ADH VI 29 08 48 24.5 38.29N 26.87W 3.4D ¶97vi4593
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 29 09 44 03±1.1 **38.1N**±.12 **26.9W**±.11 **0** **10 1-2**
ADH VI 29 09 44 06.9 38.24N 26.84W 3.3D ¶97vi4603
ADH Felt I=II MM on Terceira

(244) Taiwan
ISC VI 29 15 50 59±1.6 **24.30N**±.069 **121.8E**±.18 **8** **8 0-1**
TAP VI 29 15 50 58.8 24.33N 121.79E 8 2.6L ¶97vi4640
TAP Felt I=II J

(405) Azores
ISC VI 29 21 29 13.8±.60 **38.04N**±.081 **27.00W**±.061 **0** **20 1-1**
ADH VI 29 21 29 18.3 38.30N 26.86W 3.7D ¶97vi4666
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 29 22 27 55±1.6 **38.0N**±.11 **26.98W**±.071 **0**±11 **3.8b 24 1-67**
EIDC VI 29 22 27 56.9 38.1N 26.8W 0 3.6s,3.7b ¶97vi4672
ADH VI 29 22 27 59.1 38.28N 26.89W 3.8D
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 29 22 57 37.3±.66 **38.02N**±.085 **27.01W**±.065 **0** **18 1-1**
ADH VI 29 22 57 41.9 38.28N 26.89W 3.7D ¶97vi4677
ADH Felt I=II MM on Terceira

(405) Azores
ISC VI 30 01 23 28±1.5 **38.3N**±.26 **26.9W**±.14 **32**±20 **20 0-1**
ADH VI 30 01 23 30.2 38.31N 26.89W 3.5D ¶97vi4694
ADH Felt I=II MM on Terceira at Angra do Heroismo

(405) Azores
ISC VI 30 04 57 04.8±.86 **38.52N**±.057 **26.61W**±.052 **10**±6.9 **4.1b,3.5s 56 0-77**
NEIC VI 30 04 57 04.9 38.51N 26.44W 10 4.5b ¶97vi4708
MOS VI 30 04 57 05.3 38.5N 26.4W 10 4.6b
EIDC VI 30 04 57 05.3 38.1N 26.9W 0 4.1b,3.7s
ADH VI 30 04 57 07.2 38.35N 26.85W 4.1D
NEIC Less reliable solution.
ADH Felt I=III MM on Terceira at Angra do Heroismo, Agualva, Praia da Vitoria; I=II MM on Sao Miguel at Mosteiros

(123) Northern Chile
ISC VI 30 09 07 56.3±.72 **24.40S**±.034 **69.35W**±.059 **63**±7.4 **4.8b 128 4-168**
NEIC VI 30 09 07 57.7 24.46S 69.33W 80 4.8b ¶97vi4737
MOS VI 30 09 07 58.5 24.3S 69.4W 83 5.1b
EIDC VI 30 09 07 59.4 24.3S 69.3W 80 4.4b,3.7s
BJI VI 30 09 08 03.2 24.50S 69.30W 80
NEIC Felt I=III MM at Antofagasta, Mejillones and Taltal.

(383) Northwestern Balkan region
LJU VI 30 11 10 06.9 46.0N 16.2E 0 ¶97vi4750
NEIC VI 30 11 10 07.8 45.92N 16.09E 10
NEIC M_L1.8(LJU). Single network solution.
ZAG Felt in Cucerje and Prepustovec (after PTJ)

(162) South Island, New Zealand
ISC VI 30 11 20 34.5±.98 **44.48S**±.073 **169.9E**±.11 **15**±7.7 **11 0-3**
WEL VI 30 11 20 35.0 44.47S 169.94E 10 4.0L ¶97vi4751
WEL Felt Twizel.

(613) Hawaiian Islands
ISC VI 30 15 47 39.6±.36 **19.34N**±.035 **155.12W**±.023 **14**±2.0 **5.3b,5.0s 247 0-174**
BJI VI 30 15 47 37.8 19.36N 155.13W 9 5.6b,5.4s ¶97vi4785
EIDC VI 30 15 47 38.3 19.3N 155.1W 0 5.1b,5.0s
MOS VI 30 15 47 38.7 19.4N 155.1W 10 5.6b,4.9s
NEIC VI 30 15 47 39.5 19.36N 155.07W 8 5.3b,5.0s
HRVD VI 30 15 47 45.2±.3 19.23N±.04 154.92W±.04 15
NEIC Mw5.7(HRV). Damage, After HVO.
NEIC Slight damage and temporary power outages occurred in the Hilo and Puna areas. Felt throughout the island of Hawaii. Mo=3.7×10^{17}Nm (PPT).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c67; Mantle waves: s3,c4; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.06; $M_{\theta\theta}$−0.58±.06; $M_{\phi\phi}$−0.13±.07; $M_{r\theta}$2.73±.13; $M_{r\phi}$2.37±.13; $M_{\theta\phi}$−0.75±.06. Principal Axes: T 3.52,Plg52°,Azm317°; N 0.42,Plg2°,Azm49°; P −3.94,Plg38°,Azm141°. Best double couple: $M_0$3.7×10^{17}Nm, NP1:ϕ_S243°,δ7°,λ104°. NP2:ϕ_S49°,δ83°,λ88°.

PROBABLE EXPLOSIONS

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(536) Sweden						
ISC	**I 01 11 16 20.3**±.64	**67.09N**±.064	**20.6E**±.21	**0**		**12**	**2-11**
EIDC	I 01 11 16 22.4	67.1N	20.8E	0	3.4L		¶97i0065
BER	I 01 11 16 24.3	67.2N	20.6E	0	2.8L,2.4D		
BER	Possible explosion						
	(548) Poland						
ISC	**I 01 20 45 13**±2.2	**51.6N**±.18	**16.2E**±.12	**0**		**12**	**1-4**
ISC	Probably mining induced (after WAR)						¶97i0116
	(548) Poland						
ISC	**I 02 00 40 35.7**±.47	**51.68N**±.037	**16.24E**±.064	**0**	3.3b	**40**	**1-60**
NEIC	I 02 00 40 36.3	51.73N	16.10E	5			¶97i0145
EIDC	I 02 00 40 37.6	51.6N	16.2E	0	3.5L,3.3b		
SZGRF	I 02 00 40 38.3	51.60N	16.17E	1	3.6L		
WAR	I 02 00 40 40.2	51.5N	16.0E		3.2		
NEIC	M_L3.5(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**I 02 10 11 33**±3.0	**51.7N**±.23	**16.0E**±.11	**0**		**10**	**1-3**
ISC	Probably mining induced (after WAR)						¶97i0188
	(548) Poland						
ISC	**I 02 10 56 58.4**±.50	**51.67N**±.042	**16.25E**±.068	**0**		**29**	**1-18**
NEIC	I 02 10 56 59.7	51.67N	16.20E	10			¶97i0196
EIDC	I 02 10 57 00.4	51.6N	16.3E	0	3.5L		
SZGRF	I 02 10 57 02.3	51.49N	16.12E	1	3.1L		
WAR	I 02 10 57 02.9	51.5N	16.1E		2.8		
NEIC	M_L3.4(VIE).						
WAR	Mining induced						
	(543) Germany						
BUG	**I 03 03 56 12.9**	**51.5N**	**6.9E**	**1**	**1.1L**		¶97i0313
BUG	Mining induced event						
	(548) Poland						
ISC	**I 03 17 15 59**±1.9	**51.1N**±.14	**15.9E**±.12	**0**		**8**	**0-3**
ISC	Probably mining induced (after WAR)						¶97i0406
	(536) Sweden						
ISC	**I 05 12 59 05.2**±.62	**66.98N**±.061	**20.9E**±.18	**0**		**13**	**2-11**
EIDC	I 05 12 59 07.6	67.1N	21.4E	0	2.9L		¶97i0674
BER	I 05 12 59 09.5	67.1N	20.9E	0			
BER	Possible explosion						
	(548) Poland						
ISC	**I 07 05 23 57**±1.4	**51.2N**±.14	**15.79E**±.095	**0**		**15**	**1-12**
EIDC	I 07 05 23 51.3	51.5N	16.5E	0	3.3L		¶97i0882
WAR	I 07 05 23 54.4	51.4N	16.2E		2.5		
NEIC	I 07 05 23 56.5	51.26N	15.87E	5			
WAR	Mining induced						
NEIC	M_L2.7(MOX), Less reliable solution.						
	(535) Southern Norway						
BER	**I 08 14 27 14.8**	**58.9N**	**5.7E**	**0**	**1.2L,1.0D**		¶97i1075
BER	Possible explosion						
	(535) Southern Norway						
ISC	**I 09 14 16 40**±13	**58.1N**±.85	**6.2E**±.59	**0**		**5**	**1-2**
BER	I 09 14 16 45.4	58.4N	6.6E	0	1.6L,2.1D		¶97i1232
BER	Explosion						
	(548) Poland						
ISC	**I 10 04 25 26.8**±.62	**51.65N**±.047	**16.28E**±.072	**0**	3.2b	**35**	**1-60**
NEIC	I 10 04 25 27.1	51.67N	15.79E	5			¶97i1310
EIDC	I 10 04 25 29.1	51.7N	15.9E	0	3.3L,3.2b		
WAR	I 10 04 25 31	51.48N	16.10E		3.0		
SZGRF	I 10 04 25 34.8	51.21N	16.07E	1	3.3L		
NEIC	M_L3.6(VIE)						
NEIC	ML 3.3 (MOX).						
WAR	Mining induced						
	(548) Poland						
ISC	**I 11 09 30 48**±8.5	**51.3N**±.68	**16.0E**±.26	**0**		**5**	**2-3**
ISC	Probably mining induced (after WAR)						¶97i1502
	(548) Poland						
ISC	**I 15 05 09 54**±2.2	**51.7N**±.16	**16.01E**±.096	**0**		**10**	**1-3**
NEIC	I 15 05 10 02.4	51.09N	15.65E	5			¶97i2099
ISC	Probably mining induced (after WAR)						
NEIC	M_L2.5(MOX), Less reliable solution.						
	(548) Poland						
ISC	**I 15 08 14 23.4**±.75	**51.74N**±.059	**15.98E**±.086	**0**		**13**	**1-11**
EIDC	I 15 08 14 24.1	51.4N	16.7E	0	3.3L		¶97i2122
NEIC	I 15 08 14 24.5	51.73N	16.06E	5			
ISC	Probably mining induced (after WAR)						
NEIC	M_L2.6(MOX), M_L2.3(CLL), Less reliable solution.						
	(548) Poland						
ISC	**I 15 12 24 05.2**±.54	**51.70N**±.044	**16.03E**±.083	**0**	3.3b	**26**	**1-60**
NEIC	I 15 12 24 05.4	51.66N	16.07E	5	3.4b		¶97i2155
EIDC	I 15 12 24 06.3	51.6N	16.1E	0	3.5L		
WAR	I 15 12 24 09.4	51.5N	16.1E		2.9		
NEIC	M_L3.6(GRF), M_L3.6(VIE).						
NEIC	ML 3.2 (MOX).						
WAR	Mining induced						
	(536) Sweden						
ISC	**I 16 16 32 11.1**±.67	**67.03N**±.067	**21.1E**±.21	**0**		**11**	**2-11**
EIDC	I 16 16 32 13.4	67.1N	21.6E	0	2.9L		¶97i2337
BER	I 16 16 32 15.0	67.1N	21.0E	0	2.5D		
BER	Possible explosion						
	(548) Poland						
ISC	**I 16 20 42 31**±3.1	**51.4N**±.22	**16.0E**±.17	**0**		**6**	**1-3**
ISC	Probably mining induced (after WAR)						¶97i2357
	(548) Poland						
ISC	**I 17 10 57 14**±1.3	**50.3N**±.12	**18.89E**±.078	**0**		**11**	**1-4**
WAR	I 17 10 57 14.7	50.2N	18.9E		3.1		¶97i2432
WAR	Mining induced						
	(548) Poland						
ISC	**I 17 11 06 13**±1.7	**51.4N**±.13	**16.01E**±.092	**0**		**10**	**1-3**
ISC	Probably mining induced (after WAR)						¶97i2433
	(548) Poland						
ISC	**I 17 11 24 25**±4.6	**50.4N**±.45	**18.8E**±.20	**0**		**4**	**1-2**
ISC	Probably mining induced (after WAR), Poorly determined						¶97i2438
	(548) Poland						
ISC	**I 17 21 45 03**±2.0	**51.6N**±.16	**16.1E**±.12	**0**		**11**	**1-4**
NEIC	I 17 21 45 03.4	51.60N	16.15E	5			¶97i2539
ISC	Probably mining induced (after WAR)						
NEIC	M_L2.5(MOX), M_L2.1(CLL), Less reliable solution.						
	(543) Germany						
BUG	**I 17 22 20 22.4**	**51.6N**	**7.0E**	**1**	**1.0L**		¶97i2545
BUG	Mining induced event						
	(548) Poland						
ISC	**I 20 18 27 34**±2.3	**51.7N**±.18	**16.1E**±.11	**0**		**10**	**1-4**
NEIC	I 20 18 27 42.4	51.13N	15.76E	5			¶97i3061
ISC	Probably mining induced (after WAR)						
NEIC	M_L2.7(MOX), M_L2.2(CLL), Less reliable solution.						
	(548) Poland						
ISC	**I 21 17 26 30**±6.5	**50.3N**±.16	**18.3E**±.61	**0**		**5**	**0-3**
ISC	Probably mining induced (after WAR)						¶97i3210
	(548) Poland						
ISC	**I 22 19 42 36**±3.2	**51.6N**±.22	**16.1E**±.19	**0**		**10**	**1-4**
NEIC	I 22 19 42 41.3	51.30N	15.95E	5			¶97i3375
ISC	Probably mining induced (after WAR)						
NEIC	M_L2.3(CLL), Less reliable solution.						
	(548) Poland						
ISC	**I 22 20 12 57.9**±.45	**51.64N**±.040	**16.20E**±.060	**0**	3.3b	**41**	**1-60**
NEIC	I 22 20 12 58.3	51.61N	16.32E	5			¶97i3377
EIDC	I 22 20 12 59.5	51.5N	16.3E	0	3.4L,3.2b		
SZGRF	I 22 20 13 01.3	51.40N	16.25E	1	3.5L		
WAR	I 22 20 13 02.1	51.5N	16.1E		2.8		
NEIC	M_L3.6(VIE).						
WAR	Mining induced						
	(535) Southern Norway						
ISC	**I 23 15 58 16**±1.3	**59.40N**±.096	**6.0E**±.15	**0**		**5**	**0-1**
BER	I 23 15 58 16.6	59.3N	6.1E	0	1.5L,1.2D		¶97i3522
BER	Possible explosion						
	(543) Germany						
ISC	**I 23 18 25 47**±1.8	**51.5N**±.15	**7.7E**±.14	**0**		**7**	**0-2**
BUG	I 23 18 25 47.3	51.6N	7.6E	1	1.5L		¶97i3537
SZGRF	I 23 18 25 49.1	51.63N	7.63E	1	1.8L		
ISC	Poorly determined						
BUG	Mining induced event						
	(548) Poland						
ISC	**I 24 01 36 41**±1.8	**51.2N**±.16	**15.8E**±.12	**0**		**9**	**0-3**
ISC	Probably mining induced (after WAR)						¶97i3580
	(548) Poland						
ISC	**I 25 12 23 18.9**±.45	**51.63N**±.035	**16.16E**±.069	**0**	3.6b	**43**	**1-60**
NEIC	I 25 12 23 19.5	51.64N	16.15E	5	3.4b		¶97i3812
EIDC	I 25 12 23 21.0	51.6N	16.1E	0	3.6L,3.4b		
SZGRF	I 25 12 23 21.7	51.46N	16.22E	1	3.6L		
WAR	I 25 12 23 23	51.48N	16.09E		3.0		
NEIC	M_L3.5(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**I 25 13 05 33.7**±.53	**51.62N**±.044	**16.35E**±.090	**0**	3.4b	**29**	**1-60**
NEIC	I 25 13 05 34.5	51.62N	16.32E	5	3.2b		¶97i3816
EIDC	I 25 13 05 35.4	51.6N	16.6E	0	3.4L,3.3b		
WAR	I 25 13 05 37.6	51.4N	16.2E		2.8		
SZGRF	I 25 13 05 38.2	51.29N	16.27E	1	3.4L		
NEIC	M_L3.8(VIE), M_L3.6(GRF).						
WAR	Mining induced						
	(460) Wyoming						
ISC	**I 25 23 35 00**±1.0	**41.91N**±.088	**108.5W**±.16	**0**		**5**	**1-21**
EIDC	I 25 23 35 02.3	42.0N	108.6W	0	3.5L,2.9b		¶97i3857
ISC	Probably mine blast (after NEIC)						
	(548) Poland						
ISC	**I 26 15 40 25.2**±.90	**51.68N**±.068	**16.0E**±.16	**0**		**9**	**2-11**
NEIC	I 26 15 40 25.8	51.68N	16.25E	5			¶97i3961
EIDC	I 26 15 40 26.9	51.6N	16.3E	0	3.0L		
ISC	Probably mining induced (after WAR)						
NEIC	Less reliable solution.						
	(548) Poland						
ISC	**I 30 12 09 17.7**±.87	**51.60N**±.062	**16.2E**±.11	**0**		**11**	**1-11**
NEIC	I 30 12 09 18.7	51.60N	16.44E	5			¶97i4482
EIDC	I 30 12 09 20.2	51.5N	16.2E	0	3.2L		
WAR	I 30 12 09 52.7	51.5N	16.1E		2.9		
NEIC	MG3.1(WAR).						
WAR	Mining induced						
	(548) Poland						
ISC	**I 30 15 15 46.2**±.93	**50.0N**±.12	**19.13E**±.077	**0**		**11**	**0-5**
WAR	I 30 15 15 46.0	50.1N	19.1E		2.9		¶97i4503
WAR	Mining induced						
	(548) Poland						
ISC	**I 30 21 21 46.8**±.69	**50.42N**±.061	**18.90E**±.070	**0**		**15**	**1-12**
EIDC	I 30 21 21 47.8	50.3N	19.0E	0	3.3L		¶97i4541
NEIC	I 30 21 21 48.2	50.45N	18.98E	10			
WAR	I 30 21 21 48.9	50.3N	18.9E		3.0		
NEIC	MG2.9(WAR), Less reliable solution.						
WAR	Mining induced						
	(543) Germany						
SZGRF	**II 01 11 17 43.9**	**51.68N**	**7.57E**	**1**	**1.8L**		¶97ii0065
SZGRF	Probably mining induced						
	(548) Poland						
ISC	**II 01 12 22 58**±1.6	**51.6N**±.12	**16.2E**±.12	**0**		**17**	**1-4**
NEIC	II 01 12 22 58.6	51.54N	16.24E	5			¶97ii0070
WAR	II 01 12 23 01.2	51.5N	16.1E		2.7		
NEIC	M_L2.3(CLL), Less reliable solution.						
WAR	Mining induced						
	(548) Poland						
ISC	**II 01 16 15 51**±2.7	**51.7N**±.23	**16.2E**±.12	**0**		**8**	**2-3**
NEIC	II 01 16 16 01.6	51.10N	15.77E	10			¶97ii0099
ISC	Probably mining induced (after WAR)						
NEIC	M_L2.1(CLL), Less reliable solution.						
	(536) Sweden						
ISC	**II 02 12 59 41.9**±.69	**66.99N**±.070	**20.9E**±.22	**0**		**10**	**2-8**
EIDC	II 02 12 59 43.6	67.1N	21.1E	0	2.6L		¶97ii0222
ISC	Possible explosion						
	(535) Southern Norway						
BER	**II 03 14 19 26.0**	**58.3N**	**6.5E**	**0**	**1.7L,1.9D**		¶97ii0388
BER	Explosion						

	(548) Poland							
ISC	**II 04 04 47 28**±1.4	**50.4N**±.12	**18.85E**±.079	**0**		**12**	**1-4**	
WAR	II 04 04 47 29.5	50.4N	18.9E		2.8		**¶97ii0463**	
WAR	Mining induced							
	(548) Poland							
ISC	**II 04 14 28 39.6**±.53	**51.67N**±.042	**16.08E**±.072	**0**		**22**	**1-18**	
NEIC	II 04 14 28 40.6	51.69N	16.08E	5			**¶97ii0544**	
EIDC	II 04 14 28 41.8	51.6N	16.1E	0	3.3L			
WAR	II 04 14 28 44.1	51.5N	16.0E		3.1			
NEIC	M_L3.6(VIE).							
WAR	Mining induced							
	(548) Poland							
ISC	**II 05 03 35 38**±3.0	**51.6N**±.20	**16.0E**±.16	**0**		**7**	**1-3**	
ISC	Probably mining induced (after WAR)						**¶97ii0635**	
	(548) Poland							
ISC	**II 06 06 23 36.9**±.80	**51.67N**±.056	**15.91E**±.089	**0**		**12**	**1-11**	
NEIC	II 06 06 23 37.8	51.67N	16.34E	5			**¶97ii0806**	
EIDC	II 06 06 23 38.7	51.6N	15.9E	0	3.0L			
ISC	Probably mining induced							
	(543) Germany							
ISC	**II 06 10 10 45**±1.9	**51.56N**±.089	**7.2E**±.25	**0**		**4**	**0-1**	
BUG	II 06 10 10 43.6	51.6N	7.2E	1	1.4L		**¶97ii0821**	
ISC	Poorly determined							
BUG	Mining induced event							
	(548) Poland							
ISC	**II 06 20 41 37.0**±.56	**51.66N**±.044	**16.15E**±.085	**0**		**19**	**1-18**	
NEIC	II 06 20 41 38.1	51.69N	16.10E	5			**¶97ii0904**	
EIDC	II 06 20 41 39.1	51.6N	16.2E	0	3.2L			
WAR	II 06 20 41 41.3	51.5N	16.1E		2.6			
NEIC	M_L3.2(VIE).							
WAR	Mining induced							
	(495) Eastern Arizona							
ISC	**II 06 21 11 16**±2.0	**33.1N**±.20	**109.4W**±.25	**0**	3.1b	**5**	**3-39**	
EIDC	II 06 21 11 19.3	33.1N	109.3W	0	2.9L,3.3b		**¶97ii0907**	
ISC	Possible mine blast(after NEIC), Poorly determined							
	(548) Poland							
ISC	**II 07 04 19 45.3**±.49	**51.65N**±.038	**16.25E**±.071	**0**	3.4b	**33**	**1-60**	
NEIC	II 07 04 19 45.5	51.66N	16.30E	5	3.1b		**¶97ii0943**	
EIDC	II 07 04 19 47.2	51.6N	16.2E	0	3.4L,3.3b			
SZGRF	II 07 04 19 48.7	51.46N	16.23E	1	3.3L			
ISC	Probably mining induced (after WAR)							
NEIC	M_L3.3(VIE).							
	(548) Poland							
ISC	**II 07 13 07 42.7**±.89	**50.0N**±.10	**19.16E**±.086	**0**		**8**	**0-4**	
WAR	II 07 13 07 42.5	50.1N	19.1E		2.9		**¶97ii0989**	
WAR	Mining induced							
	(536) Sweden							
ISC	**II 07 13 36 14.6**±.72	**67.01N**±.073	**21.2E**±.20	**0**		**9**	**2-11**	
ISC	Possible explosion						**¶97ii0994**	
	(548) Poland							
ISC	**II 08 12 09 02.4**±.56	**51.58N**±.041	**16.3E**±.10	**0**	3.1b	**22**	**1-60**	
NEIC	II 08 12 09 03.1	51.59N	16.21E	5			**¶97ii1138**	
EIDC	II 08 12 09 04.9	51.5N	16.2E	0	3.3L,3.0b			
WAR	II 08 12 09 06	51.46N	16.12E		2.8			
NEIC	M_L3.4(VIE), M_L2.7(CLL).							
WAR	Mining induced							
	(536) Sweden							
EIDC	**II 08 13 36 16.2**	**67.1N**	**21.1E**	**0**	**2.9L**		**3-8**	
ISC	Possible explosion						**¶97ii1146**	
	(548) Poland							
ISC	**II 08 14 21 53.7**±.78	**51.64N**±.061	**16.15E**±.092	**0**		**11**	**1-11**	
EIDC	II 08 14 21 56.2	51.5N	16.0E	0	2.8L		**¶97ii1151**	
ISC	Probably mining induced (after WAR)							
	(460) Wyoming							
ISC	**II 08 20 13 11**±1.4	**43.5N**±.19	**105.0W**±.15	**0**	**3.8b**	**8**	**3-67**	
EIDC	II 08 20 13 12.2	43.4N	105.0W	0	3.9L,3.6b		**¶97ii1200**	
ISC	Possible mine blast (after NEIC)							
	(547) Czech and Slovak Republics							
ISC	**II 08 21 37 13.2**±.69	**49.74N**±.070	**18.38E**±.071	**0**		**15**	**0-5**	
ISC	Probably mining induced (after WAR)						**¶97ii1209**	
	(536) Sweden							
BER	**II 10 15 54 43.2**	**67.6N**	**21.7E**	**0**	**1.9D**		**¶97ii1479**	
BER	Possible explosion							
	(543) Germany							
BUG	**II 11 06 11 04.6**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97ii1591**	
BUG	Mining induced event							
	(536) Sweden							
ISC	**II 12 00 32 01.5**±.95	**67.8N**±.11	**20.4E**±.30	**0**		**7**	**2-8**	
ISC	Possible explosion						**¶97ii1690**	
	(548) Poland							
ISC	**II 12 11 09 44.7**±.55	**51.69N**±.043	**16.16E**±.083	**0**	3.5b	**37**	**1-60**	
NEIC	II 12 11 09 45.2	51.71N	16.14E	5	3.4b		**¶97ii1748**	
EIDC	II 12 11 09 46.4	51.6N	16.1E	0	3.5L,3.4b			
SZGRF	II 12 11 09 48.7	51.39N	16.18E	1	3.8L			
WAR	II 12 11 09 49.0	51.5N	16.0E		3.2			
NEIC	M_L3.7(VIE).							
WAR	Mining induced							
	(543) Germany							
SZGRF	**II 13 04 05 54.4**	**51.68N**	**7.23E**	**1**	**1.4L**		**¶97ii1871**	
BUG	II 13 04 06 54.5	51.6N	7.2E	1	0.9L			
BUG	Mining induced event							
	(548) Poland							
ISC	**II 13 05 40 22**±1.1	**51.48N**±.085	**16.07E**±.082	**0**		**33**	**1-11**	
NEIC	II 13 05 40 19.4	51.70N	16.18E	5			**¶97ii1879**	
EIDC	II 13 05 40 20.6	51.6N	16.4E	0	3.6L			
SZGRF	II 13 05 40 22.3	51.51N	16.13E	1	3.3L			
WAR	II 13 05 40 22.9	51.5N	16.1E		3.2			
NEIC	M_L3.3(VIE).							
WAR	Mining induced							
	(548) Poland							
ISC	**II 14 07 57 39.4**±.52	**51.72N**±.041	**16.19E**±.069	**0**	3.6b	**42**	**1-60**	
NEIC	II 14 07 57 39.9	51.73N	16.16E	5	3.5b		**¶97ii2040**	
EIDC	II 14 07 57 40.8	51.7N	16.1E	0	3.4L,3.5b			
SZGRF	II 14 07 57 43.5	51.44N	16.12E	1	3.6L			
WAR	II 14 07 57 44.2	51.5N	16.0E		3.2			
NEIC	M_L3.6(VIE).							
WAR	Mining induced							
	(548) Poland							
ISC	**II 15 07 22 23.2**±.62	**50.58N**±.048	**18.84E**±.075	**0**		**18**	**1-19**	
NEIC	II 15 07 22 24.1	50.60N	18.89E	5			**¶97ii2191**	
EIDC	II 15 07 22 25.6	50.6N	18.7E	0	3.2L			
WAR	II 15 07 22 26.6	50.4N	18.8E		3.2			
NEIC	MG3.2(WAR), Less reliable solution.							
WAR	Mining induced							
	(536) Sweden							
ISC	**II 15 13 00 19.6**±.62	**67.04N**±.063	**21.2E**±.19	**0**		**12**	**2-8**	
EIDC	II 15 13 00 21.2	67.2N	21.0E	0	3.0L		**¶97ii2235**	
ISC	Possible explosion							
	(543) Germany							
BUG	**II 15 18 07 59.7**	**51.6N**	**7.1E**	**1**	**1.2L**		**¶97ii2275**	
BUG	Mining induced event							
	(543) Germany							
ISC	**II 16 16 40 11.6**±.91	**49.31N**±.050	**6.8E**±.11	**0**		**16**	**0-3**	
LEDBW	II 16 16 40 12.9	49.34N	6.81E	1	2.4L		**¶97ii2392**	
SZGRF	II 16 16 40 13.4	49.33N	6.77E	1	2.1L			
LEDBW	Mining induced event							
	(548) Poland							
ISC	**II 18 05 29 41.0**±.52	**51.67N**±.041	**16.22E**±.070	**0**	3.5b	**38**	**1-60**	
NEIC	II 18 05 29 41.5	51.68N	16.19E	5			**¶97ii2604**	
EIDC	II 18 05 29 42.8	51.6N	16.1E	0	3.4L,3.4b			
SZGRF	II 18 05 29 43.4	51.52N	16.24E	1	3.4L			
WAR	II 18 05 29 44.9	51.5N	16.1E		2.9			
NEIC	M_L3.5(VIE).							
WAR	Mining induced							
	(548) Poland							
ISC	**II 18 21 09 51**±1.6	**51.5N**±.13	**16.05E**±.096	**0**		**11**	**1-4**	
NEIC	II 18 21 09 56.6	51.11N	15.77E	5			**¶97ii2690**	
ISC	Probably mining induced (after WAR)							
NEIC	Less reliable solution.							
	(548) Poland							
ISC	**II 20 03 41 35**±1.1	**50.3N**±.11	**18.86E**±.073	**0**		**11**	**0-4**	
WAR	II 20 03 41 36.6	50.2N	18.9E		2.8		**¶97ii2872**	
WAR	Mining induced							
	(536) Sweden							
ISC	**II 20 16 32 54.9**±.79	**67.06N**±.079	**20.8E**±.24	**0**		**12**	**2-11**	
EIDC	II 20 16 32 56.9	67.0N	21.0E	0	2.8L		**¶97ii2951**	
BER	II 20 16 33 00.4	67.1N	20.9E	0	2.5D			
BER	Possible explosion							
	(548) Poland							
ISC	**II 20 20 19 16.4**±.81	**50.0N**±.10	**18.57E**±.071	**0**		**12**	**0-4**	
WAR	II 20 20 19 17.2	50.02N	18.56E		2.8		**¶97ii2973**	
WAR	Mining induced							
	(543) Germany							
SZGRF	**II 20 23 14 58.7**	**51.69N**	**7.25E**	**1**	**1.5L**		**¶97ii2989**	
BUG	II 20 23 14 59.0	51.6N	7.1E	1	1.0L			
BUG	Mining induced event							
	(646) Northern Norway							
BER	**II 21 12 31 37.4**	**66.3N**	**14.8E**	**0**	**1.4L,2.0D**		**¶97ii3070**	
BER	Explosion							
	(548) Poland							
ISC	**II 21 20 24 13.6**±.75	**51.65N**±.060	**16.02E**±.091	**0**		**12**	**1-11**	
NEIC	II 21 20 24 13.8	51.62N	16.27E	5			**¶97ii3118**	
EIDC	II 21 20 24 15.3	51.5N	16.1E	0	2.9L			
ISC	Probably mining induced (after WAR)							
NEIC	MG2.4(WAR), Less reliable solution.							
	(460) Wyoming							
ISC	**II 21 21 01 55.4**±.87	**44.28N**±.082	**105.3W**±.16	**0**		**12**	**3-19**	
EIDC	II 21 21 01 59.2	44.5N	105.7W	0	3.8L		**¶97ii3124**	
ISC	Probably mine blast (after NEIC)							
	(548) Poland							
ISC	**II 22 04 25 44.3**±.50	**51.62N**±.039	**16.25E**±.078	**0**	3.2b	**34**	**1-60**	
NEIC	II 22 04 25 45.0	51.63N	16.21E	5			**¶97ii3168**	
EIDC	II 22 04 25 46.5	51.5N	16.3E	0	3.3L,3.1b			
SZGRF	II 22 04 25 46.7	51.52N	16.16E	1	3.1L			
WAR	II 22 04 25 48	51.48N	16.09E		2.7			
NEIC	M_L3.4(VIE).							
WAR	Mining induced							
	(548) Poland							
ISC	**II 22 10 52 32.1**±.37	**51.62N**±.032	**16.17E**±.061	**0**	**3.5b**	**53**	**1-75**	
NEIC	II 22 10 52 32.7	51.63N	16.17E	5	3.8b		**¶97ii3196**	
EIDC	II 22 10 52 33.6	51.6N	16.0E	0	3.7L,3.6b			
SZGRF	II 22 10 52 34.6	51.40N	16.22E	1	3.8L			
WAR	II 22 10 52 35.9	51.5N	16.1E		3.5			
NEIC	M_L3.9(VIE).							
NEIC	ML 3.9 (FUR).							
WAR	Mining induced							
	(548) Poland							
ISC	**II 22 12 07 33.9**±.39	**51.63N**±.033	**16.18E**±.064	**0**	3.6b	**47**	**1-60**	
NEIC	II 22 12 07 34.4	51.63N	16.18E	5	3.6b		**¶97ii3201**	
EIDC	II 22 12 07 36.1	51.6N	16.1E	0	3.5L,3.5b			
SZGRF	II 22 12 07 36.6	51.42N	16.22E	1	3.6L			
WAR	II 22 12 07 37.7	51.5N	16.1E					
NEIC	M_L3.9(GRF), M_L3.5(VIE).							
WAR	Probably mining induced							
	(548) Poland							
ISC	**II 22 12 29 02.7**±.71	**51.62N**±.057	**16.2E**±.10	**0**		**11**	**2-11**	
NEIC	II 22 12 29 03.7	51.65N	16.33E	5			**¶97ii3203**	
EIDC	II 22 12 29 04.9	51.6N	16.1E	0	2.4L			
ISC	Probably mining induced (after WAR)							
NEIC	Less reliable solution.							
	(543) Germany							
ISC	**II 22 20 49 26**±1.7	**51.6N**±.15	**7.9E**±.12	**0**		**8**	**0-4**	
BUG	II 22 20 49 25.8	51.7N	7.9E	1	1.6L		**¶97ii3247**	
SZGRF	II 22 20 49 28.4	51.72N	7.82E	1	1.8L			
BUG	Mining induced event							
	(548) Poland							
ISC	**II 23 14 09 08.9**±.53	**50.56N**±.044	**18.87E**±.067	**0**		**22**	**1-19**	
NEIC	II 23 14 09 09.5	50.56N	18.89E	5			**¶97ii3337**	
EIDC	II 23 14 09 10.0	50.5N	18.8E	0	3.3L			
WAR	II 23 14 09 11.9	50.4N	18.8E		3.3			
NEIC	M_L3.2(VIE).							
WAR	Mining induced							
	(548) Poland							
ISC	**II 24 20 45 39**±2.0	**51.4N**±.17	**15.7E**±.14	**0**		**5**	**1-3**	
ISC	Probably mining induced (after WAR)						**¶97ii3538**	
	(548) Poland							
ISC	**II 24 22 40 01.6**±.57	**51.68N**±.046	**16.20E**±.080	**0**		**28**	**1-18**	
NEIC	II 24 22 40 01.9	51.68N	16.18E	5			**¶97ii3546**	
EIDC	II 24 22 40 02.3	51.6N	16.2E	0	3.1L			
WAR	II 24 22 40 05.3	51.5N	16.1E		2.8			
SZGRF	II 24 22 40 07.7	51.43N	16.02E	1	3.2L			
NEIC	M_L3.6(VIE).							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
WAR	Mining induced						
	(547) Czech and Slovak Republics						
ISC	**II 25 04 57 07.8**±.71	**49.76N**±.097	**18.47E**±.073	**0**		**11**	**0-4**
ISC	Probably mining induced (after WAR)						**¶97iii3583**
	(548) Poland						
ISC	**II 26 00 52 44**±2.2	**51.4N**±.17	**15.8E**±.12	**0**		**8**	**1-3**
NEIC	II 26 00 52 44.6	51.40N	15.97E	5			**¶97iii3720**
ISC	Probably mining induced (after WAR)						
NEIC	Poor solution.						
	(548) Poland						
ISC	**II 26 06 52 25**±1.6	**51.5N**±.13	**16.0E**±.11	**0**		**17**	**1-4**
NEIC	II 26 06 52 24.2	51.60N	16.09E	5			**¶97iii3755**
WAR	II 26 06 52 26.5	51.5N	16.0E		2.9		
SZGRF	II 26 06 52 27.3	51.44N	16.03E	1	3.1L		
NEIC	Less reliable solution.						
WAR	Mining induced						
	(543) Germany						
ISC	**II 28 02 26 22**±7.7	**51.9N**±.43	**7.3E**±.26	**0**		**8**	**1-2**
BUG	II 28 02 26 29.3	51.6N	7.1E	1	1.3L		**¶97ii4103**
SZGRF	II 28 02 26 31.8	51.55N	7.21E	1	1.5L		
BUG	Mining induced event						
	(548) Poland						
ISC	**III 01 12 13 55.6**±.39	**51.66N**±.033	**16.17E**±.057	**0**	3.6b	**48**	**1-60**
NEIC	III 01 12 13 56.5	51.64N	16.16E	5			**¶97iii0105**
EIDC	III 01 12 13 57.8	51.6N	16.1E	0	3.6L,3.6b		
WAR	III 01 12 14 00	51.52N	16.11E		3.3		
NEIC	$M_{L4.0}$(GRF), $M_{L3.7}$(VIE).						
NEIC	ML 3.7 (FUR), 3.3 (CLL).						
WAR	Mining induced						
	(543) Germany						
ISC	**III 01 12 28 04**±9.1	**51.7N**±.58	**6.7E**±.32	**0**		**7**	**0-5**
BUG	III 01 12 28 07.9	51.5N	6.9E	1	1.6L		**¶97iii0107**
SZGRF	III 01 12 28 09.6	51.51N	6.92E	1	2.3L		
BUG	Mining induced event						
	(548) Poland						
ISC	**III 01 21 41 46.9**±.63	**50.44N**±.047	**19.19E**±.072	**0**		**20**	**0-19**
NEIC	III 01 21 41 47.8	50.47N	19.14E	5			**¶97iii0193**
EIDC	III 01 21 41 47.9	50.3N	19.3E	0	3.5L		
WAR	III 01 21 41 50.1	50.2N	19.1E		3.1		
NEIC	$MG_{2.9}$(WAR).						
WAR	Mining induced						
	(548) Poland						
ISC	**III 03 07 26 25**±3.6	**51.4N**±.25	**16.0E**±.20	**0**		**8**	**1-3**
ISC	Probably mining induced (after WAR)						**¶97iii0511**
	(548) Poland						
ISC	**III 04 01 59 10.8**±.84	**50.63N**±.076	**18.8E**±.10	**0**		**9**	**1-19**
NEIC	III 04 01 59 11.8	50.61N	18.86E	10			**¶97iii0748**
EIDC	III 04 01 59 13.0	50.6N	18.6E	0	2.9L		
ISC	Probably mining induced (after WAR)						
NEIC	$MG_{2.6}$(WAR).						
	(379) Near south coast of France						
ISC	**III 05 09 16 46.4**±.75	**43.42N**±.053	**5.50E**±.064	**0**		**20**	**0-2**
NEIC	III 05 09 16 46.3	43.42N	5.47E	5			**¶97iii1026**
STR	III 05 09 16 46.9	43.41N	5.45E	1	3.2L		
ISC	Possible rockburst						
	(548) Poland						
ISC	**III 05 10 19 58**±1.5	**50.5N**±.14	**18.8E**±.10	**0**		**7**	**1-2**
WAR	III 05 10 19 58.4	50.4N	18.8E		2.9		**¶97iii1035**
WAR	Mining induced						
	(533) United Kingdom						
ISC	**III 05 22 50 36**±6.1	**55.6N**±.42	**1.5W**±.47	**0**		**5**	**1-2**
ISC	Possible explosion (after HPK)						**¶97iii1143**
	(535) Southern Norway						
ISC	**III 07 14 17 07**±3.8	**60.40N**±.099	**5.6E**±.69	**0**		**4**	**1-4**
BER	III 07 14 17 05.0	60.4N	4.9E	0			**¶97iii1533**
ISC	Poorly determined						
BER	Explosion						
	(547) Czech and Slovak Republics						
ISC	**III 07 22 51 07.4**±.42	**50.00N**±.035	**18.68E**±.055	**0**		**52**	**0-20**
NEIC	III 07 22 51 08.3	49.95N	18.70E	10			**¶97iii1618**
EIDC	III 07 22 51 08.9	49.9N	18.6E	0	3.6L		
SZGRF	III 07 22 51 12.1	49.90N	18.46E	1	3.8L		
ISC	Probably mining induced						
NEIC	ML 3.3 (GRF), $M_{L3.5}$(VIE).						
	(548) Poland						
ISC	**III 08 14 18 17.6**±.77	**51.69N**±.055	**16.1E**±.11	**0**		**13**	**1-11**
NEIC	III 08 14 18 18.4	51.67N	16.29E	5			**¶97iii1765**
EIDC	III 08 14 18 20.3	51.6N	16.0E	0	3.0L		
ISC	Probably mining induced (after WAR)						
	(548) Poland						
ISC	**III 11 12 48 30.7**±.73	**51.71N**±.054	**16.11E**±.074	**0**		**15**	**1-11**
NEIC	III 11 12 48 31.6	51.72N	16.16E	5			**¶97iii2376**
EIDC	III 11 12 48 32.4	51.6N	16.1E	0	3.2L		
WAR	III 11 12 48 35.6	51.5N	16.0E		2.7		
NEIC	MG2.8(WAR), Less reliable solution.						
WAR	Mining induced						
	(548) Poland						
ISC	**III 11 19 13 14.9**±.52	**51.67N**±.041	**16.17E**±.069	**0**	3.7b	**40**	**1-60**
MOS	III 11 19 13 14.7	51.7N	16.3E	10	4.0b		**¶97iii2429**
NEIC	III 11 19 13 15.4	51.69N	16.12E	5			
EIDC	III 11 19 13 16.4	51.6N	16.2E	0	3.5L,3.6b		
WAR	III 11 19 13 19.2	51.5N	16.1E		3.4		
SZGRF	III 11 19 13 19.8	51.49N	16.04E	10	3.7L		
NEIC	ML 3.5 (VIE), $M_{L3.7}$(FUR).						
WAR	Mining induced						
	(536) Sweden						
ISC	**III 12 00 31 25**±1.5	**67.4N**±.14	**20.5E**±.43	**0**		**5**	**3-8**
ISC	Possible mining explosion (after UPP)						**¶97iii2458**
	(548) Poland						
ISC	**III 13 04 01 50.0**±.92	**51.71N**±.061	**16.1E**±.12	**0**		**10**	**1-11**
EIDC	III 13 04 01 51.5	51.6N	16.4E	0	2.9L		**¶97iii2640**
NEIC	III 13 04 01 57.3	51.27N	15.86E	5			
ISC	Probably mining induced (after WAR)						
NEIC	Poor solution.						
	(548) Poland						
ISC	**III 13 04 11 09.5**±.78	**50.04N**±.092	**19.12E**±.072	**0**		**11**	**0-4**
WAR	III 13 04 11 10.0	50.1N	19.1E		2.9		**¶97iii2641**
WAR	Mining induced						
	(548) Poland						
ISC	**III 13 20 29 38**±1.7	**51.4N**±.13	**15.95E**±.098	**0**		**10**	**1-3**
NEIC	III 13 20 29 40.1	51.32N	16.09E	5			**¶97iii2760**
ISC	Probably mining induced (after WAR)						
NEIC	MG2.6(WAR), Less reliable solution.						
	(548) Poland						
ISC	**III 13 23 48 58.0**±.44	**51.69N**±.034	**16.10E**±.065	**0**	3.5b	**50**	**1-60**
NEIC	III 13 23 48 58.4	51.70N	16.12E	5			**¶97iii2785**
EIDC	III 13 23 48 59.5	51.6N	16.0E	0	3.5L,3.5b		
SZGRF	III 13 23 49 01.4	51.54N	16.03E	1	3.8L		
WAR	III 13 23 49 02.2	51.5N	16.0E		3.3		
NEIC	ML 3.7 (FUR), $M_{L3.8}$(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**III 14 00 32 42**±1.9	**51.6N**±.15	**16.0E**±.11	**0**		**12**	**1-4**
NEIC	III 14 00 32 47.9	51.22N	15.67E	5			**¶97iii2788**
ISC	Prabably mining induced (after WAR)						
NEIC	M_L3.2(GRF), M_L3.0(VIE), Less reliable solution.						
	(548) Poland						
ISC	**III 14 02 20 14**±4.1	**51.4N**±.22	**15.9E**±.26	**0**		**7**	**1-4**
ISC	Probably mining induced (after WAR)						**¶97iii2798**
	(460) Wyoming						
EIDC	**III 14 23 19 50.7**	**44.6N**	**106.3W**	**0**	**3.4L**		**3-19**
							¶97iii2961
	(548) Poland						
ISC	**III 17 10 15 37**±1.1	**50.3N**±.11	**18.88E**±.078	**0**		**12**	**0-4**
WAR	III 17 10 15 38.3	50.3N	18.9E		3.0		**¶97iii3361**
WAR	Mining induced						
	(37) Nevada						
ISC	**III 17 22 00 11**±2.2	**39.3N**±.24	**115.1W**±.27	**0**	2.6b	**4**	**1-23**
EIDC	III 17 22 00 10.8	39.3N	115.1W	0	2.8L,2.7b		**¶97iii3439**
ISC	Possible mine blast (after NEIC), Poorly determined						
	(536) Sweden						
ISC	**III 18 00 29 46.6**±.77	**67.69N**±.079	**20.5E**±.21	**0**		**8**	**3-11**
ISC	Possible mining explotion (after UPP)						**¶97iii3455**
	(543) Germany						
BUG	**III 18 05 27 36.2**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97iii3491**
BUG	Mining induced event						
	(548) Poland						
ISC	**III 18 15 21 04**±2.0	**50.3N**±.16	**18.9E**±.17	**0**		**6**	**1-4**
ISC	Probably mining induced (after WAR)						**¶97iii3557**
	(548) Poland						
ISC	**III 18 17 02 58.4**±.53	**51.68N**±.040	**16.13E**±.072	**0**		**22**	**1-18**
NEIC	III 18 17 02 59.0	51.67N	16.16E	5			**¶97iii3570**
EIDC	III 18 17 03 00.4	51.6N	16.1E	0	3.2L		
WAR	III 18 17 03 02.7	51.5N	16.0E		3.0		
NEIC	$M_{L3.6}$(GRF), $M_{L3.3}$(VIE).						
WAR	Mining induced						
	(543) Germany						
BUG	**III 18 17 56 23.1**	**51.6N**	**7.1E**	**1**	**1.2L**		**¶97iii3574**
BUG	Mining induced event						
	(548) Poland						
ISC	**III 20 01 30 42**±6.2	**51.5N**±.37	**16.1E**±.39	**0**		**8**	**1-3**
NEIC	III 20 01 30 42.7	51.45N	16.40E	5			**¶97iii3805**
ISC	Probably mining induced (after WAR)						
NEIC	Poor solution.						
	(543) Germany						
ISC	**III 20 23 47 33.6**±.42	**49.33N**±.028	**6.71E**±.055	**0**		**30**	**0-4**
NEIC	III 20 23 47 34.9	49.34N	6.80E	10			**¶97iii3970**
LDG	III 20 23 47 35.2	49.4N	6.8E	2	2.6L		
LEDBW	III 20 23 47 35.7	49.34N	6.78E	1	2.1L		
SZGRF	III 20 23 47 36.2	49.34N	6.78E	1	1.9L		
NEIC	$M_{L2.6}$(STR)						
NEIC	Mining induced event in the Lorraine region, France.						
LEDBW	Mining induced event						
	(543) Germany						
ISC	**III 21 07 24 54.9**±.46	**49.33N**±.028	**6.67E**±.066	**0**		**25**	**0-3**
LDG	III 21 07 24 56.7	49.3N	6.7E	2	2.7L		**¶97iii4031**
LEDBW	III 21 07 24 57.4	49.34N	6.87E	1	2.1L		
SZGRF	III 21 07 24 57.6	49.34N	6.79E	1	1.9L		
NEIC	III 21 07 24 58.3	49.25N	6.53E	10			
LEDBW	Mining induced event						
NEIC	$M_{L2.6}$(STR).						
NEIC	ML 2.5 (DBN). Mining induced event in the Lorraine region, France.						
	(379) Near south coast of France						
ISC	**III 21 08 26 24.2**±.83	**43.43N**±.058	**5.52E**±.061	**0**		**14**	**0-2**
NEIC	III 21 08 26 24.0	43.41N	5.44E	7			**¶97iii4039**
NEIC	M_L2.7(STR), Single network solution.						
NEIC	Mining induced event in the Lorraine region, France.						
	(548) Poland						
ISC	**III 21 09 19 28.1**±.55	**51.62N**±.041	**16.28E**±.078	**0**	3.4b	**30**	**1-60**
NEIC	III 21 09 19 28.8	51.64N	16.22E	5	3.4b		**¶97iii4046**
EIDC	III 21 09 19 30.0	51.6N	16.2E	0	3.5L,3.4b		
SZGRF	III 21 09 19 31.8	51.46N	16.19E	1	3.5L		
WAR	III 21 09 19 32.3	51.5N	16.1E		3.0		
NEIC	$M_{L3.5}$(VIE), $M_{L3.2}$(CLL).						
WAR	Mining induced						
	(543) Germany						
ISC	**III 21 10 00 49.3**±.98	**49.11N**±.048	**6.8E**±.17	**0**		**9**	**1-2**
LEDBW	III 21 10 00 48.8	49.11N	6.59E	1	2.0L		**¶97iii4052**
LEDBW	Mining induced event						
	(536) Sweden						
ISC	**III 21 16 45 51.1**±.92	**67.09N**±.077	**20.9E**±.26	**0**		**7**	**3-11**
BER	III 21 16 45 55.8	67.1N	20.9E	0	2.7D		**¶97iii4102**
	(548) Poland						
ISC	**III 21 17 35 50.7**±.59	**50.52N**±.048	**18.87E**±.067	**0**		**30**	**1-19**
NEIC	III 21 17 35 52.1	50.59N	18.79E	10			**¶97iii4109**
WAR	III 21 17 35 53.3	50.3N	18.9E		3.5		
EIDC	III 21 17 35 53.7	50.6N	18.6E	0	3.5L		
SZGRF	III 21 17 35 55.8	50.23N	18.80E	1	3.5L		
NEIC	$M_{L3.5}$(VIE), $M_{L3.0}$(CLL).						
WAR	Mining induced						
	(548) Poland						
ISC	**III 22 04 28 01.2**±.53	**51.63N**±.043	**16.17E**±.081	**0**	3.6b	**28**	**1-60**
NEIC	III 22 04 28 01.7	51.63N	16.21E	5			**¶97iii4198**
EIDC	III 22 04 28 02.6	51.6N	16.3E	0	3.6L,3.5b		
WAR	III 22 04 28 05	51.48N	16.12E		3.0		
NEIC	$M_{L3.4}$(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**III 22 04 50 59**±1.4	**51.3N**±.11	**15.94E**±.083	**0**		**15**	**1-4**
NEIC	III 22 04 50 57.8	51.45N	16.07E	5			**¶97iii4202**

WAR	III	22 04 50 58.5	51.5N	16.1E		2.7		
NEIC	M_L3.3(VIE), Less reliable solution.							
WAR	Mining induced							
	(548) Poland							
ISC	**III**	**22 12 25 13.9**±.84	**51.70N**±.056	**16.0E**±.11	**0**		**13**	**1-11**
NEIC	III	22 12 25 14.6	51.70N	16.22E	5		**¶97iii4259**	
EIDC	III	22 12 25 16.2	51.6N	15.9E	0	3.0L		
ISC	Probably mining induced (after WAR)							
NEIC	M_L3.0(VIE), Less reliable solution.							
	(548) Poland							
ISC	**III**	**23 02 30 05.0**±.60	**51.64N**±.046	**16.15E**±.083	**0**	3.5b	**17**	**1-75**
NEIC	III	23 02 30 04.9	51.60N	16.39E	5		**¶97iii4366**	
EIDC	III	23 02 30 06.1	51.5N	16.6E	0	3.0L,3.5b		
WAR	III	23 02 30 09.0	51.5N	16.1E		2.5		
NEIC	M_G2.5(WAR).							
WAR	Mining induced							
	(548) Poland							
ISC	**III**	**24 20 18 17.6**±.48	**51.63N**±.037	**16.27E**±.069	**0**		**34**	**1-18**
NEIC	III	24 20 18 18.1	51.64N	16.24E	5		**¶97iii4613**	
EIDC	III	24 20 18 19.8	51.6N	16.2E	0	3.6L		
SZGRF	III	24 20 18 21.5	51.47N	16.11E	1	3.2L		
WAR	III	24 20 18 22	51.47N	16.08E		2.8		
NEIC	M_L3.4(GRF), M_L3.2(VIE).							
WAR	Mining induced							
	(536) Sweden							
ISC	**III**	**25 16 27 29.9**±.75	**67.01N**±.069	**21.2E**±.22	**0**		**10**	**3-8**
EIDC	III	25 16 27 31.3	67.1N	21.2E	0	2.9L	**¶97iii4757**	
BER	III	25 16 27 34.6	67.1N	21.2E	0	2.2L,2.6D		
BER	Possibly an explosion							
	(548) Poland							
ISC	**III**	**25 23 29 51.4**±.81	**51.73N**±.055	**16.06E**±.096	**0**		**13**	**1-11**
NEIC	III	25 23 29 51.9	51.71N	16.34E	5		**¶97iii4812**	
EIDC	III	25 23 29 53.2	51.6N	16.3E	0	2.9L		
ISC	Probably mining induced (after WAR)							
NEIC	M_G2.5(WAR).							
	(543) Germany							
BUG	**III**	**26 06 18 34.3**	**51.5N**	**6.9E**	**1**	**1.4L**	**¶97iii4851**	
BUG	Mining induced event							
	(495) Eastern Arizona							
ISC	**III**	**26 19 49 58**±1.2	**33.1N**±.13	**109.4W**±.13	**0**	3.1b	**5**	**3-30**
EIDC	III	26 19 50 00.4	33.0N	109.4W	0	3.5L,3.3b	**¶97iii5065**	
ISC	Possible mine blast (after NEIC)							
	(543) Germany							
BUG	**III**	**27 03 48 18.6**	**51.6N**	**7.1E**	**1**	**1.1L**	**¶97iii5133**	
BUG	Mining induced event							
	(543) Germany							
BUG	**III**	**27 11 46 11.9**	**51.5N**	**6.9E**	**1**	**1.5L**	**¶97iii5214**	
BUG	Mining induced event							
	(548) Poland							
ISC	**III**	**27 21 39 41.3**±.46	**51.69N**±.036	**16.20E**±.062	**0**	3.3b	**48**	**1-60**
NEIC	III	27 21 39 42.0	51.72N	16.11E	5		**¶97iii5315**	
EIDC	III	27 21 39 43.3	51.7N	16.0E	0	3.4L		
SZGRF	III	27 21 39 44.1	51.46N	16.25E	1	3.7L		
WAR	III	27 21 39 46.3	51.57N	16.0E		3.2		
NEIC	M_L3.7(VIE).							
WAR	Mining induced							
	(460) Wyoming							
ISC	**III**	**27 23 00 10.2**±.99	**44.6N**±.11	**105.6W**±.18	**0**		**6**	**3-19**
EIDC	III	27 23 00 13.2	44.6N	105.8W	0	3.6L	**¶97iii5326**	
ISC	Possible mine blast (after NEIC)							
	(548) Poland							
ISC	**III**	**28 10 12 18.2**±.81	**50.57N**±.067	**18.87E**±.097	**0**		**9**	**1-12**
NEIC	III	28 10 12 19.0	50.58N	18.82E	10		**¶97iii5416**	
EIDC	III	28 10 12 20.0	50.4N	18.8E	0	3.0L		
WAR	III	28 10 12 20.9	50.4N	18.8E		2.8		
NEIC	M_G2.9(WAR).							
WAR	Mining induced							
	(548) Poland							
ISC	**III**	**29 05 15 09.6**±.54	**51.69N**±.041	**16.23E**±.068	**0**		**23**	**1-18**
NEIC	III	29 05 15 09.9	51.72N	16.28E	5		**¶97iii5537**	
EIDC	III	29 05 15 11.2	51.6N	16.3E	0	3.2L		
WAR	III	29 05 15 15	51.48N	16.09E		2.8		
NEIC	M_L3.4(GRF), M_L3.2(VIE).							
WAR	Mining induced							
	(536) Sweden							
ISC	**III**	**30 00 29 55**±1.3	**67.7N**±.14	**20.4E**±.39	**0**		**5**	**3-8**
ISC	Possible mining explotion (after UPP)						**¶97iii5671**	
	(543) Germany							
BUG	**IV**	**01 01 11 23.8**	**51.5N**	**6.9E**	**1**	**0.9L**	**¶97iv0009**	
BUG	Mining induced event							
	(548) Poland							
ISC	**IV**	**01 11 15 52.7**±.34	**51.61N**±.027	**16.22E**±.057	**0**	**3.6b**	**64**	**1-84**
MOS	IV	01 11 15 53.5	51.6N	16.3E	10		**¶97iv0058**	
NEIC	IV	01 11 15 53.9	51.56N	16.20E	5	4.2b		
EIDC	IV	01 11 15 54.3	51.6N	16.0E	0	4.0L,3.5b		
SZGRF	IV	01 11 15 56.6	51.39N	16.15E	1	4.0L		
WAR	IV	01 11 15 56.8	51.5N	16.1E		3.4L		
MOS	Mb4−4.5							
NEIC	M_L3.9(VIE).							
WAR	Mining induced							
	(543) Germany							
BUG	**IV**	**02 06 14 41.3**	**51.5N**	**6.9E**	**1**	**1.3L**	**¶97iv0197**	
BUG	Mining induced event							
	(548) Poland							
ISC	**IV**	**02 15 03 53**±1.5	**51.2N**±.14	**15.68E**±.094	**0**		**11**	**1-3**
WAR	IV	02 15 03 49.6	51.5N	16.1E		2.7L	**¶97iv0261**	
NEIC	IV	02 15 03 55.4	51.04N	15.76E	5			
WAR	Mining induced							
NEIC	M_L3.5(VIE), Less reliable solution.							
	(543) Germany							
ISC	**IV**	**02 20 52 13**±1.3	**51.50N**±.084	**7.1E**±.16	**0**		**7**	**0-2**
BUG	IV	02 20 52 11.7	51.5N	7.1E	1	1.1L	**¶97iv0315**	
SZGRF	IV	02 20 52 15.5	51.49N	7.10E	1	1.7L		
ISC	Poorly determined							
BUG	Mining induced event							
	(479) Colorado							
ISC	**IV**	**02 23 30 36.4**±.53	**40.33N**±.042	**107.78W**±.075	**0**	3.0b	**23**	**2-23**
EIDC	IV	02 23 30 31.9	40.0N	107.7W	0	3.6L,2.9b	**¶97iv0350**	
ISC	Probable mining explosion (after NEIC)							
	(543) Germany							
BUG	**IV**	**03 10 25 12.7**	**51.6N**	**7.2E**	**1**	**0.9L**	**¶97iv0411**	
BUG	Mining induced event							
	(548) Poland							
ISC	**IV**	**03 17 56 11.6**±.92	**49.9N**±.12	**19.2E**±.10	**0**		**8**	**1-5**
ISC	Probably mining induced (after WAR)						**¶97iv0465**	
	(548) Poland							
ISC	**IV**	**04 01 27 15**±1.1	**50.2N**±.12	**19.02E**±.074	**0**		**10**	**0-4**
WAR	IV	04 01 27 15.8	50.3N	19.1E		3.0L	**¶97iv0522**	
WAR	Mining induced							
	(543) Germany							
ISC	**IV**	**04 04 07 40.0**±.65	**51.44N**±.057	**6.79E**±.078	**0**		**23**	**0-6**
BUG	IV	04 04 07 42.7	51.5N	6.9E	1	2.0L	**¶97iv0541**	
LDG	IV	04 04 07 43.2	51.4N	6.9E		3.0L		
SZGRF	IV	04 04 07 44.5	51.50N	6.90E		2.3L		
BUG	Mining induced event							
	(548) Poland							
ISC	**IV**	**04 05 13 29.5**±.57	**50.44N**±.045	**18.81E**±.067	**0**	3.5b	**22**	**1-62**
EIDC	IV	04 05 13 29.9	50.2N	19.0E	0	3.6L,3.2b	**¶97iv0547**	
NEIC	IV	04 05 13 30.7	50.40N	18.83E	10			
WAR	IV	04 05 13 31.7	50.3N	18.8E		3.4L		
NEIC	M_L3.5(VIE).							
WAR	Mining induced							
	(548) Poland							
ISC	**IV**	**05 03 35 03**±1.9	**51.6N**±.14	**16.1E**±.11	**0**		**12**	**1-4**
NEIC	IV	05 03 35 08.1	51.40N	15.78E	5		**¶97iv0687**	
ISC	Probably mining induced (after WAR)							
NEIC	MG2.5(WAR), Less reliable solution.							
	(548) Poland							
ISC	**IV**	**05 05 11 53.5**±.72	**51.64N**±.053	**16.11E**±.071	**0**		**15**	**1-11**
NEIC	IV	05 05 11 54.4	51.66N	16.28E	5		**¶97iv0702**	
EIDC	IV	05 05 11 55.9	51.6N	16.1E	0	3.1L		
WAR	IV	05 05 11 58.1	51.5N	16.1E		2.6L		
NEIC	MG2.2(WAR), Less reliable solution.							
WAR	Mining induced							
	(460) Wyoming							
ISC	**IV**	**05 16 31 43.9**±.48	**41.84N**±.039	**110.60W**±.080	**0**		**19**	**1-21**
EIDC	IV	05 16 31 43.7	41.6N	109.9W	0	2.6L,2.6b	**¶97iv0805**	
ISC	Possible mine blast (after NEIC)							
	(543) Germany							
BUG	**IV**	**06 19 05 49.4**	**51.5N**	**6.9E**	**1**	**0.9L**	**¶97iv1040**	
BUG	Mining induced event							
	(543) Germany							
BUG	**IV**	**06 21 01 11.2**	**51.6N**	**7.0E**	**1**	**0.7L**	**¶97iv1054**	
BUG	Mining induced event							
	(543) Germany							
BUG	**IV**	**07 07 25 21.2**	**51.6N**	**7.2E**	**1**	**0.9L**	**¶97iv1119**	
BUG	Mining induced event							
	(543) Germany							
ISC	**IV**	**07 12 11 43**±1.1	**51.7N**±.11	**7.9E**±.11	**0**		**9**	**0-2**
BUG	IV	07 12 11 43.1	51.7N	7.9E	1	2.3L	**¶97iv1155**	
SZGRF	IV	07 12 11 45.8	51.68N	7.92E	1	2.4L		
BUG	Mining induced event							
	(548) Poland							
ISC	**IV**	**08 06 48 37**±7.5	**51.5N**±.44	**15.9E**±.31	**0**		**5**	**1-3**
ISC	Probably mining induced (after WAR)						**¶97iv1287**	
	(536) Sweden							
ISC	**IV**	**10 15 36 50.2**±.71	**67.02N**±.072	**21.3E**±.20	**0**		**11**	**3-11**
EIDC	IV	10 15 36 52.7	67.1N	21.7E	0	2.9L	**¶97iv1710**	
BER	IV	10 15 36 54.2	67.1N	21.0E	0	2.9D		
BER	Possible explosion							
	(548) Poland							
ISC	**IV**	**10 19 41 23**±1.0	**50.3N**±.10	**18.87E**±.069	**0**		**14**	**0-4**
WAR	IV	10 19 41 24.0	50.2N	18.9E		2.8L	**¶97iv1737**	
WAR	Mining induced							
	(543) Germany							
BUG	**IV**	**11 09 15 21.0**	**51.5N**	**6.9E**	**1**	**1.2L**	**¶97iv1851**	
BUG	Mining induced event							
	(543) Germany							
BUG	**IV**	**11 10 11 20.3**	**51.7N**	**7.9E**	**1**	**1.9L**	**¶97iv1865**	
BUG	Mining induced event							
	(646) Northern Norway							
BER	**IV**	**11 10 37 55.1**	**66.4N**	**14.9E**	**0**	**2.1L,2.3D**	**¶97iv1875**	
BER	Explosion							
	(441) Ontario							
ISC	**IV**	**12 07 21 39.2**±.39	**48.14N**±.043	**80.00W**±.057	**0**	**3.6b**	**42**	**2-141**
EIDC	IV	12 07 21 41.1	48.1N	79.9W	0	3.5b,3.7L	**¶97iv2029**	
OTT	IV	12 07 21 42.1	48.1N	80.1W	0	3.7N		
OTT	Mining activity, Kirkland Lake, Ontario. Macassa mine. Felt 3km southwest from Kirkland Lake, Ontario							
	(548) Poland							
ISC	**IV**	**12 11 11 32**±3.8	**50.4N**±.48	**18.9E**±.14	**0**		**4**	**1-4**
ISC	Probably mining induced (after WAR), Poorly determined						**¶97iv2056**	
	(441) Ontario							
ISC	**IV**	**12 12 11 35.7**±.44	**48.37N**±.057	**79.94W**±.059	**0**	**3.7b**	**32**	**2-58**
EIDC	IV	12 12 11 37.9	48.1N	79.9W	0	3.7b,3.7L	**¶97iv2064**	
OTT	IV	12 12 11 38.3	48.1N	80.1W	0	3.7N		
OTT	Mining activity, Kirkland Lake, Ontario. Macassa Mine. Felt 3km southwest from Kirkland Lake, Ontario							
	(548) Poland							
ISC	**IV**	**13 09 52 46.9**±.35	**51.67N**±.030	**16.09E**±.049	**0**	**3.8b**	**73**	**1-78**
MOS	IV	13 09 52 46.5	51.6N	16.4E	10	4.0b	**¶97iv2216**	
NEIC	IV	13 09 52 47.4	51.67N	16.13E	5			
EIDC	IV	13 09 52 48.2	51.6N	16.2E	0	3.9L,3.8b		
SZGRF	IV	13 09 52 49.5	51.50N	16.22E	1	4.2L		
STR	IV	13 09 52 54.8	51.52N	15.69E	2	4.2L		
WAR	IV	13 09 53 51.0	51.54N	16.08E		3.7L		
NEIC	M_L3.7(FUR), M_L3.4(CLL).							
WAR	Mining induced							
	(548) Poland							
ISC	**IV**	**14 02 03 18.4**±.58	**50.46N**±.049	**18.78E**±.064	**0**		**23**	**1-19**
NEIC	IV	14 02 03 19.4	50.44N	18.78E	10		**¶97iv2365**	
EIDC	IV	14 02 03 19.4	50.3N	18.8E	0	3.5L		
WAR	IV	14 02 03 21.3	50.25N	18.86E		3.1L		
NEIC	M_G2.9(WAR).							
WAR	Mining induced							
	(478) Utah							
ISC	**IV**	**14 09 30 48.1**±.55	**39.05N**±.056	**111.39W**±.057	**0**		**15**	**1-5**
NEIC	IV	14 09 30 48.4	39.05N	111.39W	5		**¶97iv2433**	
ISC	Possible mining explosion (after NEIC)							
NEIC	M_D3.1(SLC).							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(548) Poland						
ISC	**IV 16 19 15 40.8**±.51	**51.68N**±.041	**16.19E**±.067	**0**	3.4b	**36**	**1-60**
NEIC	IV 16 19 15 41.1	51.68N	16.21E	5			**¶97iv2799**
EIDC	IV 16 19 15 42.7	51.6N	16.0E	0	3.6L,3.2b		
SZGRF	IV 16 19 15 44.9	51.52N	16.02E	1	3.1L		
WAR	IV 16 19 15 45.4	51.5N	16.0E		2.6L		
NEIC	M_L3.1(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 16 19 53 21.0**±.42	**51.70N**±.035	**16.09E**±.060	**0**	3.8b	**47**	**1-60**
NEIC	IV 16 19 53 21.4	51.69N	16.09E	5			**¶97iv2806**
EIDC	IV 16 19 53 22.4	51.6N	16.1E	0	3.7L,3.8b		
SZGRF	IV 16 19 53 23.3	51.60N	16.12E	1	3.7L		
WAR	IV 16 19 53 25.0	51.52N	16.05E		3.3L		
NEIC	M_L3.7(FUR).						
NEIC	ML 3.6 (VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 16 22 54 55**±1.2	**50.4N**±.11	**18.81E**±.084	**0**		**12**	**1-5**
ISC	Possibly mining induced (after WAR)						**¶97iv2818**
	(548) Poland						
ISC	**IV 17 09 56 10.0**±.66	**51.63N**±.051	**16.2E**±.11	**0**	3.1b	**18**	**1-60**
NEIC	IV 17 09 56 10.6	51.64N	16.24E	5	3.0b		**¶97iv2881**
EIDC	IV 17 09 56 12.3	51.6N	16.1E	0	3.4L,3.5s		
WAR	IV 17 09 56 14.1	51.5N	16.1E		2.8L		
NEIC	M_L2.6(CLL).						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 17 10 35 11.3**±.45	**51.62N**±.037	**16.19E**±.060	**0**	**3.7b**	**56**	**1-84**
NEIC	IV 17 10 35 11.6	51.65N	16.19E	5	3.8b		**¶97iv2886**
SZGRF	IV 17 10 35 13.0	51.48N	16.31E	1	4.1L		
MOS	IV 17 10 35 13.1	51.7N	16.0E	10	4.0b		
EIDC	IV 17 10 35 13.3	51.6N	16.2E	0	3.6L,3.7b		
WAR	IV 17 10 35 15.0	51.5N	16.1E		3.6L		
NEIC	M_L4.1(FUR), M_L4.0(VIE).						
NEIC	ML 3.6 (CLL).						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 17 12 06 40.0**±.37	**51.60N**±.033	**16.18E**±.060	**0**	**3.8b**	**56**	**1-84**
NEIC	IV 17 12 06 40.2	51.61N	16.21E	5	4.0b		**¶97iv2894**
SZGRF	IV 17 12 06 40.8	51.60N	16.24E	1	4.0L		
EIDC	IV 17 12 06 41.4	51.6N	16.3E	0	3.7L,3.7b		
MOS	IV 17 12 06 41.8	51.7N	15.9E	10	4.0b		
WAR	IV 17 12 06 43.0	51.51N	16.13E		3.6L		
NEIC	M_L3.9(VIE).						
WAR	Mining induced						
	(478) Utah						
ISC	**IV 17 15 05 00.9**±.47	**39.71N**±.046	**110.63W**±.067	**0**		**18**	**0-4**
NEIC	IV 17 15 05 01.1	39.71N	110.63W	5			**¶97iv2922**
ISC	Probable mining explosion (after NEIC)						
NEIC	M_D2.9(SLC).						
	(536) Sweden						
ISC	**IV 17 15 30 34.9**±.69	**67.06N**±.067	**20.9E**±.22	**0**		**10**	**3-11**
EIDC	IV 17 15 30 37.5	67.1N	21.3E	0	2.7L		**¶97iv2928**
BER	IV 17 15 30 39.6	67.1N	21.1E	0	2.9D		
BER	Possible explosion						
	(548) Poland						
ISC	**IV 17 16 17 52.1**±.66	**51.66N**±.046	**16.14E**±.096	**0**		**18**	**1-11**
NEIC	IV 17 16 17 52.4	51.64N	16.42E	5			**¶97iv2932**
EIDC	IV 17 16 17 54.2	51.6N	16.3E	0	3.1L		
WAR	IV 17 16 17 56.4	51.5N	16.1E		2.7L		
NEIC	M_L3.2(VIE).						
WAR	Mining induced						
	(543) Germany						
ISC	**IV 17 21 14 51**±2.1	**51.6N**±.18	**7.8E**±.15	**0**		**7**	**0-2**
BUG	IV 17 21 14 51.7	51.6N	7.7E	1	1.7L		**¶97iv2974**
SZGRF	IV 17 21 14 53.9	51.65N	7.70E	1	1.8L		
ISC	Poorly determined						
BUG	Mining induced event						
	(548) Poland						
ISC	**IV 19 01 43 04.8**±.80	**50.06N**±.095	**19.08E**±.070	**0**		**13**	**0-5**
WAR	IV 19 01 43 05.3	50.1N	19.1E		3.0L		**¶97iv3138**
WAR	Mining induced						
	(548) Poland						
ISC	**IV 19 08 27 47.2**±.61	**51.63N**±.041	**16.3E**±.10	**0**		**34**	**1-18**
NEIC	IV 19 08 27 47.7	51.64N	16.36E	5			**¶97iv3174**
EIDC	IV 19 08 27 49.1	51.6N	16.4E	0	3.5L		
SZGRF	IV 19 08 27 51.1	51.37N	16.20E	1	3.4L		
WAR	IV 19 08 27 51.8	51.4N	16.2E		3.1L		
NEIC	M_L3.7(GRF), M_L3.5(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 19 08 40 27**±1.0	**51.19N**±.095	**15.78E**±.084	**0**		**24**	**0-5**
SZGRF	IV 19 08 40 23.8	51.40N	16.19E	1	3.3L		**¶97iv3177**
WAR	IV 19 08 40 25.0	51.4N	16.2E		2.9L		
NEIC	IV 19 08 40 28.0	51.19N	15.78E	5			
WAR	Mining induced						
NEIC	M_L3.6(VIE), Less reliable solution.						
	(548) Poland						
ISC	**IV 19 12 22 21**±1.8	**51.5N**±.13	**16.04E**±.095	**0**		**10**	**1-3**
NEIC	IV 19 12 22 27.8	51.15N	15.84E	5			**¶97iv3197**
ISC	Probably mining induced (after WAR)						
NEIC	MG2.2(WAR), Less reliable solution.						
	(548) Poland						
ISC	**IV 21 07 09 26**±1.2	**50.3N**±.11	**18.87E**±.080	**0**		**10**	**1-4**
WAR	IV 21 07 09 26.0	50.4N	18.9E		3.0L		**¶97iv3420**
WAR	Mining induced						
	(548) Poland						
ISC	**IV 21 16 37 14.2**±.60	**51.68N**±.048	**16.23E**±.078	**0**		**17**	**1-18**
NEIC	IV 21 16 37 14.7	51.66N	16.32E	5			**¶97iv3535**
EIDC	IV 21 16 37 15.9	51.6N	16.3E	0	3.5L		
WAR	IV 21 16 37 18.9	51.5N	16.1E		2.6L		
NEIC	M_L3.4(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 21 19 44 21.2**±.51	**51.60N**±.039	**16.25E**±.071	**0**	3.5b	**41**	**1-60**
NEIC	IV 21 19 44 21.6	51.60N	16.26E	5	3.4b		**¶97iv3564**
EIDC	IV 21 19 44 22.9	51.5N	16.3E	0	3.6L,3.5b		
WAR	IV 21 19 44 25.0	51.47N	16.13E		3.2L		
SZGRF	IV 21 19 44 26.0	51.35N	16.14E	10	3.6L		
NEIC	M_L3.7(VIE).						
WAR	Mining induced						
	(535) Southern Norway						
BER	**IV 22 13 19 00.9**	**58.3N**	**6.3E**	**0**	**1.6L,1.9D**		**¶97iv3741**
BER	Explosion						
	(543) Germany						
BUG	**IV 22 18 22 04.4**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97iv3805**
BUG	Mining induced event						
	(548) Poland						
ISC	**IV 23 03 56 49.1**±.58	**51.71N**±.046	**16.07E**±.088	**0**		**26**	**1-18**
NEIC	IV 23 03 56 49.8	51.73N	16.09E	5			**¶97iv3891**
EIDC	IV 23 03 56 49.8	51.6N	16.0E	0	3.1L		
SZGRF	IV 23 03 56 50.5	51.42N	16.30E	10	3.3L		
WAR	IV 23 03 56 53.3	51.5N	16.0E		2.8L		
NEIC	M_L3.5(VIE).						
WAR	Mining induced						
	(548) Poland						
WAR	**IV 23 15 12 07.8**	**51.4N**	**16.2E**		**2.5L**		**¶97iv3982**
WAR	Mining induced						
	(548) Poland						
ISC	**IV 23 15 22 02.8**±.56	**51.64N**±.042	**16.23E**±.081	**0**		**17**	**1-18**
NEIC	IV 23 15 22 03.3	51.64N	16.33E	5			**¶97iv3986**
EIDC	IV 23 15 22 04.8	51.5N	16.2E	0	3.3L		
ISC	Probably mining induced (after WAR)						
NEIC	M_L3.0(VIE).						
	(548) Poland						
ISC	**IV 23 22 37 38.4**±.55	**51.62N**±.043	**16.22E**±.071	**0**	3.1b	**26**	**1-60**
NEIC	IV 23 22 37 39.1	51.63N	16.24E	5			**¶97iv4036**
EIDC	IV 23 22 37 41.0	51.6N	15.9E	0	3.2L,3.1b		
WAR	IV 23 22 37 42.3	51.5N	16.1E		2.5L		
SZGRF	IV 23 22 37 42.4	51.50N	16.06E	10	3.0L		
NEIC	M_L3.3(VIE)						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 24 02 52 49**±2.1	**51.6N**±.15	**16.1E**±.11	**0**		**12**	**1-4**
NEIC	IV 24 02 52 56.5	51.20N	15.82E	5			**¶97iv4071**
ISC	Probably mining induced (after WAR)						
NEIC	M_L2.7(VIE), Less reliable solution.						
	(548) Poland						
ISC	**IV 24 11 52 41**±1.3	**51.2N**±.11	**15.76E**±.082	**0**		**12**	**0-3**
WAR	IV 24 11 52 38.1	51.5N	16.1E		2.8L		**¶97iv4137**
NEIC	IV 24 11 52 42.3	51.19N	15.82E	5			
WAR	Mining induced						
NEIC	M_L2.7(CLL), Less reliable solution.						
	(548) Poland						
ISC	**IV 26 08 52 51.6**±.61	**51.66N**±.046	**16.30E**±.090	**0**		**18**	**1-11**
NEIC	IV 26 08 52 52.1	51.65N	16.34E	5			**¶97iv4504**
EIDC	IV 26 08 52 53.5	51.6N	16.7E	0	3.2L		
WAR	IV 26 08 52 56.0	51.5N	16.1E		3.0L		
NEIC	M_L3.5(VIE).						
WAR	Mining induced						
	(548) Poland						
ISC	**IV 26 12 23 39.8**±.49	**51.68N**±.037	**16.07E**±.073	**0**	3.4b	**38**	**1-60**
NEIC	IV 26 12 23 40.0	51.69N	16.10E	5	3.4b		**¶97iv4549**
SZGRF	IV 26 12 23 42.1	51.49N	16.21E	1	3.5L		
EIDC	IV 26 12 23 42.1	51.6N	15.9E	0	3.5L,3.3b		
WAR	IV 26 12 23 44.3	51.5N	16.1E		3.2L		
NEIC	M_L3.4(VIE), M_L3.1(CLL).						
WAR	Mining induced						
	(460) Wyoming						
ISC	**IV 26 15 45 11.4**±.88	**41.66N**±.068	**108.7W**±.12	**0**		**12**	**2-4**
ISC	Probable mining explosion (after NEIC)						**¶97iv4572**
	(548) Poland						
ISC	**IV 26 15 52 41**±3.8	**51.6N**±.25	**16.0E**±.21	**0**		**11**	**1-4**
NEIC	IV 26 15 52 46.1	51.31N	15.98E	5			**¶97iv4573**
ISC	Probably mining induced (after WAR)						
NEIC	M_L3.0(VIE), M_L2.3(CLL), Poor solution.						
	(536) Sweden						
ISC	**IV 26 23 22 49.7**±.94	**67.8N**±.12	**20.5E**±.25	**0**		**7**	**2-10**
ISC	Probable mining explosion (after UPP)						**¶97iv4623**
	(460) Wyoming						
ISC	**IV 27 18 21 37.9**±.79	**41.83N**±.061	**108.9W**±.11	**0**		**14**	**1-4**
ISC	Probable mining explosion (after NEIC)						**¶97iv4773**
	(548) Poland						
ISC	**IV 27 18 25 50**±3.2	**51.3N**±.23	**15.9E**±.20	**0**		**13**	**1-4**
WAR	IV 27 18 25 49.6	51.4N	16.1E		2.6L		**¶97iv4775**
NEIC	IV 27 18 25 54.2	51.05N	15.86E	5			
WAR	Mining induced						
NEIC	M_L3.1(VIE), M_L3.0(GRF).						
	(548) Poland						
ISC	**IV 29 15 11 12.3**±.46	**51.68N**±.039	**16.17E**±.074	**0**	3.3b	**34**	**1-60**
NEIC	IV 29 15 11 12.7	51.68N	16.21E	5			**¶97iv5098**
EIDC	IV 29 15 11 14.5	51.6N	16.2E	0	3.5L,3.1b		
SZGRF	IV 29 15 11 14.6	51.61N	16.18E	1	3.4L		
WAR	IV 29 15 11 16.3	51.5N	16.1E		3.2L		
NEIC	M_L3.4(VIE).						
WAR	Mining induced						
	(495) Eastern Arizona						
ISC	**IV 30 20 12 43**±2.1	**33.1N**±.21	**109.6W**±.25	**0**	3.0b	**4**	**3-39**
EIDC	IV 30 20 12 46.0	33.2N	109.5W	0	3.0b,3.0L		**¶97iv5259**
ISC	Probable mining explosion (after NEIC), Poorly determined						
	(548) Poland						
ISC	**V 02 01 12 06.4**±.41	**51.68N**±.035	**16.15E**±.059	**0**	3.3b	**39**	**1-60**
NEIC	V 02 01 12 07.1	51.70N	16.14E	5	3.4b		**¶97v0188**
MOS	V 02 01 12 07.7	51.6N	16.2E	10	3.8b		
EIDC	V 02 01 12 08.4	51.6N	16.1E	0	3.5L,3.3b		
SZGRF	V 02 01 12 08.7	51.5N	16.2E	1	3.6L		
WAR	V 02 01 12 11.0	51.5N	16.0E		3.3L		
NEIC	M_L3.5(VIE).						
WAR	Mining induced						
	(543) Germany						
BUG	**V 02 15 58 27.8**	**51.6N**	**7.7E**	**1**	**1.4L**		**¶97v0293**
BUG	Mining induced event						
	(548) Poland						
ISC	**V 02 17 03 48**±2.2	**51.6N**±.17	**16.0E**±.12	**0**		**9**	**1-3**
NEIC	V 02 17 03 56.9	51.13N	15.66E	5			**¶97v0300**
ISC	Possibly mining induced (after WAR)						
NEIC	M_L2.1(CLL), Less reliable solution.						

(548) Poland
ISC V 02 17 05 56.6±.74 **51.70N**±.056 **16.07E**±.098 **0** **14 1-11**
NEIC V 02 17 05 57.2 51.70N 16.16E 5 **¶97v0301**
EIDC V 02 17 05 58.7 51.6N 16.1E 0 3.2L
WAR V 02 17 06 01.0 51.5N 17.0E 2.9L
NEIC $M_{L2.5}$(CLL).
WAR Mining induced
(479) Colorado
ISC V 02 22 09 01±1.6 **40.6N**±.12 **107.5W**±.28 **0** 2.7b **4 3-22**
EIDC V 02 22 09 02.4 40.7N 107.3W 0 3.1L,2.7b **¶97v0335**
ISC Probable mine blast (after NEIC), Poorly determined
(548) Poland
ISC V 02 22 22 04.0±.63 **51.64N**±.048 **16.28E**±.098 **0** **17 1-18**
NEIC V 02 22 22 04.6 51.65N 16.30E 5 **¶97v0336**
EIDC V 02 22 22 05.4 51.6N 16.4E 0 3.1L
WAR V 02 22 22 08.0 51.5N 16.1E 2.7L
NEIC $M_{L3.1}$(VIE).
WAR Mining induced
(543) Germany
BUG V 06 13 42 55.4 51.6N 7.0E 1 0.6L ¶97v0974
BUG Mining induced event
(536) Sweden
ISC V 06 15 55 43.4±.65 **67.03N**±.060 **21.0E**±.20 **0** **11 2-11**
EIDC V 06 15 55 46.1 67.0N 21.4E 0 2.9L **¶97v0984**
BER V 06 15 55 47.9 67.1N 21.0E 0
ISC Possible explosion
(548) Poland
ISC V 07 17 36 15.3±.48 **50.48N**±.039 **18.80E**±.062 **0** **26 1-19**
NEIC V 07 17 36 15.7 50.47N 18.79E 5 **¶97v1129**
EIDC V 07 17 36 16.7 50.4N 18.7E 0 3.5L
WAR V 07 17 36 17.9 50.3N 18.8E 3.2L
NEIC $M_{L3.5}$(VIE).
WAR Mining induced
(548) Poland
ISC V 07 23 06 37.9±.44 **51.61N**±.037 **16.24E**±.078 **0** 3.3b **26 1-60**
NEIC V 07 23 06 38.6 51.62N 16.20E 5 **¶97v1154**
EIDC V 07 23 06 39.5 51.6N 16.1E 0 3.5L
WAR V 07 23 06 42.3 51.4N 16.1E 2.8L
NEIC $M_{L3.2}$(VIE).
WAR Mining induced
(543) Germany
BUG V 08 01 55 54.6 51.5N 7.1E 1 1.1L ¶97v1167
BUG Mining induced event
(548) Poland
ISC V 08 03 35 38±1.3 **51.52N**±.098 **16.0E**±.10 **0** **21 1-5**
NEIC V 08 03 35 37.9 51.57N 16.08E 5 **¶97v1174**
SZGRF V 08 03 35 38.4 51.4N 16.2E 1 3.3L
WAR V 08 03 36 08.9 51.5N 16.0E 2.9L
NEIC M_L3.5(VIE), Less reliable solution.
WAR Mining induced
(548) Poland
ISC V 08 20 13 49.3±.82 **50.61N**±.064 **18.7E**±.14 **0** **13 1-19**
NEIC V 08 20 13 50.1 50.63N 18.59E 5 **¶97v1305**
EIDC V 08 20 13 51.8 50.6N 18.5E 0 2.9L
ISC Probably mining induced (after WAR)
NEIC Less reliable solution.
(548) Poland
ISC V 08 23 02 55.5±.63 **51.67N**±.047 **16.14E**±.090 **0** **15 1-18**
NEIC V 08 23 02 56.0 51.66N 16.26E 5 **¶97v1322**
EIDC V 08 23 02 56.9 51.6N 16.1E 0 3.0L
WAR V 08 23 02 59.6 51.5N 16.1E 2.5L
NEIC $M_{L3.0}$(VIE).
WAR Mining induced
(535) Southern Norway
BER V 09 11 54 50.3 58.8N 5.9E 0 1.3D ¶97v1418
BER Possible explosion
(543) Germany
BUG V 11 00 39 21.1 51.5N 7.1E 1 1.0L ¶97v1691
BUG Mining induced event
(548) Poland
ISC V 12 16 52 32±4.1 **51.6N**±.25 **16.2E**±.27 **0** **8 1-3**
NEIC V 12 16 52 39.4 51.11N 15.93E 5 **¶97v2012**
ISC Possibly mining induced (after WAR)
NEIC Less reliable solution.
(548) Poland
ISC V 13 15 24 02.8±.66 **51.62N**±.047 **16.20E**±.097 **0** **15 1-19**
NEIC V 13 15 24 03.2 51.57N 16.56E 5 **¶97v2273**
EIDC V 13 15 24 04.5 51.5N 16.3E 0 3.3L
WAR V 13 15 24 07.4 51.4N 16.2E 2.5L
NEIC $M_{L3.2}$(VIE).
WAR Mining induced
(548) Poland
ISC V 13 18 37 00.9±.30 **51.61N**±.027 **16.16E**±.049 **0** **3.9b** **68 1-125**
NEIC V 13 18 37 01.6 51.61N 16.15E 5 3.8b **¶97v2294**
MOS V 13 18 37 02.2 51.6N 16.1E 10 4.0b
EIDC V 13 18 37 02.9 51.6N 16.2E 0 3.9L,3.9b
SZGRF V 13 18 37 04.6 51.4N 16.2E 1 3.9L
WAR V 13 18 37 05.0 51.5N 16.1E 3.6L
NEIC $ML_{4.1}$(VIE)$M_{L4.1}$(FUR).
WAR Mining induced
(543) Germany
BUG V 13 22 28 09.7 51.5N 6.6E 1 1.5L ¶97v2344
BUG Mining induced event
(543) Germany
ISC V 13 23 47 26.2±.46 **49.15N**±.032 **6.85E**±.066 **0** **28 1-5**
LEDBW V 13 23 47 26.5 49.12N 6.73E 1 2.5L **¶97v2356**
STR V 13 23 47 27.0 49.11N 6.81E 1 3.0L
NEIC V 13 23 47 27.0 49.34N 7.09E 5
SZGRF V 13 23 47 27.5 49.2N 6.8E 1 2.6L
UCC V 13 23 47 41.1 49.67N 6.15E 10 2.6L
LEDBW Mining induced event
NEIC Less reliable solution.
NEIC Mining induced event in the Lorraine region, France.
(548) Poland
ISC V 14 03 49 27.9±.37 **51.62N**±.030 **16.20E**±.059 **0** **3.7b** **54 1-84**
MOS V 14 03 49 28.9 51.6N 16.2E 10 4.0b **¶97v2383**
SZGRF V 14 03 49 29.0 51.4N 16.3E 1 3.8L
NEIC V 14 03 49 29.5 51.52N 16.18E 5 3.8b
EIDC V 14 03 49 29.5 51.5N 16.2E 0 3.8L,3.6b
WAR V 14 03 49 33.9 51.5N 16.1E 3.3L
NEIC $ML_{3.8}$(VIE), $M_{L3.9}$(FUR).
WAR Mining induced
(535) Southern Norway
BER V 14 09 59 36.8 60.8N 5.1E 0 1.4D ¶97v2426
BER Explosion
(548) Poland
ISC V 14 12 40 35.2±.63 **51.65N**±.047 **16.2E**±.10 **0** 3.5b **17 1-60**
NEIC V 14 12 40 35.9 51.66N 16.20E 5 **¶97v2448**
EIDC V 14 12 40 37.1 51.6N 16.1E 0 3.5L,3.4b
ISC Probably mining induced (after WAR)
NEIC $M_{L3.7}$(VIE).
(535) Southern Norway
ISC V 15 03 55 33±1.0 **60.80N**±.059 **5.1E**±.23 **0** **6 0-2**
BER V 15 03 55 34.1 60.8N 4.9E 0 0.8L,1.5D **¶97v2557**
BER Explosion
(460) Wyoming
EIDC V 15 12 30 53.6 44.1N 105.6W 0 3.4L 3-19
NEIC Probable mining explosion **¶97v2616**
(545) Northern Italy
LJU V 15 12 34 08.6 45.7N 13.8E 0 ¶97v2617
LJU Explosion
(535) Southern Norway
ISC V 16 13 18 01±13 **58.2N**±.87 **6.3E**±.56 **0** **5 1-2**
BER V 16 13 18 03.2 58.2N 6.4E 0 1.3L,2.1D **¶97v2777**
BER Explosion
(548) Poland
ISC V 16 18 33 00±1.8 **51.6N**±.14 **16.1E**±.12 **0** **10 1-4**
WAR V 16 18 33 02.7 51.5N 16.0E 2.6L **¶97v2821**
NEIC V 16 18 33 06.1 51.25N 15.64E 5
WAR Mining induced
NEIC M_L3.2(VIE), Less reliable solution.
(543) Germany
BUG V 17 11 06 04.3 51.6N 7.2E 1 1.0L ¶97v2917
BUG Mining induced event
(548) Poland
ISC V 17 21 35 33.4±.61 **51.66N**±.047 **16.17E**±.099 **0** **16 1-18**
NEIC V 17 21 35 34.1 51.66N 16.15E 5 **¶97v2991**
EIDC V 17 21 35 34.8 51.6N 15.9E 0 2.9L
WAR V 17 21 35 36.9 51.5N 16.1E 2.7L
NEIC $M_{L3.3}$(GRF).
WAR Mining induced
(548) Poland
ISC V 18 11 02 22.2±.71 **51.60N**±.054 **16.24E**±.083 **0** **14 1-11**
NEIC V 18 11 02 22.3 51.58N 16.46E 5 **¶97v3069**
EIDC V 18 11 02 23.7 51.5N 16.4E 0 3.1L
WAR V 18 11 02 26.6 51.4N 16.2E 2.4L
NEIC $M_{L3.1}$(VIE).
WAR Mining induced
(548) Poland
ISC V 19 01 06 58±1.6 **51.6N**±.13 **16.2E**±.12 **0** **11 1-4**
WAR V 19 01 07 02.5 51.5N 16.0E 2.7L **¶97v3174**
NEIC V 19 01 07 05.5 51.25N 15.69E 5
WAR Mining induced
NEIC M_L3.6(VIE), Less reliable solution.
(548) Poland
ISC V 19 11 25 07±1.6 **51.6N**±.12 **16.2E**±.11 **0** **12 1-4**
NEIC V 19 11 25 08.0 51.56N 16.37E 5 **¶97v3248**
WAR V 19 11 25 11.0 51.47N 16.13E 3.0L
NEIC M_L3.6(VIE), Less reliable solution.
WAR Mining induced
(548) Poland
EIDC V 19 11 28 36.0 50.2N 19.5E 0 4.0L 11-20
ISC Probably mining induced (after WAR) **¶97v3249**
(548) Poland
ISC V 19 18 32 56.1±.61 **50.46N**±.053 **18.90E**±.067 **0** 3.3b **19 1-62**
NEIC V 19 18 32 56.9 50.44N 18.89E 5 **¶97v3291**
WAR V 19 18 32 58.5 50.3N 18.9E 3.2L
EIDC V 19 18 32 58.9 50.5N 18.6E 0 3.1L
WAR Mining induced
(535) Southern Norway
BER V 20 14 42 46.1 60.9N 5.0E 0 1.4D ¶97v3420
BER Explosion
(548) Poland
ISC V 20 21 19 48±1.4 **51.4N**±.12 **15.32E**±.079 **0** **14 1-3**
SZGRF V 20 21 19 47.4 51.6N 15.5E 1 2.3L **¶97v3459**
WAR V 20 21 19 49.0 51.5N 15.3E
WAR POLONAISE97 experiment, explosion 900 kg
(548) Poland
ISC V 20 22 19 47.3±.88 **53.48N**±.090 **19.8E**±.18 **0** **7 2-16**
EIDC V 20 22 19 47.9 53.3N 20.4E 0 3.2L **¶97v3469**
WAR V 20 22 19 49.0 53.3N 20.1E
WAR POLONAISE97 experiment, explosion 900 kg
(548) Poland
ISC V 20 22 49 45.9±.63 **51.77N**±.047 **15.8E**±.10 **0** **16 1-18**
NEIC V 20 22 49 46.5 51.77N 15.78E 5 **¶97v3475**
EIDC V 20 22 49 47.7 51.6N 15.8E 0 3.0L
SZGRF V 20 22 49 48.4 51.7N 15.8E 1 2.3L
WAR V 20 22 49 49.0 51.6N 15.7E
WAR POLONAISE97 experiment, explosion 300 kg
(548) Poland
ISC V 20 23 34 57.1±.70 **52.78N**±.058 **15.3E**±.20 **0** **12 2-17**
EIDC V 20 23 34 58.4 52.7N 15.9E 0 3.0L **¶97v3478**
WAR V 20 23 35 00.0 52.6N 15.4E
SZGRF V 20 23 35 01.0 52.6N 15.4E 1
WAR POLONAISE97 experiment, explosion 1000 kg
(548) Poland
WAR V 21 00 19 49.0 53.4N 20.5E ¶97v3483
WAR POLONAISE97 experiment, explosion 200 kg
(535) Southern Norway
ISC V 21 17 20 44±1.1 **60.81N**±.073 **5.2E**±.20 **0** **5 0-3**
BER V 21 17 20 45.1 60.8N 5.1E 0 1.7D **¶97v3586**
BER Explosion
(548) Poland
ISC V 21 21 19 45.0±.63 **52.05N**±.048 **16.5E**±.11 **0** **17 1-18**
EIDC V 21 21 19 44.8 51.8N 17.0E 0 3.2L **¶97v3608**
NEIC V 21 21 19 45.0 52.05N 16.54E 5
SZGRF V 21 21 19 48.8 51.8N 16.4E 0 2.3L
WAR V 21 21 19 49.0 51.9N 16.3E
NEIC MG2.5(WAR), Less reliable solution.
WAR POLONAISE97 experiment, explosion 900 kg

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	(548) Poland						
ISC	**V 21 22 04 56.0**±.58	**52.38N**±.045	**17.1E**±.11	**0**		**16**	**2-18**
NEIC	V 21 22 04 56.4	52.39N	17.02E	5			**¶97v3611**
EIDC	V 21 22 04 57.9	52.3N	17.0E	0	3.1L		
SZGRF	V 21 22 04 59.0	52.1N	17.2E	0	2.3L		
WAR	V 21 22 05 00.0	52.2N	17.0E				
WAR	POLONAISE97 experiment, explosion 1000 kg						
	(548) Poland						
ISC	**V 22 00 34 56.8**±.60	**51.93N**±.046	**17.7E**±.11	**0**		**19**	**1-18**
NEIC	V 22 00 34 57.1	51.94N	17.71E	5			**¶97v3658**
EIDC	V 22 00 34 58.7	51.9N	17.8E	0	3.1L		
WAR	V 22 00 35 00.0	51.8N	17.6E				
WAR	POLONAISE97 experiment, explosion 1000 kg						
	(548) Poland						
ISC	**V 22 09 20 10.7**±.88	**51.63N**±.059	**16.1E**±.12	**0**		**12**	**1-19**
NEIC	V 22 09 20 11.3	51.63N	16.20E	5			**¶97v3748**
EIDC	V 22 09 20 13.9	51.7N	15.7E	0	3.2L		
ISC	Probably mining induced (after WAR)						
NEIC	Less reliable solution.						
	(548) Poland						
ISC	**V 22 23 23 17**±1.1	**50.3N**±.11	**18.90E**±.075	**0**		**12**	**1-5**
WAR	V 22 23 23 18.7	50.28N	18.92E		3.0L		**¶97v3847**
WAR	Mining induced						
	(543) Germany						
BUG	**V 23 02 45 08.0**	**51.6N**	**6.7E**	**1**	**1.4L**		**¶97v3871**
BUG	Mining induced event						
	(535) Southern Norway						
ISC	**V 24 05 24 49**±1.2	**60.78N**±.067	**5.1E**±.25	**0**		**5**	**0-2**
BER	V 24 05 24 49.9	60.8N	5.0E	0	1.7D		**¶97v4059**
BER	Explosion						
	(548) Poland						
ISC	**V 25 03 04 29.1**±.50	**51.68N**±.038	**16.22E**±.073	**0**		**37**	**1-18**
NEIC	V 25 03 04 29.4	51.67N	16.27E	5			**¶97v4212**
EIDC	V 25 03 04 31.2	51.6N	16.0E	0	3.5L		
SZGRF	V 25 03 04 31.7	51.6N	16.2E	1	3.6L		
WAR	V 25 03 04 34.0	51.51N	16.13E		3.2L		
NEIC	$M_{L3.2}$(VIE), $M_{L3.0}$(CLL).						
WAR	Mining induced						
	(543) Germany						
ISC	**V 26 10 53 11**±1.0	**51.46N**±.085	**6.8E**±.14	**0**		**6**	**0-2**
BUG	V 26 10 53 10.5	51.6N	6.8E	1	1.8L		**¶97v4402**
BUG	Mining induced event						
	(548) Poland						
ISC	**V 26 23 04 57.1**±.92	**53.89N**±.062	**18.6E**±.23	**0**		**13**	**4-16**
EIDC	V 26 23 04 59.6	53.8N	18.4E	0	3.4L		**¶97v4479**
SZGRF	V 26 23 05 02.4	53.7N	18.3E	0	2.9L		
SZGRF	Probably mining induced (after WAR)						
	(548) Poland						
ISC	**V 27 22 04 57.4**±.74	**54.21N**±.061	**17.6E**±.18	**0**		**12**	**2-16**
EIDC	V 27 22 04 59.5	54.2N	17.5E	0	3.3L		**¶97v4615**
SZGRF	V 27 22 05 00.6	54.1N	17.6E	0	2.9L		
SZGRF	Probably mining induced (after WAR)						
	(548) Poland						
ISC	**V 27 22 34 47**±1.1	**50.46N**±.090	**18.88E**±.076	**0**		**15**	**1-4**
WAR	V 27 22 34 49.3	50.3N	18.9E		2.9L		**¶97v4619**
WAR	Mining induced						
	(548) Poland						
ISC	**V 28 02 17 23.5**±.82	**50.14N**±.090	**18.46E**±.070	**0**		**13**	**0-4**
WAR	V 28 02 17 23.9	50.1N	18.4E		3.1L		**¶97v4645**
WAR	Mining induced						
	(543) Germany						
BUG	**V 28 16 58 30.8**	**51.5N**	**6.8E**	**1**	**1.2L**		**¶97v4747**
BUG	Mining induced event						
	(535) Southern Norway						
ISC	**V 28 18 53 01.8**±.83	**60.82N**±.050	**5.2E**±.17	**0**		**8**	**0-4**
BER	V 28 18 53 03.1	60.8N	5.1E	0	1.7D		**¶97v4761**
BER	Explosion						
	(548) Poland						
ISC	**V 28 19 45 14.7**±.62	**51.66N**±.048	**16.1E**±.10	**0**		**16**	**1-18**
NEIC	V 28 19 45 15.0	51.66N	16.25E	5			**¶97v4767**
EIDC	V 28 19 45 15.7	51.5N	16.2E	0	3.4L		
ISC	Probably mining induced (after WAR)						
NEIC	$M_{L3.0}$(GRF), $M_{L3.0}$(VIE).						
	(548) Poland						
ISC	**V 29 05 13 45**±2.4	**51.2N**±.18	**15.9E**±.16	**0**		**7**	**0-3**
ISC	Probably mining induced (after WAR)						**¶97v4823**
	(543) Germany						
BUG	**V 30 21 36 44.4**	**51.6N**	**7.0E**	**1**	**1.1L**		**¶97v5104**
BUG	Mining induced event						
	(543) Germany						
ISC	**V 31 01 17 22**±1.1	**51.55N**±.076	**6.7E**±.17	**0**		**5**	**0-1**
BUG	V 31 01 17 20.9	51.6N	6.7E	1	1.7L		**¶97v5131**
SZGRF	V 31 01 17 24.1	51.5N	6.8E	1	2.0L		
BUG	Mining induced event						
	(535) Southern Norway						
BER	**VI 02 13 16 07.0**	**58.3N**	**6.4E**	**0**	**2.1D**		**¶97vi0245**
BER	Explosion						
	(548) Poland						
ISC	**VI 02 14 49 28**±1.1	**50.3N**±.10	**18.81E**±.071	**0**		**13**	**0-4**
WAR	VI 02 14 49 28.9	50.3N	18.9E		2.8L		**¶97vi0254**
WAR	Mining induced						
	(460) Wyoming						
ISC	**VI 02 20 25 04**±1.1	**44.3N**±.11	**105.3W**±.18	**0**		**5**	**3-19**
EIDC	VI 02 20 25 06.2	44.3N	105.4W	0	3.9L		**¶97vi0314**
ISC	Possible mine blast (after NEIC)						
	(548) Poland						
ISC	**VI 03 16 03 06.7**±.77	**51.66N**±.057	**16.1E**±.11	**0**		**12**	**1-11**
EIDC	VI 03 16 03 08.6	51.5N	16.2E	0	3.1L		**¶97vi0485**
ISC	Possibly mining induced (after WAR)						
	(535) Southern Norway						
BER	**VI 04 13 18 18.1**	**58.2N**	**6.5E**	**0**	**1.5L,2.3D**		**¶97vi0619**
BER	Explosion						
	(548) Poland						
ISC	**VI 04 16 34 57**±2.3	**51.2N**±.19	**15.8E**±.20	**0**		**7**	**1-3**
ISC	Possibly mining induced (after WAR)						**¶97vi0645**
	(543) Germany						
BUG	**VI 04 21 19 36.0**	**51.5N**	**6.8E**	**1**	**1.5L**		**¶97vi0674**
BUG	Mining induced event						
	(548) Poland						
ISC	**VI 05 05 20 46.1**±.68	**50.44N**±.059	**18.91E**±.065	**0**		**17**	**1-19**
WAR	VI 05 05 20 48.6	50.3N	18.9E		2.9L		**¶97vi0716**
EIDC	VI 05 05 20 49.3	50.4N	19.7E	0	3.3L		
WAR	Mining induced						
	(535) Southern Norway						
ISC	**VI 05 13 19 31**±6.0	**58.0N**±.43	**6.3E**±.44	**0**		**7**	**1-11**
BER	VI 05 13 19 37.0	58.3N	6.5E	0	1.5L,2.2D		**¶97vi0777**
BER	Explosion						
	(536) Sweden						
ISC	**VI 05 15 29 41.8**±.79	**67.06N**±.075	**20.9E**±.23	**0**		**8**	**2-11**
BER	VI 05 15 29 46.6	67.1N	21.1E	0	1.8L,2.9D		**¶97vi0796**
BER	Possible explosion						
	(548) Poland						
ISC	**VI 05 22 35 55.4**±.45	**51.62N**±.036	**16.17E**±.087	**0**		**24**	**1-19**
NEIC	VI 05 22 35 55.6	51.60N	16.26E	5			**¶97vi0841**
EIDC	VI 05 22 35 57.0	51.5N	16.2E	0	3.4L		
WAR	VI 05 22 35 59.6	51.4N	16.1E		2.8L		
WAR	Mining induced						
	(543) Germany						
BUG	**VI 05 23 53 17.8**	**51.7N**	**7.0E**	**1**	**1.3L**		**¶97vi0852**
BUG	Mining induced event						
	(548) Poland						
ISC	**VI 06 00 14 53.0**±.68	**51.62N**±.056	**16.24E**±.067	**0**		**23**	**1-11**
NEIC	VI 06 00 14 53.0	51.62N	16.39E	5			**¶97vi0857**
EIDC	VI 06 00 14 54.3	51.5N	16.5E	0	3.4L		
SZGRF	VI 06 00 14 55.2	51.5N	16.3E	1	3.1L		
WAR	VI 06 00 14 57.2	51.4N	16.2E		2.7L		
WAR	Mining induced						
	(548) Poland						
ISC	**VI 06 01 10 57**±3.3	**51.6N**±.24	**16.1E**±.21	**0**		**7**	**1-3**
ISC	Possibly mining induced (after WAR)						**¶97vi0862**
	(535) Southern Norway						
ISC	**VI 06 02 34 58**±1.5	**60.73N**±.080	**5.0E**±.30	**0**		**4**	**0-1**
BER	VI 06 02 34 59.4	60.8N	5.0E	0	1.8D		**¶97vi0870**
ISC	Poorly determined						
BER	Explosion						
	(548) Poland						
ISC	**VI 06 03 24 27.5**±.35	**51.52N**±.032	**16.20E**±.050	**0**	**4.0b**	**68**	**1-84**
STR	VI 06 03 23 56.4	52.58N	19.76E	10	3.3L		**¶97vi0875**
NEIC	VI 06 03 24 27.0	51.65N	16.09E	5			
MOS	VI 06 03 24 27.7	51.6N	16.2E	10	4.0b		
EIDC	VI 06 03 24 28.6	51.6N	16.0E	11	4.0L,4.0b		
SZGRF	VI 06 03 24 29.6	51.5N	16.2E	1	4.2L		
WAR	VI 06 03 24 30.3	51.5N	16.1E		3.7L		
WAR	Mining induced						
	(383) Northwestern Balkan region						
ISC	**VI 07 07 26 04.9**±.98	**42.79N**±.081	**19.50E**±.067	**0**		**8**	**0-1**
PDG	VI 07 07 26 05.6	42.8N	19.5E				**¶97vi1061**
PDG	Explosion						
	(548) Poland						
ISC	**VI 08 16 31 29.2**±.49	**51.64N**±.037	**16.2E**±.11	**0**		**19**	**1-18**
NEIC	VI 08 16 31 29.7	51.64N	16.17E	5			**¶97vi1262**
EIDC	VI 08 16 31 30.7	51.6N	15.9E	0	3.5L		
WAR	VI 08 16 31 33.5	51.5N	16.1E		2.8L		
WAR	Mining induced						
	(495) Eastern Arizona						
ISC	**VI 09 21 14 39**±1.1	**32.8N**±.13	**109.3W**±.12	**0**	3.3b	**7**	**3-39**
EIDC	VI 09 21 14 41.3	32.8N	109.3W	0	3.6L,3.4b		**¶97vi1441**
ISC	Probable mining explosion (after NEIS)						
	(548) Poland						
ISC	**VI 10 01 28 19**±2.2	**50.3N**±.17	**19.1E**±.16	**0**		**8**	**1-4**
ISC	Possibly mining induced (after WAR)						**¶97vi1461**
	(548) Poland						
ISC	**VI 10 02 49 39**±1.3	**50.1N**±.10	**18.4E**±.12	**0**		**16**	**1-5**
ISC	Possibly mining induced (after WAR)						**¶97vi1467**
	(548) Poland						
ISC	**VI 10 17 06 42**±1.8	**51.6N**±.13	**16.2E**±.11	**0**		**11**	**1-3**
NEIC	VI 10 17 06 46.8	51.37N	15.85E	5			**¶97vi1551**
ISC	Possibly mining induced (after WAR)						
NEIC	M_L2.3(CLL), Less reliable solution.						
	(548) Poland						
ISC	**VI 10 17 10 26.1**±.54	**51.66N**±.043	**16.21E**±.068	**0**		**25**	**1-12**
EIDC	VI 10 17 10 28.8	51.6N	15.8E	0	3.5L		**¶97vi1552**
WAR	VI 10 17 10 30.6	51.5N	16.1E		2.9L		
NEIC	VI 10 17 10 33.2	51.25N	15.74E	5			
WAR	Mining induced						
NEIC	$M_{L3.6}$(VIE).						
	(548) Poland						
ISC	**VI 11 00 33 52**±1.0	**51.63N**±.074	**16.05E**±.096	**0**		**28**	**1-6**
STR	VI 11 00 33 11.7	52.80N	20.71E	10	3.3L		**¶97vi1592**
MOS	VI 11 00 33 52.3	51.7N	16.1E	10	4.0S		
SZGRF	VI 11 00 33 53.9	51.5N	16.2E	1	3.7L		
WAR	VI 11 00 33 55.3	51.5N	16.0E		3.4L		
NEIC	VI 11 00 33 56.6	51.38N	15.77E	5			
WAR	Mining induced						
NEIC	M_L4.0(VIE), Less reliable solution.						
	(548) Poland						
ISC	**VI 11 13 45 44**±1.0	**50.0N**±.12	**18.8E**±.10	**0**		**13**	**0-4**
ISC	Probably mining induced (after WAR)						**¶97vi1696**
	(495) Eastern Arizona						
EIDC	**VI 11 22 41 41.4**	**32.8N**	**109.6W**	**0**	**3.5L**,3.0b		**3-39**
ISC	Probable mining explosion (after NEIS)						**¶97vi1764**
	(543) Germany						
ISC	**VI 12 21 20 08**±1.1	**49.14N**±.065	**6.9E**±.17	**0**		**6**	**1-2**
LEDBW	VI 12 21 20 08.7	49.14N	6.95E	1	1.9L		**¶97vi1899**
LEDBW	Mining induced event						
	(548) Poland						
ISC	**VI 13 02 51 22**±1.8	**51.5N**±.14	**16.1E**±.10	**0**		**14**	**1-4**
ISC	ML3.3(VKA), Probably mining induced (after WAR)						**¶97vi1927**
	(548) Poland						
ISC	**VI 13 11 45 47**±2.4	**51.6N**±.16	**16.09E**±.097	**0**		**10**	**1-3**
NEIC	VI 13 11 45 56.5	51.12N	15.82E	5			**¶97vi1983**
ISC	Possibly mining induced (after WAR)						
NEIC	Less reliable solution.						
	(548) Poland						
ISC	**VI 13 13 22 05.4**±.52	**51.66N**±.042	**16.18E**±.070	**0**		**36**	**1-87**
NEIC	VI 13 13 22 05.9	51.67N	16.17E	5			**¶97vi1992**
EIDC	VI 13 13 22 07.2	51.7N	16.1E	0	3.8L		
SZGRF	VI 13 13 22 07.3	51.5N	16.2E	1	3.5L		
WAR	VI 13 13 22 09.5	51.5N	16.1E		3.3L		
NEIC	$M_{L3.5}$(VIE).						

WAR Mining induced
(543) Germany
BUG VI 13 14 37 39.7 51.5N 7.1E 1 1.2L ¶97vi2006
BUG Mining induced event
(548) Poland
ISC VI 14 19 26 57.4±.72 **51.69N**±.054 **16.13E**±.083 **0 15 1-11**
NEIC VI 14 19 26 57.9 51.68N 16.25E 5 **¶97vi2163**
EIDC VI 14 19 26 59.5 51.6N 16.1E 0 3.1L
WAR VI 14 19 27 02.0 51.5N 16.0E 2.8L
NEIC M_L3.5(VIE).
WAR Mining induced
(548) Poland
ISC VI 14 21 01 35±9.6 **51.9N**±.72 **16.1E**±.27 **0 5 2-3**
ISC Probably mining induced (after WAR) **¶97vi2174**
(646) Northern Norway
BER VI 16 16 00 32.1 66.3N 14.7E 0 2.0L,2.8D ¶97vi2492
BER Explosion
(548) Poland
ISC VI 16 19 17 07±1.6 **51.5N**±.12 **16.0E**±.11 **0 13 1-4**
NEIC VI 16 19 17 07.4 51.51N 16.14E 5 **¶97vi2503**
WAR VI 16 19 17 09.0 51.48N 16.08E 2.4L
NEIC M_L3.2(VIE), Less reliable solution.
WAR Mining induced
(646) Northern Norway
BER VI 17 01 09 51.6 66.8N 14.1E 0 2.4D ¶97vi2536
BER Explosion
(548) Poland
ISC VI 17 04 16 14±1.9 **51.5N**±.13 **16.1E**±.10 **0 10 1-3**
NEIC VI 17 04 16 21.8 51.11N 15.90E 5 **¶97vi2549**
ISC Possibly mining induced (after WAR)
NEIC Less reliable solution.
(548) Poland
ISC VI 17 06 56 30±1.0 **50.36N**±.084 **18.85E**±.080 **0 13 1-4**
WAR VI 17 06 56 31.3 50.28N 18.93E 3.0L **¶97vi2566**
WAR Mining induced
(548) Poland
ISC VI 17 11 48 46±1.9 **50.3N**±.15 **18.8E**±.16 **0 8 1-4**
ISC Possibly mining induced (after WAR) **¶97vi2613**
ISC $ML_{3.1}$(MOA)
(543) Germany
ISC VI 18 13 19 28.5±.59 **49.34N**±.038 **6.93E**±.080 **0 16 0-2**
LEDBW VI 18 13 19 29.8 49.38N 6.92E 1 2.4L **¶97vi2789**
SZGRF VI 18 13 19 30.1 49.4N 6.9E 1 2.5L
LEDBW Mining induced event
(548) Poland
ISC VI 18 19 30 17±1.6 **51.2N**±.13 **15.80E**±.096 **0 12 0-3**
NEIC VI 18 19 30 19.1 51.12N 15.92E 5 **¶97vi2824**
ISC Possibly mining induced (after WAR)
NEIC M_L3.2(VIE), Less reliable solution.
(646) Northern Norway
BER VI 19 15 01 51.4 66.9N 15.6E 0 2.5D ¶97vi2931
BER Explosion
(543) Germany
ISC VI 20 00 20 02.1±.55 **49.35N**±.031 **6.91E**±.074 **0 26 0-5**
LEDBW VI 20 00 20 03.0 49.38N 6.84E 1 2.4L **¶97vi2981**
NEIC VI 20 00 20 03.9 49.40N 6.94E 10
SZGRF VI 20 00 20 03.9 49.4N 6.8E 1 2.4L
UCC VI 20 00 20 05.1 49.42N 6.86E 8 2.3L
LEDBW Mining induced event
NEIC Mining induced event in the Lorraine region, France.
(548) Poland
ISC VI 20 03 15 29.0±.92 **50.08N**±.074 **18.70E**±.096 **0 13 0-12**
EIDC VI 20 03 15 31.6 50.0N 18.4E 0 3.1L **¶97vi2999**
ISC Possibly mining induced (after WAR)
(543) Germany
BUG VI 20 03 46 26.2 51.6N 6.7E 1 1.5L ¶97vi3007
BUG Mining induced event
(548) Poland
ISC VI 20 04 15 35±6.3 **51.6N**±.29 **16.1E**±.38 **0 6 1-3**
ISC Probably mining induced (after WAR) **¶97vi3012**
(548) Poland
ISC VI 21 03 35 17.6±.76 **51.62N**±.052 **16.4E**±.11 **0 16 1-11**
NEIC VI 21 03 35 18.9 51.69N 16.13E 5 **¶97vi3148**
EIDC VI 21 03 35 20.1 51.6N 16.0E 0 3.2L
WAR VI 21 03 35 22.1 51.4N 16.2E 2.5L
NEIC M_L3.1(VIE), Less reliable solution.
WAR Mining induced
(548) Poland
ISC VI 21 19 18 49.0±.54 **51.65N**±.041 **16.25E**±.067 **0 33 1-12**
NEIC VI 21 19 18 50.4 51.69N 16.03E 5 **¶97vi3270**
EIDC VI 21 19 18 51.3 51.6N 16.1E 0 3.4L
SZGRF VI 21 19 18 51.9 51.6N 16.2E 1 3.3L
WAR VI 21 19 18 53.6 51.5N 16.1E 2.9L
NEIC M_L3.7(VIE).
NEIC ML 3.4 (FUR).
WAR Mining induced
(543) Germany
BUG VI 22 01 05 28.5 51.6N 6.7E 1 1.1L ¶97vi3303
BUG Mining induced event
(543) Germany
BUG VI 23 12 47 59.0 51.5N 7.1E 1 0.9L ¶97vi3530
BUG Mining induced event
(535) Southern Norway
BER VI 23 13 15 49.1 58.3N 6.3E 0 2.1D ¶97vi3534
BER Explosion
(548) Poland
ISC VI 23 20 59 56.8±.80 **50.45N**±.049 **19.03E**±.087 **0 22 1-12**
NEIC VI 23 20 59 57.6 50.51N 19.06E 5 **¶97vi3591**
EIDC VI 23 20 59 59.3 50.4N 18.9E 0 3.5L
WAR VI 23 21 00 00.8 50.3N 18.9E 3.2L
NEIC M_L3.0(CLL).
WAR Mining induced
(543) Germany
BUG VI 24 15 26 21.2 51.5N 7.1E 1 0.6L ¶97vi3738
BUG Mining induced event
(548) Poland
ISC VI 24 20 14 40.7±.42 **51.66N**±.034 **16.18E**±.056 **0** 3.8b **54 1-75**
STR VI 24 20 14 08.5 52.31N 20.28E 10 3.2L **¶97vi3777**
NEIC VI 24 20 14 41.1 51.64N 16.24E 5 4.4b
MOS VI 24 20 14 41.8 51.6N 16.3E 10 4.2b
SZGRF VI 24 20 14 42.3 51.5N 16.3E 1 3.8L
EIDC VI 24 20 14 42.3 51.6N 16.1E 0 3.7L,3.7b
WAR VI 24 20 14 45.0 51.47N 16.13E 3.5L
NEIC M_L4.0(VIE).
NEIC ML 4.0 (FUR).
WAR Mining induced
(543) Germany
ISC VI 25 00 05 53.1±.46 **49.35N**±.029 **6.90E**±.059 **0 24 0-3**
LEDBW VI 25 00 05 54.9 49.38N 6.94E 1 2.2L **¶97vi3803**
UCC VI 25 00 06 05.3 49.67N 6.15E 15 2.1L
LEDBW Mining induced event
(548) Poland
ISC VI 25 02 45 59.5±.57 **51.66N**±.042 **16.18E**±.075 **0 32 1-12**
NEIC VI 25 02 46 00.1 51.67N 16.18E 5 **¶97vi3832**
SZGRF VI 25 02 46 02.4 51.5N 16.2E 1 3.4L
EIDC VI 25 02 46 02.8 51.6N 15.8E 12 3.3L
WAR VI 25 02 46 03.9 51.5N 16.0E 3.1L
NEIC M_L3.5(VIE).
NEIC ML 3.1 (CLL).
WAR Mining induced
(548) Poland
ISC VI 25 09 10 01±1.3 **50.4N**±.12 **18.87E**±.088 **0 7 1-2**
WAR VI 25 09 10 02.9 50.3N 18.9E 2.8L **¶97vi3878**
WAR Mining induced
(543) Germany
BUG VI 25 09 24 29.4 51.5N 7.1E 1 1.3L ¶97vi3881
BUG Mining induced event
(379) Near south coast of France
ISC VI 25 17 54 57.7±.76 **43.44N**±.051 **5.48E**±.070 **0 17 0-2**
NEIC VI 25 17 54 57.5 43.42N 5.42E 10 **¶97vi4000**
NEIC M_L2.6(STR).
NEIC Mining induced event in the Gardanne area.
(646) Northern Norway
BER VI 26 07 07 53.7 66.8N 14.1E 0 2.0L,2.3D ¶97vi4097
BER Explosion
(548) Poland
ISC VI 26 10 37 37±1.7 **51.5N**±.12 **16.2E**±.11 **0 15 1-4**
NEIC VI 26 10 37 39.7 51.33N 16.36E 5 **¶97vi4122**
WAR VI 26 10 37 40.8 51.4N 16.2E 2.9L
NEIC M_L3.5(VIE), Less reliable solution.
WAR Mining induced
(543) Germany
BUG VI 26 10 38 06.8 51.7N 7.9E 1 1.7L ¶97vi4123
BUG Mining induced event
(543) Germany
ISC VI 26 23 05 08.1±.74 **49.33N**±.040 **6.9E**±.10 **0 14 0-3**
LEDBW VI 26 23 05 09.5 49.36N 6.95E 1 2.0L **¶97vi4208**
LEDBW Mining induced event
(646) Northern Norway
ISC VI 27 10 54 02.2±.91 **66.42N**±.077 **14.9E**±.28 **0 7 0-7**
BER VI 27 10 54 04.9 66.5N 14.8E 0 2.8D **¶97vi4286**
BER Explosion
(548) Poland
ISC VI 27 20 46 24.8±.73 **51.69N**±.054 **16.11E**±.079 **0 16 1-11**
NEIC VI 27 20 46 25.5 51.69N 16.17E 5 **¶97vi4366**
EIDC VI 27 20 46 26.6 51.6N 16.2E 0 3.1L
WAR VI 27 20 46 29.9 51.5N 16.1E 2.5L
NEIC M_L3.3(VIE), M_L2.7(CLL), Less reliable solution.
WAR Mining induced
(548) Poland
ISC VI 28 01 49 40±1.8 **51.5N**±.13 **16.2E**±.10 **0 11 1-4**
NEIC VI 28 01 49 42.1 51.47N 16.32E 5 **¶97vi4395**
WAR VI 28 01 49 44.0 51.4N 16.1E 2.3L
NEIC M_L3.1(VIE), Less reliable solution.
WAR Mining induced
(456) Montana
ISC VI 28 03 02 37.5±.55 **47.52N**±.074 **115.81W**±.048 **0 44 1-8**
NEIC VI 28 03 02 37.7 47.50N 115.82W 2 **¶97vi4404**
NEIC $M_{L3.4}$(BUT), $M_{L3.1}$(GS).
NEIC Rockburst at the Lucky Friday Mine near Mullan, Idaho. Felt at Mullan, Osburn and Wallace, Idaho.
(548) Poland
ISC VI 28 19 50 52.8±.51 **51.68N**±.040 **16.11E**±.065 **0 38 1-12**
NEIC VI 28 19 50 53.0 51.67N 16.17E 5 **¶97vi4515**
MOS VI 28 19 50 53.3 51.7N 16.2E 10 4.0S
EIDC VI 28 19 50 54.5 51.6N 16.2E 0 3.3L
SZGRF VI 28 19 50 55.8 51.7N 16.1E 1 3.6L
WAR VI 28 19 50 57.0 51.5N 16.1E 3.3L
NEIC M_L3.7(VIE).
NEIC ML 3.3 (CLL).
WAR Mining induced
(543) Germany
BUG VI 28 20 15 21.6 51.7N 7.9E 1 1.2L ¶97vi4517
BUG Mining induced event
(548) Poland
ISC VI 30 05 07 17.9±.73 **51.67N**±.054 **16.02E**±.090 **0 14 1-11**
NEIC VI 30 05 07 19.0 51.65N 16.16E 5 **¶97vi4711**
EIDC VI 30 05 07 20.5 51.6N 15.9E 0 3.1L
WAR VI 30 05 07 22.0 51.52N 16.00E 2.7L
NEIC $M_{L3.4}$(VIE).
WAR Mining induced
(379) Near south coast of France
ISC VI 30 08 12 12.5±.77 **43.45N**±.048 **5.48E**±.072 **0 17 0-2**
NEIC VI 30 08 12 12.3 43.43N 5.41E 10 **¶97vi4730**
NEIC Possible rockburst, M_L2.9(STR), Single network solution.
NEIC Mining induced event in the Gardanne area.
(548) Poland
ISC VI 30 15 58 39±2.1 **51.5N**±.17 **16.1E**±.11 **0 9 1-4**
NEIC VI 30 15 58 46.8 51.07N 15.78E 5 **¶97vi4786**
ISC Possibly mining induced (after WAR)
NEIC M_L3.1(VIE), Less reliable solution.
(548) Poland
ISC VI 30 22 50 50±1.1 **50.4N**±.11 **18.89E**±.083 **0 12 1-4**
WAR VI 30 22 50 51.7 50.25N 18.93E 2.8L **¶97vi4834**
WAR Mining induced

REGIONAL CATALOGUE OF EVENTS

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		SEISMIC REGION 1. ALASKA-ALEUTIAN ARC.						
		(1) Central Alaska.						
ISC	**I**	**01 02 22 16.6**±.49	**63.40N**±.029	**147.37W**±.078	**73**±13		**51**	**0-4**
NEIC	I	01 02 22 17.3	63.36N	147.44W	64			¶97i0013
NEIC		M_L2.7(AEIC), After AEIC.						
ISC	**I**	**01 08 42 13**±1.2	**63.26N**±.032	**151.1W**±.11	**2**±9.7		**38**	**0-5**
NEIC	I	01 08 42 13.3	63.26N	151.10W	7			¶97i0044
NEIC		M_L2.8(PMR), M_L2.5(AEIC), After AEIC.						
ISC	**I**	**04 02 27 54.1**±.53	**63.05N**±.027	**150.40W**±.077	**115**±10		**71**	**0-5**
NEIC	I	04 02 27 56.0	63.02N	150.46W	94			¶97i0463
NEIC		After AEIC.						
ISC	**I**	**05 21 59 37.2**±.63	**64.48N**±.030	**146.92W**±.086	**8**±5.8		**43**	**0-4**
NEIC	I	05 21 59 37.1	64.42N	146.91W	10			¶97i0714
NEIC		M_L2.9(AEIC). Felt, After AEIC.						
NEIC		Felt at Salcha.						
ISC	**I**	**06 06 44 55.4**±.28	**63.07N**±.024	**149.21W**±.061	**5**		**55**	**0-5**
NEIC	I	06 06 44 55.0	63.02N	149.19W	5			¶97i0758
NEIC		M_L2.9(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**I**	**07 04 04 51.0**±.77	**63.60N**±.024	**149.18W**±.070	**7**±6.8		**58**	**0-16**
NEIC	I	07 04 04 51.1	63.55N	149.10W	7			¶97i0877
NEIC		M_L3.4(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**I**	**07 16 23 46.4**±.35	**63.44N**±.026	**145.17W**±.072	**4**		**53**	**0-14**
NEIC	I	07 16 23 47.0	63.37N	145.27W	4			¶97i0945
NEIC		M_L3.5(PMR), M_L3.1(AEIC), After AEIC.						
ISC	**I**	**08 06 25 20.9**±.41	**63.39N**±.031	**145.13W**±.083	**5**		**38**	**0-5**
NEIC	I	08 06 25 20.9	63.35N	145.20W	5			¶97i1030
NEIC		M_L2.5(AEIC), After AEIC.						
ISC	**I**	**08 23 03 40.1**±.42	**62.16N**±.029	**150.31W**±.063	**67**±11		**58**	**0-4**
NEIC	I	08 23 03 41.5	62.12N	150.36W	52			¶97i1132
NEIC		M_L2.7(AEIC), After AEIC.						
ISC	**I**	**09 19 51 39.9**±.48	**62.96N**±.028	**149.73W**±.072	**87**±10		**64**	**0-4**
NEIC	I	09 19 51 40.4	62.92N	149.78W	79			¶97i1270
NEIC		After AEIC.						
ISC	**I**	**09 23 50 41**±1.1	**63.24N**±.031	**151.03W**±.080	**3**±8.9		**64**	**0-5**
NEIC	I	09 23 50 41.2	63.26N	151.08W	7			¶97i1285
NEIC		M_L3.5(PMR), M_L3.2(AEIC), After AEIC.						
ISC	**I**	**10 00 04 23.1**±.57	**62.92N**±.028	**149.96W**±.081	**99**±11		**57**	**0-5**
NEIC	I	10 00 04 24.3	62.89N	149.97W	83			¶97i1286
NEIC		After AEIC.						
ISC	**I**	**10 13 32 34.3**±.66	**64.68N**±.051	**149.3W**±.10	**26**±7.6		**20**	**0-4**
NEIC	I	10 13 32 34.3	64.66N	149.42W	20			¶97i1368
NEIC		M_L2.5(AEIC), After AEIC.						
ISC	**I**	**11 00 36 17.1**±.48	**62.95N**±.027	**148.59W**±.072	**67**±16		**54**	**0-5**
NEIC	I	11 00 36 18.0	62.92N	148.71W	58			¶97i1443
NEIC		M_L2.5(AEIC), After AEIC.						
ISC	**I**	**11 09 47 48.8**±.54	**62.25N**±.037	**141.3W**±.12	**9**		**31**	**1-7**
NEIC	I	11 09 47 49.1	62.17N	141.17W	9			¶97i1505
PGC	I	11 09 47 52.3	62.2N	141.0W	0	3.0L		
NEIC		M_L2.6(AEIC), After AEIC.						
PGC		St. Elias Mountains, British Columbia						
ISC	**I**	**11 21 03 14.0**±.83	**63.99N**±.025	**150.27W**±.072	**4**±6.5	**3.7b**	**79**	**0-55**
NEIC	I	11 21 03 15.0	63.91N	150.13W	14			¶97i1581
EIDC	I	11 21 03 17.4	64.6N	150.3W	0	4.0L,3.7b		
NEIC		M_L4.3(PMR), M_L4.2(AEIC), After AEIC.						
ISC	**I**	**13 05 51 10.2**±.57	**63.37N**±.030	**149.65W**±.078	**114**±10		**71**	**0-5**
NEIC	I	13 05 51 11.3	63.34N	149.64W	102			¶97i1782
NEIC		After AEIC.						
ISC	**I**	**13 15 45 31**±1.1	**63.23N**±.032	**151.0W**±.11	**0**±8.7		**38**	**0-5**
NEIC	I	13 15 45 31.6	63.25N	151.08W	5			¶97i1862
NEIC		M_L2.5(AEIC), After AEIC.						
ISC	**I**	**14 22 57 45.3**±.40	**62.23N**±.034	**141.21W**±.077	**6**	**3.6b**	**47**	**1-46**
EIDC	I	14 22 57 45.8	62.4N	141.1W	0	3.7L,3.6b		¶97i2072
PGC	I	14 22 57 46.8	62.2N	141.2W	5	3.8L		
NEIC	I	14 22 57 47.2	62.13N	141.23W	6			
PGC		Eastern Alaska.						
NEIC		M_L3.2(AEIC), After AEIC.						
ISC	**I**	**16 01 37 05.6**±.65	**62.56N**±.032	**151.29W**±.083	**108**±12		**59**	**1-5**
NEIC	I	16 01 37 07.1	62.56N	151.34W	89			¶97i2238
NEIC		After AEIC.						
ISC	**I**	**18 11 43 43.6**±.35	**62.42N**±.023	**149.41W**±.058	**70**±11		**75**	**0-5**
NEIC	I	18 11 43 44.7	62.39N	149.39W	60			¶97i2650
NEIC		M_L2.8(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**I**	**18 16 51 25.2**±.33	**62.74N**±.022	**148.24W**±.053	**75**±11		**86**	**1-5**
NEIC	I	18 16 51 26.2	62.70N	148.31W	51			¶97i2689
NEIC		M_L3.3(AEIC), M_L3.2(PMR), After AEIC.						
ISC	**I**	**20 09 48 51.7**±.38	**62.72N**±.023	**148.22W**±.061	**66**±14		**70**	**1-5**
NEIC	I	20 09 48 52.7	62.67N	148.33W	38			¶97i2978
NEIC		M_L3.0(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**I**	**20 16 27 19.4**±.55	**62.91N**±.029	**149.72W**±.085	**92**±11		**50**	**0-5**
NEIC	I	20 16 27 20.5	62.89N	149.75W	77			¶97i3040
NEIC		After AEIC.						
ISC	**I**	**22 06 19 30.6**±.65	**63.15N**±.031	**150.92W**±.085	**147**±11		**75**	**0-5**
NEIC	I	22 06 19 33.0	63.11N	150.97W	123			¶97i3285
NEIC		After AEIC.						
ISC	**I**	**23 07 54 29.6**±.26	**63.30N**±.022	**147.38W**±.060	**10**		**65**	**0-4**
NEIC	I	23 07 54 28.8	63.24N	147.41W	10			¶97i3464
NEIC		M_L3.2(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**I**	**26 17 27 54.1**±.88	**63.37N**±.033	**145.18W**±.092	**0**±8.1		**26**	**0-5**
NEIC	I	26 17 27 54.7	63.36N	145.22W	8			¶97i3974
NEIC		M_L2.6(AEIC), After AEIC.						
ISC	**I**	**28 00 21 45**±1.1	**63.29N**±.029	**151.21W**±.085	**5**±8.7		**51**	**0-5**
NEIC	I	28 00 21 45.8	63.24N	151.19W	4			¶97i4147
NEIC		M_L3.4(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**I**	**28 09 18 41.5**±.59	**63.39N**±.029	**149.19W**±.079	**115**±11		**60**	**0-4**
NEIC	I	28 09 18 42.7	63.36N	149.23W	101			¶97i4191
NEIC		After AEIC.						
ISC	**I**	**29 01 48 08.3**±.49	**62.48N**±.026	**151.22W**±.071	**99**±10		**77**	**0-6**
NEIC	I	29 01 48 10.1	62.45N	151.22W	82			¶97i4280
NEIC		After AEIC.						
ISC	**I**	**31 18 24 45.7**±.84	**62.85N**±.022	**148.77W**±.057	**1**±7.3		**71**	**0-5**
NEIC	I	31 18 24 46.4	62.82N	148.77W	11			¶97i4660
NEIC		M_L3.4(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**I**	**31 23 45 00**±2.5	**63.0N**±.25	**150.6W**±.64	**111**		**5**	**0-2**
NEIC	I	31 23 44 58.5	63.15N	151.06W	111			¶97i4688
NEIC		After AEIC.						
ISC	**II**	**01 08 22 26.6**±.36	**62.78N**±.022	**150.17W**±.059	**104**±7.8		**102**	**0-16**
NEIC	II	01 08 22 28.0	62.76N	150.26W	84	2.8b		¶97ii0043
NEIC		After AEIC.						
ISC	**II**	**03 14 55 56.9**±.48	**62.14N**±.027	**152.96W**±.085	**0**		**62**	**1-6**
NEIC	II	03 14 55 58.8	62.04N	152.73W	0			¶97ii0390
NEIC		M_L3.3(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**II**	**03 19 10 55.3**±.36	**62.80N**±.022	**148.89W**±.060	**78**±11		**81**	**0-5**
NEIC	II	03 19 10 56.2	62.76N	148.95W	62			¶97ii0412
NEIC		M_L3.1(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**II**	**03 22 20 40**±1.0	**63.51N**±.099	**150.7W**±.21	**33**		**7**	**2-5**
								¶97ii0432
ISC	**II**	**04 12 26 37.9**±.79	**63.15N**±.038	**150.5W**±.12	**116**±11		**51**	**0-16**
NEIC	II	04 12 26 38.6	63.12N	150.51W	109	2.1b		¶97ii0520
NEIC		After AEIC.						
ISC	**II**	**04 17 22 00**±1.5	**62.92N**±.094	**151.3W**±.51	**105**		**8**	**1-2**
NEIC	II	04 17 21 59.8	62.91N	151.32W	105			¶97ii0569
NEIC		After AEIC.						
ISC	**II**	**04 23 20 02.6**±.77	**62.04N**±.033	**148.30W**±.066	**8**±7.0		**36**	**0-4**
NEIC	II	04 23 20 03.9	62.03N	148.33W	15			¶97ii0605
NEIC		M_L2.5(AEIC), After AEIC.						
ISC	**II**	**05 12 19 21.2**±.59	**62.57N**±.029	**151.33W**±.080	**102**±12		**67**	**1-5**
NEIC	II	05 12 19 22.5	62.55N	151.27W	88			¶97ii0686
NEIC		After AEIC.						
ISC	**II**	**07 05 31 15.2**±.22	**62.41N**±.020	**148.12W**±.044	**18**		**99**	**1-15**
NEIC	II	07 05 31 17.4	62.40N	148.12W	18	2.6b		¶97ii0949
NEIC		M_L3.4(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**II**	**08 17 38 09.7**±.43	**62.54N**±.025	**149.87W**±.066	**77**±11		**69**	**0-4**
NEIC	II	08 17 38 10.2	62.52N	149.94W	65			¶97ii1177
NEIC		M_L3.0(AEIC), M_L3.0(PMR), After AEIC.						
ISC	**II**	**09 02 47 22**±1.1	**62.24N**±.043	**150.0W**±.11	**14**±11		**18**	**0-3**
NEIC	II	09 02 47 21.8	62.20N	150.00W	8			¶97ii1242
NEIC		M_L2.5(AEIC), After AEIC.						
ISC	**II**	**10 01 01 29.8**±.43	**62.39N**±.026	**150.80W**±.068	**80**±11		**74**	**0-17**
NEIC	II	10 01 01 31.1	62.36N	150.86W	69			¶97ii1395
NEIC		M_L2.9(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**II**	**10 21 16 13.6**±.44	**64.00N**±.037	**149.1W**±.11	**33**		**29**	**0-4**
								¶97ii1519
ISC	**II**	**11 00 18 19**±1.2	**63.11N**±.063	**150.9W**±.17	**133**±16		**17**	**0-5**
NEIC	II	11 00 18 20.6	63.08N	150.95W	118			¶97ii1556
NEIC		After AEIC.						
ISC	**II**	**12 12 28 03.6**±.88	**63.47N**±.032	**151.03W**±.084	**9**±6.9		**63**	**0-5**
NEIC	II	12 12 28 03.4	63.45N	151.08W	9			¶97ii1756
NEIC		M_L3.5(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**II**	**13 01 38 08.1**±.49	**62.25N**±.022	**150.30W**±.053	**24**±5.8		**79**	**0-16**
NEIC	II	13 01 38 09.2	62.16N	150.26W	20			¶97ii1854
NEIC		M_L3.0(PMR), M_L2.9(AEIC), After AEIC.						
ISC	**II**	**15 16 34 35.5**±.52	**62.86N**±.027	**150.20W**±.071	**106**±10		**75**	**0-4**
NEIC	II	15 16 34 36.5	62.84N	150.20W	92			¶97ii2262
NEIC		After AEIC.						
ISC	**II**	**16 03 25 36.8**±.39	**63.29N**±.030	**151.18W**±.088	**25**		**48**	**1-4**
NEIC	II	16 03 25 37.1	63.26N	151.05W	25			¶97ii2333
NEIC		M_L2.6(AEIC), After AEIC.						
ISC	**II**	**16 20 49 48.7**±.40	**62.95N**±.024	**148.81W**±.065	**79**±12		**73**	**0-5**
NEIC	II	16 20 49 49.3	62.92N	148.82W	67			¶97ii2421
NEIC		M_L3.2(AEIC), M_L3.1(PMR), After AEIC.						
ISC	**II**	**16 21 50 00.9**±.79	**63.57N**±.029	**150.79W**±.084	**7**±6.4		**49**	**0-5**
NEIC	II	16 21 50 01.0	63.52N	150.77W	8			¶97ii2430
NEIC		M_L2.5(AEIC), After AEIC.						
ISC	**II**	**17 08 31 22.8**±.18	**62.03N**±.020	**149.82W**±.044	**66**±3.5	**4.0b**	**126**	**0-146**
EIDC	II	17 08 31 23.7	62.0N	149.8W	57	3.9b,3.6s		¶97ii2465
NEIC	II	17 08 31 24.3	61.99N	149.87W	48			
NEIC		M_L4.3(AEIC), M_L4.3(PMR). Felt, After AEIC.						
NEIC		Felt at Anchorage, Palmer, Talkeetna and Wasilla.						
ISC	**II**	**18 11 47 38.9**±.72	**63.54N**±.025	**151.21W**±.072	**15**±7.5	3.7b	**89**	**0-46**
EIDC	II	18 11 47 35.2	63.8N	151.9W	0	3.5L,3.6b		¶97ii2639
NEIC	II	18 11 47 39.0	63.46N	151.20W	11			
NEIC		M_L4.1(PMR), M_L3.8(AEIC), After AEIC.						
ISC	**II**	**18 16 26 16**±1.1	**63.31N**±.035	**151.17W**±.091	**9**±9.4		**48**	**0-5**
NEIC	II	18 16 26 15.9	63.27N	151.10W	8			¶97ii2669
NEIC		M_L3.2(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**II**	**19 23 11 39.0**±.41	**62.37N**±.025	**150.94W**±.062	**101**±9.4		**85**	**0-6**
NEIC	II	19 23 11 41.1	62.35N	151.01W	75			¶97ii2852
NEIC		After AEIC.						
ISC	**II**	**20 05 46 10.8**±.52	**62.39N**±.032	**150.94W**±.075	**91**±11		**59**	**0-5**
NEIC	II	20 05 46 12.6	62.37N	151.02W	71			¶97ii2885
NEIC		After AEIC.						
ISC	**II**	**21 08 54 38.2**±.93	**64.02N**±.032	**150.59W**±.088	**2**±7.0		**59**	**0-16**
NEIC	II	21 08 54 38.9	63.98N	150.56W	11	2.7b		¶97ii3042
NEIC		M_L3.1(AEIC), After AEIC.						
ISC	**II**	**22 05 34 38.8**±.59	**62.38N**±.033	**151.01W**±.098	**94**±12		**39**	**0-4**
NEIC	II	22 05 34 40.6	62.33N	151.02W	78			¶97ii3172
NEIC		After AEIC.						
ISC	**II**	**23 10 00 51.4**±.47	**62.73N**±.025	**148.73W**±.070	**73**±15		**59**	**0-4**
NEIC	II	23 10 00 52.2	62.70N	148.82W	64			¶97ii3316
NEIC		M_L2.7(AEIC), M_L2.6(PMR), After AEIC.						
ISC	**II**	**24 04 42 48**±1.1	**63.35N**±.034	**151.3W**±.12	**17**±12		**31**	**0-4**
NEIC	II	24 04 42 47.6	63.32N	151.34W	18			¶97ii3428
NEIC		M_L3.1(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**II**	**26 06 53 38.3**±.47	**62.49N**±.029	**149.29W**±.082	**75**±13		**43**	**0-4**
NEIC	II	26 06 53 40.0	62.46N	149.32W	58			¶97ii3756
NEIC		M_L3.2(AEIC), M_L3.0(PMR), After AEIC.						
ISC	**III**	**01 06 28 33.1**±.96	**63.29N**±.032	**151.06W**±.085	**12**±8.1		**66**	**0-6**
NEIC	III	01 06 28 33.2	63.26N	151.03W	10			¶97iii0062
NEIC		M_L3.2(PMR), M_L2.9(AEIC), After AEIC.						
ISC	**III**	**02 04 02 59.2**±.38	**63.03N**±.025	**148.64W**±.063	**77**±11		**71**	**0-15**
NEIC	III	02 04 02 59.6	63.02N	148.76W	74			¶97iii0238
NEIC		After AEIC.						
ISC	**III**	**02 23 00 28.8**±.24	**63.03N**±.022	**149.07W**±.060	**87**±5.1	**3.7b**	**90**	**0-56**
NEIC	III	02 23 00 29.7	63.01N	149.11W	74			¶97iii0420
EIDC	III	02 23 00 31.5	63.2N	149.1W	92	3.5b		

NEIC After AEIC.
ISC III 02 23 28 46.5±.46 **63.41N**±.031 **145.12W**±.090 **2** **41 0-4**
NEIC III 02 23 28 46.7 63.37N 145.21W 2 **¶97iii0424**
NEIC M_L2.6(AEIC), After AEIC.
ISC III 04 13 02 41±1.2 **63.18N**±.036 **151.4W**±.10 **3**±10 **41 0-5**
NEIC III 04 13 02 41.1 63.16N 151.43W 4 **¶97iii0848**
NEIC M_L2.8(PMR), M_L2.5(AEIC), After AEIC.
ISC III 06 10 43 35±1.0 **63.48N**±.029 **151.16W**±.083 **15**±7.7 **64 0-6**
NEIC III 06 10 43 34.4 63.44N 151.14W 15 **¶97iii1250**
NEIC M_L3.5(PMR), M_L3.0(AEIC), After AEIC.
ISC III 06 12 48 12.7±.79 **63.31N**±.027 **151.05W**±.081 **16**±9.3 **63 0-5**
NEIC III 06 12 48 12.3 63.24N 151.02W 13 **¶97iii1270**
NEIC M_L3.1(PMR), M_L2.8(AEIC), After AEIC.
ISC III 07 18 39 47±1.1 **63.51N**±.026 **148.76W**±.073 **14**±9.7 **54 0-4**
NEIC III 07 18 39 45.9 63.46N 148.77W 15 **¶97iii1574**
NEIC M_L2.9(PMR), M_L2.5(AEIC), After AEIC.
ISC III 07 20 40 58±1.5 **63.57N**±.035 **152.8W**±.11 **16**±16 **49 1-6**
NEIC III 07 20 40 57.4 63.55N 152.78W 9 **¶97iii1603**
NEIC M_L3.3(PMR), M_L3.0(AEIC), After AEIC.
ISC III 08 19 00 15.2±.54 **62.72N**±.034 **150.61W**±.094 **102**±10 **40 0-16**
NEIC III 08 19 00 16.2 62.69N 150.66W 90 **¶97iii1817**
NEIC After AEIC.
ISC III 08 22 07 32.1±.67 **62.78N**±.042 **149.49W**±.096 **81**±14 **28 0-4**
NEIC III 08 22 07 33.0 62.76N 149.49W 68 **¶97iii1843**
NEIC M_L3.2(PMR), M_L2.9(AEIC), After AEIC.
ISC III 08 22 41 04.8±.97 **63.55N**±.036 **151.1W**±.11 **8**±7.1 **29 0-5**
NEIC III 08 22 41 05.2 63.50N 151.02W 4 **¶97iii1852**
NEIC M_L3.1(PMR), M_L2.7(AEIC), After AEIC.
ISC III 09 06 46 42.5±.56 **62.95N**±.029 **151.18W**±.077 **144**±9.1 **94 1-7**
NEIC III 09 06 46 44.5 62.95N 151.30W 126 **¶97iii1922**
NEIC After AEIC.
ISC III 09 16 12 42.5±.90 **63.44N**±.027 **151.46W**±.082 **19**±9.8 **73 0-5**
NEIC III 09 16 12 41.6 63.40N 151.56W 6 **¶97iii2018**
NEIC M_L3.4(PMR), M_L3.1(AEIC), After AEIC.
ISC III 10 18 44 34±1.0 **62.50N**±.059 **151.3W**±.12 **97**±17 **20 0-5**
NEIC III 10 18 44 35.3 62.50N 151.24W 87 **¶97iii2258**
NEIC After AEIC.
ISC III 12 06 26 44.4±.84 **63.40N**±.032 **145.25W**±.089 **5**±7.4 **30 0-5**
NEIC III 12 06 26 44.8 63.35N 145.26W 4 **¶97iii2487**
NEIC M_L2.9(AEIC), After AEIC.
ISC III 12 22 07 27±1.1 **63.54N**±.034 **151.0W**±.11 **3**±8.0 **41 0-5**
NEIC III 12 22 07 27.5 63.50N 151.00W 6 **¶97iii2594**
NEIC M_L3.0(PMR), M_L2.5(AEIC), After AEIC.
ISC III 14 23 32 51.9±.77 **62.98N**±.040 **150.9W**±.12 **125**±12 **37 1-6**
NEIC III 14 23 32 52.8 62.98N 151.07W 116 **¶97iii2962**
NEIC After AEIC.
ISC III 15 02 17 14.9±.29 **62.12N**±.023 **150.20W**±.054 **61**±9.7 **83 0-6**
NEIC III 15 02 17 16.1 62.06N 150.21W 47 **¶97iii2978**
NEIC M_L3.0(PMR), M_L2.5(AEIC), After AEIC.
ISC III 15 16 57 38.1±.72 **62.99N**±.033 **150.76W**±.089 **130**±12 **62 1-4**
NEIC III 15 16 57 39.8 62.98N 150.83W 108 **¶97iii3076**
NEIC After AEIC.
ISC III 17 15 10 06.2±.31 **64.01N**±.025 **147.37W**±.072 **5** **48 0-4**
NEIC III 17 15 10 06.2 63.95N 147.40W 5 **¶97iii3392**
NEIC M_L3.3(PMR), M_L2.8(AEIC), After AEIC.
ISC III 17 19 58 09.3±.35 **62.15N**±.025 **150.81W**±.063 **66**±11 **71 0-6**
NEIC III 17 19 58 10.5 62.09N 150.77W 59 **¶97iii3429**
NEIC M_L2.6(AEIC), After AEIC.
ISC III 18 11 56 26.1±.39 **62.02N**±.025 **151.10W**±.063 **81**±9.4 **78 0-5**
NEIC III 18 11 56 27.9 61.98N 151.12W 63 **¶97iii3530**
NEIC M_L3.2(PMR), M_L2.9(AEIC), After AEIC.
ISC III 20 22 02 46.8±.73 **62.11N**±.043 **141.2W**±.16 **4** **21 1-6**
NEIC III 20 22 02 47.5 62.03N 141.41W 4 **¶97iii3958**
NEIC M_L2.7(AEIC), After AEIC.
ISC III 22 04 53 26.2±.90 **63.59N**±.033 **150.61W**±.089 **8**±7.4 **40 0-5**
NEIC III 22 04 53 26.4 63.52N 150.66W 9 **¶97iii4204**
NEIC M_L2.9(PMR), M_L2.5(AEIC), After AEIC.
ISC III 23 01 12 32.8±.34 **62.02N**±.025 **150.40W**±.055 **71**±9.2 **80 0-4**
NEIC III 23 01 12 34.3 61.98N 150.46W 54 **¶97iii4357**
NEIC M_L3.3(PMR), M_L2.9(AEIC), After AEIC.
ISC III 23 01 16 19±1.1 **63.14N**±.043 **150.4W**±.12 **131**±16 **42 0-3**
NEIC III 23 01 16 19.7 63.16N 150.58W 125 **¶97iii4358**
NEIC After AEIC.
ISC III 23 11 56 11.8±.76 **64.04N**±.027 **149.35W**±.073 **13**±6.6 3.0b **67 0-45**
NEIC III 23 11 56 11.6 64.00N 149.37W 12 **¶97iii4439**
EIDC III 23 11 56 12.4 64.2N 148.8W 0 3.2L,2.8b
NEIC M_L3.9(PMR), M_L3.6(AEIC), After AEIC.
ISC III 23 19 35 18.5±.52 **62.02N**±.025 **148.29W**±.054 **30**±6.0 **67 0-4**
NEIC III 23 19 35 19.3 62.02N 148.34W 35 **¶97iii4478**
NEIC M_L2.6(AEIC), After AEIC.
ISC III 24 10 17 28.9±.81 **63.51N**±.029 **144.48W**±.068 **6**±6.7 **60 0-7**
NEIC III 24 10 17 29.4 63.41N 144.55W 8 **¶97iii4558**
PGC III 24 10 17 29.9 63.4N 144.6W 5 3.2L
NEIC M_L3.1(AEIC), After AEIC.
PGC Eastern Alaska.
ISC III 26 21 06 47±1.4 **63.44N**±.051 **151.0W**±.15 **173**±18 **29 0-5**
NEIC III 26 21 06 48.7 63.44N 150.97W 159 **¶97iii5079**
NEIC After AEIC.
ISC III 28 05 42 26.4±.47 **62.93N**±.026 **148.16W**±.074 **81**±12 **55 0-5**
NEIC III 28 05 42 27.2 62.92N 148.23W 67 **¶97iii5368**
NEIC M_L2.9(PMR), M_L2.8(AEIC), After AEIC.
ISC III 29 05 01 00.1±.28 **63.56N**±.023 **147.29W**±.065 **8** **59 0-5**
NEIC III 29 05 00 59.9 63.51N 147.27W 8 **¶97iii5532**
NEIC M_L3.0(PMR), M_L2.5(AEIC), After AEIC.
ISC IV 01 08 03 37±1.1 **62.92N**±.068 **149.6W**±.14 **81**±17 **17 0-4**
NEIC IV 01 08 03 37.4 62.91N 149.54W 73 **¶97iv0035**
NEIC After AEIC.
ISC IV 02 02 11 46.5±.81 **63.58N**±.028 **147.90W**±.069 **2**±7.9 **46 0-4**
NEIC IV 02 02 11 47.1 63.53N 147.88W 16 **¶97iv0172**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 02 17 26 24±1.3 **63.26N**±.053 **151.1W**±.15 **10**±12 **13 0-3**
NEIC IV 02 17 26 24.1 63.26N 151.05W 8 **¶97iv0277**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 05 09 50 13.1±.75 **62.68N**±.037 **149.5W**±.15 **65**±17 **24 0-5**
NEIC IV 05 09 50 13.5 62.65N 149.45W 62 **¶97iv0744**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 05 12 07 20.6±.22 **63.25N**±.022 **150.57W**±.061 **140**±3.4 **3.8b** **121 0-145**
EIDC IV 05 12 07 21.8 63.4N 150.6W 128 3.6b **¶97iv0764**
NEIC IV 05 12 07 21.9 63.22N 150.62W 132 3.6b
NEIC After AEIC.
ISC IV 06 07 21 03.3±.49 **62.25N**±.020 **150.41W**±.052 **22**±5.4 **3.7b**,3.6s **93 0-57**
EIDC IV 06 07 20 59.5 62.2N 150.8W 0 3.7b,3.9L **¶97iv0959**
NEIC IV 06 07 21 03.6 62.19N 150.41W 13
NEIC M_L4.1(PMR), M_L3.8(AEIC). Felt I=IV MM, After AEIC.
NEIC Felt I=IV MM at Trappers Creek and III MM at Talkeetna. Also felt at Skwentna.
ISC IV 06 09 02 18.4±.61 **62.22N**±.039 **150.40W**±.097 **18**±8.9 **22 0-4**
NEIC IV 06 09 02 18.6 62.15N 150.42W 7 **¶97iv0970**
NEIC M_L3.3(PMR), M_L2.9(AEIC), After AEIC.
ISC IV 06 16 52 59±1.2 **62.58N**±.063 **151.3W**±.16 **99**±18 **17 1-5**
NEIC IV 06 16 53 00.4 62.59N 151.24W 89 **¶97iv1021**
NEIC After AEIC.
ISC IV 07 06 46 20.9±.85 **63.33N**±.032 **151.2W**±.10 **18**±9.3 **35 0-5**
NEIC IV 07 06 46 21.4 63.29N 151.04W 16 **¶97iv1115**
NEIC M_L3.5(PMR), M_L3.1(AEIC), After AEIC.
ISC IV 08 07 42 35.3±.56 **64.84N**±.044 **148.94W**±.093 **26**±6.5 **25 0-4**
NEIC IV 08 07 42 35.4 64.84N 148.95W 22 **¶97iv1291**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 09 16 45 23.7±.39 **62.87N**±.024 **150.71W**±.070 **110**±7.6 3.0b **90 1-31**
EIDC IV 09 16 45 14.9 62.4N 151.1W 0 4.0L,3.3b **¶97iv1555**
NEIC IV 09 16 45 24.9 62.85N 150.77W 96
NEIC After AEIC.
ISC IV 10 13 52 49.8±.21 **62.06N**±.023 **150.26W**±.054 **87**±4.2 **4.0b** **97 0-142**
EIDC IV 10 13 52 50.2 62.1N 150.5W 86 3.8b **¶97iv1704**
NEIC IV 10 13 52 51.8 62.02N 150.30W 56
NEIC M_L3.9(AEIC), M_L3.9(PMR). Felt I=II MM, After AEIC.
NEIC Felt I=II MM at Palmer. Also felt at Anchorage.
ISC IV 12 09 46 13±1.7 **63.56N**±.047 **151.6W**±.14 **12**±13 **20 0-17**
NEIC IV 12 09 46 13.0 63.50N 151.60W 12 **¶97iv2048**
NEIC M_L3.2(PMR), M_L2.9(AEIC), After AEIC.
ISC IV 13 10 34 08.3±.38 **62.90N**±.026 **151.85W**±.081 **10** **60 1-5**
NEIC IV 13 10 34 09.0 62.87N 151.68W 10 **¶97iv2223**
NEIC M_L3.0(PMR), M_L2.3(AEIC), After AEIC.
ISC IV 13 12 24 05.3±.74 **63.56N**±.032 **150.85W**±.098 **14**±5.6 **38 0-16**
NEIC IV 13 12 24 05.5 63.51N 150.74W 13 **¶97iv2240**
NEIC M_L3.6(PMR), M_L3.0(AEIC), After AEIC.
ISC IV 13 12 43 07.7±.77 **63.54N**±.038 **150.9W**±.11 **13**±5.7 **28 0-5**
NEIC IV 13 12 43 08.1 63.49N 150.83W 9 **¶97iv2243**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 13 22 03 55.0±.61 **63.08N**±.031 **149.92W**±.082 **103**±11 **58 0-5**
NEIC IV 13 22 03 55.6 63.06N 149.88W 95 **¶97iv2307**
NEIC After AEIC.
ISC IV 16 06 47 24.7±.86 **64.67N**±.048 **150.8W**±.12 **28**±9.9 **22 0-4**
NEIC IV 16 06 47 23.7 64.66N 151.01W 19 **¶97iv2710**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 16 07 10 53.1±.84 **63.42N**±.041 **145.23W**±.095 **7**±7.4 **22 0-5**
NEIC IV 16 07 10 53.3 63.36N 145.22W 3 **¶97iv2713**
NEIC M_L3.5(PMR), M_L3.3(AEIC), After AEIC.
ISC IV 16 12 50 06.6±.88 **63.41N**±.028 **145.17W**±.079 **4**±7.4 **48 0-4**
NEIC IV 16 12 50 06.9 63.37N 145.20W 6 **¶97iv2757**
NEIC M_L2.6(AEIC), After AEIC.
ISC IV 18 09 44 45.9±.86 **62.63N**±.022 **152.08W**±.069 **21**±9.2 **3.7b** **92 1-46**
NEIC IV 18 09 44 45.6 62.57N 152.08W 13 3.5b **¶97iv3053**
EIDC IV 18 09 44 48.1 62.6N 151.0W 0 3.8b,3.3L
NEIC M_L3.9(AEIC), M_L3.8(PMR), After AEIC.
ISC IV 18 10 03 53.6±.80 **63.33N**±.028 **151.29W**±.090 **18**±8.9 **52 0-5**
NEIC IV 18 10 03 53.8 63.29N 151.20W 17 **¶97iv3057**
NEIC M_L3.6(PMR), M_L3.4(AEIC), After AEIC.
ISC IV 19 06 45 25.6±.40 **62.20N**±.030 **150.31W**±.064 **68**±11 **57 0-4**
¶97iv3168
NEIC IV 19 09 34 35.8 64.93N 147.59W 12 0-0
NEIC M_L2.4(AEIC). Felt, After AEIC. **¶97iv3184**
NEIC Felt at Fairbanks and North Pole.
ISC IV 21 06 10 47.8±.83 **62.57N**±.039 **151.2W**±.13 **104**±14 **32 0-6**
NEIC IV 21 06 10 48.8 62.55N 151.24W 89 **¶97iv3413**
NEIC After AEIC.
ISC IV 22 03 49 00.9±.95 **63.85N**±.069 **149.7W**±.30 **8** **8 1-4**
NEIC IV 22 03 49 01.1 63.79N 149.64W 8 **¶97iv3634**
NEIC M_L2.9(PMR), M_L2.4(AEIC), After AEIC.
ISC IV 23 00 11 55±1.3 **63.99N**±.056 **149.0W**±.13 **7**±11 **16 0-4**
¶97iv3855
ISC IV 24 19 05 19.2±.64 **62.81N**±.029 **150.70W**±.087 **112**±12 **58 0-4**
NEIC IV 24 19 05 20.5 62.80N 150.80W 93 **¶97iv4195**
NEIC After AEIC.
ISC IV 25 06 55 52±1.0 **63.47N**±.028 **151.26W**±.093 **12**±7.5 **56 0-5**
NEIC IV 25 06 55 52.3 63.40N 151.25W 10 **¶97iv4302**
NEIC M_L3.2(PMR), M_L2.8(AEIC), After AEIC.
ISC IV 25 17 03 07±1.2 **63.39N**±.038 **151.3W**±.12 **11**±9.1 **25 0-5**
NEIC IV 25 17 03 07.3 63.34N 151.26W 9 **¶97iv4384**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 26 03 54 02.1±.77 **63.53N**±.036 **150.8W**±.11 **12**±5.9 **29 0-5**
NEIC IV 26 03 54 02.2 63.50N 150.80W 10 **¶97iv4460**
NEIC M_L3.2(PMR), M_L2.8(AEIC), After AEIC.
ISC IV 28 07 06 16±1.1 **63.33N**±.035 **151.21W**±.098 **9**±9.2 **53 0-3**
NEIC IV 28 07 06 15.5 63.27N 151.14W 9 **¶97iv4872**
NEIC M_L2.5(AEIC), After AEIC.
ISC IV 28 13 46 53±1.1 **63.27N**±.030 **151.17W**±.088 **4**±8.6 **55 0-5**
NEIC IV 28 13 46 53.8 63.26N 151.10W 6 **¶97iv4930**
NEIC M_L3.1(PMR), M_L2.7(AEIC), After AEIC.
ISC IV 30 17 55 55.1±.58 **63.06N**±.029 **150.88W**±.086 **133**±10 **72 0-5**
NEIC IV 30 17 55 56.7 63.03N 150.90W 119 **¶97iv5239**
NEIC After AEIC.
ISC V 01 23 10 03.1±.79 **62.98N**±.036 **151.0W**±.10 **131**±12 **51 1-4**
NEIC V 01 23 10 05.0 62.97N 151.05W 109 **¶97v0174**
NEIC After AEIC.
ISC V 02 18 43 59±1.0 **63.16N**±.029 **152.00W**±.085 **19**±11 **72 1-6**
NEIC V 02 18 43 58.9 63.15N 152.09W 19 **¶97v0313**
NEIC M_L3.6(PMR), M_L3.1(AEIC), After AEIC.
ISC V 03 05 09 15±1.2 **63.33N**±.036 **151.4W**±.11 **11**±9.2 **33 0-5**
NEIC V 03 05 09 15.5 63.28N 151.18W 12 **¶97v0383**
NEIC M_L3.5(PMR), M_L2.9(AEIC), After AEIC.
ISC V 04 08 57 11.3±.83 **63.42N**±.024 **145.18W**±.064 **5**±6.9 **74 0-14**
NEIC V 04 08 57 11.7 63.37N 145.18W 4 **¶97v0603**
NEIC M_L3.9(PMR), M_L3.5(AEIC), After AEIC.
ISC V 05 01 34 26±1.4 **63.34N**±.028 **151.53W**±.082 **11**±11 **65 0-17**
NEIC V 05 01 34 26.2 63.27N 151.43W 7 **¶97v0723**
NEIC M_L3.8(PMR), M_L3.4(AEIC), After AEIC.
ISC V 05 06 00 38.8±.75 **63.56N**±.031 **150.88W**±.098 **13**±5.5 **44 0-6**
NEIC V 05 06 00 39.0 63.50N 150.87W 10 **¶97v0748**
NEIC M_L3.1(AEIC), M_L3.5(PMR), After AEIC.
ISC V 06 01 06 13±1.0 **63.28N**±.027 **151.15W**±.080 **10**±8.5 **59 0-5**
NEIC V 06 01 06 13.5 63.27N 151.10W 9 **¶97v0873**
NEIC M_L3.3(PMR), M_L3.0(AEIC), After AEIC.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V 06 09 47 23.7**±.39	**62.26N**±.027	**148.99W**±.060	**61**±16		**59**	**1-4**
NEIC	V 06 09 47 25.3	62.26N	149.10W	44			¶97v0943
NEIC	M_L2.8(PMR), M_L2.6(AEIC), After AEIC.						
ISC	**V 06 11 19 54.7**±.80	**63.61N**±.028	**150.61W**±.078	**12**±6.4		**57**	**0-16**
NEIC	V 06 11 19 54.8	63.54N	150.73W	14			¶97v0954
NEIC	M_L3.3(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**V 06 19 38 31.3**±.37	**62.92N**±.030	**151.20W**±.089	**115**		**57**	**1-5**
NEIC	V 06 19 38 32.1	62.92N	151.30W	115			¶97v1001
NEIC	After AEIC.						
ISC	**V 07 08 43 36**±1.1	**62.23N**±.027	**150.33W**±.070	**15**±9.5		**49**	**0-6**
NEIC	V 07 08 43 36.2	62.19N	150.30W	15			¶97v1069
NEIC	M_L2.8(PMR), M_L2.5(AEIC), After AEIC.						
ISC	**V 07 17 19 19.2**±.70	**63.30N**±.032	**149.8W**±.11	**119**±11		**54**	**0-5**
NEIC	V 07 17 19 21.1	63.29N	149.80W	97			¶97v1128
NEIC	After AEIC.						
ISC	**V 07 21 09 02.2**±.58	**63.23N**±.031	**150.40W**±.086	**135**±9.4		**64**	**0-10**
NEIC	V 07 21 09 03.2	63.21N	150.55W	126			¶97v1145
NEIC	After AEIC.						
ISC	**V 08 04 00 37**±1.1	**63.27N**±.029	**151.15W**±.094	**3**±9.1		**48**	**0-5**
NEIC	V 08 04 00 37.2	63.28N	151.14W	6			¶97v1176
NEIC	M_L3.0(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**V 08 14 10 35.6**±.39	**62.91N**±.023	**149.52W**±.063	**99**±9.0		**88**	**0-5**
NEIC	V 08 14 10 36.5	62.90N	149.52W	84			¶97v1256
NEIC	After AEIC.						
ISC	**V 09 12 48 52.2**±.59	**63.85N**±.036	**148.69W**±.096	**132**±9.0		**41**	**0-15**
NEIC	V 09 12 48 54.0	63.84N	148.72W	115	2.7b		¶97v1425
NEIC	After AEIC.						
ISC	**V 09 14 53 36.9**±.56	**62.00N**±.040	**150.74W**±.086	**84**±10		**37**	**0-6**
NEIC	V 09 14 53 39.0	61.95N	150.72W	63			¶97v1440
NEIC	M_L3.0(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**V 11 21 12 41.0**±.80	**62.54N**±.039	**151.2W**±.11	**102**±13		**37**	**0-6**
NEIC	V 11 21 12 42.2	62.52N	151.25W	86			¶97v1843
NEIC	After AEIC.						
ISC	**V 13 18 08 22.6**±.48	**63.18N**±.044	**150.3W**±.13	**114**		**27**	**0-4**
NEIC	V 13 18 08 23.3	63.20N	150.39W	114			¶97v2289
NEIC	After AEIC.						
ISC	**V 13 20 56 04.5**±.54	**63.06N**±.033	**149.10W**±.088	**88**±11		**41**	**0-16**
NEIC	V 13 20 56 05.2	63.04N	149.04W	77			¶97v2325
NEIC	After AEIC.						
ISC	**V 13 21 31 03.7**±.89	**62.43N**±.041	**151.2W**±.12	**122**±13		**35**	**0-5**
NEIC	V 13 21 31 05.6	62.44N	151.32W	107			¶97v2335
NEIC	After AEIC.						
ISC	**V 15 23 53 28.2**±.74	**63.27N**±.067	**152.1W**±.15	**33**		**12**	**2-5**
NEIC	V 15 23 53 28.0	63.27N	152.06W	33			¶97v2697
NEIC	$M_{L3.5}$(PMR).						
ISC	**V 18 14 21 23.4**±.75	**64.96N**±.042	**148.55W**±.090	**11**±5.8		**33**	**0-4**
NEIC	V 18 14 21 23.3	64.99N	148.55W	17			¶97v3100
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**V 19 04 20 32.6**±.87	**63.40N**±.037	**145.23W**±.094	**5**±7.8		**25**	**0-4**
NEIC	V 19 04 20 33.0	63.36N	145.26W	8			¶97v3193
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**V 19 04 32 27.0**±.81	**63.45N**±.026	**145.21W**±.068	**7**±6.7		**61**	**0-14**
NEIC	V 19 04 32 27.2	63.37N	145.28W	8			¶97v3195
NEIC	M_L3.9(PMR), M_L3.8(AEIC), After AEIC.						
ISC	**V 19 12 43 06.8**±.87	**63.40N**±.035	**145.22W**±.088	**4**±7.6		**29**	**0-5**
NEIC	V 19 12 43 07.1	63.36N	145.27W	4			¶97v3256
NEIC	M_L3.4(PMR), M_L3.2(AEIC), After AEIC.						
ISC	**V 21 13 48 59.1**±.97	**62.90N**±.098	**151.5W**±.17	**18**		**8**	**1-3**
NEIC	V 21 13 48 55.8	63.08N	151.66W	18			¶97v3564
NEIC	M_L2.4(AEIC), M_L2.8(PMR), After AEIC.						
NEIC	**V 21 22 18 16.7**	**63.72N**	**149.55W**	**124**			**2-2**
NEIC	After AEIC.						¶97v3615
ISC	**V 22 13 04 47.4**±.36	**62.77N**±.022	**148.67W**±.061	**72**±13		**78**	**0-5**
NEIC	V 22 13 04 48.1	62.72N	148.71W	59			¶97v3775
NEIC	M_L2.9(AEIC), M_L3.0(PMR), After AEIC.						
ISC	**V 23 09 42 33.7**±.75	**63.46N**±.066	**151.5W**±.16	**8**		**12**	**2-5**
NEIC	V 23 09 42 34.5	63.39N	151.48W	8			¶97v3928
NEIC	M_L3.5(AEIC), M_L3.8(PMR), After AEIC.						
NEIC	**V 23 12 10 47.3**	**63.18N**	**149.58W**	**86**			**1-2**
NEIC	After AEIC.						¶97v3950
NEIC	**V 23 23 10 35.4**	**63.36N**	**145.31W**	**7**			**2-3**
NEIC	M_L2.5(AEIC), After AEIC.						¶97v4019
ISC	**V 25 08 52 40.5**±.75	**63.36N**±.065	**151.1W**±.17	**19**		**11**	**2-3**
NEIC	V 25 08 52 40.7	63.31N	151.06W	19			¶97v4247
NEIC	M_L3.0(AEIC), M_L3.3(PMR), After AEIC.						
ISC	**V 28 10 10 36**±1.2	**63.48N**±.050	**151.2W**±.16	**12**±9.5		**14**	**0-3**
NEIC	V 28 10 10 36.7	63.46N	151.11W	9			¶97v4702
NEIC	M_L3.1(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**V 29 08 15 03.2**±.51	**63.68N**±.035	**149.8W**±.11	**138**±7.2	2.9b	**44**	**0-45**
EIDC	V 29 08 14 57.7	62.9N	149.0W	0	3.1b,2.9L		¶97v4841
NEIC	V 29 08 15 04.7	63.72N	149.85W	136			
NEIC	After AEIC.						
ISC	**V 29 08 43 29.0**±.53	**64.86N**±.046	**147.2W**±.10	**19**±6.8		**22**	**0-3**
NEIC	V 29 08 43 29.2	64.81N	147.22W	17			¶97v4844
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**V 31 18 43 20.7**±.43	**63.07N**±.036	**150.5W**±.12	**110**		**34**	**0-5**
NEIC	V 31 18 43 21.7	63.06N	150.67W	110			¶97v5219
NEIC	After AEIC.						
ISC	**V 31 19 14 37.0**±.61	**63.03N**±.036	**149.37W**±.098	**95**±12		**32**	**0-5**
NEIC	V 31 19 14 38.1	63.00N	149.34W	81			¶97v5225
NEIC	After AEIC.						
ISC	**VI 01 08 24 07.5**±.41	**63.05N**±.025	**150.53W**±.066	**122**±7.9		**99**	**0-16**
NEIC	VI 01 08 24 08.9	63.04N	150.64W	106			¶97vi0044
NEIC	After AEIC.						
ISC	**VI 02 19 01 20**±1.3	**62.61N**±.090	**149.8W**±.17	**108**±31		**11**	**1-4**
NEIC	VI 02 19 01 22.4	62.60N	149.79W	76			¶97vi0290
NEIC	After AEIC.						
ISC	**VI 04 00 22 46.4**±.98	**64.75N**±.089	**149.6W**±.18	**20**		**9**	**1-5**
NEIC	VI 04 00 22 46.2	64.81N	149.58W	20			¶97vi0538
NEIC	M_L3.6(PMR), M_L3.2(AEIC). Felt, After AEIC.						
NEIC	Felt at Fairbanks.						
ISC	**VI 04 04 21 20**±1.9	**62.8N**±.11	**151.1W**±.18	**143**±40		**10**	**1-4**
NEIC	VI 04 04 21 22.5	62.82N	151.07W	104			¶97vi0556
NEIC	After AEIC.						
NEIC	**VI 04 09 12 30.6**	**63.93N**	**148.35W**	**110**			**2-4**
NEIC	After AEIC.						¶97vi0588
ISC	**VI 04 17 53 24**±1.0	**63.6N**±.12	**149.9W**±.24	**121**±36		**7**	**2-16**
							¶97vi0653
ISC	**VI 06 04 20 32**±1.1	**63.2N**±.11	**151.1W**±.21	**5**		**5**	**2-3**
NEIC	VI 06 04 20 32.4	63.26N	150.86W	5			¶97vi0882
NEIC	M_L2.8(PMR), M_L2.5(AEIC), After AEIC.						
ISC	**VI 11 10 00 26.3**±.96	**64.27N**±.037	**146.8W**±.11	**12**±9.1		**31**	**0-4**
NEIC	VI 11 10 00 26.1	64.24N	146.87W	16			¶97vi1661
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**VI 12 19 21 30.0**±.65	**63.10N**±.033	**150.90W**±.089	**140**±11		**61**	**0-5**
NEIC	VI 12 19 21 31.4	63.09N	150.94W	128			¶97vi1888
NEIC	After AEIC.						
ISC	**VI 16 01 52 27.4**±.29	**62.58N**±.024	**151.16W**±.066	**103**±5.9	**3.6b**	**91**	**0-54**
EIDC	VI 16 01 52 17.7	62.2N	151.7W	0	3.7b,4.2L		¶97vi2388
NEIC	VI 16 01 52 28.1	62.56N	151.27W	96			
NEIC	After AEIC.						
ISC	**VI 18 08 29 43**±1.4	**63.49N**±.034	**151.3W**±.12	**5**±10		**37**	**0-5**
NEIC	VI 18 08 29 41.8	63.46N	151.41W	7			¶97vi2756
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**VI 20 09 10 16.7**±.44	**62.81N**±.026	**148.22W**±.076	**82**±12		**50**	**0-5**
NEIC	VI 20 09 10 17.9	62.79N	148.26W	60			¶97vi3036
NEIC	M_L3.2(PMR), M_L2.9(AEIC), After AEIC.						
ISC	**VI 21 17 43 30.5**±.27	**62.04N**±.024	**148.44W**±.050	**62**±8.5		**88**	**0-16**
NEIC	VI 21 17 43 31.8	62.04N	148.44W	45			¶97vi3259
NEIC	M_L3.7(AEIC), M_L3.5(PMR). Felt I=II MM, After AEIC.						
NEIC	Felt I=II MM at Palmer.						
ISC	**VI 22 01 36 30.8**±.37	**63.02N**±.033	**150.91W**±.099	**131**±6.4	**3.4b**	**47**	**1-56**
EIDC	VI 22 01 36 31.8	63.1N	151.1W	118	3.2b		¶97vi3307
NEIC	VI 22 01 36 32.1	63.00N	150.93W	122	3.0b		
NEIC	After AEIC.						
ISC	**VI 22 02 41 19.3**±.46	**62.63N**±.029	**149.51W**±.079	**66**±15		**49**	**0-5**
NEIC	VI 22 02 41 19.5	62.60N	149.54W	65			¶97vi3312
NEIC	M_L3.0(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**VI 22 15 44 14.6**±.53	**62.25N**±.036	**151.0W**±.10	**86**±11		**38**	**0-6**
NEIC	VI 22 15 44 16.3	62.20N	151.01W	71			¶97vi3409
NEIC	After AEIC.						
ISC	**VI 25 04 16 07**±1.4	**63.40N**±.045	**151.2W**±.14	**9**±11		**19**	**0-5**
NEIC	VI 25 04 16 07.6	63.39N	151.19W	7			¶97vi3844
NEIC	M_L3.3(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**VI 25 17 06 57**±1.0	**63.88N**±.054	**148.9W**±.14	**129**±17		**23**	**1-6**
NEIC	VI 25 17 06 58.9	63.88N	148.84W	115			¶97vi3990
NEIC	After AEIC.						
ISC	**VI 26 19 25 37.0**±.61	**62.12N**±.040	**149.8W**±.10	**61**±13		**28**	**0-6**
NEIC	VI 26 19 25 38.1	62.08N	149.81W	50			¶97vi4193
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**VI 26 20 20 26.2**±.81	**63.00N**±.038	**150.4W**±.12	**120**±12		**34**	**0-5**
NEIC	VI 26 20 20 28.1	62.99N	150.38W	101			¶97vi4197
NEIC	After AEIC.						
ISC	**VI 28 21 40 46.9**±.51	**64.43N**±.044	**148.1W**±.12	**23**±7.7		**23**	**0-4**
NEIC	VI 28 21 40 46.7	64.39N	147.97W	20			¶97vi4527
NEIC	M_L2.5(AEIC), After AEIC.						

(2) Southern Alaska.

ISC	**I 01 10 13 49**±1.2	**61.4N**±.27	**150.7W**±.20	**37**		**5**	**0-2**
NEIC	I 01 10 13 54.1	61.47N	149.87W	37			¶97i0056
NEIC	M_L2.8(PMR), M_L2.2(AEIC), After AEIC.						
ISC	**I 02 20 36 56.7**±.99	**59.84N**±.044	**152.9W**±.12	**129**±10		**61**	**0-4**
NEIC	I 02 20 36 59.2	59.88N	152.88W	110			¶97i0269
NEIC	After AEIC.						
ISC	**I 03 05 29 31.8**±.74	**60.25N**±.034	**152.01W**±.087	**97**±10		**60**	**0-5**
NEIC	I 03 05 29 36.0	60.28N	151.95W	51			¶97i0328
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 04 06 35 13**±1.3	**59.04N**±.064	**154.0W**±.16	**133**±11		**58**	**0-7**
NEIC	I 04 06 35 17.0	59.10N	154.08W	104			¶97i0489
NEIC	After AEIC.						
ISC	**I 04 18 00 27**±1.3	**59.27N**±.058	**152.6W**±.13	**97**±15		**38**	**0-3**
NEIC	I 04 18 00 28.5	59.33N	152.66W	89			¶97i0567
NEIC	After AEIC.						
ISC	**I 05 05 26 12.2**±.89	**59.42N**±.048	**152.37W**±.090	**65**±13		**39**	**0-3**
NEIC	I 05 05 26 12.6	59.45N	152.37W	68			¶97i0620
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 07 11 30 53.3**±.95	**60.42N**±.043	**152.9W**±.12	**162**±9.4		**66**	**0-6**
NEIC	I 07 11 30 55.0	60.36N	152.83W	150			¶97i0914
NEIC	After AEIC.						
ISC	**I 08 17 44 44**±1.1	**59.87N**±.045	**152.9W**±.13	**133**±11		**55**	**0-3**
NEIC	I 08 17 44 48.2	59.91N	152.78W	93			¶97i1091
NEIC	After AEIC.						
ISC	**I 09 04 19 09.8**±.70	**59.44N**±.044	**152.85W**±.087	**115**±7.0		**99**	**0-19**
NEIC	I 09 04 19 12.0	59.48N	152.84W	98	3.0b		¶97i1167
NEIC	After AEIC.						
ISC	**I 10 20 55 45.3**±.34	**61.10N**±.032	**145.47W**±.050	**60**±9.5		**72**	**0-15**
NEIC	I 10 20 55 46.8	61.11N	145.44W	25	3.2b		¶97i1426
NEIC	M_L3.5(PMR), M_L3.4(AEIC), After AEIC.						
ISC	**I 11 18 54 29.6**±.95	**59.80N**±.049	**152.6W**±.10	**96**±11		**48**	**0-6**
NEIC	I 11 18 54 31.7	59.85N	152.56W	78			¶97i1562
NEIC	After AEIC.						
ISC	**I 15 06 46 57**±2.2	**60.16N**±.076	**153.3W**±.28	**161**±17		**33**	**0-5**
NEIC	I 15 06 46 58.5	60.14N	153.05W	152			¶97i2112
NEIC	After AEIC.						
ISC	**I 15 20 16 09**±1.5	**60.18N**±.050	**153.2W**±.18	**149**±14		**51**	**0-4**
NEIC	I 15 20 16 09.8	60.16N	153.11W	150			¶97i2204
NEIC	After AEIC.						
ISC	**I 16 22 13 13.2**±.42	**61.29N**±.031	**150.78W**±.054	**78**±7.9		**66**	**0-7**
NEIC	I 16 22 13 15.5	61.26N	150.85W	49			¶97i2368
NEIC	M_L3.1(PMR), M_L2.6(AEIC), After AEIC.						
ISC	**I 17 22 42 11.2**±.43	**61.18N**±.039	**150.34W**±.050	**70**±8.7		**63**	**0-17**
NEIC	I 17 22 42 12.6	61.21N	150.41W	55	2.4b		¶97i2550
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**I 18 13 04 27.8**±.63	**60.20N**±.034	**152.53W**±.080	**120**±7.7		**80**	**0-18**
NEIC	I 18 13 04 30.5	60.25N	152.66W	96			¶97i2662
NEIC	After AEIC.						
ISC	**I 19 01 03 02**±1.3	**60.50N**±.059	**153.1W**±.16	**163**±12		**43**	**0-6**
NEIC	I 19 01 03 03.9	60.43N	152.94W	153			¶97i2756
NEIC	After AEIC.						
ISC	**I 20 08 20 14.6**±.82	**60.22N**±.039	**152.20W**±.088	**117**±9.8		**62**	**0-6**
NEIC	I 20 08 20 17.8	60.24N	152.24W	85			¶97i2963
NEIC	After AEIC.						
ISC	**I 21 08 33 15.8**±.51	**60.37N**±.036	**146.88W**±.046	**30**±5.6		**67**	**0-6**
NEIC	I 21 08 33 17.2	60.43N	146.89W	20			¶97i3161
NEIC	M_L3.2(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**I 22 01 21 46.5**±.80	**59.69N**±.040	**152.95W**±.097	**117**±8.7		**79**	**0-6**
NEIC	I 22 01 21 49.3	59.76N	152.96W	95			¶97i3259
NEIC	After AEIC.						

ISC	**I**	**23 20 49 54.2**±.84	**61.3N**±.10	**152.0W**±.14	**10**			**7**	**1-5**
NEIC	I	23 20 49 54.1	61.35N	152.02W	10				**¶97i3545**
NEIC	M_L2.2(AEIC).								
ISC	**I**	**24 07 25 13**±1.4	**59.83N**±.052	**153.3W**±.15	**151**±14			**49**	**0-6**
NEIC	I	24 07 25 16.3	59.86N	153.29W	129				**¶97i3613**
NEIC	After AEIC.								
ISC	**I**	**24 09 04 32.4**±.39	**59.32N**±.034	**153.45W**±.066	**117**±3.8	**3.7b**		**106**	**0-53**
EIDC	I	24 09 04 32.0	59.4N	153.6W	83	3.5b			**¶97i3623**
NEIC	I	24 09 04 33.5	59.32N	153.54W	111	3.2b			
NEIC	After AEIC.								
ISC	**I**	**24 21 28 00.0**±.59	**61.52N**±.032	**152.06W**±.069	**7**±4.5			**56**	**0-5**
NEIC	I	24 21 28 00.1	61.52N	152.04W	3				**¶97i3691**
NEIC	M_L3.1(PMR), M_L2.6(AEIC), After AEIC.								
ISC	**I**	**25 10 41 40.3**±.85	**59.84N**±.045	**153.2W**±.12	**144**±8.6			**57**	**0-19**
NEIC	I	25 10 41 42.4	59.89N	153.27W	131	2.6b			**¶97i3792**
NEIC	After AEIC.								
ISC	**I**	**26 09 55 16**±1.5	**61.4N**±.14	**151.7W**±.19	**104**±25			**7**	**0-5**
NEIC	I	26 09 55 19.6	61.41N	151.71W	77				**¶97i3920**
NEIC	After AEIC.								
ISC	**I**	**26 21 48 22.5**±.40	**61.53N**±.028	**151.36W**±.059	**90**±6.8			**79**	**0-7**
NEIC	I	26 21 48 24.9	61.54N	151.38W	66				**¶97i4004**
NEIC	M_L3.0(AEIC), After AEIC.								
ISC	**I**	**27 03 46 15.5**±.67	**61.50N**±.034	**152.02W**±.072	**4**±5.4			**46**	**0-5**
NEIC	I	27 03 46 15.7	61.52N	152.05W	3				**¶97i4042**
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**I**	**27 05 22 37.6**±.91	**60.24N**±.039	**146.14W**±.049	**13**±7.1			**57**	**0-7**
NEIC	I	27 05 22 37.8	60.28N	146.10W	3				**¶97i4050**
NEIC	M_L3.0(AEIC), After AEIC.								
ISC	**I**	**27 14 44 10**±1.7	**59.09N**±.084	**154.1W**±.23	**128**±14			**35**	**0-7**
NEIC	I	27 14 44 12.4	59.10N	154.11W	109				**¶97i4094**
NEIC	After AEIC.								
ISC	**I**	**28 20 45 25.1**±.53	**61.52N**±.026	**152.05W**±.064	**7**±4.3			**69**	**0-7**
NEIC	I	28 20 45 25.4	61.52N	152.03W	7				**¶97i4258**
NEIC	M_L3.1(AEIC), M_L3.0(PMR), After AEIC.								
ISC	**I**	**29 00 39 32**±1.0	**59.91N**±.050	**153.2W**±.12	**145**±11			**49**	**0-6**
NEIC	I	29 00 39 34.4	59.96N	153.12W	128				**¶97i4276**
NEIC	After AEIC.								
ISC	**I**	**29 13 12 38.8**±.85	**59.35N**±.050	**152.29W**±.087	**69**±12			**47**	**0-4**
NEIC	I	29 13 12 39.6	59.39N	152.27W	66				**¶97i4356**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**I**	**29 20 16 36.8**±.97	**59.76N**±.046	**153.2W**±.14	**134**±8.7			**64**	**0-19**
NEIC	I	29 20 16 39.0	59.81N	153.23W	119	3.0b			**¶97i4397**
NEIC	After AEIC.								
ISC	**I**	**29 23 08 46.2**±.38	**61.35N**±.027	**147.56W**±.047	**20**±5.1			**68**	**0-5**
NEIC	I	29 23 08 47.0	61.36N	147.49W	20				**¶97i4412**
NEIC	M_L2.9(AEIC), M_L2.9(PMR), After AEIC.								
ISC	**I**	**30 11 47 20.5**±.61	**60.13N**±.045	**147.23W**±.056	**19**±6.6			**48**	**0-7**
NEIC	I	30 11 47 21.1	60.17N	147.25W	7				**¶97i4479**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**II**	**01 05 05 10**±1.2	**59.06N**±.079	**152.14W**±.092	**79**±14			**44**	**0-3**
NEIC	II	01 05 05 12.7	59.21N	152.18W	64				**¶97ii0020**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**II**	**01 09 35 42.4**±.95	**61.59N**±.054	**152.2W**±.11	**135**±12			**46**	**0-5**
NEIC	II	01 09 35 44.7	61.58N	152.27W	120				**¶97ii0052**
NEIC	After AEIC.								
ISC	**II**	**04 10 36 57.1**±.77	**59.76N**±.054	**153.5W**±.12	**163**±6.6			**60**	**0-35**
NEIC	II	04 10 36 59.1	59.84N	153.63W	151				**¶97ii0506**
NEIC	After AEIC.								
ISC	**II**	**05 11 07 39.9**±.94	**59.09N**±.061	**152.8W**±.11	**82**±10			**53**	**0-19**
NEIC	II	05 11 07 42.2	59.18N	152.76W	66	2.5b			**¶97ii0679**
NEIC	M_L2.8(AEIC), After AEIC.								
ISC	**II**	**08 19 41 58.9**±.94	**59.59N**±.050	**152.44W**±.092	**86**±11			**51**	**0-3**
NEIC	II	08 19 42 00.0	59.66N	152.46W	80				**¶97ii1193**
NEIC	After AEIC.								
ISC	**II**	**08 21 20 13.3**±.75	**60.02N**±.037	**152.32W**±.086	**86**±10			**53**	**0-3**
NEIC	II	08 21 20 15.8	60.06N	152.26W	61				**¶97ii1208**
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**II**	**09 02 11 28.4**±.17	**61.84N**±.021	**151.68W**±.045	**101**±2.3	**4.4b**		**188**	**0-147**
BJI	II	09 02 11 26.2	61.81N	151.61W	99	4.8b			**¶97ii1240**
MOS	II	09 02 11 28.4	61.9N	151.7W	94	4.5b			
EIDC	II	09 02 11 29.7	62.0N	151.7W	96	4.1b			
NEIC	II	09 02 11 30.7	61.76N	151.65W	91	4.4b			
NEIC	After AEIC.								
NEIC	Felt at Anchorage, Skwentna, Talkeetna and Willow.								
ISC	**II**	**11 19 55 43.1**±.85	**59.77N**±.041	**152.73W**±.099	**108**±10			**61**	**0-5**
NEIC	II	11 19 55 45.5	59.81N	152.76W	88				**¶97ii1667**
NEIC	After AEIC.								
ISC	**II**	**11 23 40 28.7**±.53	**60.31N**±.029	**152.29W**±.071	**111**±6.9			**94**	**0-18**
NEIC	II	11 23 40 32.1	60.35N	152.27W	80				**¶97ii1685**
NEIC	After AEIC.								
ISC	**II**	**12 02 09 39.2**±.19	**59.98N**±.026	**152.67W**±.047	**118**±2.5	**4.4b**		**152**	**0-149**
BJI	II	12 02 09 37.2	60.13N	152.95W	97	4.8b			**¶97ii1706**
EIDC	II	12 02 09 41.0	60.2N	152.8W	110	4.0b			
NEIC	II	12 02 09 41.2	59.97N	153.16W	105	4.4b			
NEIC	Felt, After AEIC.								
NEIC	Felt at Anchorage, Palmer, Seward and Wasilla.								
ISC	**II**	**12 03 16 21**±1.1	**59.80N**±.054	**153.2W**±.13	**133**±9.6			**59**	**0-19**
NEIC	II	12 03 16 23.5	59.84N	153.20W	119	2.3b			**¶97ii1714**
NEIC	After AEIC.								
ISC	**II**	**12 04 05 48**±1.1	**60.03N**±.049	**152.9W**±.14	**128**±10			**52**	**0-18**
NEIC	II	12 04 05 49.9	60.08N	153.00W	111	2.6b			**¶97ii1719**
NEIC	After AEIC.								
ISC	**II**	**12 06 57 51**±1.8	**59.67N**±.079	**152.9W**±.17	**113**±18			**29**	**0-3**
NEIC	II	12 06 57 53.4	59.70N	152.88W	97				**¶97ii1733**
NEIC	After AEIC.								
ISC	**II**	**12 19 41 42.9**±.90	**59.82N**±.048	**153.5W**±.12	**154**±8.0			**82**	**0-19**
NEIC	II	12 19 41 46.0	59.85N	153.45W	134	2.7b			**¶97ii1807**
NEIC	After AEIC.								
ISC	**II**	**13 07 19 52.8**±.44	**61.51N**±.024	**146.70W**±.048	**30**±5.4			**79**	**0-15**
NEIC	II	13 07 19 53.6	61.51N	146.71W	17				**¶97ii1883**
NEIC	M_L3.8(PMR), M_L3.7(AEIC). Felt, After AEIC.								
NEIC	Felt at Valdez.								
ISC	**II**	**13 10 28 52**±1.3	**60.04N**±.054	**153.3W**±.15	**154**±12			**55**	**0-6**
NEIC	II	13 10 28 55.3	60.10N	153.49W	129				**¶97ii1900**
NEIC	After AEIC.								
ISC	**II**	**14 06 14 08**±1.3	**59.35N**±.074	**152.48W**±.092	**66**±16			**39**	**0-3**
NEIC	II	14 06 14 08.4	59.36N	152.48W	70				**¶97ii2032**
NEIC	M_L2.6(AEIC)								
ISC	**II**	**14 20 41 26.8**±.48	**61.29N**±.034	**151.16W**±.061	**73**±8.9			**59**	**0-5**
NEIC	II	14 20 41 28.1	61.26N	151.19W	61				**¶97ii2109**
NEIC	M_L2.4(AEIC), After AEIC.								
ISC	**II**	**15 04 38 45.1**±.35	**59.37N**±.032	**153.56W**±.062	**130**±3.7	**3.5b**		**125**	**0-149**
NEIC	II	15 04 38 46.7	59.34N	153.62W	120	3.4b			**¶97ii2173**
EIDC	II	15 04 38 46.8	59.6N	153.8W	112	3.4b			
NEIC	After AEIC.								
ISC	**II**	**15 06 25 31.3**±.59	**60.18N**±.034	**153.22W**±.087	**151**±6.3			**97**	**0-18**
NEIC	II	15 06 25 33.1	60.21N	153.28W	141	3.1b			**¶97ii2183**
NEIC	After AEIC.								
ISC	**II**	**16 06 14 43.2**±.49	**60.25N**±.032	**152.36W**±.070	**110**±6.4			**88**	**0-18**
NEIC	II	16 06 14 46.4	60.27N	152.34W	82	2.5b			**¶97ii2346**
NEIC	After AEIC.								
ISC	**II**	**16 19 45 54.6**±.97	**59.50N**±.059	**153.4W**±.12	**134**±8.5			**57**	**0-19**
NEIC	II	16 19 45 58.0	59.59N	153.39W	108	2.3b			**¶97ii2412**
NEIC	After AEIC.								
ISC	**II**	**16 21 55 05.5**±.24	**61.94N**±.024	**147.90W**±.049	**35**±14			**71**	**0-6**
NEIC	II	16 21 55 06.0	61.93N	147.87W	36				**¶97ii2431**
NEIC	M_L2.8(PMR), M_L2.7(AEIC), After AEIC.								
ISC	**II**	**17 09 33 21.7**±.16	**61.85N**±.019	**149.63W**±.039	**67**±2.4	**4.5b**		**180**	**0-147**
BJI	II	17 09 33 17.2	61.81N	149.59W	47	5.0b,4.9s			**¶97ii2472**
MOS	II	17 09 33 19.9	61.9N	149.6W	50	5.2b			
EIDC	II	17 09 33 22.6	62.0N	149.6W	58	4.1b			
NEIC	II	17 09 33 23.5	61.81N	149.60W	47	4.7b			
NEIC	M_L5.0(AEIC), M_L4.8(PMR). Felt, After AEIC.								
NEIC	Felt in much of southcentral Alaska including Anchorage, Butte, Palmer and Wasilla.								
ISC	**II**	**20 12 24 44.9**±.45	**61.39N**±.029	**151.86W**±.070	**106**±6.8			**83**	**0-7**
NEIC	II	20 12 24 47.0	61.38N	151.91W	89				**¶97ii2925**
NEIC	After AEIC.								
ISC	**II**	**21 02 32 19.2**±.35	**60.97N**±.033	**146.14W**±.058	**37**±12			**59**	**0-4**
NEIC	II	21 02 32 19.8	61.01N	146.09W	28				**¶97ii3003**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**II**	**21 07 02 40.6**±.46	**61.77N**±.032	**151.24W**±.066	**90**±8.5			**66**	**0-6**
NEIC	II	21 07 02 42.8	61.72N	151.25W	69				**¶97ii3032**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**II**	**22 03 56 12.2**±.95	**60.06N**±.044	**152.6W**±.11	**121**±10			**53**	**0-6**
NEIC	II	22 03 56 14.7	60.08N	152.55W	100				**¶97ii3165**
NEIC	After AEIC.								
ISC	**II**	**22 05 20 21.8**±.33	**61.05N**±.033	**150.91W**±.057	**71**±6.2	3.4b		**63**	**0-42**
EIDC	II	22 05 20 21.8	60.9N	151.0W	54	3.3b,3.8L			**¶97ii3170**
NEIC	II	22 05 20 23.7	61.01N	150.94W	49				
NEIC	M_L3.5(PMR), M_L3.3(AEIC), After AEIC.								
ISC	**II**	**22 06 17 44**±1.2	**59.37N**±.064	**153.0W**±.14	**103**±12			**30**	**0-7**
NEIC	II	22 06 17 47.0	59.41N	152.99W	81				**¶97ii3177**
NEIC	After AEIC.								
ISC	**II**	**22 22 11 16**±1.8	**59.94N**±.078	**153.2W**±.22	**137**±17			**26**	**0-6**
NEIC	II	22 22 11 18.3	59.97N	153.26W	124				**¶97ii3259**
NEIC	After AEIC.								
ISC	**II**	**24 01 54 20.5**±.38	**61.79N**±.031	**149.93W**±.065	**51**±11			**48**	**0-6**
NEIC	II	24 01 54 21.5	61.78N	149.92W	42				**¶97ii3405**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**II**	**25 15 17 53.8**±.26	**61.84N**±.025	**149.99W**±.047	**51**±9.5			**81**	**0-16**
NEIC	II	25 15 17 54.7	61.79N	150.01W	42				**¶97ii3644**
NEIC	M_L3.2(PMR), M_L2.8(AEIC), After AEIC.								
ISC	**II**	**25 15 30 21.9**±.52	**61.63N**±.028	**151.28W**±.055	**7**±5.0			**61**	**0-5**
NEIC	II	25 15 30 21.7	61.62N	151.28W	3				**¶97ii3647**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**II**	**25 23 17 33.8**±.29	**61.80N**±.028	**149.82W**±.047	**46**±11			**71**	**0-5**
NEIC	II	25 23 17 34.7	61.77N	149.81W	39				**¶97ii3705**
NEIC	M_L3.0(PMR), M_L2.9(AEIC), After AEIC.								
ISC	**II**	**26 15 57 10.3**±.32	**61.94N**±.026	**149.40W**±.052	**52**±12			**67**	**0-5**
NEIC	II	26 15 57 11.2	61.92N	149.46W	41				**¶97ii3815**
NEIC	M_L2.9(AEIC), After AEIC.								
ISC	**II**	**26 16 36 31.8**±.34	**61.03N**±.028	**150.19W**±.047	**61**±8.0			**71**	**0-5**
NEIC	II	26 16 36 33.5	61.08N	150.27W	32				**¶97ii3822**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**II**	**26 21 53 41**±1.8	**59.83N**±.083	**153.3W**±.18	**145**±18			**27**	**0-5**
NEIC	II	26 21 53 42.6	59.85N	153.27W	133				**¶97ii3860**
NEIC	After AEIC.								
ISC	**II**	**28 07 46 13.1**±.39	**61.52N**±.026	**151.30W**±.059	**93**±6.6			**89**	**0-17**
NEIC	II	28 07 46 15.1	61.52N	151.41W	73	2.9b			**¶97ii4169**
NEIC	After AEIC.								
ISC	**III**	**01 13 09 38.7**±.46	**60.53N**±.027	**152.09W**±.067	**108**±6.5			**93**	**0-18**
NEIC	III	01 13 09 41.5	60.53N	152.11W	83	2.9b			**¶97iii0111**
NEIC	After AEIC.								
ISC	**III**	**01 15 33 21.9**±.34	**60.06N**±.034	**152.81W**±.076	**118**			**72**	**0-6**
NEIC	III	01 15 33 22.6	60.02N	152.89W	118				**¶97iii0133**
NEIC	After AEIC.								
ISC	**III**	**01 19 20 38.2**±.28	**61.58N**±.025	**150.02W**±.047	**62**±7.4			**87**	**0-17**
NEIC	III	01 19 20 39.5	61.59N	150.10W	44				**¶97iii0172**
NEIC	M_L3.8(PMR), M_L3.7(AEIC). Felt, After AEIC.								
NEIC	Felt at Willow.								
ISC	**III**	**01 22 13 58.4**±.22	**59.61N**±.029	**152.94W**±.054	**115**±2.6	**4.0b**		**133**	**0-149**
NEIC	III	01 22 13 59.9	59.61N	152.97W	109	4.2b			**¶97iii0201**
EIDC	III	01 22 14 01.3	59.9N	153.0W	115	3.6b			
NEIC	After AEIC.								
ISC	**III**	**01 23 17 12.1**±.58	**61.50N**±.028	**152.03W**±.071	**4**±5.1			**56**	**0-4**
NEIC	III	01 23 17 12.4	61.50N	152.04W	9				**¶97iii0212**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**III**	**02 08 29 33.4**±.38	**61.19N**±.025	**148.51W**±.045	**25**±4.6			**73**	**0-5**
NEIC	III	02 08 29 34.2	61.23N	148.52W	29				**¶97iii0266**
NEIC	M_L3.3(PMR), M_L2.9(AEIC), After AEIC.								
ISC	**III**	**03 19 05 47.5**±.89	**59.88N**±.043	**152.33W**±.091	**108**±11			**56**	**0-5**
NEIC	III	03 19 05 49.9	59.92N	152.34W	89				**¶97iii0665**
NEIC	After AEIC.								
ISC	**III**	**05 07 53 09.5**±.75	**60.32N**±.038	**152.1W**±.11	**95**±10			**43**	**0-5**
NEIC	III	05 07 53 11.4	60.34N	152.12W	79				**¶97iii1011**
NEIC	After AEIC.								
ISC	**III**	**06 21 00 12.9**±.73	**59.94N**±.043	**152.77W**±.093	**118**±8.1			**68**	**0-18**
NEIC	III	06 21 00 15.0	59.94N	152.78W	101	2.4b			**¶97iii1351**
NEIC	After AEIC.								
ISC	**III**	**06 22 27 54.8**±.61	**59.17N**±.042	**152.87W**±.080	**91**±7.2			**86**	**0-9**
NEIC	III	06 22 27 56.5	59.23N	152.92W	80				**¶97iii1364**
NEIC	After AEIC.								
ISC	**III**	**08 02 14 00.3**±.56	**60.14N**±.038	**153.1W**±.10	**130**±6.4	3.6b		**60**	**0-31**
NEIC	III	08 02 14 02.3	60.14N	153.02W	117				**¶97iii1640**
EIDC	III	08 02 14 02.7	60.5N	153.6W	145	3.3b			
NEIC	After AEIC.								
ISC	**III**	**08 08 16 47.5**±.45	**61.48N**±.034	**150.82W**±.070	**84**±8.2			**46**	**0-7**
NEIC	III	08 08 16 49.7	61.49N	150.87W	60				**¶97iii1707**
NEIC	M_L3.0(AEIC), M_L3.0(PMR), After AEIC.								
ISC	**III**	**08 11 31 23.6**±.71	**59.65N**±.058	**153.0W**±.12	**116**±7.8	3.2b		**40**	**0-31**
EIDC	III	08 11 30 59.1	58.3N	154.6W	0	3.3b,3.3L			**¶97iii1739**
NEIC	III	08 11 31 25.3	59.66N	153.09W	105				

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	After AEIC.						
ISC	**III 12 05 50 01.8**±.82	**60.10N**±.049	**152.5W**±.12	**113**±10		**38**	**0-8**
NEIC	III 12 05 50 04.0	60.11N	152.49W	97			**¶97iii2484**
NEIC	After AEIC.						
ISC	**III 12 20 41 57**±1.5	**60.03N**±.078	**153.2W**±.21	**144**±16		**23**	**0-6**
NEIC	III 12 20 41 59.9	60.05N	153.20W	128			**¶97iii2583**
NEIC	After AEIC.						
ISC	**III 12 22 12 19.3**±.58	**60.28N**±.034	**152.27W**±.085	**98**±7.8		**67**	**0-6**
NEIC	III 12 22 12 21.7	60.28N	152.25W	76			**¶97iii2595**
NEIC	After AEIC.						
ISC	**III 12 23 27 24.8**±.25	**61.10N**±.027	**150.25W**±.041	**20**		**63**	**0-5**
NEIC	III 12 23 27 25.4	61.13N	150.22W	20			**¶97iii2605**
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**III 13 11 26 28.9**±.97	**59.35N**±.051	**152.6W**±.10	**104**±11		**64**	**0-19**
NEIC	III 13 11 26 30.9	59.39N	152.65W	91			**¶97iii2690**
NEIC	After AEIC.						
ISC	**III 13 16 21 30.9**±.47	**59.34N**±.048	**153.41W**±.094	**127**		**57**	**0-7**
NEIC	III 13 16 21 31.6	59.37N	153.46W	127			**¶97iii2733**
NEIC	After AEIC.						
ISC	**III 15 23 15 22**±1.3	**59.56N**±.077	**152.9W**±.15	**117**±13		**34**	**0-6**
NEIC	III 15 23 15 23.2	59.60N	152.85W	107			**¶97iii3125**
NEIC	After AEIC.						
ISC	**III 16 09 45 35.5**±.32	**61.85N**±.025	**150.58W**±.053	**77**±7.8		**84**	**0-17**
NEIC	III 16 09 45 37.5	61.83N	150.59W	55			**¶97iii3205**
NEIC	M_L3.2(PMR), M_L2.9(AEIC), After AEIC.						
ISC	**III 18 12 34 26**±1.3	**61.68N**±.077	**150.1W**±.15	**52**±19		**14**	**0-4**
NEIC	III 18 12 34 27.4	61.68N	150.16W	38			**¶97iii3534**
NEIC	M_L2.4(AEIC), After AEIC.						
ISC	**III 19 19 29 44.5**±.57	**59.60N**±.039	**152.28W**±.070	**86**±7.8		**78**	**0-7**
NEIC	III 19 19 29 47.3	59.68N	152.33W	57			**¶97iii3757**
NEIC	M_L2.9(AEIC), After AEIC.						
ISC	**III 20 15 04 15**±1.4	**60.96N**±.096	**159.1W**±.24	**0**		**17**	**2-6**
NEIC	III 20 15 04 15.1	60.90N	159.36W	0			**¶97iii3911**
NEIC	M_L3.8(AEIC), M_L3.6(PMR), After AEIC.						
ISC	**III 20 15 55 42.5**±.57	**60.32N**±.036	**153.67W**±.085	**187**±6.3		**93**	**0-7**
NEIC	III 20 15 55 44.7	60.28N	153.61W	177			**¶97iii3914**
NEIC	After AEIC.						
ISC	**III 20 20 34 34.1**±.63	**61.41N**±.043	**150.69W**±.072	**82**±9.5		**40**	**0-7**
NEIC	III 20 20 34 36.3	61.40N	150.75W	57			**¶97iii3949**
NEIC	M_L3.0(AEIC), After AEIC.						
ISC	**III 21 06 20 56.3**±.72	**59.02N**±.051	**152.50W**±.080	**84**±9.0		**81**	**1-7**
NEIC	III 21 06 20 57.7	59.08N	152.52W	76			**¶97iii4014**
NEIC	After AEIC.						
ISC	**III 22 18 36 30.1**±.47	**61.16N**±.033	**151.68W**±.071	**102**±6.8		**65**	**0-6**
NEIC	III 22 18 36 32.4	61.16N	151.77W	82			**¶97iii4301**
NEIC	After AEIC.						
ISC	**III 23 11 22 12.1**±.80	**59.98N**±.042	**153.1W**±.11	**144**±8.1		**77**	**0-7**
NEIC	III 23 11 22 14.1	60.01N	153.18W	131			**¶97iii4435**
NEIC	After AEIC.						
ISC	**III 23 22 19 01.7**±.83	**60.04N**±.043	**153.1W**±.12	**138**±7.9		**74**	**0-18**
NEIC	III 23 22 19 04.7	60.06N	153.02W	118	2.6b		**¶97iii4490**
NEIC	After AEIC.						
ISC	**III 25 11 18 23.2**±.25	**61.45N**±.024	**148.22W**±.046	**39**±12		**79**	**0-5**
NEIC	III 25 11 18 23.6	61.46N	148.21W	33			**¶97iii4714**
NEIC	M_L3.7(PMR), M_L3.6(AEIC). Felt I=III MM, After AEIC.						
NEIC	Felt I=III MM at Eagle River.						
ISC	**III 26 16 04 10.9**±.62	**60.12N**±.036	**153.09W**±.091	**147**±6.6		**84**	**0-18**
NEIC	III 26 16 04 13.7	60.13N	153.04W	130			**¶97iii5026**
NEIC	After AEIC.						
ISC	**III 28 01 58 23.7**±.28	**61.80N**±.024	**150.25W**±.050	**0**		**56**	**0-17**
NEIC	III 28 01 58 23.7	61.79N	150.21W	0			**¶97iii5346**
NEIC	M_L3.5(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**III 29 14 02 00.2**±.24	**61.72N**±.023	**151.04W**±.051	**91**±5.0	**3.4b**	**104**	**0-83**
NEIC	III 29 14 02 02.2	61.71N	151.13W	76	3.1b		**¶97iii5597**
EIDC	III 29 14 02 04.2	62.0N	151.1W	90	3.3b		
NEIC	After AEIC.						
ISC	**III 29 14 26 07.7**±.28	**61.33N**±.026	**149.99W**±.047	**50**±8.7		**76**	**0-5**
NEIC	III 29 14 26 07.9	61.38N	150.12W	43			**¶97iii5602**
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**III 29 18 16 19.2**±.76	**60.34N**±.043	**152.27W**±.087	**116**±8.9		**64**	**0-6**
NEIC	III 29 18 16 22.4	60.41N	152.29W	84			**¶97iii5631**
NEIC	After AEIC.						
ISC	**III 30 20 13 48**±1.3	**59.23N**±.059	**154.0W**±.16	**10**±7.7		**15**	**0-4**
NEIC	III 30 20 13 47.6	59.24N	154.03W	0			**¶97iii5798**
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**IV 01 00 28 37**±3.0	**59.1N**±.10	**153.6W**±.32	**100**±27		**12**	**0-2**
NEIC	IV 01 00 28 38.3	59.16N	153.57W	100			**¶97iv0003**
NEIC	After AEIC.						
ISC	**IV 02 07 16 57**±1.4	**60.05N**±.061	**153.1W**±.15	**145**±13		**49**	**0-5**
NEIC	IV 02 07 17 00.5	60.08N	153.15W	123			**¶97iv0202**
NEIC	After AEIC.						
ISC	**IV 02 22 12 41**±1.1	**61.73N**±.067	**150.5W**±.13	**73**±17		**18**	**0-3**
NEIC	IV 02 22 12 43.3	61.75N	150.45W	53			**¶97iv0332**
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**IV 05 13 31 10.7**±.92	**60.35N**±.069	**152.2W**±.13	**106**±11		**25**	**0-18**
NEIC	IV 05 13 31 13.1	60.33N	152.16W	86	2.2b		**¶97iv0774**
NEIC	After AEIC.						
ISC	**IV 07 15 26 12**±1.6	**59.34N**±.079	**153.6W**±.20	**124**±14		**32**	**0-6**
NEIC	IV 07 15 26 15.1	59.39N	153.50W	101			**¶97iv1181**
NEIC	After AEIC.						
ISC	**IV 08 08 05 41.4**±.85	**59.68N**±.049	**153.5W**±.10	**141**±8.3		**76**	**0-9**
NEIC	IV 08 08 05 44.5	59.75N	153.46W	120			**¶97iv1295**
NEIC	After AEIC.						
ISC	**IV 08 09 44 41.4**±.58	**59.73N**±.062	**153.7W**±.13	**141**±6.7	3.8b	**29**	**0-83**
NEIC	IV 08 09 44 42.4	59.76N	153.70W	142			**¶97iv1308**
EIDC	IV 08 09 44 47.4	60.2N	153.7W	155	3.6b		
NEIC	After AEIC.						
ISC	**IV 08 11 23 13**±1.7	**59.61N**±.088	**152.1W**±.17	**89**±19		**13**	**0-3**
NEIC	IV 08 11 23 15.8	59.69N	152.13W	61			**¶97iv1325**
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**IV 09 07 47 44.6**±.90	**59.96N**±.059	**153.4W**±.16	**146**±7.8	**3.9b**	**39**	**0-43**
EIDC	IV 09 07 47 23.9	58.9N	154.8W	0	3.6$_L$,4.1b		**¶97iv1480**
NEIC	IV 09 07 47 46.7	59.96N	153.29W	134			
NEIC	After AEIC.						
ISC	**IV 10 09 53 24.8**±.81	**60.63N**±.043	**147.31W**±.053	**31**±9.8		**48**	**0-16**
NEIC	IV 10 09 53 25.3	60.69N	147.27W	12	2.3b		**¶97iv1667**
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**IV 11 06 02 17.5**±.98	**60.07N**±.053	**152.8W**±.14	**130**±10		**42**	**0-7**
NEIC	IV 11 06 02 20.1	60.09N	152.79W	111			**¶97iv1814**
NEIC	After AEIC.						
ISC	**IV 11 19 19 06.2**±.42	**60.97N**±.030	**146.13W**±.051	**28**±4.8		**65**	**0-6**
NEIC	IV 11 19 19 07.0	61.01N	146.14W	23			**¶97iv1961**
NEIC	M_L3.1(AEIC), After AEIC.						
ISC	**IV 12 07 16 24.4**±.84	**61.36N**±.059	**150.7W**±.11	**66**±14		**20**	**0-5**
NEIC	IV 12 07 16 24.3	61.35N	150.74W	69			**¶97iv2027**
NEIC	M_L2.9(AEIC), M_L2.9(PMR).						
ISC	**IV 13 21 34 02.9**±.42	**61.91N**±.030	**150.72W**±.066	**81**±8.6		**65**	**0-17**
NEIC	IV 13 21 34 04.5	61.87N	150.77W	64			**¶97iv2304**
NEIC	M_L3.1(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**IV 13 22 23 11.5**±.26	**61.63N**±.026	**149.78W**±.047	**41**±10		**75**	**0-5**
NEIC	IV 13 22 23 11.3	61.67N	149.91W	41			**¶97iv2309**
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**IV 16 08 24 09.4**±.54	**60.06N**±.033	**152.92W**±.078	**131**±5.9	3.1b	**102**	**0-45**
NEIC	IV 16 08 24 12.9	60.10N	153.01W	103			**¶97iv2724**
EIDC	IV 16 08 24 14.9	60.6N	153.2W	144	2.9b		
NEIC	After AEIC.						
ISC	**IV 18 00 48 06.0**±.28	**61.55N**±.035	**150.59W**±.065	**70**±4.1	**3.9b**	**58**	**0-83**
EIDC	IV 18 00 48 05.7	61.5N	150.7W	50	3.8b,3.8$_L$		**¶97iv3002**
NEIC	IV 18 00 48 07.5	61.51N	150.62W	60	3.7b		
NEIC	M_L4.1(PMR), M_L4.0(AEIC). Felt I=II MM, After AEIC.						
NEIC	Felt I=II MM at Anchorage and Palmer. Also felt at Eagle River.						
ISC	**IV 19 14 36 39.3**±.69	**59.81N**±.055	**153.6W**±.11	**145**±6.3	3.5b	**54**	**0-57**
NEIC	IV 19 14 36 41.4	59.83N	153.70W	134	2.9b		**¶97iv3207**
EIDC	IV 19 14 36 44.2	60.3N	153.6W	133	3.3b		
NEIC	After AEIC.						
ISC	**IV 20 05 06 21.5**±.56	**61.44N**±.051	**147.53W**±.081	**55**±12		**26**	**0-15**
NEIC	IV 20 05 06 22.7	61.47N	147.48W	20	3.1b		**¶97iv3272**
NEIC	M_L3.8(PMR), M_L3.3(AEIC), After AEIC.						
ISC	**IV 20 14 43 14**±1.1	**59.92N**±.073	**153.1W**±.15	**120**±13		**22**	**0-7**
NEIC	IV 20 14 43 16.5	59.95N	153.13W	107			**¶97iv3329**
NEIC	After AEIC.						
ISC	**IV 21 01 16 02.5**±.40	**61.57N**±.032	**151.95W**±.071	**4**		**52**	**0-17**
NEIC	IV 21 01 16 02.8	61.54N	152.00W	4			**¶97iv3382**
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**IV 21 02 50 25**±1.1	**61.21N**±.060	**152.3W**±.18	**132**±15		**26**	**0-5**
NEIC	IV 21 02 50 26.6	61.15N	152.15W	119			**¶97iv3393**
NEIC	After AEIC.						
ISC	**IV 21 07 34 12.5**±.25	**61.86N**±.023	**148.87W**±.055	**17**		**57**	**0-6**
NEIC	IV 21 07 34 13.0	61.82N	148.90W	17			**¶97iv3422**
NEIC	M_L3.5(PMR), M_L3.0(AEIC). Felt I=II MM, After AEIC.						
NEIC	Felt I=II MM at Anchorage.						
ISC	**IV 21 15 33 41.5**±.28	**61.57N**±.027	**146.48W**±.060	**45**±9.3	3.4b	**61**	**0-43**
EIDC	IV 21 15 33 28.1	61.5N	149.1W	0	3.6$_L$,3.5b		**¶97iv3521**
NEIC	IV 21 15 33 42.7	61.56N	146.48W	30			
NEIC	M_L4.3(PMR), M_L4.0(AEIC). Felt, After AEIC.						
NEIC	Felt at Anchorage and Valdez.						
ISC	**IV 21 20 17 35.4**±.94	**61.44N**±.035	**152.03W**±.075	**5**±7.6		**49**	**0-4**
NEIC	IV 21 20 17 36.3	61.41N	152.02W	13			**¶97iv3569**
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**IV 22 01 15 34.8**±.20	**61.49N**±.023	**150.41W**±.045	**65**±4.2	**3.7b**	**105**	**0-147**
EIDC	IV 22 01 15 32.2	61.4N	151.1W	41	3.6b,3.7$_L$		**¶97iv3612**
NEIC	IV 22 01 15 36.4	61.49N	150.46W	48			
NEIC	M_L4.2(PMR), M_L4.1(AEIC). Felt, After AEIC.						
NEIC	Felt at Anchorage and Willow.						
ISC	**IV 23 04 12 40.7**±.88	**61.92N**±.035	**149.69W**±.061	**2**±8.1		**43**	**0-5**
NEIC	IV 23 04 12 40.0	61.90N	149.69W	0			**¶97iv3892**
NEIC	M_L2.8(PMR), M_L2.5(AEIC), After AEIC.						
ISC	**IV 25 08 22 03**±1.6	**59.92N**±.083	**153.7W**±.18	**173**±12		**51**	**0-9**
NEIC	IV 25 08 22 06.1	59.99N	153.70W	154			**¶97iv4309**
NEIC	After AEIC.						
ISC	**IV 25 15 01 33.1**±.98	**60.03N**±.061	**152.6W**±.12	**112**±11		**29**	**0-18**
NEIC	IV 25 15 01 35.9	60.06N	152.49W	86			**¶97iv4366**
NEIC	After AEIC.						
ISC	**IV 26 00 06 05.5**±.49	**60.12N**±.051	**153.4W**±.12	**164**±5.7	3.8b	**42**	**0-57**
NEIC	IV 26 00 06 06.2	60.15N	153.71W	165	2.4b		**¶97iv4433**
EIDC	IV 26 00 06 07.8	60.5N	153.8W	146	3.6b		
NEIC	After AEIC.						
ISC	**IV 26 10 19 29.5**±.39	**59.35N**±.034	**152.81W**±.066	**97**±4.9	3.6b	**96**	**0-76**
EIDC	IV 26 10 19 13.0	58.9N	154.6W	0	4.5$_L$,3.7b		**¶97iv4523**
NEIC	IV 26 10 19 31.2	59.37N	152.89W	82	3.6b		
NEIC	After AEIC.						
ISC	**IV 26 17 52 05.8**±.62	**61.59N**±.042	**151.04W**±.088	**79**±11		**32**	**0-4**
NEIC	IV 26 17 52 07.2	61.55N	151.03W	65			**¶97iv4586**
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**IV 26 20 56 30**±1.2	**59.99N**±.069	**152.4W**±.15	**97**±13		**29**	**0-7**
NEIC	IV 26 20 56 32.4	60.02N	152.40W	81			**¶97iv4606**
NEIC	After AEIC.						
ISC	**IV 27 09 59 45.8**±.97	**59.22N**±.056	**153.5W**±.12	**117**±8.9		**58**	**0-6**
NEIC	IV 27 09 59 47.1	59.27N	153.54W	110			**¶97iv4705**
NEIC	After AEIC.						
ISC	**IV 27 23 35 07.5**±.37	**60.32N**±.047	**152.7W**±.11	**111**		**35**	**0-6**
NEIC	IV 27 23 35 08.5	60.27N	152.72W	111			**¶97iv4806**
NEIC	After AEIC.						
ISC	**V 02 02 17 12.0**±.52	**60.41N**±.032	**152.42W**±.078	**127**±6.8		**83**	**0-6**
NEIC	V 02 02 17 14.1	60.39N	152.41W	108			**¶97v0196**
NEIC	After AEIC.						
ISC	**V 02 05 53 57.1**±.70	**59.61N**±.042	**152.72W**±.092	**106**±7.5		**80**	**0-18**
NEIC	V 02 05 53 59.1	59.69N	152.77W	91	2.6b		**¶97v0211**
NEIC	After AEIC.						
ISC	**V 02 09 17 30**±1.1	**60.18N**±.050	**153.2W**±.14	**154**±11		**62**	**0-5**
NEIC	V 02 09 17 30.9	60.19N	153.16W	147			**¶97v0241**
NEIC	After AEIC.						
ISC	**V 02 14 34 49.8**±.36	**59.93N**±.029	**152.08W**±.057	**101**±5.3	3.4b	**101**	**0-31**
EIDC	V 02 14 34 50.4	59.9N	152.0W	59	4.0$_L$,3.3b		**¶97v0283**
NEIC	V 02 14 34 52.5	59.97N	152.11W	78			
NEIC	After AEIC.						
ISC	**V 04 10 16 33.5**±.59	**60.54N**±.033	**152.15W**±.079	**111**±7.7		**74**	**0-8**
NEIC	V 04 10 16 36.0	60.55N	152.20W	84			**¶97v0621**
NEIC	After AEIC.						
ISC	**V 04 19 10 55.3**±.82	**59.43N**±.047	**153.7W**±.11	**143**±8.0		**76**	**0-7**
NEIC	V 04 19 10 58.1	59.45N	153.61W	124			**¶97v0681**
NEIC	After AEIC.						
ISC	**V 06 01 31 22.4**±.17	**61.63N**±.017	**149.78W**±.035	**54**±2.0	**4.8b,4.0s**	**286**	**0-151**
BJI	V 06 01 31 18.6	61.53N	149.46W	43	5.0b		**¶97v0877**
MOS	V 06 01 31 20.2	61.6N	149.9W	33	5.2b		
EIDC	V 06 01 31 23.2	61.6N	149.9W	51	4.4b,3.5s		
NEIC	V 06 01 31 23.7	61.56N	149.72W	31	4.9b		
HRVD	V 06 01 31 28.7±1.0	61.49N±.13	149.71W±.37	15			
NEIC	Mw5.3(HRV), M_L4.9(AEIC). Felt I=V MM, After AEIC.						
NEIC	ML 4.9 (PMR). Felt I=V MM at Big Lake; IV MM at Anchorage, Butte, Palmer, and						

Wasilla; III MM at Cordova.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s7,c8; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−3.21±.50; $M_{\theta\theta}$3.13±.74; $M_{\phi\phi}$0.07±.62; $M_{r\theta}$9.05±2.68; $M_{r\phi}$−2.30±2.71; $M_{\theta\phi}$−0.02±.83. Principal Axes: T 9.74,Plg36°,Azm10°; N 0.23,Plg4°,Azm103°; P −9.97,Plg54°,Azm198°. Best double couple: $M_0$9.9×10^{16}Nm, NP1: ϕ_S80°,δ10°,λ−113°. NP2:ϕ_S283°,δ81°,λ−86°.

ISC	**V**	**06 04 38 16.0**±.83	**59.91N**±.047	**152.7W**±.11	**123**±8.5			**58**	**0-8**
NEIC	V	06 04 38 18.9	59.97N	152.62W	97				**¶97v0903**
NEIC	After AEIC.								
ISC	**V**	**06 22 59 11.5**±.70	**59.19N**±.047	**153.04W**±.086	**108**±8.0			**74**	**0-19**
NEIC	V	06 22 59 13.8	59.20N	153.04W	85				**¶97v1023**
NEIC	After AEIC.								
ISC	**V**	**08 01 34 07.0**±.31	**61.20N**±.028	**149.33W**±.047	**56**±8.4			**74**	**0-4**
NEIC	V	08 01 34 07.9	61.23N	149.42W	47				**¶97v1166**
NEIC	M_L3.0(AEIC), M_L3.0(PMR), After AEIC.								
ISC	**V**	**08 12 31 17.5**±.45	**61.45N**±.025	**146.64W**±.052	**28**±5.7			**72**	**0-6**
NEIC	V	08 12 31 18.0	61.45N	146.66W	9				**¶97v1245**
NEIC	M_L3.1(PMR), M_L2.6(AEIC), After AEIC.								
ISC	**V**	**08 20 12 40.4**±.88	**59.81N**±.049	**153.5W**±.11	**153**±8.9			**68**	**0-9**
NEIC	V	08 20 12 43.3	59.88N	153.47W	131				**¶97v1304**
NEIC	After AEIC.								
ISC	**V**	**09 01 30 41.3**±.92	**61.27N**±.061	**152.6W**±.13	**147**±10			**33**	**0-18**
NEIC	V	09 01 30 42.2	61.24N	152.60W	148		3.4b		**¶97v1339**
NEIC	After AEIC.								
ISC	**V**	**09 12 16 32.9**±.87	**60.37N**±.049	**152.6W**±.12	**128**±9.9			**47**	**0-18**
NEIC	V	09 12 16 33.9	60.39N	152.68W	123				**¶97v1422**
NEIC	After AEIC.								
ISC	**V**	**09 23 46 59.4**±.87	**61.55N**±.060	**151.5W**±.10	**92**±11			**29**	**0-5**
NEIC	V	09 23 47 01.7	61.55N	151.51W	70				**¶97v1501**
NEIC	M_L2.8(AEIC), After AEIC.								
ISC	**V**	**10 21 52 35**±1.8	**59.58N**±.086	**152.9W**±.16	**91**±20			**14**	**0-3**
NEIC	V	10 21 52 35.8	59.61N	152.82W	86				**¶97v1670**
NEIC	After AEIC.								
ISC	**V**	**10 22 09 00.5**±.41	**61.34N**±.033	**150.48W**±.057	**71**±8.3			**57**	**0-7**
NEIC	V	10 22 09 02.1	61.36N	150.55W	50				**¶97v1673**
NEIC	M_L2.8(AEIC), M_L2.8(PMR), After AEIC.								
ISC	**V**	**11 02 51 11.0**±.57	**60.33N**±.048	**147.55W**±.060	**25**±6.4			**40**	**0-6**
NEIC	V	11 02 51 11.6	60.39N	147.55W	8				**¶97v1709**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**V**	**11 07 41 12.1**±.63	**60.43N**±.049	**153.4W**±.13	**167**±5.7		3.9b	**49**	**0-44**
NEIC	V	11 07 41 14.8	60.42N	153.41W	151		3.8b		**¶97v1748**
EIDC	V	11 07 41 14.8	60.6N	153.3W	150		3.7b		
NEIC	After AEIC.								
ISC	**V**	**11 17 18 15.9**±.21	**61.56N**±.023	**149.93W**±.046	**61**±4.8		**3.6b**	**93**	**0-44**
EIDC	V	11 17 18 14.0	61.4N	150.4W	35		3.6b,3.9L		**¶97v1815**
NEIC	V	11 17 18 17.2	61.58N	149.94W	48		3.7b		
NEIC	M_L3.9(AEIC), M_L3.9(PMR). Felt I=IV MM, After AEIC.								
NEIC	Felt I=IV MM at Big Lake, Kashwitna and Willow; III MM at Anchorage, Eagle River, Palmer and Wasilla.								
ISC	**V**	**13 17 27 53.1**±.29	**61.64N**±.032	**144.79W**±.067	**63**±7.1		3.0b	**50**	**1-42**
EIDC	V	13 17 27 50.8	61.7N	144.6W	0		4.1L,3.4b		**¶97v2280**
NEIC	V	13 17 27 55.0	61.60N	144.81W	38				
PGC	V	13 17 27 55.1	61.6N	144.8W	38		3.9L		
NEIC	M_L4.3(PMR), M_L4.0(AEIC). Felt, After AEIC.								
PGC	Chugach Mountains, Alaska. Felt at Copper Center, Cordova and Valdez, Alaska.								
ISC	**V**	**13 23 11 03.9**±.27	**61.23N**±.030	**150.93W**±.050	**67**±2.7		**4.5b**	**186**	**0-151**
BJI	V	13 23 11 00.5	61.58N	151.50W	26		5.0b,5.8s		**¶97v2349**
MOS	V	13 23 11 03.0	61.1N	150.9W	55		5.3b		
NEIC	V	13 23 11 05.3	61.05N	150.77W	59		4.7b		
EIDC	V	13 23 11 05.4	61.2N	150.8W	67		4.2b,3.0s		
NEIC	M_L5.0(AEIC), M_L5.0(PMR). Felt I=IV MM, After AEIC.								
NEIC	Felt I=IV MM at Anchorage, Big Lake, Eagle River, Palmer and Soldotna. Also felt at Butte, Kashwitna and Wasilla.								
ISC	**V**	**15 01 47 14**±2.0	**59.96N**±.073	**153.3W**±.28	**145**±17			**34**	**0-7**
NEIC	V	15 01 47 16.9	59.97N	153.22W	129				**¶97v2538**
NEIC	After AEIC.								
ISC	**V**	**15 18 13 59**±3.1	**60.2N**±.11	**153.1W**±.22	**152**±33			**13**	**0-2**
NEIC	V	15 18 14 02.7	60.23N	152.92W	125				**¶97v2656**
NEIC	After AEIC.								
ISC	**V**	**17 09 40 26.9**±.39	**61.68N**±.036	**149.57W**±.081	**36**±12			**34**	**0-6**
NEIC	V	17 09 40 26.9	61.70N	149.59W	37				**¶97v2909**
NEIC	M_L2.8(AEIC), After AEIC.								
ISC	**V**	**18 19 10 32.6**±.52	**61.52N**±.024	**146.59W**±.050	**32**±6.3			**77**	**0-6**
NEIC	V	18 19 10 33.6	61.50N	146.65W	22				**¶97v3136**
NEIC	M_L3.2(PMR), M_L2.7(AEIC), After AEIC.								
ISC	**V**	**18 21 44 53.8**±.81	**61.52N**±.045	**152.05W**±.093	**7**±7.8			**21**	**0-17**
NEIC	V	18 21 44 54.4	61.50N	152.03W	8				**¶97v3150**
NEIC	M_L3.3(PMR), M_L3.0(AEIC), After AEIC.								
ISC	**V**	**19 11 13 09.9**±.45	**61.75N**±.035	**149.86W**±.085	**48**±11			**35**	**0-6**
NEIC	V	19 11 13 10.5	61.76N	149.96W	42				**¶97v3245**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**V**	**19 21 00 38**±1.3	**59.90N**±.072	**153.3W**±.18	**144**±13			**31**	**0-8**
NEIC	V	19 21 00 41.2	59.93N	153.13W	125				**¶97v3303**
NEIC	After AEIC.								
ISC	**V**	**20 01 06 09**±1.5	**59.44N**±.075	**152.9W**±.16	**131**±14			**48**	**0-5**
NEIC	V	20 01 06 12.5	59.52N	152.95W	107				**¶97v3334**
NEIC	After AEIC.								
ISC	**V**	**20 10 04 36.7**±.67	**59.42N**±.044	**152.38W**±.079	**98**±8.4			**70**	**0-7**
NEIC	V	20 10 04 38.4	59.48N	152.39W	85				**¶97v3384**
NEIC	After AEIC.								
ISC	**V**	**21 19 40 04**±1.3	**61.18N**±.090	**151.9W**±.15	**130**±24			**11**	**1-5**
NEIC	V	21 19 40 06.0	61.23N	151.90W	119				**¶97v3598**
NEIC	After AEIC.								
ISC	**V**	**22 06 27 06.7**±.53	**61.52N**±.035	**150.98W**±.066	**91**±8.5			**63**	**0-7**
NEIC	V	22 06 27 08.4	61.55N	151.07W	70				**¶97v3720**
NEIC	After AEIC.								
ISC	**V**	**23 19 52 35**±1.9	**59.7N**±.12	**152.6W**±.30	**98**±32			**6**	**0-5**
NEIC	V	23 19 52 37.4	59.71N	152.63W	82				**¶97v3996**
NEIC	After AEIC.								
ISC	**V**	**24 14 03 26.3**±.87	**59.61N**±.059	**152.6W**±.11	**107**±11			**26**	**0-9**
NEIC	V	24 14 03 28.7	59.67N	152.60W	87				**¶97v4121**
NEIC	After AEIC.								
ISC	**V**	**25 06 09 15**±1.2	**61.8N**±.12	**150.7W**±.18	**82**±23			**9**	**0-5**
NEIC	V	25 06 09 17.5	61.79N	150.69W	57				**¶97v4227**
NEIC	M_L2.7(AEIC), M_L2.7(PMR), After AEIC.								
ISC	**V**	**27 03 06 24**±1.6	**59.5N**±.15	**152.8W**±.58	**107**			**4**	**0-3**
NEIC	V	27 03 06 25.9	59.60N	153.11W	107				**¶97v4509**
ISC	Poorly determined								
NEIC	After AEIC.								
ISC	**V**	**27 06 47 45**±1.1	**61.9N**±.11	**151.0W**±.18	**62**±55			**7**	**1-4**
NEIC	V	27 06 47 46.8	61.84N	150.92W	55				**¶97v4527**
NEIC	M_L3.1(AEIC), After AEIC.								
ISC	**V**	**27 09 25 54**±1.2	**61.9N**±.10	**150.1W**±.24	**35**			**6**	**1-4**
NEIC	V	27 09 25 58.4	61.58N	149.74W	35				**¶97v4546**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**V**	**28 04 17 42**±1.9	**60.16N**±.095	**153.0W**±.21	**146**±20			**17**	**0-5**
NEIC	V	28 04 17 43.8	60.19N	152.99W	131				**¶97v4653**
NEIC	After AEIC.								
ISC	**V**	**28 15 12 22.5**±.59	**59.80N**±.060	**152.7W**±.12	**103**±6.9		3.3b	**25**	**0-58**
EIDC	V	28 15 12 07.6	59.0N	153.4W	0		3.8L,3.2b		**¶97v4739**
NEIC	V	28 15 12 24.2	59.83N	152.65W	91				
NEIC	After AEIC.								
ISC	**V**	**28 21 31 41.2**±.22	**60.27N**±.029	**152.71W**±.054	**120**±2.1		**4.3b**	**147**	**0-163**
BJI	V	28 21 31 35.4	59.36N	152.46W	114		4.7b		**¶97v4776**
EIDC	V	28 21 31 43.1	60.5N	152.8W	116		3.8b		
NEIC	V	28 21 31 44.1	60.22N	152.65W	97		4.3b		
NEIC	Felt, After AEIC.								
NEIC	Felt at Homer.								
ISC	**V**	**30 04 40 21.5**±.31	**61.07N**±.024	**151.13W**±.050	**90**±5.9			**98**	**0-17**
NEIC	V	30 04 40 23.9	61.08N	151.22W	64				**¶97v4981**
NEIC	M_L3.6(AEIC), M_L3.5(PMR), After AEIC.								
ISC	**V**	**31 01 09 58.2**±.46	**61.66N**±.040	**149.70W**±.080	**44**±12			**34**	**0-5**
NEIC	V	31 01 09 59.2	61.64N	149.66W	37				**¶97v5128**
NEIC	M_L3.5(PMR), M_L3.3(AEIC), After AEIC.								
ISC	**V**	**31 09 48 18.0**±.48	**61.78N**±.034	**151.04W**±.078	**82**±9.8			**47**	**0-4**
NEIC	V	31 09 48 20.0	61.75N	151.00W	60				**¶97v5176**
NEIC	M_L2.9(PMR), M_L2.8(AEIC), After AEIC.								
ISC	**V**	**31 15 16 41.6**±.42	**61.87N**±.036	**151.16W**±.078	**90**±7.9			**47**	**0-18**
EIDC	V	31 15 16 20.4	60.9N	153.2W	0		3.5L		**¶97v5206**
NEIC	V	31 15 16 44.0	61.82N	151.18W	65				
NEIC	M_L3.2(AEIC), M_L3.1(PMR), After AEIC.								
ISC	**V**	**31 18 46 35**±1.2	**59.64N**±.052	**155.0W**±.12	**7**±10			**25**	**0-4**
									¶97v5220
ISC	**VI**	**01 08 54 32**±1.2	**60.01N**±.085	**152.8W**±.17	**117**±12			**17**	**0-18**
NEIC	VI	01 08 54 34.3	60.02N	152.76W	99				**¶97vi0047**
NEIC	After AEIC.								
ISC	**VI**	**01 08 55 27**±1.9	**59.07N**±.086	**153.6W**±.18	**132**±21			**15**	**0-3**
NEIC	VI	01 08 55 29.4	59.15N	153.58W	112				**¶97vi0048**
NEIC	After AEIC.								
ISC	**VI**	**01 18 17 46.5**±.60	**60.34N**±.055	**147.70W**±.083	**23**±8.3			**20**	**0-5**
NEIC	VI	01 18 17 47.0	60.36N	147.70W	9				**¶97vi0119**
NEIC	M_L3.1(PMR), M_L2.8(AEIC), After AEIC.								
ISC	**VI**	**02 01 22 33.3**±.72	**59.90N**±.041	**153.5W**±.10	**153**±7.4			**75**	**0-6**
NEIC	VI	02 01 22 36.2	59.95N	153.49W	135				**¶97vi0158**
NEIC	After AEIC.								
ISC	**VI**	**02 17 31 13**±2.9	**61.4N**±.28	**149.8W**±.43	**69**±36			**5**	**0-4**
NEIC	VI	02 17 31 15.5	61.45N	149.99W	47				**¶97vi0272**
ISC	Poorly determined								
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**VI**	**04 00 55 47**±1.9	**60.4N**±.21	**147.0W**±.23	**20**			**4**	**2-3**
NEIC	VI	04 00 55 50.6	60.59N	147.03W	20				**¶97vi0539**
ISC	Poorly determined								
NEIC	M_L2.9(AEIC), After AEIC.								
ISC	**VI**	**04 05 21 55**±1.2	**61.6N**±.15	**150.9W**±.15	**79**±24			**9**	**0-4**
NEIC	VI	04 05 21 56.4	61.66N	150.86W	69				**¶97vi0560**
NEIC	M_L2.9(PMR), M_L2.8(AEIC), After AEIC.								
ISC	**VI**	**05 11 11 23.9**±.97	**61.9N**±.10	**149.8W**±.18	**51**±33			**8**	**0-4**
NEIC	VI	05 11 11 26.4	61.79N	149.69W	40				**¶97vi0758**
NEIC	M_L3.5(PMR), M_L2.9(AEIC), After AEIC.								
NEIC	**VI**	**06 17 41 01.8**	**59.89N**	**152.25W**	**62**				**0-5**
NEIC	M_L2.6(AEIC), After AEIC.								**¶97vi0965**
ISC	**VI**	**06 20 00 41.1**±.92	**61.4N**±.11	**151.9W**±.15	**5**			**6**	**1-2**
NEIC	VI	06 20 00 41.7	61.52N	152.12W	5				**¶97vi0987**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**VI**	**08 06 31 15**±1.5	**59.94N**±.097	**153.2W**±.38	**132**±15		4.4b	**12**	**2-31**
NEIC	VI	08 06 31 17.1	60.02N	153.36W	129				**¶97vi1187**
EIDC	VI	08 06 31 21.3	60.5N	153.2W	124		4.2b		
NEIC	After AEIC.								
ISC	**VI**	**08 09 29 55**±2.4	**59.3N**±.11	**153.1W**±.23	**111**±21			**27**	**0-5**
NEIC	VI	08 09 29 58.2	59.37N	153.11W	88				**¶97vi1211**
NEIC	After AEIC.								
ISC	**VI**	**08 10 38 30**±4.9	**59.0N**±.24	**153.6W**±.47	**132**±29			**28**	**0-6**
NEIC	VI	08 10 38 33.3	59.14N	153.55W	112				**¶97vi1220**
NEIC	After AEIC.								
ISC	**VI**	**10 08 23 55**±1.4	**60.13N**±.063	**153.6W**±.18	**173**±12			**48**	**0-6**
NEIC	VI	10 08 23 56.7	60.11N	153.61W	164				**¶97vi1497**
NEIC	After AEIC.								
ISC	**VI**	**10 12 34 16.3**±.39	**61.48N**±.028	**151.39W**±.064	**96**±7.8			**72**	**0-7**
NEIC	VI	10 12 34 18.5	61.47N	151.51W	73				**¶97vi1520**
NEIC	After AEIC.								
ISC	**VI**	**12 15 44 06.9**±.77	**60.35N**±.042	**153.4W**±.11	**177**±8.0			**71**	**0-8**
NEIC	VI	12 15 44 09.9	60.38N	153.45W	155				**¶97vi1869**
NEIC	After AEIC.								
ISC	**VI**	**15 15 32 50.5**±.46	**60.44N**±.032	**147.38W**±.051	**26**±5.9			**66**	**0-16**
NEIC	VI	15 15 32 51.2	60.49N	147.37W	10		3.3b		**¶97vi2322**
NEIC	M_L3.3(PMR), M_L3.2(AEIC), After AEIC.								
ISC	**VI**	**16 12 05 53.4**±.47	**60.44N**±.033	**147.38W**±.059	**26**±6.3			**67**	**0-6**
NEIC	VI	16 12 05 54.3	60.49N	147.35W	15				**¶97vi2455**
NEIC	M_L3.5(PMR), M_L3.2(AEIC), After AEIC.								
ISC	**VI**	**16 13 09 46.2**±.51	**60.46N**±.040	**147.39W**±.066	**24**±7.4			**44**	**0-6**
NEIC	VI	16 13 09 47.4	60.49N	147.32W	19				**¶97vi2467**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**VI**	**17 01 19 34.7**±.28	**61.15N**±.030	**147.75W**±.051	**37**±20			**61**	**0-11**
NEIC	VI	17 01 19 35.6	61.18N	147.69W	19				**¶97vi2537**
NEIC	M_L3.0(PMR), M_L2.8(AEIC), After AEIC.								
ISC	**VI**	**19 00 27 50.4**±.66	**60.07N**±.039	**153.14W**±.097	**151**±7.6			**69**	**0-8**
NEIC	VI	19 00 27 54.1	60.09N	153.08W	123				**¶97vi2850**
NEIC	After AEIC.								
ISC	**VI**	**19 11 45 42.0**±.50	**59.07N**±.043	**153.87W**±.086	**110**			**83**	**0-19**
NEIC	VI	19 11 45 42.6	59.00N	154.23W	110		2.9b		**¶97vi2915**
NEIC	After AEIC.								
ISC	**VI**	**22 02 29 13.3**±.41	**59.96N**±.041	**153.2W**±.12	**123**			**42**	**0-8**
NEIC	VI	22 02 29 14.2	59.96N	153.26W	123				**¶97vi3310**
NEIC	After AEIC.								
ISC	**VI**	**22 09 28 53**±1.0	**59.91N**±.054	**153.3W**±.15	**137**±10			**47**	**0-8**
NEIC	VI	22 09 28 54.7	59.95N	153.30W	125				**¶97vi3363**
NEIC	After AEIC.								
ISC	**VI**	**22 12 33 23**±1.1	**59.93N**±.055	**153.5W**±.15	**164**±11			**44**	**0-8**
NEIC	VI	22 12 33 25.6	60.01N	153.46W	146				**¶97vi3386**
NEIC	After AEIC.								

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**23 23 19 56.7**±.62	**61.86N**±.023	**148.49W**±.041	**1**±5.1	3.6b	**91**	**0-75**
EIDC	VI	23 23 19 57.1	62.0N	148.9W	0	4.2L,3.3b		¶97vi3607
NEIC	VI	23 23 19 57.6	61.83N	148.54W	10			
NEIC	M_L4.0(PMR), M_L3.6(AEIC). Felt, After AEIC.							
NEIC	Felt at Palmer and Sutton.							
ISC	**VI**	**24 09 09 05.7**±.91	**60.19N**±.051	**152.3W**±.12	**114**±10		**36**	**0-8**
NEIC	VI	24 09 09 08.5	60.21N	152.26W	90			¶97vi3681
NEIC	After AEIC.							
ISC	**VI**	**24 15 09 46**±1.4	**59.92N**±.063	**153.6W**±.20	**170**±12		**38**	**0-9**
NEIC	VI	24 15 09 49.8	59.96N	153.41W	141			¶97vi3735
NEIC	After AEIC.							
ISC	**VI**	**24 16 20 58.0**±.68	**60.06N**±.046	**153.0W**±.10	**127**±7.9		**50**	**0-18**
NEIC	VI	24 16 21 00.7	60.07N	152.94W	107	3.2b		¶97vi3747
NEIC	After AEIC.							
ISC	**VI**	**25 13 54 17.2**±.82	**59.34N**±.057	**153.3W**±.12	**126**±10		**28**	**0-7**
NEIC	VI	25 13 54 19.4	59.38N	153.37W	111			¶97vi3948
NEIC	After AEIC.							
ISC	**VI**	**26 04 16 22.7**±.25	**61.19N**±.026	**149.61W**±.043	**45**±8.4		**81**	**0-7**
NEIC	VI	26 04 16 23.3	61.21N	149.70W	40			¶97vi4081
NEIC	M_L3.4(AEIC), M_L3.4(PMR). Felt I=II MM, After AEIC.							
NEIC	Felt I=II MM at Anchorage.							
ISC	**VI**	**26 13 42 28.3**±.95	**60.24N**±.058	**152.4W**±.13	**103**±11		**34**	**0-8**
NEIC	VI	26 13 42 29.6	60.21N	152.48W	96			¶97vi4147
NEIC	After AEIC.							
ISC	**VI**	**26 18 11 15.8**±.97	**60.46N**±.052	**152.9W**±.13	**151**±10		**52**	**0-8**
NEIC	VI	26 18 11 18.3	60.43N	152.85W	135			¶97vi4183
NEIC	After AEIC.							
ISC	**VI**	**27 10 01 19.8**±.19	**61.49N**±.022	**149.28W**±.040	**48**±5.3	**3.6b**	**108**	**0-55**
NEIC	VI	27 10 01 20.1	61.51N	149.34W	38			¶97vi4275
EIDC	VI	27 10 01 20.4	61.4N	149.6W	56	3.4b,3.9L		
NEIC	M_L4.0(AEIC), M_L3.9(PMR). Felt I=IV MM, After AEIC.							
NEIC	Felt I=IV MM at Anchorage, Eagle River and Palmer. Also felt at Chugiak and Fort Richardson.							
ISC	**VI**	**27 13 23 52.9**±.52	**61.47N**±.044	**150.00W**±.092	**48**±12		**27**	**0-5**
NEIC	VI	27 13 23 53.7	61.47N	150.03W	40			¶97vi4301
NEIC	M_L2.7(AEIC), M_L2.7(PMR), After AEIC.							
ISC	**VI**	**27 18 48 17.9**±.39	**60.05N**±.048	**152.9W**±.14	**116**		**29**	**0-6**
NEIC	VI	27 18 48 18.8	60.07N	153.02W	116			¶97vi4350
NEIC	After AEIC.							
ISC	**VI**	**28 04 58 00.4**±.74	**59.99N**±.050	**153.5W**±.15	**157**±6.9	3.1b	**43**	**0-32**
NEIC	VI	28 04 58 02.1	59.99N	153.63W	151	3.3b		¶97vi4420
EIDC	VI	28 04 58 02.8	60.3N	153.9W	162	2.7b		
NEIC	After AEIC.							
ISC	**VI**	**28 06 53 56.1**±.86	**59.41N**±.059	**152.7W**±.14	**114**±11		**30**	**0-9**
NEIC	VI	28 06 53 58.2	59.44N	152.81W	100			¶97vi4439
NEIC	After AEIC.							
ISC	**VI**	**28 17 29 53**±1.2	**59.82N**±.060	**153.5W**±.17	**161**±11		**41**	**0-9**
NEIC	VI	28 17 29 56.4	59.90N	153.46W	140			¶97vi4509
NEIC	After AEIC.							
ISC	**VI**	**29 03 09 42.1**±.51	**60.72N**±.047	**147.26W**±.086	**28**±6.3		**25**	**0-5**
NEIC	VI	29 03 09 43.2	60.77N	147.29W	21			¶97vi4560
NEIC	M_L2.6(AEIC), After AEIC.							
ISC	**VI**	**30 07 13 45**±1.2	**60.20N**±.063	**152.5W**±.16	**106**±13		**31**	**0-5**
NEIC	VI	30 07 13 46.7	60.24N	152.44W	94			¶97vi4722
NEIC	After AEIC.							
ISC	**VI**	**30 07 17 20.0**±.63	**61.48N**±.036	**152.10W**±.093	**12**±5.3		**33**	**0-5**
NEIC	VI	30 07 17 20.5	61.42N	151.98W	7			¶97vi4723
NEIC	M_L2.6(AEIC), After AEIC.							

(3) Bering Sea.

ISC	**I**	**06 20 36 05.5**±.78	**55.2N**±.22	**170.7W**±.24	**21**	**3.8b**	**8**	**15-96**
EIDC	I	06 20 36 07.0	55.0N	170.6W	21	3.8b,3.7L		¶97i0829
ISC	**III**	**12 18 29 38.0**±.28	**62.92N**±.054	**170.68W**±.062	**10**	**4.4b,4.3s**	**104**	**3-97**
BJI	III	12 18 29 36.0	62.82N	170.75W	10	4.7b,5.0s		¶97iii2574
EIDC	III	12 18 29 36.8	62.6N	170.6W	0	4.1b,4.1s		
NEIC	III	12 18 29 37.6	62.89N	170.74W	10	4.6b		
MOS	III	12 18 29 38.5	63.0N	170.5W	10	5.0b,4.3s		
NEIC	Felt at Gambell, Alaska.							
EIDC	**V**	**12 15 04 53.8**	**57.8N**	**164.7E**	**0**	**3.5b**		**24-67**
								¶97v1991
ISC	**V**	**30 19 39 34.4**±.69	**62.79N**±.057	**167.4W**±.14	**5**	**3.7b**	**33**	**2-62**
NEIC	V	30 19 39 31.8	62.80N	168.17W	5			¶97v5087
EIDC	V	30 19 39 36.6	63.1N	167.5W	0	3.7b,3.5L		
NEIC	M_L4.6(AEIC), After AEIC.							

(4) Komandorsky Islands region.

KRSC	**I**	**06 23 50 16.7**	**55.47N**	**166.27E**	**13**	**3.6b**		**0-5**
								¶97i0852
ISC	**I**	**14 21 18 42**±1.7	**56.0N**±.17	**164.1E**±.20	**14**		**6**	**1-5**
KRSC	I	14 21 18 42.3	56.10N	164.06E	14	3.3b		¶97i2060
KRSC	**I**	**16 00 45 22.5**	**55.58N**	**164.21E**	**0**	**3.3b**		**1-4**
								¶97i2230
ISC	**I**	**24 15 29 26.2**±.23	**54.58N**±.048	**168.57E**±.048	**34**±2.5*	**4.7b,4.5s**	**184**	**2-143**
BJI	I	24 15 29 24.2	54.84N	168.52E	25	4.8b,5.0s		¶97i3660
KRSC	I	24 15 29 24.3	54.32N	168.74E	56	5.1b		
MOS	I	24 15 29 24.6	54.3N	168.7E	33	5.1b,4.4s		
NEIC	I	24 15 29 26.2	54.61N	168.67E	33	4.9b,4.5s		
EIDC	I	24 15 29 26.3	54.6N	168.6E	23	4.4b,4.3s		
HRVD	I	24 15 29 26.6±.6	54.71N±.08	168.73E±.11	43±8.5			
NEIC	M_W5.2(HRV), M_L5.0(PMR).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c25; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−0.01±.34; $M_{\theta\theta}$−6.18±.58; $M_{\phi\phi}$6.18±.39; $M_{r\theta}$−0.20±.64; $M_{r\phi}$−0.91±1.17; $M_{\theta\phi}$−1.48±.72. Principal Axes: T 6.48,Plg8°,Azm83°; N −0.11,Plg82°,Azm243°; P −6.37,Plg3°,Azm353°. Best double couple: $M_0$6.4×10^{16}Nm, NP1: ϕ_S128°,δ83°,λ177°. NP2:ϕ_S218°,δ87°,λ7°.							
ISC	**I**	**29 08 45 26.1**±.99	**53.9N**±.15	**167.6E**±.16	**40**	**3.6b**	**9**	**2-83**
KRSC	I	29 08 45 21.7	53.70N	168.17E	40	3.8b		¶97i4324
EIDC	I	29 08 45 22.4	53.8N	168.0E	0	3.6b		
NEIC	I	29 08 45 25.8	53.86N	168.01E	33			
NEIC	Poor solution.							
ISC	**I**	**30 15 10 47**±1.6	**56.0N**±.17	**164.2E**±.20	**8**		**6**	**1-4**
KRSC	I	30 15 10 47.7	56.03N	164.14E	8	3.4b		¶97i4501
ISC	**II**	**04 05 53 48**±1.4	**55.29N**±.094	**164.57E**±.098	**28**±13	**3.9b**	**21**	**1-83**
KRSC	II	04 05 53 48.2	55.27N	164.52E	54	4.0b		¶97ii0470
NEIC	II	04 05 53 48.6	55.69N	164.17E	33			
EIDC	II	04 05 53 51.2	55.7N	164.1E	38	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**11 17 09 51**±1.8	**55.9N**±.17	**164.5E**±.18	**11**		**8**	**1-4**
KRSC	II	11 17 09 50.5	55.89N	164.46E	11	3.8b		¶97ii1649
ISC	**II**	**15 13 22 25**±1.5	**55.3N**±.10	**164.4E**±.10	**23**±14	**3.7b**	**17**	**1-83**
EIDC	II	15 13 22 26.2	54.1N	166.7E	0	3.8b		¶97ii2240
KRSC	II	15 13 22 26.5	55.30N	164.35E	40	4.1b		
NEIC	II	15 13 22 28.9	54.53N	166.43E	33	3.2b		
NEIC	Poor solution.							
KRSC	**II**	**19 09 35 38.2**	**54.25N**	**164.50E**	**40**	**3.5b**		**1-4**
								¶97ii2758
KRSC	**II**	**23 03 47 57.2**	**54.92N**	**165.86E**	**13**	**3.9b**		**0-5**
								¶97ii3289
ISC	**II**	**25 12 42 11.9**±.89	**55.4N**±.16	**166.4E**±.16	**33**	**3.4b**	**12**	**0-66**
EIDC	II	25 12 42 13.4	55.1N	168.0E	0	3.5b		¶97ii3623
ISC	**II**	**25 19 40 37**±1.4	**55.6N**±.24	**164.4E**±.19	**9**		**6**	**1-4**
KRSC	II	25 19 40 34.8	56.02N	164.61E	9	3.4b		¶97ii3680
KRSC	**II**	**26 00 35 42.8**	**54.29N**	**164.40E**	**40**	**3.6b**		**1-3**
								¶97ii3717
ISC	**III**	**03 20 01 39**±1.9	**54.9N**±.21	**166.7E**±.21	**1**	2.9b	**5**	**0-39**
KRSC	III	03 20 01 41.8	55.45N	166.43E	1	3.8b		¶97iii0684
ISC	**III**	**15 23 37 21.0**±.73	**55.6N**±.12	**165.1E**±.14	**55**	**3.4b**	**14**	**1-67**
KRSC	III	15 23 37 15.2	55.71N	165.82E	55	3.9b		¶97iii3127
EIDC	III	15 23 37 20.6	55.7N	166.4E	0	3.4b		
KRSC	**III**	**16 00 04 52.1**	**55.66N**	**165.78E**	**60**	**3.9b**		¶97iii3135
EIDC	III	16 00 05 03.2	55.1N	168.7E	0	3.4b		
ISC	**III**	**19 08 11 59**±2.0	**55.86N**±.089	**164.1E**±.12	**17**±16	**3.8b**	**19**	**1-83**
EIDC	III	19 08 11 58.2	55.9N	163.9E	0	3.9b		¶97iii3666
KRSC	III	19 08 11 58.4	55.88N	164.03E	8	4.4b		
NEIC	III	19 08 12 01.3	55.89N	163.92E	33	3.3b		
NEIC	Less reliable solution.							
KRSC	**III**	**25 02 28 41.4**	**55.56N**	**166.30E**	**40**	**4.0b**		¶97iii4661
ISC	**III**	**27 10 05 30**±1.5	**55.0N**±.11	**165.6E**±.17	**46**±16	**4.1b**	**35**	**3-83**
MOS	III	27 10 05 30.4	55.0N	165.6E	47	4.5b		¶97iii5190
KRSC	III	27 10 05 31.4	54.91N	165.30E	32	4.6b		
NEIC	III	27 10 05 32.1	55.23N	165.40E	65	4.1b		
EIDC	III	27 10 05 33.7	55.2N	165.5E	66	3.8b		
EIDC	**III**	**27 10 41 30.0**	**54.7N**	**168.6E**	**0**	**3.3b**		**24-65**
								¶97iii5198
ISC	**III**	**30 06 01 32**±2.3	**53.9N**±.45	**167.6E**±.32	**40**	2.6b	**7**	**4-39**
KRSC	III	30 06 01 34.5	53.98N	167.31E	40	3.7b		¶97iii5707
KRSC	**IV**	**03 12 38 46.0**	**56.05N**	**164.84E**	**22**	**3.7b**		¶97iv0431
ISC	**IV**	**07 17 32 16**±6.3	**53.6N**±.13	**169.8E**±.15	**77**±59	**3.8b**	**22**	**23-83**
NEIC	IV	07 17 32 11.1	53.63N	169.82E	33			¶97iv1198
EIDC	IV	07 17 32 12.8	53.5N	169.9E	31	3.8b		
ISC	**IV**	**15 20 40 13**±1.4	**56.21N**±.051	**164.32E**±.067	**21**±11	**4.3b,4.3s**	**76**	**1-146**
KRSC	IV	15 20 40 12.7	56.16N	164.52E	22	4.7b		¶97iv2645
BJI	IV	15 20 40 13.5	56.45N	164.18E	26	4.4b,4.7s		
NEIC	IV	15 20 40 14.2	56.23N	164.32E	29	4.6b		
MOS	IV	15 20 40 14.5	56.1N	164.4E	33	4.5b,4.3s		
EIDC	IV	15 20 40 16.2	56.3N	164.4E	27	4.0b,4.0s		
KRSC	**V**	**18 18 37 05.4**	**55.89N**	**164.19E**	**0**	**3.8b**		¶97v3132
KRSC	**V**	**29 22 58 35.6**	**53.98N**	**166.66E**	**40**	**3.9b**		¶97v4935

(5) Near Islands.

ISC	**I**	**14 13 42 48**±4.8	**53.1N**±.12	**170.6E**±.11	**4**±31	**4.0b**	**21**	**2-83**
EIDC	I	14 13 42 49.1	53.3N	170.7E	0	3.9b		¶97i1999
NEIC	I	14 13 42 52.4	53.32N	170.62E	33	3.3b		
KRSC	I	14 13 42 54.0	52.83N	170.09E	36	4.4b		
NEIC	Less reliable solution.							
ISC	**II**	**12 05 19 04.0**±.18	**52.07N**±.039	**171.29E**±.037	**41**±1.8*	**5.1b,5.0s**	**334**	**2-152**
BJI	II	12 05 19 02.1	52.27N	171.18E	31	5.4b,5.3s		¶97ii1724
NEIC	II	12 05 19 02.9	52.06N	171.34E	33	5.1b,4.9s		
HRVD	II	12 05 19 03.1±.2	52.21N±.03	171.10E±.05	15			
MOS	II	12 05 19 03.3	52.2N	171.3E	33	5.8b,4.9s		
EIDC	II	12 05 19 04.5	52.1N	171.2E	35	4.7b		
NEIC	M_W5.5(HRV), M_L4.7(PMR)							
NEIC	Felt on Shemya.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c66; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.64±.04; $M_{\theta\theta}$0.54±.06; $M_{\phi\phi}$1.10±.04; $M_{r\theta}$−0.21±.17; $M_{r\phi}$−0.83±.23; $M_{\theta\phi}$−1.03±.05. Principal Axes: T 1.97,Plg9°,Azm55°; N 0.01, Plg21°,Azm149°; P −1.98,Plg67°,Azm303°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S122°,δ40°,λ−123°. NP2:ϕ_S343°,δ57°,λ−65°.							
ISC	**II**	**12 12 28 42**±7.1	**52.2N**±.14	**171.20E**±.095	**15**±43	**4.4b**	**34**	**2-145**
MOS	II	12 12 28 42.9	52.1N	171.2E	33	4.8b		¶97ii1758
NEIC	II	12 12 28 43.9	52.27N	171.16E	33	4.5b		
EIDC	II	12 12 28 45.8	52.2N	171.1E	35	4.0b		
BJI	II	12 12 28 48.2	52.77N	170.92E	50	4.6b		
NEIC	Less reliable solution.							
ISC	**II**	**12 12 50 23.5**±.24	**52.05N**±.052	**171.20E**±.048	**40**±1.6*	**4.9b,4.6s**	**163**	**2-146**
HRVD	II	12 12 50 20.4±.7	52.24N±.16	171.51E±.21	15			¶97ii1759
BJI	II	12 12 50 21.1	52.08N	171.24E	33	5.2b,5.0s		
NEIC	II	12 12 50 22.6	52.05N	171.30E	33	5.0b,4.6s		
MOS	II	12 12 50 22.8	52.2N	171.2E	33	5.4b,4.4s		
EIDC	II	12 12 50 26.1	52.1N	171.2E	48	4.5b,4.3s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c17; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.05±.51; $M_{\theta\theta}$1.63±.63; $M_{\phi\phi}$2.42±.41; $M_{r\theta}$1.18±2.21; $M_{r\phi}$2.44±3.40; $M_{\theta\phi}$−2.49±.75. Principal Axes: T 4.70,Plg8°,Azm233°; N 0.72, Plg26°,Azm328°; P −5.42,Plg62°,Azm127°. Best double couple: $M_0$5.1×10^{16}Nm, NP1: ϕ_S296°,δ43°,λ−130°. NP2:ϕ_S165°,δ58°,λ−59°.							
NEIC	M_W5.1(HRV).							
ISC	**II**	**12 20 19 58**±1.1	**52.5N**±.26	**171.1E**±.27	**35**±1.0*	**3.8b**	**6**	**25-83**
NEIC	II	12 20 19 55.5	52.17N	171.15E	33	3.8b		¶97ii1815
EIDC	II	12 20 19 59.8	52.6N	171.2E	36	3.6b		
NEIC	Poor solution.							
ISC	**II**	**15 08 30 24**±1.6	**52.3N**±.58	**174.0E**±.57	**33**	**3.5b**	**4**	**23-63**
EIDC	II	15 08 30 21.5	52.4N	174.0E	0	3.6b		¶97ii2198
ISC	Poorly determined							
ISC	**II**	**21 03 35 04**±3.6	**53.0N**±.32	**172.0E**±.57	**33**	**4.0b**	**13**	**1-64**
EIDC	II	21 03 34 46.9	51.8N	169.6E	0	3.9b		¶97ii3009
NEIC	II	21 03 34 58.1	52.41N	171.29E	33			
NEIC	Poor solution.							
ISC	**IV**	**03 10 25 16**±4.2	**53.3N**±.40	**174.3E**±.78	**35**±34	**3.7b**	**7**	**1-84**
EIDC	IV	03 10 25 11.7	53.3N	174.2E	0	3.7b		¶97iv0412
NEIC	IV	03 10 25 15.3	53.31N	174.33E	33			
NEIC	Poor solution.							
ISC	**IV**	**21 15 26 12**±2.4	**52.58N**±.058	**172.44E**±.050	**7**±15	**5.0b**,5.2s	**155**	**1-153**
EIDC	IV	21 15 26 13.0	52.7N	172.4E	0	4.8b		¶97iv3519
MOS	IV	21 15 26 15.5	52.5N	172.4E	33	5.5b		
NEIC	IV	21 15 26 16.0	52.60N	172.49E	33	4.9b		
BJI	IV	21 15 26 16.3	52.75N	172.31E	35	5.0b,5.4s		
NEIC	Felt.							

NEIC Felt on Shemya.
ISC IV 28 05 20 03±1.7 **51.98N**±.068 **174.27E**±.058 **19**±11 **4.6b,3.9s 106 1-147**
BJI IV 28 05 20 03.8 52.25N 174.04E 21 4.9b **¶97iv4854**
MOS IV 28 05 20 04.6 52.0N 174.2E 33 5.0b
NEIC IV 28 05 20 04.8 52.02N 174.30E 33 4.7b
EIDC IV 28 05 20 07.6 52.0N 174.2E 43 4.3b,3.7s
ISC IV 28 05 27 50±3.4 **52.0N**±.20 **174.1E**±.18 **36**±27 **3.9b 15 1-80**
EIDC IV 28 05 27 47.2 52.1N 174.1E 0 3.8b **¶97iv4856**
NEIC IV 28 05 27 49.6 52.09N 174.12E 33 4.0b
NEIC M_L4.6(PMR), Less reliable solution.
ISC V 02 17 19 45±8.3 **52.0N**±.22 **171.5E**±.36 **20**±59 **3.7b,**3.7s **10 2-82**
EIDC V 02 17 19 43.6 52.1N 171.6E 0 3.6b,3.7s **¶97v0303**
NEIC V 02 17 19 47.0 51.98N 171.65E 33 3.8b
NEIC Poor solution.
ISC V 13 00 17 33±5.8 **53.0N**±.51 **172.0E**±.91 **33 3.4b 5 1-64**
EIDC V 13 00 17 28.7 53.3N 171.4E 0 3.4b **¶97v2083**
NEIC V 13 00 17 32.1 52.94N 171.91E 33 3.2b
NEIC Poor solution.
ISC V 27 21 57 42.0±.49 **53.05N**±.095 **171.75E**±.091 **33 4.2b,**4.0s **43 1-145**
EIDC V 27 21 57 39.2 53.1N 171.5E 0 4.2b,4.0s **¶97v4614**
NEIC V 27 21 57 41.9 53.06N 171.77E 33 4.4b
NEIC M_L4.4(AEIC).
ISC VI 05 14 38 02±3.4 **53.50N**±.063 **172.04E**±.044 **12**±20 **4.8b,4.2s 142 1-148**
BJI VI 05 14 38 04.7 53.79N 172.00E 30 5.1b,4.8s **¶97vi0789**
MOS VI 05 14 38 04.9 53.4N 172.0E 33 5.2b,4.3s
NEIC VI 05 14 38 05.3 53.50N 172.12E 33 5.1b
EIDC VI 05 14 38 06.7 53.6N 172.1E 28 4.4b,3.7s
ISC VI 12 23 50 42.8±.56 **51.1N**±.10 **173.28E**±.098 **33 4.4b,**3.8s **72 2-120**
EIDC VI 12 23 50 37.8 50.9N 173.3E 0 4.2b,3.5s **¶97vi1906**
BJI VI 12 23 50 40.2 50.94N 173.44E 33 4.5b
NEIC VI 12 23 50 42.1 51.03N 173.37E 33 4.5b
MOS VI 12 23 50 47.7 51.2N 172.3E 60 4.7b
NEIC Less reliable solution.
ISC VI 18 07 34 04±1.4 **51.2N**±.20 **173.5E**±.21 **33 3.6b,**3.5s **10 2-79**
EIDC VI 18 07 33 59.4 50.9N 173.4E 0 3.6b,3.5s **¶97vi2745**
NEIC VI 18 07 34 04.2 51.27N 173.36E 33
NEIC Poor solution.
ISC VI 28 11 38 52±2.8 **52.1N**±.17 **173.3E**±.18 **37**±21 **3.9b 19 1-83**
EIDC VI 28 11 38 48.8 52.1N 173.3E 0 3.8b **¶97vi4471**
NEIC VI 28 11 38 51.6 52.03N 173.37E 33 3.9b
NEIC Less reliable solution.

(6) Rat Islands.

ISC I 13 00 46 34±2.0 **51.1N**±.21 **179.2E**±.15 **46**±18 **3.8b 9 3-84**
EIDC I 13 00 46 29.2 51.1N 179.2E 0 3.8b **¶97i1758**
NEIC I 13 00 46 32.8 51.08N 179.20E 33 3.6b
NEIC Less reliable solution.
ISC I 27 16 18 36±1.6 **51.2N**±.14 **179.3E**±.11 **58**±13 **4.1b 25 3-87**
EIDC I 27 16 18 30.1 51.0N 179.3E 0 4.1b **¶97i4104**
MOS I 27 16 18 32.3 50.9N 179.4E 33 5.1b
NEIC I 27 16 18 33.2 51.09N 179.29E 33 4.5b
NEIC Less reliable solution.
ISC I 27 16 19 20±1.6 **51.2N**±.13 **179.42E**±.098 **53**±13 **4.3b 31 3-150**
EIDC I 27 16 19 15.0 51.2N 179.5E 0 4.3b **¶97i4105**
BJI I 27 16 19 18.0 51.20N 179.50E 33 4.8b
NEIC I 27 16 19 18.0 51.20N 179.49E 33 4.4b
NEIC Less reliable solution.
ISC I 28 16 44 36±1.4 **50.1N**±.26 **178.3E**±.18 **33 3.6b 12 4-122**
NEIC I 28 16 44 35.2 49.99N 178.30E 33 **¶97i4227**
EIDC I 28 16 44 36.9 50.0N 178.3E 32 3.5b
NEIC Less reliable solution.
EIDC I 29 10 43 44.8 50.7N 177.5E 0 3.2b 4-49
¶97i4337
ISC I 29 13 05 44±2.9 **51.7N**±.47 **176.7E**±.27 **33 3.4b 5 2-61**
NEIC I 29 13 05 44.1 51.66N 176.69E 33 **¶97i4355**
EIDC I 29 13 06 05.1 51.9N 177.9W 0 3.2b
NEIC Poor solution.
ISC I 30 08 23 10±2.2 **51.2N**±.12 **179.9E**±.14 **57**±19 **4.2b 32 2-150**
EIDC I 30 08 23 04.0 51.1N 180.0E 0 4.1b **¶97i4449**
ISC I 30 08 32 14±1.3 **51.2N**±.19 **179.8E**±.14 **33 4.2b 30 2-150**
EIDC I 30 08 32 11.9 51.3N 179.9W 0 4.1b **¶97i4451**
NEIC I 30 08 32 13.5 51.15N 179.72E 33 4.1b
NEIC Less reliable solution.
ISC I 30 10 34 01±5.2 **51.2N**±.56 **179.5E**±.54 **33 3.5b 6 2-47**
NEIC I 30 10 34 00.0 51.08N 179.49E 33 3.5b **¶97i4469**
EIDC I 30 10 34 02.9 51.3N 179.4W 0 3.5b
NEIC Poor solution.
ISC I 30 10 37 05±5.1 **51.0N**±.58 **179.4E**±.57 **33 3.4b 5 3-47**
EIDC I 30 10 36 56.9 50.5N 178.8E 0 3.5b **¶97i4470**
NEIC I 30 10 37 04.5 50.91N 179.40E 33 3.4b
NEIC Poor solution.
ISC II 21 08 30 06.4±.94 **51.72N**±.058 **177.62E**±.040 **47**±8.3 **4.8b,4.4s 192 2-149**
BJI II 21 08 30 05.7 51.91N 177.58E 50 4.9b,4.5s **¶97ii3039**
NEIC II 21 08 30 06.4 51.73N 177.63E 49 4.9b,4.4s
MOS II 21 08 30 06.9 51.7N 177.6E 53 5.3b,4.0s
EIDC II 21 08 30 08.9 51.8N 177.6E 62 4.4b
HRVD II 21 08 30 11.0±1.4 51.91N±.15 177.29E±.21 28±8.3
NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s14,c17; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.08±.06; $M_{\theta\theta}$−0.47±.10; $M_{\phi\phi}$0.38±.07; $M_{r\theta}$0.01±.19; $M_{r\phi}$−1.04±.30; $M_{\theta\phi}$−0.35±.11. Principal Axes: T 1.32,Plg39°,Azm79°; N −0.40, Plg26°,Azm192°; P −0.92,Plg39°,Azm306°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S102°,δ26°,λ180°. NP2:ϕ_S192°,δ90°,λ64°.
ISC II 22 13 04 39±2.5 **51.3N**±.33 **177.4E**±.22 **81**±16 **3.7b 12 3-62**
EIDC II 22 13 04 29.2 51.3N 177.1E 0 3.7b **¶97ii3207**
NEIC II 22 13 04 40.1 51.53N 177.55E 82 3.6b
NEIC Poor solution.
ISC II 24 15 29 49±1.9 **51.9N**±.19 **178.9E**±.15 **109**±18 **4.0b 17 3-60**
EIDC II 24 15 29 47.7 51.9N 178.9E 81 3.6b **¶97ii3498**
NEIC II 24 15 29 47.8 51.93N 178.83E 100 3.7b
NEIC Less reliable solution.
EIDC III 08 12 00 49.0 50.9N 178.8E 0 3.1b 23-48
¶97iii1743
ISC III 09 05 27 32±2.2 **51.3N**±.32 **179.7E**±.23 **112**±21 **3.3b 7 2-60**
EIDC III 09 05 27 21.3 51.3N 179.7E 0 3.3b **¶97iii1908**
NEIC III 09 05 27 32.6 51.33N 179.73E 115 3.3b
NEIC Poor solution.
ISC III 14 00 26 40±4.8 **51.2N**±.78 **175.1E**±.62 **33 3.4b 4 5-62**
EIDC III 14 00 26 33.7 51.0N 174.4E 0 3.3b **¶97iii2787**
ISC Poorly determined
ISC III 14 17 40 28±2.2 **51.3N**±.30 **179.8E**±.15 **62**±17 **3.5b 9 2-60**
NEIC III 14 17 40 27.3 51.28N 179.86E 57 **¶97iii2925**
EIDC III 14 17 40 28.6 51.3N 179.8E 53 3.2b
NEIC Less reliable solution.
ISC III 16 02 09 41±4.3 **50.0N**±.13 **179.7E**±.10 **25**±29 **4.1b 33 3-84**
NEIC III 16 02 09 42.3 50.02N 179.70E 33 4.3b **¶97iii3148**
EIDC III 16 02 09 46.6 50.4N 179.9E 33 3.8b
NEIC M_L4.0(PMR), Less reliable solution.
ISC III 21 00 13 00±2.1 **51.1N**±.38 **179.6E**±.15 **33 3.8b 10 2-68**
NEIC III 21 00 12 59.7 50.93N 179.57E 33 3.4b **¶97iii3974**
EIDC III 21 00 13 36.4 52.7N 180.0E 316 3.0b
NEIC Poor solution.
ISC III 21 16 57 33±1.5 **51.29N**±.092 **179.47E**±.060 **70**±13 **4.3b 69 2-85**
BJI III 21 16 57 26.8 51.07N 179.74E 34 4.7b,4.8s **¶97iii4104**
EIDC III 21 16 57 27.2 51.1N 179.5E 13 4.1b,4.2s
MOS III 21 16 57 27.5 50.7N 179.6E 33 5.1b
NEIC III 21 16 57 28.3 51.18N 179.34E 33 4.3b,4.2s
NEIC M_L4.7(PMR).
ISC III 21 17 11 40±1.5 **51.6N**±.13 **179.7E**±.11 **48**±13 **3.9b 21 2-85**
NEIC III 21 17 11 38.1 51.61N 179.69E 33 3.8b **¶97iii4105**
EIDC III 21 17 11 42.9 51.6N 179.7E 57 3.6b
NEIC Less reliable solution.
ISC III 25 02 31 24±1.6 **51.3N**±.14 **179.5E**±.11 **57**±13 **4.1b 26 2-150**
EIDC III 25 02 31 18.1 51.2N 179.4E 0 4.1b **¶97iii4662**
NEIC III 25 02 31 21.2 51.28N 179.38E 33 4.6b
MOS III 25 02 31 21.5 51.1N 179.6E 33 4.6b
NEIC Less reliable solution.
ISC III 26 02 08 57.8±.59 **51.28N**±.028 **179.53E**±.027 **36**±5.2 **6.0b,6.5s 636 2-160**
EIDC III 26 02 08 53.3 51.3N 179.6E 0 5.6b **¶97iii4828**
BJI III 26 02 08 54.6 51.11N 179.78E 33 6.1b,6.6s
NEIC III 26 02 08 57.2 51.28N 179.53E 33 6.0b,6.5s
MOS III 26 02 08 58.6 51.4N 179.6E 41 6.4b,6.8s
HRVD III 26 02 09 03.9±.1 51.23N±.01 179.54E±.01 31±.4
NEIC Mw6.7(HRV), M_L6.3(PMR)
NEIC Radiated energy from the P−wave first−motion solution: 3.2±0.4×10^{13}Nm/28
NEIC Mw 6.6 (GS). Me 6.1 (GS). Felt I=IV MM on Adak. This shallow-dipping thrust earthquake is located very near the eastern end of the rupture zone of the February 4, 1965 magnitude 8.7 (Mw) earthquake, which is also the eastern boundary of the Rat Island block. Mo=2.0×10^{19}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S255°,δ15°,λ90°. NP2:ϕ_S75°,δ75°,λ90°. Principal axes: T Plg60°,Azm345°; P Plg30°,Azm165°. Complex earthquake, with two events occurring about 3 seconds apart. Depth from synthetics of broadband displacement seismogams, based on first event.
NEIC Moment tensor solution: s69, scale 10^{18}Nm; M_{rr}5.47; $M_{\theta\theta}$−4.43; $M_{\phi\phi}$−1.04; $M_{r\theta}$6.06; $M_{r\phi}$3.87; $M_{\theta\phi}$−2.04. Depth 12km; Principal axes: T 9.08,Plg63°,Azm323°; N −0.14,Plg3°, Azm60°; P −8.94,Plg26°,Azm152°. Best double couple: $M_0$9.0×10^{18}Nm; NP1:ϕ_S250°,δ19°, λ101°. NP2:ϕ_S59°,δ72°,λ86°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c134; Mantle waves: s50,c118; Half duration: 5s2. Moment tensor: Scale 10^{18}Nm; M_{rr}7.72±.05; $M_{\theta\theta}$−7.89±.05; $M_{\phi\phi}$0.17±.04; $M_{r\theta}$6.94±.16; $M_{r\phi}$4.20±.13; $M_{\theta\phi}$−2.99±.03. Principal Axes: T 11.2,Plg67°,Azm317°; N 0.9,Plg8°,Azm65°; P −12.1,Plg22°,Azm159°. Best double couple: $M_0$1.2×10^{19}Nm, NP1:ϕ_S263°,δ24°,λ109°. NP2:ϕ_S62°,δ67°,λ82°.
ISC III 26 02 29 25±1.6 **51.8N**±.20 **179.6E**±.11 **44**±13 **4.1b 23 2-150**
EIDC III 26 02 29 20.7 51.9N 179.5E 0 4.0b **¶97iii4830**
NEIC III 26 02 29 23.6 51.78N 179.57E 33 4.1b
NEIC Less reliable solution.
ISC III 26 02 32 42±3.3 **51.35N**±.068 **179.32E**±.080 **17**±22 **4.6b,**5.4s **104 3-150**
EIDC III 26 02 32 39.7 51.3N 179.3E 0 4.5b **¶97iii4831**
BJI III 26 02 32 43.8 51.40N 179.30E 33 5.0b
NEIC III 26 02 32 43.8 51.37N 179.35E 33 4.7b
MOS III 26 02 32 46.4 51.6N 179.6E 33 5.0b
NEIC M_L5.2(PMR).
ISC III 26 02 38 37±1.7 **51.3N**±.17 **179.5E**±.13 **65**±14 **4.3b 16 2-150**
EIDC III 26 02 38 30.2 51.2N 179.4E 0 4.3b **¶97iii4832**
NEIC III 26 02 38 33.8 51.32N 179.32E 33 3.5b
NEIC Less reliable solution.
ISC III 26 02 47 51±1.7 **51.2N**±.15 **179.5E**±.12 **56**±15 **3.8b 17 2-150**
NEIC III 26 02 47 48.3 51.09N 179.53E 33 4.1b **¶97iii4833**
EIDC III 26 02 47 52.0 51.1N 179.5E 53 3.5b
NEIC M_L4.0(PMR), Less reliable solution.
ISC III 26 03 06 51±2.1 **51.8N**±.14 **179.4E**±.13 **76**±19 **3.9b 26 2-85**
NEIC III 26 03 06 46.1 51.76N 179.46E 33 3.9b **¶97iii4834**
EIDC III 26 03 06 56.4 51.8N 179.7E 113 3.6b
NEIC Less reliable solution.
ISC III 26 08 04 43±3.6 **51.0N**±.56 **179.7E**±.18 **33 3.5b 8 2-116**
EIDC III 26 08 04 32.8 50.4N 178.5E 0 3.5b **¶97iii4859**
NEIC III 26 08 04 43.1 50.90N 179.74E 33
NEIC Poor solution.
ISC III 26 08 09 53±2.0 **50.2N**±.41 **178.8E**±.28 **33 3.7b 6 23-70**
EIDC III 26 08 09 50.0 50.3N 178.6E 0 3.5b **¶97iii4861**
EIDC III 26 08 32 48.0 50.7N 175.7E 0 3.4b 2-50
¶97iii4865
ISC III 26 11 21 36±1.9 **51.19N**±.053 **179.44E**±.041 **23**±13 **4.9b,4.8s 194 3-150**
BJI III 26 11 21 36.1 51.27N 179.40E 33 5.0b,5.1s **¶97iii4940**
EIDC III 26 11 21 36.6 51.2N 179.5E 23 4.4b,4.6s
NEIC III 26 11 21 36.9 51.21N 179.46E 33 5.0b,4.8s
MOS III 26 11 21 37.0 51.2N 179.5E 33 5.4b,4.8s
HRVD III 26 11 21 38.3±1.0 51.19N±.09 179.64E±.15 43±7.2
NEIC Mw5.3(HRV), M_L5.2(PMR).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c21; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}7.07±.78; $M_{\theta\theta}$−5.94±.91; $M_{\phi\phi}$−1.13±.90; $M_{r\theta}$1.96±1.32; $M_{r\phi}$5.30±1.50; $M_{\theta\phi}$−3.38±1.12. Principal Axes: T 9.67,Plg64°,Azm272°; N −0.79,Plg20°,Azm50°; P −8.88,Plg16°,Azm146°. Best double couple: $M_0$9.3×10^{16}Nm, NP1: ϕ_S263°,δ34°,λ127°. NP2:ϕ_S40°,δ64°,λ68°.
ISC III 26 21 27 08±1.1 **51.24N**±.061 **179.46E**±.042 **40**±9.3 **4.9b,4.4s 188 2-150**
BJI III 26 21 27 04.8 51.06N 179.64E 33 5.0b,4.6s **¶97iii5081**
HRVD III 26 21 27 06.1±1.0 51.38N±.20 180.00E±.35 15
NEIC III 26 21 27 06.7 51.22N 179.44E 33 4.9b
EIDC III 26 21 27 06.7 51.2N 179.5E 23 4.5b,4.3s
MOS III 26 21 27 07.1 51.3N 179.5E 33 5.3b
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c13; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.58±.78; $M_{\theta\theta}$−1.08±.76; $M_{\phi\phi}$−0.50±1.16; $M_{r\theta}$6.69±1.28; $M_{r\phi}$1.55±1.94; $M_{\theta\phi}$−1.38±1.01. Principal Axes: T 7.08,Plg51°,Azm356°; N 0.12,Plg9°,Azm255°; P −7.20,Plg37°,Azm158°. Best double couple: $M_0$7.1×10^{16}Nm, NP1: ϕ_S205°,δ11°,λ39°. NP2:ϕ_S76°,δ83°,λ99°.
NEIC Mw5.2(HRV), M_L5.2(PMR).
ISC III 26 23 54 06±1.2 **51.19N**±.079 **179.50E**±.054 **46**±10 **4.7b,4.2s 122 2-150**
BJI III 26 23 54 02.6 51.10N 179.64E 33 4.9b **¶97iii5097**
MOS III 26 23 54 03.9 51.0N 179.5E 33 5.0b
NEIC III 26 23 54 04.0 51.14N 179.47E 33 4.8b
EIDC III 26 23 54 05.0 51.2N 179.5E 26 4.3b,4.0s

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		M_L5.2(PMR).						
ISC	**III**	**27 00 16 44**±1.1	**51.23N**±.066	**179.47E**±.047	**48**±9.4	**4.7b,4.3s**	**152**	**2-150**
BJI	III	27 00 16 40.5	51.20N	179.55E	33	4.9b,4.7s		**¶97iii5100**
MOS	III	27 00 16 41.4	51.1N	179.5E	33	5.2b		
NEIC	III	27 00 16 41.9	51.24N	179.45E	33	4.8b		
EIDC	III	27 00 16 46.2	51.3N	179.5E	57	4.2b,4.2s		
NEIC		M_L5.3(PMR).						
EIDC	**III**	**27 01 49 17.4**	**50.3N**	**175.3E**	**0**	**3.3b**		**24-50**
								¶97iii5113
ISC	**III**	**27 02 09 32**±3.3	**51.4N**±.23	**179.6E**±.22	**55**±23	**4.1b**	**19**	**2-68**
EIDC	III	27 02 09 26.0	51.2N	179.4E	0	4.1b		**¶97iii5116**
NEIC	III	27 02 09 29.1	51.23N	179.41E	33	4.2b		
NEIC		M_L4.0(PMR), Less reliable solution.						
ISC	**III**	**27 03 12 23**±2.6	**51.4N**±.27	**179.7E**±.19	**76**±21	**3.9b**	**15**	**2-150**
NEIC	III	27 03 12 17.1	51.21N	179.38E	33	3.7b		**¶97iii5125**
EIDC	III	27 03 12 19.9	51.1N	179.8E	36	3.7b		
NEIC		Poor solution.						
ISC	**III**	**27 03 48 02**±1.9	**51.4N**±.34	**179.5E**±.20	**33**	**3.6b**	**8**	**22-68**
EIDC	III	27 03 47 59.5	51.5N	179.5E	0	3.5b		**¶97iii5132**
NEIC	III	27 03 48 00.6	51.27N	179.37E	33	3.3b		
NEIC		Poor solution.						
ISC	**III**	**27 09 26 25**±2.8	**51.5N**±.49	**179.6E**±.25	**33**	**3.8b**	**6**	**2-47**
EIDC	III	27 09 26 21.2	51.2N	179.8E	0	3.6b		**¶97iii5183**
NEIC	III	27 09 26 24.5	51.34N	179.63E	33	3.8b		
NEIC		Poor solution.						
ISC	**III**	**27 10 23 10**±2.0	**51.3N**±.11	**179.53E**±.098	**56**±16	**4.2b**	**47**	**2-150**
BJI	III	27 10 23 05.1	51.17N	179.75E	35			**¶97iii5195**
NEIC	III	27 10 23 07.3	51.26N	179.48E	33	4.4b		
EIDC	III	27 10 23 08.9	51.3N	179.5E	30	3.9b		
NEIC		M_L4.5(PMR).						
ISC	**III**	**27 10 42 28**±1.1	**51.20N**±.052	**179.39E**±.038	**46**±9.7	**5.0b,5.1s**	**247**	**3-150**
BJI	III	27 10 42 24.9	51.15N	179.55E	35	5.2b,5.2s		**¶97iii5199**
EIDC	III	27 10 42 25.3	51.2N	179.5E	18	4.6b,5.1s		
NEIC	III	27 10 42 26.3	51.23N	179.34E	33	5.0b,5.1s		
MOS	III	27 10 42 27.0	51.2N	179.4E	33	5.4b,5.2s		
HRVD	III	27 10 42 29.3±.4	51.15N±.04	179.63E±.07	19±2.1			
NEIC		Mw5.6(HRV), M_L5.4(PMR).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c52; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}1.87±.06; $M_{\theta\theta}$−1.91±.07; $M_{\phi\phi}$0.04±.08; $M_{r\theta}$1.75±.27; $M_{r\phi}$1.17±.22; $M_{\theta\phi}$−0.77±.08. Principal Axes: T 2.82,Plg65°,Azm313°; N 0.22, Plg9°,Azm63°; P −3.04,Plg23°,Azm157°. Best double couple: $M_0$2.9×10^{17}Nm, NP1:ϕ_S265°, δ24°,λ113°. NP2:ϕ_S60°,δ68°,λ80°.						
ISC	**III**	**27 10 55 08**±2.4	**51.1N**±.17	**179.5E**±.16	**59**±21	**3.8b**	**17**	**2-81**
NEIC	III	27 10 55 05.0	51.04N	179.48E	33	4.2b		**¶97iii5202**
EIDC	III	27 10 55 12.5	51.1N	179.6E	87	3.3b		
NEIC		M_L4.0(PMR), Less reliable solution.						
ISC	**III**	**27 11 07 01**±2.3	**51.2N**±.14	**179.4E**±.12	**58**±19	**4.2b**	**30**	**3-150**
NEIC	III	27 11 06 57.7	51.12N	179.40E	33	4.3b		**¶97iii5203**
EIDC	III	27 11 07 00.3	51.2N	179.5E	38	3.9b		
NEIC		M_L4.4(PMR).						
ISC	**III**	**27 11 16 42**±1.7	**51.17N**±.082	**179.58E**±.060	**63**±15	**4.5b**	**74**	**2-150**
BJI	III	27 11 16 36.5	51.14N	179.73E	32	4.8b		**¶97iii5207**
EIDC	III	27 11 16 37.6	51.1N	179.6E	15	4.2b		
NEIC	III	27 11 16 38.1	51.13N	179.54E	33	4.5b		
MOS	III	27 11 16 38.2	51.0N	179.6E	33	4.8b		
NEIC		M_L4.6(PMR).						
ISC	**III**	**27 11 37 36**±1.1	**50.9N**±.18	**178.7E**±.20	**33**	**4.0b**	**17**	**3-150**
NEIC	III	27 11 37 38.6	51.00N	179.37E	33	4.0b		**¶97iii5211**
EIDC	III	27 11 37 45.4	51.2N	179.6E	69	3.5b		
NEIC		M_L4.0(PMR), Poor solution.						
ISC	**III**	**27 11 43 02**±2.1	**50.9N**±.34	**179.4E**±.22	**33**	**3.9b**	**8**	**3-60**
EIDC	III	27 11 42 59.2	51.0N	179.5E	0	3.5b		**¶97iii5212**
NEIC	III	27 11 43 01.9	50.90N	179.40E	33	4.0b		
NEIC		Poor solution.						
ISC	**III**	**27 12 08 08**±1.9	**51.2N**±.10	**179.58E**±.080	**59**±17	**4.3b,4.2s**	**45**	**2-150**
EIDC	III	27 12 08 01.2	51.1N	179.7E	0	4.2b,4.2s		**¶97iii5220**
BJI	III	27 12 08 02.9	51.05N	179.65E	34	5.0b		
MOS	III	27 12 08 04.6	51.0N	179.5E	33	4.9b		
NEIC	III	27 12 08 04.6	51.16N	179.53E	33	4.5b		
NEIC		M_L4.5(PMR).						
ISC	**III**	**27 12 10 05**±1.9	**51.1N**±.11	**179.57E**±.088	**68**±17	**4.3b**	**42**	**2-150**
BJI	III	27 12 09 59.7	50.99N	179.58E	34	4.8b		**¶97iii5221**
NEIC	III	27 12 10 00.7	51.07N	179.49E	33	4.5b		
EIDC	III	27 12 10 04.2	51.1N	179.5E	45	3.9b,4.2s		
NEIC		M_L4.4(PMR).						
ISC	**III**	**27 12 13 06**±2.5	**51.2N**±.17	**179.6E**±.19	**57**±23	**3.7b**	**13**	**2-81**
EIDC	III	27 12 12 59.7	51.0N	179.7E	0	3.7b		**¶97iii5222**
NEIC	III	27 12 13 03.4	51.16N	179.55E	33	4.3b		
NEIC		Less reliable solution.						
ISC	**III**	**27 12 17 37**±2.3	**51.2N**±.14	**179.6E**±.14	**63**±20	**4.0b**	**23**	**2-150**
EIDC	III	27 12 17 31.2	51.3N	179.7E	0	3.9b		**¶97iii5225**
NEIC	III	27 12 17 33.7	51.22N	179.51E	33	3.9b		
NEIC		M_L4.2(PMR), Less reliable solution.						
EIDC	**III**	**27 12 37 59.4**	**50.8N**	**176.1E**	**0**	**3.3b**		**24-62**
								¶97iii5228
ISC	**III**	**27 12 41 28**±2.2	**51.0N**±.14	**179.7E**±.12	**64**±19	**4.1b**	**26**	**2-150**
EIDC	III	27 12 41 21.5	51.0N	179.5E	0	3.8b,3.9s		**¶97iii5229**
BJI	III	27 12 41 24.2	50.89N	179.58E	34	4.8b		
NEIC	III	27 12 41 24.5	50.94N	179.56E	33	4.3b		
NEIC		M_L4.2(PMR), Less reliable solution.						
ISC	**III**	**27 13 35 44**±3.3	**51.2N**±.27	**179.8E**±.21	**59**±24	**3.8b**	**12**	**2-60**
EIDC	III	27 13 35 37.5	51.1N	179.7E	0	3.7b		**¶97iii5235**
NEIC	III	27 13 35 40.6	51.09N	179.63E	33	4.1b		
NEIC		Poor solution.						
ISC	**III**	**27 13 38 09**±4.1	**51.1N**±.39	**179.5E**±.56	**33**	**3.8b**	**6**	**3-47**
EIDC	III	27 13 37 47.4	50.1N	176.1E	0	3.6b		**¶97iii5237**
ISC	**III**	**27 18 38 16**±1.3	**50.9N**±.22	**179.7E**±.18	**33**	**3.4b**,3.4s	**7**	**3-81**
EIDC	III	27 18 38 12.7	50.8N	179.6E	0	3.5b,3.4s		**¶97iii5284**
NEIC	III	27 18 38 16.2	50.79N	179.52E	33	3.1b		
NEIC		Poor solution.						
ISC	**III**	**28 06 08 16**±1.6	**51.32N**±.079	**179.56E**±.057	**57**±14	**4.5b,4.7s**	**91**	**2-150**
BJI	III	28 06 08 13.1	51.31N	179.55E	34	4.8b,4.8s		**¶97iii5369**
NEIC	III	28 06 08 13.1	51.24N	179.44E	33	4.7b		
MOS	III	28 06 08 13.2	51.1N	179.6E	33	5.2b		
EIDC	III	28 06 08 20.0	51.3N	179.6E	79	4.1b,4.6s		
ISC	**III**	**28 07 14 57**±1.1	**51.2N**±.19	**178.6E**±.22	**33**	**3.7b**	**11**	**3-81**
NEIC	III	28 07 14 58.5	51.10N	178.95E	33	3.8b		**¶97iii5376**
EIDC	III	28 07 15 01.7	51.4N	178.4E	58	3.4b		
NEIC		Poor solution.						
ISC	**III**	**28 16 18 10**±1.8	**51.3N**±.19	**179.6E**±.13	**55**±14	**4.2b**	**21**	**2-68**
BJI	III	28 16 18 07.3	51.36N	179.62E	32	4.8b		**¶97iii5456**
EIDC	III	28 16 18 07.4	51.5N	180.0E	0	4.2b		
NEIC	III	28 16 18 07.7	51.23N	179.62E	33	4.0b		
NEIC		M_L4.3(PMR), Less reliable solution.						
ISC	**IV**	**05 22 08 28**±2.3	**51.6N**±.41	**179.6E**±.19	**40**±18	**3.6b**	**9**	**2-60**
NEIC	IV	05 22 08 27.2	51.52N	179.64E	33			**¶97iv0864**
EIDC	IV	05 22 08 30.5	51.4N	178.6W	0	3.6b		
NEIC		Poor solution.						
ISC	**IV**	**07 10 08 36**±1.3	**51.76N**±.092	**177.81E**±.066	**71**±11	**4.2b**	**58**	**2-149**
BJI	IV	07 10 08 35.0	51.76N	177.92E	73	4.7b		**¶97iv1135**
MOS	IV	07 10 08 35.2	51.6N	177.9E	70	4.9b		
NEIC	IV	07 10 08 36.1	51.74N	177.82E	74	4.3b		
EIDC	IV	07 10 08 36.8	51.7N	177.8E	65	3.9b,3.6s		
ISC	**IV**	**07 20 30 32**±1.5	**51.2N**±.12	**179.26E**±.085	**48**±13	**3.9b**	**36**	**3-150**
EIDC	IV	07 20 30 26.8	51.0N	179.4E	0	4.0b		**¶97iv1218**
BJI	IV	07 20 30 29.9	51.23N	179.13E	38			
NEIC	IV	07 20 30 30.4	51.22N	179.20E	33	4.0b		
NEIC		M_L4.3(PMR), Less reliable solution.						
ISC	**IV**	**15 05 58 42**±1.2	**52.1N**±.15	**178.3E**±.15	**123**±12	**3.6b**	**13**	**3-149**
EIDC	IV	15 05 58 40.5	52.1N	178.2E	93	3.3b		**¶97iv2569**
NEIC	IV	15 05 58 42.3	52.12N	178.29E	125	3.6b		
NEIC		Less reliable solution.						
ISC	**IV**	**17 03 26 34**±1.1	**51.64N**±.073	**179.80E**±.054	**78**±9.5	**4.5b**	**106**	**2-150**
BJI	IV	17 03 26 31.5	51.58N	179.88E	67	4.9b		**¶97iv2848**
MOS	IV	17 03 26 31.8	51.5N	179.7E	57	4.8b		
EIDC	IV	17 03 26 32.5	51.6N	179.9E	51	4.2b		
NEIC	IV	17 03 26 32.7	51.62N	179.73E	68	4.6b		
NEIC		M_L5.0(PMR).						
ISC	**IV**	**18 22 09 33**±1.1	**51.23N**±.066	**178.92E**±.045	**46**±9.9	**4.5b,4.5s**	**116**	**3-150**
EIDC	IV	18 22 09 30.0	51.2N	178.9E	15	4.4b,3.8s		**¶97iv3126**
BJI	IV	18 22 09 30.3	51.23N	178.55E	21	4.8b,4.9s		
NEIC	IV	18 22 09 31.0	51.19N	178.93E	33	4.6b,4.5s		
MOS	IV	18 22 09 31.3	51.2N	179.0E	33	5.0b,4.8s		
NEIC		M_L5.0(PMR).						
ISC	**IV**	**21 07 45 16**±3.1	**51.1N**±.44	**179.0E**±.21	**46**±20	**3.7b**	**7**	**3-60**
EIDC	IV	21 07 44 54.2	50.7N	175.4E	0	3.5b		**¶97iv3424**
NEIC	IV	21 07 45 13.9	50.94N	179.03E	33	3.9b		
NEIC		Poor solution.						
ISC	**V**	**05 21 51 29**±3.5	**51.2N**±.59	**178.7E**±.21	**33**	**3.5b**	**6**	**3-69**
EIDC	V	05 21 51 27.0	51.6N	178.4E	0	3.4b		**¶97v0855**
NEIC	V	05 21 51 27.9	51.00N	178.63E	33	3.4b		
NEIC		Poor solution.						
ISC	**V**	**25 14 49 23**±1.2	**51.95N**±.069	**176.81E**±.071	**77**±11	**4.3b**	**69**	**2-149**
EIDC	V	25 14 49 14.4	51.9N	176.9E	0	4.3b,3.5s		**¶97v4287**
MOS	V	25 14 49 21.6	51.7N	176.9E	72	4.9b		
BJI	V	25 14 49 22.0	51.71N	177.43E	104	4.7b		
NEIC	V	25 14 49 22.9	51.94N	176.80E	76	4.4b		
ISC	**VI**	**03 02 13 10**±3.0	**51.0N**±.46	**177.7E**±.24	**33**	**3.6b**	**8**	**3-66**
EIDC	VI	03 02 13 06.4	51.1N	177.6E	0	3.5b		**¶97vi0372**
NEIC	VI	03 02 13 09.6	50.97N	177.79E	33	4.0b		
NEIC		Poor solution.						
ISC	**VI**	**03 04 21 17**±1.2	**52.2N**±.15	**177.8E**±.16	**117**±12	**3.6b**	**10**	**2-90**
EIDC	VI	03 04 21 03.9	52.0N	177.7E	0	3.7b		**¶97vi0385**
NEIC	VI	03 04 21 15.5	52.21N	177.81E	100			
NEIC		Less reliable solution.						
ISC	**VI**	**03 07 20 52**±4.1	**51.5N**±.45	**178.2E**±.57	**33**	**3.6b**	**6**	**3-60**
EIDC	VI	03 07 20 40.1	51.5N	176.3E	0	3.6b		**¶97vi0398**
NEIC	VI	03 07 20 51.6	51.51N	178.18E	33			
NEIC		Poor solution.						
ISC	**VI**	**08 13 38 16**±2.3	**50.9N**±.38	**180.0E**±.18	**33**	**3.6b**	**6**	**2-59**
EIDC	VI	08 13 38 13.0	50.7N	179.9E	0	3.5b,3.6s		**¶97vi1247**
NEIC	VI	08 13 38 16.2	50.90N	179.97E	33			
NEIC		Poor solution.						
ISC	**VI**	**13 03 57 07**±5.8	**50.9N**±.20	**175.1E**±.18	**26**±39	**3.6b,**3.4s	**11**	**2-79**
EIDC	VI	13 03 57 04.8	51.0N	174.9E	0	3.6b,3.4s		**¶97vi1930**
NEIC	VI	13 03 57 07.8	50.88N	175.08E	33	3.5b		
NEIC		Less reliable solution.						
ISC	**VI**	**14 09 32 57**±2.0	**51.4N**±.27	**179.7E**±.17	**59**±15	**3.9b**	**12**	**2-68**
NEIC	VI	14 09 32 56.7	51.36N	179.69E	62	4.2b		**¶97vi2110**
EIDC	VI	14 09 33 07.0	51.7N	179.6W	108	3.4b		
NEIC		Less reliable solution.						

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ISC	**I**	**01 16 18 53.4**±.98	**52.2N**±.13	**176.1W**±.13	**88**±9.8	**3.8b**	**23**	**0-92**
EIDC	I	01 16 18 43.6	52.0N	176.2W	0	4.0b,4.2L		**¶97i0088**
NEIC	I	01 16 18 53.3	52.16N	176.12W	90	3.7b		
NEIC		Less reliable solution.						
ISC	**I**	**04 04 49 56**±3.9	**51.1N**±.35	**178.1W**±.92	**53**±1.7*	**3.2b**	**5**	**1-58**
EIDC	I	04 04 49 43.9	50.7N	178.9E	52	2.9b		**¶97i0481**
NEIC	I	04 04 49 51.1	50.93N	178.66W	33			
NEIC		Poor solution.						
ISC	**I**	**06 00 53 15**±1.4	**51.6N**±.14	**177.3W**±.18	**59**±12	**4.0b**	**17**	**0-91**
NEIC	I	06 00 53 14.8	51.66N	177.23W	60	4.3b		**¶97i0730**
EIDC	I	06 00 53 22.8	51.6N	177.1W	113	3.7b		
NEIC		Less reliable solution.						
ISC	**I**	**12 00 05 00**±1.7	**51.5N**±.15	**178.2W**±.17	**63**±17	**4.0b**	**36**	**1-89**
NEIC	I	12 00 04 55.9	51.52N	178.60W	33	3.4b		**¶97i1600**
EIDC	I	12 00 05 02.5	51.5N	178.4W	79	3.6b		
NEIC		Less reliable solution.						
ISC	**I**	**15 02 47 03**±1.1	**52.3N**±.13	**174.0W**±.13	**103**±10	**4.1b**	**32**	**2-88**
BJI	I	15 02 47 01.0	52.15N	173.84W	101	4.7b		**¶97i2089**
NEIC	I	15 02 47 02.3	52.32N	173.97W	100	4.0b		
EIDC	I	15 02 47 04.1	52.3N	173.9W	100	3.9b		
ISC	**I**	**19 05 32 14.1**±.83	**51.53N**±.040	**178.21W**±.037	**48**±7.3	**5.2b,5.2s**	**373**	**1-155**
MOS	I	19 05 32 11.8	51.4N	178.3W	33	5.7b,5.3s		**¶97i2789**
NEIC	I	19 05 32 12.1	51.51N	178.22W	33	5.2b,5.1s		
BJI	I	19 05 32 12.5	51.60N	178.49W	32	5.7b,5.3s		
HRVD	I	19 05 32 15.1±.2	51.51N±.02	177.79W±.03	41			
EIDC	I	19 05 32 16.8	51.5N	178.1W	64	4.6b,4.9s		
NEIC		Mw5.7(HRV), M_L5.7(PMR). Felt.						
NEIC		Felt on Adak.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c83; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.05; $M_{\theta\theta}$−2.20±.07; $M_{\phi\phi}$−0.35±.05; $M_{r\theta}$2.07±.11; $M_{r\phi}$1.86±.12; $M_{\theta\phi}$−1.02±.09. Principal Axes: T 3.83,Plg65°,Azm307°; N −0.04, Plg9°,Azm57°; P −3.79,Plg23°,Azm151°. Best double couple: $M_0$3.8×10^{17}Nm, NP1:ϕ_S259°, δ23°,λ114°. NP2:ϕ_S53°,δ69°,λ80°.						
NEIC	**I**	**21 07 18 07.1**	**51.95N**	**176.12W**	**33**			**0-45**
EIDC	I	21 07 17 39.0	51.2N	178.6E	0	3.5b		**¶97i3153**
NEIC		Poor solution.						

ISC	**I**	**22 22 07 28**±1.8	**50.4N**±.21	**176.8W**±.29	**33**	**3.3b**	**8**	**1-60**
EIDC	I	22 22 07 25.1	50.2N	176.8W	0	3.3b		**¶97i3391**
NEIC	I	22 22 07 28.3	50.43N	176.74W	33			
NEIC	Poor solution.							
ISC	**I**	**24 22 10 00.3**±.90	**52.0N**±.24	**172.9W**±.21	**33**	**3.6b**	**7**	**2-121**
NEIC	I	24 22 10 00.0	51.98N	172.86W	33			**¶97i3693**
EIDC	I	24 22 10 00.5	52.0N	173.0W	25	3.5b,3.2L		
NEIC	Less reliable solution.							
ISC	**I**	**25 11 49 51.6**±.78	**52.39N**±.071	**178.63W**±.084	**173**±7.7	**4.4b**	**57**	**1-156**
NEIC	I	25 11 49 51.7	52.39N	178.60W	173	4.6b		**¶97i3807**
EIDC	I	25 11 49 56.0	52.3N	178.5W	200	3.9b		
ISC	**II**	**01 01 20 54.9**±.37	**50.35N**±.067	**176.04W**±.075	**34**±.8*	**4.5b**,4.2s	**88**	**2-153**
BJI	II	01 01 20 52.7	50.21N	176.36W	25	4.7b		**¶97ii0009**
NEIC	II	01 01 20 54.4	50.33N	176.04W	33	4.7b,4.2s		
MOS	II	01 01 20 55.4	50.5N	176.0W	33	5.0b		
EIDC	II	01 01 20 56.0	50.3N	176.0W	36	4.1b		
ISC	**II**	**10 23 24 14.0**±.97	**51.89N**±.083	**176.15W**±.074	**76**±8.6	**4.5b**	**70**	**0-152**
NEIC	II	10 23 24 10.8	51.92N	176.04W	48	4.7b,4.5s		**¶97ii1552**
EIDC	II	10 23 24 12.5	51.9N	176.0W	50	4.2b,4.1s		
BJI	II	10 23 24 46.8	51.90N	176.00E	48	5.2b		
NEIC	$M_{L4.8}$(PMR)							
NEIC	Felt I=IV MM on Adak.							
ISC	**II**	**11 07 04 15**±1.2	**51.6N**±.11	**176.16W**±.085	**56**±10	**4.4b**,4.3s	**47**	**0-152**
BJI	II	11 07 04 10.0	51.60N	176.04W	31	5.1b,4.7s		**¶97ii1597**
EIDC	II	11 07 04 11.3	51.6N	176.2W	19	4.2b		
NEIC	II	11 07 04 11.7	51.49N	176.09W	33	4.3b		
NEIC	$M_{L4.4}$(PMR).							
ISC	**II**	**11 07 13 10**±1.2	**51.5N**±.11	**176.24W**±.087	**55**±11	**4.4b**	**48**	**0-152**
BJI	II	11 07 13 06.5	51.38N	176.36W	35	4.6b		**¶97ii1599**
NEIC	II	11 07 13 07.8	51.44N	176.11W	33	4.4b		
EIDC	II	11 07 13 08.7	51.5N	176.1W	29	4.1b		
NEIC	$M_{L4.9}$(PMR).							
ISC	**II**	**16 05 13 04**±1.2	**50.4N**±.15	**175.9W**±.25	**33**	**3.6b**	**8**	**2-86**
EIDC	II	16 05 13 01.0	50.3N	175.7W	0	3.6b		**¶97ii2341**
NEIC	II	16 05 13 04.0	50.39N	175.84W	33			
NEIC	Less reliable solution.							
ISC	**II**	**17 19 28 58**±2.4	**51.7N**±.20	**177.7W**±.36	**59**±17	**3.8b**	**12**	**1-151**
NEIC	II	17 19 28 54.2	51.77N	178.05W	33	3.2b		**¶97ii2534**
EIDC	II	17 19 28 59.0	51.7N	177.9W	60	3.4b		
NEIC	Less reliable solution.							
ISC	**II**	**20 04 30 06**±2.1	**51.6N**±.16	**177.7W**±.28	**56**±17	**4.1b**	**14**	**1-151**
EIDC	II	20 04 29 59.5	51.4N	177.7W	0	4.0b		**¶97ii2877**
NEIC	II	20 04 30 03.3	51.54N	177.87W	33	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**20 10 48 43**±1.4	**51.0N**±.16	**176.4W**±.30	**33**	**3.7b**	**8**	**1-86**
EIDC	II	20 10 48 39.9	51.1N	177.4W	0	3.8b		**¶97ii2912**
NEIC	II	20 10 48 43.7	51.06N	176.91W	33	4.1b		
NEIC	Poor solution.							
ISC	**II**	**22 10 21 15**±1.7	**51.1N**±.40	**178.9W**±.27	**52**±2.2*	**3.7b**	**8**	**2-131**
NEIC	II	22 10 21 13.1	51.04N	178.89W	33	3.3b		**¶97ii3193**
EIDC	II	22 10 21 17.2	51.0N	179.0W	50	3.4b		
NEIC	Poor solution.							
ISC	**II**	**22 13 28 45**±1.5	**51.7N**±.23	**176.9W**±.26	**62**±11	**3.7b**	**9**	**0-87**
NEIC	II	22 13 28 43.2	51.54N	176.82W	50			**¶97ii3212**
EIDC	II	22 13 28 43.6	51.7N	177.0W	33	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**01 06 45 19**±1.2	**51.52N**±.076	**178.44W**±.057	**62**±10	**4.6b**	**116**	**1-151**
BJI	III	01 06 45 13.9	51.91N	178.94W	11	4.7b,4.9s		**¶97iii0065**
NEIC	III	01 06 45 14.9	51.45N	178.54W	33	4.8b		
MOS	III	01 06 45 15.4	51.4N	178.5W	33	4.8b		
EIDC	III	01 06 45 16.5	51.5N	178.4W	32	4.1b		
NEIC	$M_{L4.9}$(PMR).							
ISC	**III**	**03 06 13 06**±1.3	**53.0N**±.24	**174.7W**±.52	**298**±20	**3.1b**	**8**	**2-56**
EIDC	III	03 06 12 15.0	51.7N	178.8W	0	3.5b		**¶97iii0493**
NEIC	III	03 06 13 05.4	52.96N	174.67W	300	4.4b		
NEIC	Poor solution.							
ISC	**III**	**04 18 50 41**±1.9	**51.8N**±.16	**175.2W**±.18	**57**±16	**3.8b**	**18**	**1-152**
NEIC	III	04 18 50 38.2	51.72N	175.10W	33			**¶97iii0904**
EIDC	III	04 18 50 41.7	51.8N	175.4W	48	3.5b,4.2L		
NEIC	Less reliable solution.							
ISC	**III**	**05 08 09 02**±2.0	**51.7N**±.25	**175.8W**±.19	**54**±17	**3.7b**	**10**	**1-57**
NEIC	III	05 08 08 59.7	51.43N	175.67W	33	3.0b		**¶97iii1015**
EIDC	III	05 08 09 05.0	51.6N	175.5W	67	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**05 23 14 07**±2.1	**52.5N**±.23	**172.8W**±.26	**88**±22	**3.7b**	**10**	**2-89**
NEIC	III	05 23 14 05.8	52.41N	172.73W	78			**¶97iii1146**
EIDC	III	05 23 14 07.3	52.5N	172.9W	79	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**09 04 50 49**±1.0	**51.45N**±.061	**178.05W**±.045	**57**±8.8	**4.8b,4.1s**	**166**	**1-154**
BJI	III	09 04 50 47.1	51.34N	177.81W	60	5.0b,4.5s		**¶97iii1906**
NEIC	III	09 04 50 48.7	51.45N	178.03W	56	4.8b		
MOS	III	09 04 50 48.8	51.5N	178.0W	50	5.0b		
EIDC	III	09 04 50 50.3	51.4N	177.9W	55	4.1b,4.0s		
NEIC	$M_{L4.7}$(PMR)							
NEIC	Felt I=III MM on Adak.							
ISC	**III**	**09 14 53 50**±1.1	**51.8N**±.11	**177.3W**±.10	**62**±9.7	**4.3b**	**41**	**0-151**
BJI	III	09 14 53 49.1	51.69N	177.12W	66	5.1b		**¶97iii1991**
NEIC	III	09 14 53 50.2	51.81N	177.25W	64	4.2b		
EIDC	III	09 14 53 51.9	51.7N	177.1W	65	3.8b		
ISC	**III**	**11 13 19 30**±2.0	**51.6N**±.16	**175.2W**±.13	**47**±17	**3.9b**,3.4s	**24**	**1-122**
NEIC	III	11 13 19 28.5	51.70N	175.09W	33	4.1b		**¶97iii2382**
EIDC	III	11 13 19 31.4	51.8N	175.1W	47	3.7b,3.3s		
NEIC	Less reliable solution.							
ISC	**III**	**13 02 55 29**±1.1	**51.59N**±.097	**176.93W**±.069	**60**±9.0	**4.4b,3.6s**	**60**	**0-152**
NEIC	III	13 02 55 25.5	51.39N	176.91W	33	4.4b		**¶97iii2631**
BJI	III	13 02 55 27.3	51.45N	177.49W	34	4.8b		
EIDC	III	13 02 55 28.3	51.6N	176.8W	40	4.0b,3.5s		
NEIC	$M_{L4.7}$(PMR).							
ISC	**III**	**13 05 48 42**±1.6	**51.4N**±.31	**174.3W**±.32	**150**	**3.2b**	**5**	**2-87**
EIDC	III	13 05 48 26.5	51.8N	175.9W	0	3.5b,3.3L		**¶97iii2651**
NEIC	III	13 05 48 42.2	51.39N	174.35W	150	3.0b		
NEIC	Poor solution.							
NEIC	**III**	**17 19 43 17.7**	**52.17N**	**176.40W**	**33**	4.0b		**0-45**
EIDC	III	17 19 43 44.7	52.6N	170.2W	0	3.6b,3.3L		**¶97iii3426**
NEIC	Poor solution.							
ISC	**III**	**21 20 49 58**±3.6	**50.9N**±.30	**178.8W**±.70	**33**	**3.4b**	**6**	**2-59**
EIDC	III	21 20 49 56.8	51.3N	178.7W	0	3.3b		**¶97iii4132**
NEIC	III	21 20 49 57.3	51.13N	179.16W	33	4.2b		
NEIC	Poor solution.							
ISC	**III**	**25 03 24 25**±3.0	**51.2N**±.41	**178.7W**±.29	**33**	**3.6b**	**6**	**1-66**
EIDC	III	25 03 24 22.0	51.2N	178.8W	0	3.5b,3.6s		**¶97iii4665**
NEIC	III	25 03 24 25.1	51.15N	178.69W	33	4.1b		
NEIC	Poor solution.							
ISC	**III**	**25 22 37 45**±1.2	**51.42N**±.070	**178.02W**±.050	**41**±10	**4.7b,4.1s**	**129**	**1-148**
EIDC	III	25 22 37 40.7	51.5N	178.0W	0	4.3b,4.0s		**¶97iii4805**
BJI	III	25 22 37 42.2	51.73N	178.29W	14	4.8b		
NEIC	III	25 22 37 43.9	51.36N	178.03W	33	4.8b,4.5s		
MOS	III	25 22 37 44.1	51.3N	178.0W	33	5.0b		
NEIC	$M_{L4.7}$(PMR)							
NEIC	Felt I=IV MM on Adak.							
ISC	**III**	**30 04 36 21**±3.6	**52.2N**±.12	**173.7W**±.18	**72**±32	**3.9b**	**36**	**2-122**
BJI	III	30 04 36 12.3	51.95N	173.83W	22	4.6b		**¶97iii5696**
NEIC	III	30 04 36 16.4	52.14N	173.85W	33	4.1b		
EIDC	III	30 04 36 19.7	52.0N	173.3W	46	3.7b,4.5L		
NEIC	Less reliable solution.							
ISC	**III**	**30 23 05 57**±1.6	**51.36N**±.037	**178.10W**±.034	**32**±11	**5.3b,4.9s**	**426**	**1-156**
BJI	III	30 23 05 55.6	51.34N	177.98W	32	5.3b,5.1s		**¶97iii5818**
MOS	III	30 23 05 57.1	51.5N	178.1W	28	5.6b,5.1s		
NEIC	III	30 23 05 57.3	51.37N	178.09W	33	5.4b,4.9s		
HRVD	III	30 23 05 57.8±.5	51.20N±.05	177.75W±.09	47±3.9			
EIDC	III	30 23 05 58.6	51.4N	178.0W	32	4.8b,4.8s		
NEIC	Mw5.5(HRV), $M_{L5.5}$(PMR)							
NEIC	Felt on Adak.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c41; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.04; $M_{\theta\theta}$−1.29±.06; $M_{\phi\phi}$0.69±.06; $M_{r\theta}$1.35±.11; $M_{r\phi}$0.71±.09; $M_{\theta\phi}$0.31±.07. Principal Axes: T 1.83,Plg48°,Azm304°; N 0.17, Plg29°,Azm71°; P −1.99,Plg28°,Azm179°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S317°,δ32°,λ158°. NP2:ϕ_S65°,δ79°,λ60°.							
ISC	**IV**	**02 18 11 52**±2.1	**51.6N**±.15	**172.9W**±.14	**39**±17	**4.0b**	**26**	**2-88**
EIDC	IV	02 18 11 47.8	52.0N	173.0W	0	4.0b,4.4L		**¶97iv0282**
NEIC	IV	02 18 11 50.6	51.85N	172.86W	33	4.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**02 18 25 50.9**±.85	**51.79N**±.039	**173.73W**±.034	**39**±7.4	**5.1b,5.3s**	**349**	**2-153**
BJI	IV	02 18 25 49.0	51.83N	173.77W	33	5.4b,5.4s		**¶97iv0283**
EIDC	IV	02 18 25 49.1	51.9N	173.8W	18	4.8b,5.2L		
MOS	IV	02 18 25 50.1	51.8N	173.8W	33	5.4b,5.3s		
NEIC	IV	02 18 25 50.1	51.82N	173.72W	33	5.1b,5.2s		
HRVD	IV	02 18 25 53.4±.2	51.81N±.02	173.60W±.03	41±1.5			
NEIC	Mw5.7(HRV), $M_{L5.4}$(PMR)							
NEIC	Felt I=IV MM on Atka.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c95; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}2.94±.05; $M_{\theta\theta}$−2.66±.07; $M_{\phi\phi}$−0.28±.07; $M_{r\theta}$1.83±.14; $M_{r\phi}$0.97±.12; $M_{\theta\phi}$−1.50±.08. Principal Axes: T 3.56,Plg73°,Azm329°; N 0.45, Plg1°,Azm64°; P −4.01,Plg17°,Azm154°. Best double couple: $M_0$3.8×10^{17}Nm, NP1:ϕ_S246°, δ28°,λ93°. NP2:ϕ_S63°,δ62°,λ89°.							
ISC	**IV**	**03 15 25 08**±1.2	**52.7N**±.23	**176.9W**±.33	**198**±14	**3.3b**	**8**	**1-87**
NEIC	IV	03 15 25 07.8	52.66N	176.85W	200			**¶97iv0446**
EIDC	IV	03 15 25 11.1	52.7N	176.9W	215	3.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**12 18 13 04**±2.3	**51.7N**±.27	**178.5W**±.24	**55**±22	**3.6b**	**8**	**1-86**
EIDC	IV	12 18 12 58.5	51.7N	178.5W	0	3.5b		**¶97iv2105**
NEIC	IV	12 18 13 01.6	51.76N	178.68W	33			
NEIC	Less reliable solution.							
ISC	**IV**	**13 07 02 46**±1.2	**51.74N**±.085	**175.21W**±.067	**68**±11	**4.1b**	**73**	**1-152**
BJI	IV	13 07 02 39.8	51.61N	175.14W	25	4.7b		**¶97iv2205**
MOS	IV	13 07 02 41.0	51.2N	175.2W	33	4.6b		
NEIC	IV	13 07 02 41.2	51.62N	175.23W	25	4.3b		
EIDC	IV	13 07 02 42.6	51.7N	175.2W	23	4.0b,3.1s		
NEIC	$M_{L4.4}$(PMR).							
ISC	**IV**	**15 13 36 50**±1.3	**51.6N**±.12	**176.4W**±.10	**53**±11	**4.2b**,5.0s	**35**	**0-152**
EIDC	IV	15 13 36 44.2	51.5N	176.3W	0	4.0b		**¶97iv2606**
BJI	IV	15 13 36 45.9	51.49N	176.36W	33	5.0b		
NEIC	IV	15 13 36 47.4	51.48N	176.32W	33	4.3b		
ISC	**IV**	**16 07 27 22**±3.0	**51.7N**±.30	**177.3W**±.50	**33**	**3.5b**	**7**	**0-58**
EIDC	IV	16 07 27 06.4	51.2N	180.0W	0	3.4b		**¶97iv2714**
NEIC	IV	16 07 27 21.9	51.64N	177.26W	33			
NEIC	Poor solution.							
ISC	**IV**	**17 16 36 15**±2.1	**51.9N**±.44	**176.0W**±.27	**33**	3.4b	**5**	**0-44**
NEIC	IV	17 16 36 14.7	51.85N	176.00W	33	2.8b		**¶97iv2934**
EIDC	IV	17 16 37 55.5	55.0N	164.4W	469	2.5b		
NEIC	Poor solution.							
ISC	**IV**	**20 12 18 46**±1.2	**51.7N**±.13	**176.7W**±.14	**63**±9.8	**3.9b**	**25**	**0-148**
NEIC	IV	20 12 18 45.5	51.61N	176.70W	64	4.1b		**¶97iv3308**
EIDC	IV	20 12 18 45.8	51.6N	176.7W	47	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**20 23 02 21**±1.5	**52.0N**±.15	**174.8W**±.11	**37**±14	**4.1b**,3.2s	**31**	**1-148**
NEIC	IV	20 23 02 20.3	51.97N	174.76W	33	4.0b		**¶97iv3371**
EIDC	IV	20 23 02 20.6	51.8N	174.8W	26	4.0b,3.2s		
ISC	**IV**	**22 23 16 03.3**±.79	**51.4N**±.14	**176.7W**±.20	**33**	**3.6b**	**10**	**1-122**
EIDC	IV	22 23 16 00.0	51.4N	176.8W	0	3.4b		**¶97iv3843**
NEIC	IV	22 23 16 03.1	51.34N	176.64W	33	3.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**28 03 59 22**±1.4	**51.9N**±.11	**174.44W**±.093	**61**±13	**4.3b**	**46**	**1-88**
NEIC	IV	28 03 59 20.2	51.84N	174.38W	49	4.7b		**¶97iv4846**
MOS	IV	28 03 59 20.5	51.8N	175.3W	88	4.8b		
EIDC	IV	28 03 59 22.9	52.1N	174.3W	49	4.1b,4.0s		
ISC	**IV**	**30 19 47 27.6**±.47	**51.08N**±.088	**177.24W**±.079	**32**	**4.5b**,3.1s	**95**	**1-152**
EIDC	IV	30 19 47 24.2	51.2N	177.3W	0	4.3b,3.5s		**¶97iv5258**
BJI	IV	30 19 47 26.4	51.03N	177.36W	32	4.9b		
MOS	IV	30 19 47 27.5	51.2N	177.3W	33	4.9b		
NEIC	IV	30 19 47 27.5	51.10N	177.26W	33	4.7b		
ISC	**IV**	**30 21 19 29**±3.6	**51.0N**±.11	**177.31W**±.083	**21**±24	**4.4b**,4.7s	**81**	**1-152**
EIDC	IV	30 21 19 27.6	51.2N	177.4W	0	4.2b		**¶97iv5268**
BJI	IV	30 21 19 29.7	50.82N	177.83W	19	4.8b		
NEIC	IV	30 21 19 30.4	51.00N	177.26W	33	4.6b		
MOS	IV	30 21 19 30.8	51.1N	177.3W	33	4.9b		
ISC	**V**	**01 00 36 29**±3.8	**51.4N**±.39	**179.1W**±.28	**58**±24	**3.6b**	**11**	**2-68**
EIDC	V	01 00 36 22.7	51.3N	179.2W	0	3.6b		**¶97v0002**
NEIC	V	01 00 36 25.0	51.21N	179.31W	33			
NEIC	Poor solution.							
ISC	**V**	**01 00 53 08**±2.8	**51.3N**±.25	**179.1W**±.22	**59**±22	**3.7b**	**13**	**2-71**
EIDC	V	01 00 53 01.7	51.3N	179.2W	0	3.7b		**¶97v0003**
NEIC	V	01 00 53 04.7	51.28N	179.26W	33	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**01 05 45 34**±1.5	**51.3N**±.12	**179.08W**±.098	**55**±12	**4.3b**,4.0s	**52**	**2-151**
EIDC	V	01 05 45 26.6	51.2N	179.2W	0	4.2b,4.0s		**¶97v0042**
MOS	V	01 05 45 30.4	51.0N	179.0W	33	4.8b		
NEIC	V	01 05 45 30.6	51.23N	179.24W	33	4.4b		
NEIC	$M_{L4.2}$(PMR), Less reliable solution.							
ISC	**V**	**01 09 16 22**±2.1	**51.24N**±.067	**179.12W**±.051	**23**±14	**4.7b,4.1s**	**182**	**2-151**
EIDC	V	01 09 16 19.3	51.2N	179.1W	0	4.4b,3.8s		**¶97v0067**
BJI	V	01 09 16 22.0	51.15N	179.65W	18	4.8b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	V	01 09 16 23.1	51.27N	179.11W	33	4.9b		
MOS	V	01 09 16 23.6	51.3N	179.1W	33	5.1b		
NEIC	$M_{L4.9}$(PMR).							
ISC	**V**	**01 09 42 16**±4.7	**51.5N**±.52	**179.8W**±.61	**33**	**3.8b**	**5**	**2-47**
EIDC	V	01 09 41 48.3	50.6N	175.6E	0	3.6b		¶97v0073
NEIC	V	01 09 42 13.6	51.34N	179.95E	33	4.4b		
NEIC	Poor solution.							
ISC	**V**	**01 09 47 49**±2.2	**51.2N**±.14	**179.2W**±.15	**50**±20	**3.9b**	**21**	**2-85**
EIDC	V	01 09 47 43.6	51.2N	179.1W	0	3.8b		¶97v0077
MOS	V	01 09 47 47.1	51.1N	179.3W	33	4.9b		
NEIC	V	01 09 47 47.1	51.22N	179.27W	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**01 19 30 56**±1.3	**52.0N**±.35	**175.5W**±.24	**33**	**3.2b**	**5**	**1-57**
NEIC	V	01 19 30 55.9	51.98N	175.43W	33			¶97v0143
EIDC	V	01 19 30 57.8	51.8N	174.3W	0	3.1b,3.3L		
NEIC	Poor solution.							
ISC	**V**	**02 15 22 16**±2.3	**51.0N**±.21	**177.5W**±.44	**39**±4.5*	**3.6b**	**8**	**1-59**
NEIC	V	02 15 22 14.7	50.94N	177.55W	33			¶97v0289
EIDC	V	02 15 22 18.7	51.0N	177.3W	38	3.3b		
NEIC	Poor solution.							
ISC	**V**	**07 15 21 01**±1.8	**52.1N**±.29	**177.5W**±.35	**92**±16	**3.6b**	**9**	**1-151**
NEIC	V	07 15 21 00.2	52.18N	177.65W	84			¶97v1116
EIDC	V	07 15 21 00.9	52.1N	177.7W	78	3.4b		
NEIC	Less reliable solution.							
ISC	**V**	**09 10 25 43.2**±.41	**51.65N**±.077	**173.36W**±.067	**33**	**4.6b**,4.9s	**112**	**2-149**
BJI	V	09 10 25 39.5	52.12N	173.68W	13	4.4b		¶97v1407
MOS	V	09 10 25 41.2	51.4N	173.5W	33	5.1b		
NEIC	V	09 10 25 42.6	51.59N	173.37W	33	4.9b,5.0s		
EIDC	V	09 10 25 45.4	51.7N	173.3W	38	4.1b,5.3L		
ISC	**V**	**10 13 33 11**±1.4	**51.9N**±.35	**175.1W**±.23	**33**	**3.5b**	**5**	**1-56**
EIDC	V	10 13 33 04.4	51.8N	175.6W	0	3.5b,4.0L		¶97v1608
NEIC	V	10 13 33 11.2	52.13N	175.18W	33	3.4b		
NEIC	Poor solution.							
ISC	**V**	**11 21 46 23**±1.8	**51.87N**±.093	**179.02W**±.084	**37**±15	**4.4b**	**61**	**1-151**
BJI	V	11 21 46 20.7	51.90N	179.20W	33	4.5b		¶97v1848
NEIC	V	11 21 46 21.7	51.90N	179.24W	33	4.5b		
EIDC	V	11 21 46 27.2	52.1N	179.0W	57	4.0b		
NEIC	$M_{L4.7}$(PMR).							
ISC	**V**	**14 16 33 03**±1.2	**50.0N**±.19	**178.3W**±.25	**33**	**3.4b**	**8**	**2-85**
EIDC	V	14 16 32 59.4	50.0N	178.4W	0	3.4b		¶97v2484
NEIC	V	14 16 33 02.6	50.03N	178.33W	33			
NEIC	Less reliable solution.							
ISC	**V**	**14 18 02 26.0**±.92	**50.3N**±.15	**176.2W**±.19	**33**	**3.3b**	**8**	**2-86**
EIDC	V	14 18 02 21.9	49.7N	175.9W	0	3.3b		¶97v2495
NEIC	V	14 18 02 25.8	50.28N	176.16W	33			
NEIC	Less reliable solution.							
ISC	**V**	**15 12 28 05**±1.7	**52.1N**±.23	**174.1W**±.22	**99**±16	**3.9b**	**12**	**2-74**
EIDC	V	15 12 27 54.4	51.9N	174.1W	0	3.9b,3.4s		¶97v2615
NEIC	V	15 12 28 04.6	52.14N	174.04W	98	4.7b		
NEIC	Less reliable solution.							
ISC	**V**	**18 00 56 26**±1.3	**51.4N**±.15	**176.4W**±.25	**33**	**3.7b**	**11**	**1-152**
EIDC	V	18 00 56 21.9	51.5N	177.0W	0	3.7b		¶97v3005
NEIC	V	18 00 56 25.8	51.37N	176.37W	33			
NEIC	Less reliable solution.							
ISC	**V**	**21 07 54 28**±3.7	**51.7N**±.29	**173.4W**±.33	**52**±38	**3.8b**	**10**	**2-88**
EIDC	V	21 07 54 22.2	51.5N	173.4W	0	3.7b,4.2L		¶97v3530
NEIC	V	21 07 54 25.9	51.56N	173.28W	33	4.1b		
NEIC	Less reliable solution.							
ISC	**V**	**23 02 19 21**±1.2	**51.0N**±.15	**176.7W**±.16	**33**	**3.7b**	**15**	**1-152**
NEIC	V	23 02 19 18.7	50.89N	176.94W	33	3.8b		¶97v3867
EIDC	V	23 02 19 19.7	51.7N	176.7W	0	3.7b		
NEIC	Poor solution.							
ISC	**V**	**23 06 02 26**±2.7	**51.3N**±.30	**176.7W**±.20	**57**±16	**4.0b**,3.4s	**14**	**1-72**
EIDC	V	23 06 02 21.0	51.7N	176.7W	0	3.9b,3.6s		¶97v3898
NEIC	V	23 06 02 22.5	51.08N	176.67W	33	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**23 07 13 06**±1.0	**51.47N**±.066	**176.62W**±.045	**55**±8.4	**4.8b,4.1s**	**163**	**0-152**
MOS	V	23 07 13 02.9	51.2N	176.4W	33	5.0b,4.3s		¶97v3907
BJI	V	23 07 13 04.1	51.41N	177.01W	30	5.3b,4.5s		
NEIC	V	23 07 13 04.6	51.40N	176.63W	44	4.8b,4.1s		
EIDC	V	23 07 13 05.9	51.3N	176.5W	42	4.3b,3.9s		
NEIC	$M_{L4.7}$(PMR)							
NEIC	Felt I=IV MM on Adak.							
ISC	**V**	**25 17 16 21**±1.1	**52.0N**±.26	**176.3W**±.43	**68**±21	**4.0b**	**10**	**0-81**
EIDC	V	25 17 16 10.1	51.6N	177.0W	0	3.9b		¶97v4302
NEIC	V	25 17 16 21.0	51.98N	176.33W	72	4.3b		
NEIC	Poor solution.							
ISC	**V**	**25 22 48 47**±1.7	**51.5N**±.39	**178.9W**±.24	**33**	**3.4b**	**7**	**1-151**
EIDC	V	25 22 48 43.7	51.4N	179.1W	0	3.4b		¶97v4329
ISC	**V**	**27 02 43 43**±1.2	**52.6N**±.32	**173.3W**±.29	**100**	**3.1b**	**5**	**2-55**
EIDC	V	27 02 43 25.8	52.0N	174.4W	0	3.2b,3.8L		¶97v4504
NEIC	V	27 02 43 42.5	52.58N	173.30W	100			
NEIC	Poor solution.							
ISC	**V**	**28 08 47 19**±2.2	**51.3N**±.19	**176.5W**±.13	**58**±16	**4.0b**	**19**	**1-74**
EIDC	V	28 08 47 13.1	51.2N	176.4W	0	4.1b		¶97v4685
NEIC	V	28 08 47 15.6	51.08N	176.46W	33	4.0b		
BJI	V	28 08 47 20.1	51.97N	176.40W	48	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**28 11 44 47**±1.2	**52.0N**±.22	**176.3W**±.50	**41**±26	**3.5b**	**10**	**0-57**
EIDC	V	28 11 44 43.4	52.0N	176.1W	0	3.5b,4.0L		¶97v4709
NEIC	V	28 11 44 46.3	52.01N	176.10W	33	3.9b		
NEIC	Poor solution.							
ISC	**V**	**30 02 11 41**±1.6	**53.0N**±.42	**174.3W**±.62	**188**±22	**3.3b**	**5**	**2-89**
EIDC	V	30 02 11 21.3	52.2N	174.2W	0	3.5b,4.0L		¶97v4963
NEIC	V	30 02 11 41.7	53.03N	174.43W	200			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**V**	**30 23 35 57**±1.8	**51.8N**±.35	**179.1W**±.16	**57**±16	**3.6b**	**12**	**2-151**
EIDC	V	30 23 35 48.3	51.5N	179.8W	0	3.7b		¶97v5116
NEIC	V	30 23 35 56.2	52.07N	179.04W	33			
NEIC	Poor solution.							
ISC	**VI**	**08 13 00 58**±2.8	**51.2N**±.44	**178.5W**±.39	**33**	**3.5b**	**6**	**21-66**
EIDC	VI	08 13 00 54.3	51.1N	178.8W	0	3.5b		¶97vi1240
ISC	**VI**	**08 13 58 37**±2.1	**52.0N**±.32	**174.6W**±.30	**66**±23	**3.7b**	**9**	**1-88**
EIDC	VI	08 13 58 29.6	51.8N	174.9W	0	3.8b,4.4L		¶97vi1249
NEIC	VI	08 13 58 33.8	51.63N	174.36W	33			
NEIC	Poor solution.							
ISC	**VI**	**10 08 20 24**±1.6	**51.8N**±.26	**175.9W**±.23	**59**±15	**3.7b**	**12**	**0-152**
NEIC	VI	10 08 20 20.7	51.53N	175.70W	33	3.5b		¶97vi1495
EIDC	VI	10 08 20 24.0	51.7N	176.0W	51	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**11 05 58 54**±2.0	**51.6N**±.40	**179.1W**±.17	**33**	**3.4b**	**6**	**2-59**
EIDC	VI	11 05 58 28.4	51.3N	176.0E	0	3.4b		¶97vi1625
NEIC	VI	11 05 58 53.3	51.52N	179.13W	33	3.5b		
NEIC	Poor solution.							
ISC	**VI**	**14 07 20 01**±3.4	**51.4N**±.30	**179.9W**±.51	**33**	**3.6b**	**7**	**2-59**
EIDC	VI	14 07 19 59.3	51.6N	179.8W	0	3.6b		¶97vi2098
NEIC	VI	14 07 20 00.7	51.33N	179.99W	33	4.0b		
NEIC	Poor solution.							
ISC	**VI**	**15 11 46 42**±1.1	**52.7N**±.32	**173.4W**±.31	**100**	**3.3b**	**5**	**2-55**
EIDC	VI	15 11 46 11.7	51.9N	177.4W	0	3.3b		¶97vi2287
NEIC	VI	15 11 46 41.4	52.66N	173.37W	100			
NEIC	Poor solution.							
ISC	**VI**	**17 21 03 40.5**±.11	**51.31N**±.024	**179.31W**±.025	**33**	**6.2b,6.2s**	**819**	**2-160**
EIDC	VI	17 21 03 36.2	51.3N	179.2W	0	6.1b,6.1s		¶97vi2690
BJI	VI	17 21 03 39.4	51.34N	179.30W	33	6.1b,6.4s		
NEIC	VI	17 21 03 40.2	51.35N	179.33W	33	6.4b,6.3s		
MOS	VI	17 21 03 40.5	51.4N	179.3W	33	6.6b,6.2s		
HRVD	VI	17 21 03 44.7±.1	51.31N±.01	179.20W±.01	28			
NEIC	M_L6.6(PMR), Mw6.4(HRV)							
NEIC	Radiated energy from the P−wave first−motion solution: 2.2±0.4×10^{13}Nm/22							
NEIC	Mw 6.3 (GS), 6.3 (CSEM). Me 6.0 (GS). Felt I=IV MM on Adak. Also felt on Amchitka. Mo=3.1×10^{18}Nm (PPT).							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S177°,δ73°,λ−90°. NP2:ϕ_S357°,δ17°,λ−90°. Principal axes: T Plg28°,Azm267°; P Plg62°,Azm87°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s60, scale 10^{18}Nm; M_{rr}−1.18; $M_{\theta\theta}$−0.01; $M_{\phi\phi}$1.19; $M_{r\theta}$−0.54; $M_{r\phi}$2.43; $M_{\theta\phi}$−0.09. Depth 21km; Principal axes: T 2.76,Plg32°,Azm261°; N 0.00,Plg3°, Azm169°; P −2.76,Plg58°,Azm74°. Best double couple: $M_0$2.8×10^{18}Nm; NP1:ϕ_S3°,δ13°, λ−76°. NP2:ϕ_S168°,δ77°,λ−93°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s67,c166; Mantle waves: s54,c97; Half duration: 3s7. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.64±.01; $M_{\theta\theta}$−0.23±.01; $M_{\phi\phi}$1.87±.01; $M_{r\theta}$−0.17±.04; $M_{r\phi}$3.98±.04; $M_{\theta\phi}$−0.67±.01. Principal Axes: T 4.55,Plg33°,Azm261°; N −0.31,Plg7°,Azm355°; P −4.25,Plg57°,Azm96°. Best double couple: $M_0$4.4×10^{18}Nm, NP1:ϕ_S326°,δ14°,λ−120°. NP2:ϕ_S177°,δ78°,λ−83°.							
ISC	**VI**	**18 01 12 07**±1.7	**51.9N**±.35	**173.6W**±.37	**29**	**3.6b**	**4**	**19-74**
EIDC	VI	18 01 12 08.9	51.8N	173.7W	29	3.5b,3.3L		¶97vi2710
ISC	Poorly determined							
ISC	**VI**	**18 12 04 46**±1.3	**51.31N**±.079	**179.34W**±.058	**38**±11	**4.3b**,4.2s	**81**	**2-151**
EIDC	VI	18 12 04 41.4	51.2N	179.3W	0	4.2b		¶97vi2779
NEIC	VI	18 12 04 44.8	51.31N	179.32W	33	4.6b		
MOS	VI	18 12 04 45.2	51.3N	179.3W	33	4.9b		
BJI	VI	18 12 04 48.9	52.19N	179.94W	33	4.6b,4.7s		
NEIC	$M_{L4.7}$(PMR).							
ISC	**VI**	**20 02 33 55.1**±.23	**51.41N**±.047	**173.76W**±.039	**41**±1.3*	**5.2b,4.8s**	**349**	**2-153**
BJI	VI	20 02 33 53.5	51.55N	174.00W	33	5.3b,5.2s		¶97vi2993
EIDC	VI	20 02 33 53.6	51.5N	173.8W	22	4.5b,3.9s		
NEIC	VI	20 02 33 54.3	51.48N	173.68W	33	5.3b,4.8s		
MOS	VI	20 02 33 54.9	51.6N	173.7W	33	5.7b,4.9s		
HRVD	VI	20 02 33 56.1±.5	51.44N±.05	173.85W±.10	16±3.0			
NEIC	M_L5.4(PMR), Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c60; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}5.80±.29; $M_{\theta\theta}$−5.01±.30; $M_{\phi\phi}$−0.79±.32; $M_{r\theta}$7.98±2.07; $M_{r\phi}$5.55±1.70; $M_{\theta\phi}$−2.83±.46. Principal Axes: T 11.2,Plg61°,Azm320°; N 0.5, Plg4°,Azm57°; P −11.8,Plg29°,Azm150°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S252°, δ17°,λ105°. NP2:ϕ_S56°,δ74°,λ85°.							
ISC	**VI**	**21 09 20 58**±1.4	**51.7N**±.34	**175.0W**±.31	**42**±6.4*	**3.7b**	**5**	**19-56**
EIDC	VI	21 09 20 59.8	51.5N	174.9W	42	3.5b,3.9L		¶97vi3192
ISC	**VI**	**22 07 24 34.2**±.98	**51.57N**±.057	**178.34W**±.041	**57**±8.6	**4.7b,4.1s**	**186**	**1-160**
HRVD	VI	22 07 24 29.5±.1	51.34N±.01	178.01W±.02	58±1.1			¶97vi3340
BJI	VI	22 07 24 30.4	51.42N	178.33W	34	5.0b,4.6s		
NEIC	VI	22 07 24 31.2	51.57N	178.41W	33	4.9b,4.2s		
MOS	VI	22 07 24 31.5	51.5N	178.3W	33	5.1b,4.3s		
EIDC	VI	22 07 24 34.5	51.5N	178.2W	49	4.2b,3.2s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c22; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.31; $M_{\theta\theta}$−2.77±.38; $M_{\phi\phi}$0.12±.42; $M_{r\theta}$4.05±.59; $M_{r\phi}$2.40±.63; $M_{\theta\phi}$−1.41±.59. Principal Axes: T 5.27,Plg61°,Azm322°; N 0.63, Plg5°,Azm62°; P −5.90,Plg29°,Azm154°. Best double couple: $M_0$5.6×10^{16}Nm, NP1:ϕ_S259°, δ17°,λ109°. NP2:ϕ_S60°,δ74°,λ84°.							
NEIC	Mw5.1(HRV), M_L5.0(PMR)							
NEIC	Felt I=III MM on Adak.							
ISC	**VI**	**22 18 59 51**±4.7	**52.9N**±.15	**174.7W**±.17	**28**±36	**3.6b**	**15**	**2-121**
EIDC	VI	22 18 59 48.8	52.9N	174.7W	0	3.6b,3.7s		¶97vi3421
NEIC	VI	22 18 59 51.9	52.94N	174.65W	33			
NEIC	Less reliable solution.							
ISC	**VI**	**28 12 32 00**±1.9	**51.3N**±.17	**179.3W**±.15	**41**±17	**3.8b**,3.2s	**19**	**2-151**
EIDC	VI	28 12 31 54.6	51.2N	179.5W	0	3.6b,3.2s		¶97vi4476
NEIC	VI	28 12 31 59.2	51.21N	179.24W	33	4.1b		
NEIC	Less reliable solution.							

(9) Fox Islands.

ISC	**I**	**09 05 54 01**±1.7	**51.1N**±.26	**171.0W**±.26	**33**	**3.5b**	**6**	**19-54**
NEIC	I	09 05 54 00.4	51.14N	170.95W	33			¶97i1175
EIDC	I	09 05 54 04.1	51.2N	170.9W	48	3.4b		
NEIC	Poor solution.							
ISC	**I**	**19 10 37 02**±2.7	**52.5N**±.25	**171.1W**±.29	**67**±25	**3.5b**	**10**	**3-90**
EIDC	I	19 10 36 53.7	52.3N	171.2W	0	3.8b,3.2L		¶97i2822
NEIC	I	19 10 36 57.5	52.21N	170.77W	33	3.3b		
NEIC	Less reliable solution.							
ISC	**I**	**27 12 12 01**±2.4	**52.01N**±.094	**169.10W**±.079	**28**±16	**4.5b**,4.7s	**86**	**5-151**
EIDC	I	27 12 11 58.8	52.3N	169.1W	0	4.3b,4.0L		¶97i4085
MOS	I	27 12 11 59.6	51.7N	169.0W	33	5.1b		
BJI	I	27 12 12 01.9	52.00N	169.10W	33	4.7b,4.9s		
NEIC	I	27 12 12 01.9	51.99N	169.11W	33	4.7b,4.7s		
NEIC	$M_{L4.7}$(PMR).							
ISC	**I**	**30 14 15 53.8**±.95	**54.3N**±.13	**169.4W**±.16	**282**±11	**3.5b**	**20**	**5-92**
EIDC	I	30 14 15 51.3	54.2N	169.6W	246	3.3b		¶97i4494
NEIC	I	30 14 15 53.7	54.28N	169.44W	281	4.1b		
NEIC	Less reliable solution.							
ISC	**II**	**06 02 33 57**±1.3	**52.0N**±.22	**168.4W**±.18	**33**	**3.9b**	**8**	**5-68**
EIDC	II	06 02 33 56.1	52.0N	168.0W	0	3.9b,3.2L		¶97ii0789
NEIC	II	06 02 33 57.0	52.00N	168.45W	33	3.1b		
NEIC	Poor solution.							
ISC	**II**	**09 20 48 20**±6.6	**52.3N**±.26	**170.4W**±.24	**31**±51	**3.8b**	**10**	**4-76**
NEIC	II	09 20 48 19.7	52.38N	170.50W	33	3.1b		¶97ii1362
EIDC	II	09 20 48 40.6	52.8N	169.8W	189	3.4b,3.6L		
NEIC	Poor solution.							

ISC II 10 12 17 52±1.9 **52.0N**±.16 **170.8W**±.13 **31**±18 **3.9b** **18 4-76**
NEIC II 10 12 17 50.3 52.00N 170.73W 22 3.7b **¶97ii1456**
EIDC II 10 12 17 52.1 51.8N 170.5W 22 3.9b,3.6L
NEIC Less reliable solution.
ISC II 12 07 13 46±1.0 **51.9N**±.18 **167.8W**±.20 **33** **3.6b** **8 17-91**
EIDC II 12 07 13 42.1 51.9N 167.9W 0 3.7b,2.9L **¶97ii1736**
NEIC II 12 07 13 45.9 51.95N 167.79W 33
NEIC Single network solution.
ISC II 16 23 01 03±2.8 **52.3N**±.27 **171.2W**±.27 **55**±22 **3.7b** **11 3-153**
EIDC II 16 23 00 57.9 52.4N 171.3W 0 3.9b,3.1L **¶97ii2433**
NEIC II 16 23 01 03.3 52.26N 171.18W 60
NEIC Less reliable solution.
ISC II 18 17 51 37.2±.83 **52.6N**±.19 **169.7W**±.26 **33** **3.7b** **9 17-90**
EIDC II 18 17 51 34.0 52.5N 169.8W 0 3.8b,3.6L **¶97ii2674**
NEIC II 18 17 51 36.9 52.72N 169.84W 33
NEIC Less reliable solution.
ISC II 23 11 47 55±1.3 **52.1N**±.27 **170.3W**±.20 **33** **3.2b** **6 4-53**
EIDC II 23 11 47 45.9 51.8N 171.3W 0 3.3b,3.4L **¶97ii3324**
ISC III 02 17 39 16±2.3 **53.50N**±.036 **166.79W**±.044 **9**±13 **5.4b,4.5s** **406 4-155**
BJI III 02 17 39 16.5 53.85N 167.12W 12 5.2b,4.6s **¶97iii0369**
HRVD III 02 17 39 21.0±.9 53.23N±.09 166.06W±.12 74±6.7
NEIC III 02 17 39 22.0 53.54N 166.59W 57 5.4b
EIDC III 02 17 39 22.0 53.6N 166.8W 50 4.9b
MOS III 02 17 39 22.8 53.7N 166.6W 60 5.5b
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c22; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}6.82±.49; $M_{\theta\theta}$−3.73±.60; $M_{\phi\phi}$−3.09±.60; $M_{r\theta}$−1.62±.73; $M_{r\phi}$−0.55±1.06; $M_{\theta\phi}$3.57±.89. Principal Axes: T 7.19,Plg77°,Azm148°; N −0.15,Plg12°,Azm311°; P −7.04,Plg3°,Azm42°. Best double couple: $M_0$7.1×10^{16}Nm, NP1: ϕ_S144°,δ43°,λ108°. NP2:ϕ_S301°,δ50°,λ74°.
NEIC M_L5.5(PMR), Mw5.2(HRV)
NEIC Felt I=IV MM at Unalaska. Also felt in the Dutch Harbor area.
ISC III 09 02 36 33±2.4 **53.5N**±.21 **165.4W**±.12 **23** **11 1-3**
NEIC III 09 02 36 34.7 53.48N 165.36W 23 **¶97iii1893**
NEIC M_L2.9(AEIC), After AEIC.
ISC III 12 09 18 22±1.8 **53.1N**±.20 **167.5W**±.31 **33** **4.0b** **12 15-67**
EIDC III 12 09 18 18.8 53.1N 167.5W 0 4.0b,3.4L **¶97iii2503**
NEIC III 12 09 18 21.7 53.07N 167.47W 33 4.4b
NEIC Less reliable solution.
ISC III 16 14 33 41±1.5 **53.3N**±.15 **170.2W**±.18 **138**±18 **3.7b** **14 4-65**
EIDC III 16 14 33 39.9 53.1N 170.3W 126 3.5b,3.3L **¶97iii3237**
NEIC III 16 14 33 40.5 53.23N 170.17W 139 3.5b
NEIC Less reliable solution.
ISC III 18 15 48 45±1.4 **52.65N**±.082 **167.14W**±.078 **50**±11 **4.6b,4.2s** **93 6-122**
BJI III 18 15 48 42.2 52.82N 167.22W 26 5.1b,4.8s **¶97iii3561**
NEIC III 18 15 48 43.2 52.62N 167.13W 33 4.9b,4.7s
MOS III 18 15 48 43.4 52.6N 167.3W 33 5.2b
EIDC III 18 15 48 45.7 52.9N 166.9W 36 4.0b,4.0s
ISC III 21 02 54 26±2.3 **53.7N**±.36 **165.2W**±.17 **87** **11 1-3**
NEIC III 21 02 54 28.2 53.82N 165.31W 87 **¶97iii3988**
NEIC After AEIC.
ISC III 24 06 34 45.0±.21 **51.49N**±.035 **168.21W**±.040 **36** **5.0b,4.6s** **234 2-152**
BJI III 24 06 34 42.5 51.39N 168.11W 36 4.9b,5.8s **¶97iii4540**
NEIC III 24 06 34 44.3 51.46N 168.24W 33 5.0b,4.4s
MOS III 24 06 34 45.1 51.7N 168.2W 33 5.6b
EIDC III 24 06 34 45.3 51.3N 168.4W 36 4.7b
NEIC $M_{L5.0}$(PMR), $M_{L4.8}$(AEIC).
ISC III 24 17 38 52±1.9 **54.3N**±.47 **165.7W**±.39 **123**±30 **18 0-10**
NEIC III 24 17 38 54.1 54.26N 165.54W 107 **¶97iii4597**
NEIC After AEIC.
ISC III 26 15 48 56.3±.80 **52.6N**±.20 **170.0W**±.21 **33** **3.6b** **10 13-90**
NEIC III 26 15 48 46.2 52.16N 171.87W 33 **¶97iii5019**
EIDC III 26 15 49 14.3 53.0N 169.9W 187 3.2b
NEIC Less reliable solution.
ISC III 26 18 31 34±2.2 **53.7N**±.47 **165.9W**±.22 **92** **12 0-4**
NEIC III 26 18 31 34.9 54.09N 165.98W 92 **¶97iii5052**
NEIC After AEIC.
ISC IV 07 14 20 31±3.2 **53.3N**±.28 **165.7W**±.12 **16** **9 1-4**
NEIC IV 07 14 20 34.1 53.45N 165.74W 16 **¶97iv1173**
NEIC M_L3.3(AEIC), After AEIC.
ISC IV 08 15 14 20±1.5 **52.03N**±.041 **171.46W**±.036 **19**±10 **5.3b,5.1s** **355 3-154**
BJI IV 08 15 14 21.8 52.02N 171.43W 46 5.6b,5.1s **¶97iv1351**
MOS IV 08 15 14 22.2 52.2N 171.4W 31 5.6b,5.0s
NEIC IV 08 15 14 23.3 52.06N 171.41W 46 5.2b,5.2s
EIDC IV 08 15 14 23.7 52.1N 171.5W 36 4.8b,4.8s
HRVD IV 08 15 14 26.0±.3 52.01N±.02 171.60W±.05 33±1.9
NEIC Mw5.5(HRV), M_L5.5(PMR).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c67; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.37±.03; $M_{\theta\theta}$−1.28±.04; $M_{\phi\phi}$−0.09±.05; $M_{r\theta}$0.83±.11; $M_{r\phi}$0.56±.10; $M_{\theta\phi}$−0.51±.05. Principal Axes: T 1.70,Plg71°,Azm314°; N 0.07, Plg7°,Azm65°; P −1.77,Plg17°,Azm157°. Best double couple: $M_0$1.7×10^{17}Nm, NP1:ϕ_S258°, δ28°,λ105°. NP2:ϕ_S62°,δ63°,λ82°.
ISC IV 16 18 52 14±1.1 **53.8N**±.22 **165.8W**±.17 **76**±11 3.4b **20 0-51**
NEIC IV 16 18 52 16.4 53.84N 165.75W 60 **¶97iv2798**
EIDC IV 16 18 52 24.0 53.6N 161.9W 0 3.5b,3.4L
NEIC M_L3.6(AEIC), After AEIC.
ISC IV 17 04 37 31±2.1 **52.9N**±.15 **166.8W**±.16 **48**±19 **3.8b,**3.7s **19 6-122**
NEIC IV 17 04 37 29.3 52.82N 166.75W 33 **¶97iv2856**
EIDC IV 17 04 37 31.0 52.8N 166.7W 35 3.6b,3.1L
NEIC Less reliable solution.
ISC IV 21 04 45 23±2.5 **51.92N**±.079 **170.87W**±.055 **15**±17 **4.6b,4.4s** **122 4-150**
EIDC IV 21 04 45 21.9 51.9N 170.9W 0 4.3b,3.5s **¶97iv3407**
BJI IV 21 04 45 23.3 51.94N 171.35W 14 5.0b,4.9s
NEIC IV 21 04 45 25.1 51.96N 170.87W 33 4.6b,4.4s
MOS IV 21 04 45 25.3 51.9N 170.8W 33 5.1b,4.1s
ISC IV 23 16 07 06±2.3 **51.9N**±.17 **170.8W**±.16 **34**±19 **4.0b** **21 4-123**
NEIC IV 23 16 07 06.9 51.89N 170.79W 44 3.9b **¶97iv3990**
EIDC IV 23 16 07 08.9 52.0N 170.8W 38 3.9b,3.4L
NEIC Less reliable solution.
NEIC IV 24 02 47 01.2 **53.84N** **165.23W** **64** **1-2**
NEIC M_L2.8(AEIC), After AEIC. **¶97iv4069**
ISC IV 25 10 38 41±6.6 **53.4N**±.64 **165.7W**±.11 **16** **9 1-3**
NEIC IV 25 10 38 43.7 53.48N 165.79W 16 **¶97iv4324**
NEIC M_L2.9(AEIC), After AEIC.
ISC IV 27 05 47 27±2.3 **53.3N**±.21 **165.08W**±.072 **14** 2.8b **18 1-28**
NEIC IV 27 05 47 30.8 53.51N 165.11W 14 2.7b **¶97iv4671**
NEIC M_L3.3(AEIC), After AEIC.
ISC IV 28 07 05 44.0±.48 **52.33N**±.071 **167.01W**±.093 **33** **4.1b,**3.7s **45 5-91**
EIDC IV 28 07 05 40.3 52.3N 167.1W 0 4.1b,3.7s **¶97iv4871**
BJI IV 28 07 05 41.6 52.30N 167.00W 33
NEIC IV 28 07 05 43.6 52.28N 167.03W 33 4.5b
NEIC $M_{L4.6}$(PMR).
ISC IV 30 05 49 35±1.7 **52.3N**±.32 **171.6W**±.36 **33** **3.5b** **6 18-131**
EIDC IV 30 05 49 32.6 52.2N 171.7W 0 3.6b,3.3L **¶97iv5173**
NEIC IV 30 05 49 35.2 52.26N 171.54W 33
ISC Poorly determined
NEIC Poor solution.
ISC V 03 04 44 02±3.5 **53.9N**±.51 **165.5W**±.43 **125**±37 **11 0-3**
NEIC V 03 04 44 03.5 54.05N 165.64W 119 **¶97v0378**
NEIC After AEIC.
ISC V 04 13 45 08±4.4 **52.4N**±.16 **169.3W**±.14 **21**±31 **3.8b** **20 5-90**
NEIC V 04 13 45 10.0 52.40N 169.33W 33 3.3b **¶97v0647**
EIDC V 04 13 45 11.4 52.3N 169.2W 31 3.7b,3.2L
NEIC Less reliable solution.
ISC V 05 23 22 56±12 **53.3N**±.63 **165.5W**±.90 **25** **7 1-1**
NEIC V 05 23 22 59.4 53.40N 165.61W 25 **¶97v0865**
NEIC M_L2.8(AEIC), After AEIC.
ISC V 06 17 12 09±1.4 **53.8N**±.18 **165.6W**±.21 **33** **3.9b** **12 3-80**
EIDC V 06 17 12 05.7 53.8N 165.6W 0 3.9b,3.4L **¶97v0990**
NEIC V 06 17 12 08.7 53.77N 165.57W 33 4.0b
NEIC Poor solution.
ISC V 07 03 00 36±4.7 **52.1N**±.44 **171.8W**±.52 **51**±52 **3.5b** **6 3-89**
EIDC V 07 03 00 31.1 51.9N 171.8W 0 3.6b,3.3L **¶97v1045**
NEIC V 07 03 00 34.6 52.00N 171.63W 33
NEIC Less reliable solution.
ISC V 08 13 29 24.7±.16 **51.67N**±.035 **170.87W**±.032 **33** **5.7b,5.8s** **542 4-160**
EIDC V 08 13 29 20.6 51.9N 170.8W 0 5.2b,5.0s **¶97v1249**
BJI V 08 13 29 22.6 51.81N 170.86W 29 6.0b,6.0s
NEIC V 08 13 29 24.6 51.72N 170.80W 33 5.8b,5.9s
MOS V 08 13 29 24.8 51.8N 170.8W 33 6.2b,5.9s
HRVD V 08 13 29 26.9±.1 51.79N±.01 170.56W±.02 17
NEIC Mw6.0(GS), Me5.6(GS).
NEIC Mw 6.0 (HRV).
NEIC Radiated energy from the P−wave first−motion solution: 6.6±1.5×10^{12}Nm/18
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S59°,δ77°,λ90°. NP2:ϕ_S239°,δ13°,λ90°. Principal axes: T Plg58°,Azm329°; P Plg32°,Azm149°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s53, scale 10^{17}Nm; M_{rr}3.20; $M_{\theta\theta}$5.30; $M_{\phi\phi}$−8.40; $M_{r\theta}$8.10; $M_{r\phi}$4.50; $M_{\theta\phi}$−2.40. Depth 20km; Principal axes: T 12.4,Plg42°,Azm355°; N −0.7,Plg37°,Azm222°; P −11.7,Plg26°,Azm111°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S152°,δ39°,λ16°. NP2: ϕ_S50°,δ80°,λ127°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c94; Mantle waves: s34,c52; Half duration: 2s6. Moment tensor: Scale 10^{17}Nm; M_{rr}6.46±.07; $M_{\theta\theta}$−5.20±.08; $M_{\phi\phi}$−1.25±.07; $M_{r\theta}$8.36±.26; $M_{r\phi}$4.09±.24; $M_{\theta\phi}$−3.49±.08. Principal Axes: T 11.2,Plg63°,Azm337°; N 0.8,Plg2°,Azm242°; P −11.9,Plg27°,Azm151°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S235°,δ18°,λ83°. NP2:ϕ_S63°,δ72°,λ92°.
ISC V 09 19 32 20±2.5 **52.2N**±.21 **170.8W**±.21 **53**±22 **3.8b** **10 4-90**
EIDC V 09 19 32 13.9 52.0N 170.7W 0 3.8b,3.4L **¶97v1476**
NEIC V 09 19 32 17.7 52.14N 170.68W 33
NEIC Less reliable solution.
ISC V 13 04 24 04.3±.98 **54.5N**±.13 **165.4W**±.17 **77**±11 **3.7b** **17 1-64**
NEIC V 13 04 24 04.3 54.47N 165.41W 77 3.3b **¶97v2124**
EIDC V 13 04 24 08.8 54.7N 165.4W 95 3.4b,3.9L
NEIC Less reliable solution.
ISC V 17 15 04 45±2.2 **53.4N**±.24 **167.3W**±.27 **86**±7.6 **3.4b** **19 0-52**
NEIC V 17 15 04 46.5 53.28N 167.16W 70 **¶97v2949**
EIDC V 17 15 04 58.2 53.6N 167.7W 219 3.0b,2.9L
NEIC After AEIC.
ISC V 18 10 01 29.2±.38 **54.07N**±.035 **165.33W**±.042 **68**±3.1 **4.5b** **234 1-154**
BJI V 18 10 01 27.1 54.62N 165.54W 51 4.6b **¶97v3062**
MOS V 18 10 01 27.3 54.0N 165.2W 50 5.0b
EIDC V 18 10 01 28.6 54.1N 165.5W 52 4.2b,2.8s
NEIC V 18 10 01 29.0 54.08N 165.31W 67 4.8b
NEIC $M_{L4.8}$(AEIC).
ISC V 18 13 40 48.3±.52 **52.82N**±.070 **168.49W**±.099 **33** **4.3b,**3.3s **48 5-87**
EIDC V 18 13 40 44.8 52.8N 168.6W 0 4.2b,3.3s **¶97v3094**
NEIC V 18 13 40 48.4 52.84N 168.41W 33 4.4b
NEIC $M_{L4.6}$(PMR).
ISC V 21 04 12 01±1.3 **53.15N**±.081 **167.97W**±.084 **50**±12 **4.4b,3.2s** **61 5-154**
EIDC V 21 04 11 55.2 53.1N 168.0W 0 4.3b,2.9s **¶97v3508**
NEIC V 21 04 11 58.9 53.12N 167.98W 33 4.7b
MOS V 21 04 11 59.4 52.9N 167.8W 33 4.8b
NEIC $M_{L4.7}$(PMR).
ISC V 24 08 09 07±1.6 **51.8N**±.26 **170.7W**±.20 **33** **3.6b** **7 4-58**
EIDC V 24 08 09 02.2 51.6N 170.9W 0 3.7b,3.2L **¶97v4081**
NEIC V 24 08 09 06.7 51.80N 170.72W 33
NEIC Less reliable solution.
ISC V 25 11 20 17±1.4 **52.4N**±.23 **168.5W**±.42 **33** **3.6b** **5 17-91**
EIDC V 25 11 20 14.1 52.4N 168.6W 0 3.6b,3.4s **¶97v4262**
ISC VI 02 03 05 07.8±.49 **51.06N**±.078 **170.07W**±.087 **33** **4.2b,**2.9s **52 4-150**
EIDC VI 02 03 05 03.1 50.9N 170.0W 0 4.2b,2.9s **¶97vi0168**
NEIC VI 02 03 05 07.1 51.05N 170.14W 33 4.3b
NEIC $M_{L4.2}$(PMR).
EIDC VI 02 06 16 34.3 **53.3N** **167.6W** **0** 3.7b,3.3L **5-57**
¶97vi0193
ISC VI 03 20 01 27.0±.99 **53.10N**±.060 **169.71W**±.062 **95**±8.3 **4.5b** **141 4-153**
EIDC VI 03 20 01 24.6 53.1N 169.7W 65 4.2b,3.2s **¶97vi0511**
BJI VI 03 20 01 26.3 53.15N 169.61W 106 4.6b
MOS VI 03 20 01 28.0 53.1N 169.6W 100 4.8b
NEIC VI 03 20 01 28.0 53.24N 169.75W 106 4.7b
NEIC Felt I=IV MM at Nikolski.
ISC VI 04 03 14 42±1.3 **53.0N**±.13 **170.4W**±.14 **96**±13 **3.8b** **25 4-90**
EIDC VI 04 03 14 41.2 53.0N 170.5W 74 3.6b,4.2L **¶97vi0550**
NEIC VI 04 03 14 41.7 52.99N 170.38W 95
NEIC Less reliable solution.
ISC VI 04 14 30 07±2.7 **52.74N**±.082 **167.57W**±.074 **20**±19 **4.2b,**3.2s **55 5-122**
EIDC VI 04 14 30 04.6 52.6N 167.5W 0 4.1b,3.2s **¶97vi0627**
MOS VI 04 14 30 07.2 52.6N 167.5W 33 5.0b
BJI VI 04 14 30 07.2 52.69N 167.39W 35 4.6b
NEIC VI 04 14 30 08.5 52.77N 167.55W 33 4.2b
NEIC $M_{L4.1}$(PMR).
ISC VI 05 04 49 36±1.3 **51.8N**±.22 **167.0W**±.18 **33** **3.7b** **8 5-80**
NEIC VI 05 04 49 35.7 51.68N 167.05W 33 **¶97vi0714**
EIDC VI 05 04 49 36.0 52.0N 166.4W 0 3.7b,3.3L
NEIC Poor solution.
ISC VI 06 15 25 40±1.7 **52.4N**±.12 **170.9W**±.14 **84**±17 **4.0b** **24 4-153**
EIDC VI 06 15 25 30.3 52.3N 170.8W 0 4.1b,3.1s **¶97vi0948**
NEIC VI 06 15 25 34.6 52.24N 170.65W 33 4.3b
NEIC M_L4.3(PMR), Less reliable solution.
NEIC VI 16 14 24 27.1 **53.22N** **167.18W** **16** **1-4**
NEIC M_L3.4(AEIC), After AEIC. **¶97vi2477**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**22 19 18 54**±2.7	**53.0N**±.23	**167.6W**±.24	**77**±25	**3.5b**	**9**	**6-92**
NEIC	VI	22 19 18 53.2	53.05N	167.59W	74			**¶97vi3423**
EIDC	VI	22 19 18 55.3	53.1N	167.7W	77	3.3b,2.7L		
NEIC	Less reliable solution.							
ISC	**VI**	**30 01 58 29**±1.5	**52.3N**±.13	**170.7W**±.12	**59**±13	**4.0b**,3.1s	**25**	**4-153**
EIDC	VI	30 01 58 22.3	52.2N	170.8W	0	4.1b,3.2s		**¶97vi4698**
NEIC	VI	30 01 58 29.1	52.34N	170.69W	61	4.0b		

(10) Unimak Island region.

ISC	**I**	**09 07 52 16.7**±.21	**53.68N**±.043	**163.60W**±.043	**37**±1.4*	**5.0b,4.6s**	**255**	**2-145**
BJI	I	09 07 52 12.8	54.08N	164.04W	5	5.3b,5.0s		**¶97i1188**
HRVD	I	09 07 52 14.5±.1	53.11N±.01	163.18W±.02	41±1.3			
MOS	I	09 07 52 16.1	53.6N	163.8W	33	5.6b,4.8s		
NEIC	I	09 07 52 16.1	53.70N	163.55W	33	5.2b,4.5s		
EIDC	I	09 07 52 16.5	53.8N	163.5W	25	4.5b,4.1L		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c17; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.86±.38; $M_{\theta\theta}$−1.85±.47; $M_{\phi\phi}$−0.01±.40; $M_{r\theta}$3.04±.85; $M_{r\phi}$1.73±1.10; $M_{\theta\phi}$−2.34±.68. Principal Axes: T 3.62,Plg63°,Azm342°; N 1.55, Plg6°,Azm240°; P −5.17,Plg26°,Azm147°. Best double couple: $M_0$4.4×10^{16}Nm, NP1: ϕ_s223°,δ19°,λ72°. NP2:ϕ_s62°,δ72°,λ96°.

NEIC Mw5.1(HRV), M_L5.0(PMR).

ISC	**I**	**12 23 32 13**±4.7	**54.8N**±.26	**163.2W**±.51	**77**±28	**3.8b**	**9**	**2-65**
NEIC	I	12 23 32 05.9	54.66N	163.71W	33			**¶97i1752**
EIDC	I	12 23 32 18.7	55.0N	162.9W	102	3.6b,3.6L		
NEIC	Poor solution.							
ISC	**I**	**20 00 41 51**±1.3	**53.8N**±.23	**163.6W**±.24	**33**	3.1b	**8**	**2-80**
EIDC	I	20 00 41 51.0	53.8N	162.8W	0	3.3L,3.2b		**¶97i2913**
ISC	**II**	**08 19 06 46**±1.2	**54.12N**±.084	**163.76W**±.095	**44**±9.6	**4.2b**	**66**	**2-123**
NEIC	II	08 19 06 44.9	54.11N	163.77W	40	4.4b		**¶97ii1187**
EIDC	II	08 19 06 46.6	54.2N	163.8W	40	4.0b,4.1L		
NEIC	M_L4.4(PMR).							
ISC	**II**	**18 14 54 43**±1.9	**53.4N**±.17	**164.7W**±.16	**41**±19	**3.5b**	**12**	**3-93**
EIDC	II	18 14 54 38.0	53.2N	164.8W	0	3.6b,3.1L		**¶97ii2659**
NEIC	II	18 14 54 41.5	53.34N	164.67W	33			
ISC	**III**	**05 23 42 01.0**±.77	**54.4N**±.21	**163.4W**±.20	**98**±10	**3.5b**	**22**	**1-49**
EIDC	III	05 23 41 06.2	53.5N	172.8W	0	3.7b,3.3L		**¶97iii1152**
NEIC	III	05 23 42 03.4	54.53N	163.51W	82			
NEIC	After AEIC.							
ISC	**III**	**07 08 11 40**±5.1	**54.6N**±.26	**164.2W**±.58	**112**±28	**3.5b**	**9**	**2-64**
EIDC	III	07 08 11 26.2	54.2N	164.7W	0	3.7b,3.3L		**¶97iii1469**
NEIC	III	07 08 11 40.3	54.63N	164.06W	116			
NEIC	Poor solution.							
ISC	**III**	**21 07 37 26**±2.8	**54.4N**±.51	**164.9W**±.52	**33**	**3.4b**	**6**	**11-64**
EIDC	III	21 07 37 24.0	54.5N	165.2W	0	3.6b,3.9L		**¶97iii4032**
ISC	**III**	**25 13 45 12**±4.2	**53.83N**±.093	**163.62W**±.086	**13**±25	**4.4b,4.1s**	**49**	**2-151**
BJI	III	25 13 45 10.5	54.11N	163.78W	4	5.0b		**¶97iii4738**
NEIC	III	25 13 45 14.1	53.87N	163.58W	33	5.0b		
MOS	III	25 13 45 15.1	53.9N	163.5W	33	4.5b		
EIDC	III	25 13 45 15.9	53.8N	163.6W	34	3.8b,4.0s		
NEIC	M_L4.4(PMR).							
ISC	**III**	**28 09 45 43**±1.4	**55.8N**±.11	**163.3W**±.18	**154**±12	**3.7b**	**21**	**2-95**
NEIC	III	28 09 45 42.8	55.70N	163.23W	159	3.7b		**¶97iii5412**
EIDC	III	28 09 45 44.8	55.7N	163.1W	165	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**17 00 38 04**±1.1	**53.5N**±.11	**163.77W**±.082	**41**±6.5	**4.4b**,4.5s	**56**	**1-146**
EIDC	IV	17 00 38 00.7	53.8N	163.9W	0	4.2b,3.9L		**¶97iv2826**
NEIC	IV	17 00 38 04.1	53.39N	163.80W	38	4.6b,4.5s		
BJI	IV	17 00 38 04.3	54.00N	164.10W	38	4.7b		
NEIC	M_L4.3(AEIC), After AEIC.							
ISC	**IV**	**22 18 40 03**±2.1	**54.4N**±.32	**164.1W**±.21	**33**	**3.7b**	**11**	**2-79**
NEIC	IV	22 18 40 02.1	54.28N	164.06W	33			**¶97iv3810**
EIDC	IV	22 18 40 03.1	54.8N	164.5W	0	3.8b,3.5L		
NEIC	Poor solution.							
ISC	**IV**	**22 22 01 37.6**±.36	**53.65N**±.066	**163.68W**±.062	**3**	**4.7b,4.5s**	**131**	**3-154**
BJI	IV	22 22 01 39.4	53.98N	164.29W	3	5.0b,5.2s		**¶97iv3835**
MOS	IV	22 22 01 41.7	53.6N	163.6W	33	5.3b,4.6s		
NEIC	IV	22 22 01 41.7	53.66N	163.60W	33	4.6b,4.4s		
EIDC	IV	22 22 01 42.4	53.8N	163.7W	21	4.3b,3.5s		
ISC	**IV**	**24 05 21 46.1**±.49	**54.5N**±.15	**165.0W**±.16	**90**±7.3	**3.6b**	**28**	**1-52**
EIDC	IV	24 05 21 31.9	54.2N	166.1W	0	3.6b,3.4L		**¶97iv4089**
NEIC	IV	24 05 21 46.3	53.88N	164.48W	65			
NEIC	M_L4.0(AEIC), After AEIC.							
ISC	**IV**	**25 01 56 41**±2.1	**53.3N**±.21	**163.5W**±.15	**33**	2.8b	**15**	**2-27**
NEIC	IV	25 01 56 41.1	53.35N	163.52W	33	2.9b		**¶97iv4257**
NEIC	M_L3.0(AEIC), Less reliable solution.							
ISC	**IV**	**25 04 29 26**±4.2	**53.4N**±.46	**163.5W**±.31	**0**		**5**	**2-3**
NEIC	IV	25 04 29 26.5	53.37N	163.52W	0			**¶97iv4280**
NEIC	M_L2.9(AEIC), After AEIC.							
ISC	**IV**	**26 06 51 50**±4.9	**53.8N**±.13	**163.8W**±.11	**7**±30	**4.1b**,3.8s	**28**	**2-85**
EIDC	IV	26 06 51 51.1	53.8N	163.9W	0	4.0b,3.8s		**¶97iv4479**
BJI	IV	26 06 51 54.0	53.80N	163.70W	33	4.7b		
NEIC	IV	26 06 51 54.0	53.84N	163.71W	33	4.2b		
NEIC	M_L4.1(PMR), Less reliable solution.							
ISC	**IV**	**28 01 10 06**±4.9	**53.7N**±.15	**163.7W**±.14	**5**±29	**4.1b**,4.1s	**26**	**2-85**
BJI	IV	28 01 10 07.8	53.51N	163.45W	39	4.8b		**¶97iv4817**
NEIC	IV	28 01 10 09.9	53.74N	163.66W	33	4.1b		
EIDC	IV	28 01 10 12.3	53.9N	163.8W	34	3.7b,4.1s		
NEIC	M_L4.4(PMR), Less reliable solution.							
ISC	**V**	**03 08 30 43**±1.6	**53.8N**±.16	**163.7W**±.27	**33**	**3.8b**	**13**	**2-65**
EIDC	V	03 08 30 39.1	53.7N	163.9W	0	3.8b,3.4L		**¶97v0400**
NEIC	V	03 08 30 42.0	53.70N	163.80W	33			
NEIC	Less reliable solution.							
NEIC	**V**	**07 21 10 50.6**	**54.09N**	**164.11W**	**17**			**1-2**
NEIC	M_L2.5(AEIC), After AEIC.							**¶97v1146**
ISC	**V**	**15 02 11 28**±5.1	**53.9N**±.53	**163.1W**±.57	**25**		**11**	**1-2**
NEIC	V	15 02 11 31.0	54.03N	163.35W	25			**¶97v2543**
NEIC	M_L2.8(AEIC), After AEIC.							
ISC	**V**	**28 09 05 59.1**±.49	**54.5N**±.13	**164.4W**±.13	**96**±6.6	**3.7b**	**28**	**1-64**
EIDC	V	28 09 05 51.2	54.3N	165.4W	36	3.5b,3.5L		**¶97v4690**
NEIC	V	28 09 06 00.5	54.14N	164.14W	60			
NEIC	M_L4.0(AEIC), After AEIC.							
ISC	**V**	**29 15 50 32**±1.7	**54.7N**±.33	**163.4W**±.28	**76**±40		**9**	**1-2**
NEIC	V	29 15 50 31.9	54.61N	163.55W	80			**¶97v4895**
NEIC	After AEIC.							
ISC	**VI**	**26 17 53 17**±1.5	**53.6N**±.24	**163.7W**±.22	**33**	**3.6b**,3.5s	**10**	**3-80**
EIDC	VI	26 17 53 09.9	52.9N	164.7W	0	3.4s,3.6b		**¶97vi4176**
NEIC	VI	26 17 53 15.1	53.54N	163.92W	33			
NEIC	Poor solution.							
ISC	**VI**	**28 22 44 43**±2.3	**54.0N**±.50	**164.7W**±.36	**72**		**13**	**1-3**
NEIC	VI	28 22 44 44.3	54.03N	164.78W	72			**¶97vi4535**
NEIC	After AEIC.							

(11) Bristol Bay.

ISC	**III**	**02 19 18 42**±4.0	**58.7N**±.16	**159.3W**±.53	**2**	2.7b	**25**	**2-22**
NEIC	III	02 19 18 47.4	58.73N	158.83W	2			**¶97iii0383**
NEIC	M_L3.3(AEIC), After AEIC.							
ISC	**V**	**12 13 22 54**±1.4	**57.0N**±.20	**159.4W**±.27	**33**	**3.6b**,3.2s	**11**	**4-94**
EIDC	V	12 13 22 50.9	57.0N	160.1W	0	3.5b,3.2s		**¶97v1964**

(12) Alaska Peninsula.

ISC	**I**	**21 17 25 38.6**±.88	**58.97N**±.058	**154.4W**±.12	**147**±7.5		**70**	**0-10**
NEIC	I	21 17 25 42.0	59.04N	154.44W	123			**¶97i3209**
NEIC	After AEIC.							
ISC	**I**	**25 05 17 04**±1.4	**55.6N**±.14	**158.2W**±.19	**45**±15	**3.5b**	**14**	**1-63**
EIDC	I	25 05 16 58.5	55.5N	158.5W	0	3.5b,4.1L		**¶97i3745**
NEIC	I	25 05 17 02.7	55.45N	158.09W	33	2.8b		
NEIC	Less reliable solution.							
ISC	**II**	**08 10 58 02.5**±.53	**58.90N**±.051	**154.2W**±.11	**115**		**61**	**0-19**
NEIC	II	08 10 58 03.2	58.92N	154.48W	115	2.8b		**¶97ii1128**
NEIC	After AEIC.							
ISC	**II**	**10 22 22 23**±2.1	**55.3N**±.21	**162.1W**±.32	**33**	**3.5b**	**7**	**1-64**
EIDC	II	10 22 22 19.1	55.1N	162.1W	0	3.5b,3.6L		**¶97ii1534**
NEIC	II	10 22 22 22.7	55.24N	162.15W	33			
NEIC	Poor solution.							
ISC	**II**	**15 02 40 23.3**±.62	**55.6N**±.14	**161.0W**±.16	**186**±7.0	**3.8b**	**69**	**0-153**
EIDC	II	15 02 40 21.0	56.1N	161.8W	109	3.6b		**¶97ii2163**
NEIC	II	15 02 40 24.0	55.73N	161.12W	179	3.2b		
ISC	**II**	**20 11 24 06**±2.8	**55.6N**±.10	**160.8W**±.55	**33**		**6**	**0-11**
NEIC	II	20 11 24 05.3	55.62N	161.08W	33			**¶97ii2916**
NEIC	M_L3.7(PMR). Poor solution.							
NEIC	Felt I=III MM at Cold Bay.							
ISC	**II**	**20 21 18 28**±5.5	**55.7N**±.16	**157.2W**±.19	**11**±34	**3.8b**	**13**	**2-82**
EIDC	II	20 21 18 27.4	55.6N	157.5W	0	3.9b,4.1L		**¶97ii2977**
NEIC	II	20 21 18 30.6	55.64N	157.15W	33			
NEIC	Less reliable solution.							
ISC	**II**	**23 00 23 34.3**±.77	**56.71N**±.064	**158.60W**±.092	**93**±7.6	**4.2b**	**43**	**2-158**
NEIC	II	23 00 23 34.3	56.70N	158.61W	95	4.6b		**¶97ii3271**
EIDC	II	23 00 23 34.5	56.8N	158.6W	85	3.9b		
ISC	**II**	**24 15 39 21.0**±.39	**55.96N**±.088	**159.6W**±.17	**115**±11	**3.5b**	**61**	**1-63**
EIDC	II	24 15 39 03.4	55.7N	161.3W	0	3.6b,4.2L		**¶97ii3499**
NEIC	II	24 15 39 22.7	55.88N	159.83W	123			
NEIC	After AEIC.							
ISC	**II**	**26 21 49 46**±2.4	**57.4N**±.15	**156.0W**±.28	**129**±13	**3.0b**	**47**	**2-46**
EIDC	II	26 21 49 42.0	57.5N	157.5W	128	2.8b		**¶97ii3859**
NEIC	II	26 21 49 43.0	57.09N	156.25W	100			
NEIC	Less reliable solution.							
ISC	**III**	**05 05 37 47.7**±.40	**57.10N**±.065	**156.5W**±.10	**117**±12	3.0b	**67**	**1-46**
EIDC	III	05 05 37 43.2	57.1N	156.1W	0	3.0b,3.7L		**¶97iii0993**
NEIC	III	05 05 37 51.7	57.37N	156.77W	86	3.2b		
NEIC	After AEIC.							
ISC	**III**	**06 22 25 17**±7.9	**54.2N**±.51	**161.2W**±.25	**4**±31		**12**	**1-5**
NEIC	III	06 22 25 20.7	54.32N	161.35W	10			**¶97iii1363**
NEIC	M_L3.0(AEIC), After AEIC.							
ISC	**III**	**09 08 37 20**±7.0	**55.3N**±.25	**161.5W**±.34	**107**±62		**9**	**0-1**
NEIC	III	09 08 37 19.1	55.34N	161.47W	123			**¶97iii1935**
NEIC	After AEIC.							
ISC	**III**	**12 12 32 20.7**±.73	**57.44N**±.088	**156.0W**±.17	**95**±12	2.3b	**31**	**1-21**
NEIC	III	12 12 32 22.9	57.52N	156.16W	75	2.3b		**¶97iii2538**
NEIC	After AEIC.							
ISC	**III**	**16 03 27 05.9**±.65	**58.37N**±.058	**154.7W**±.11	**6**		**32**	**0-3**
NEIC	III	16 03 27 06.1	58.39N	154.82W	6			**¶97iii3159**
NEIC	M_L2.9(AEIC), After AEIC.							
ISC	**III**	**17 01 14 53.5**±.93	**55.1N**±.16	**160.9W**±.15	**61**		**12**	**0-1**
NEIC	III	17 01 14 54.0	55.14N	160.86W	61			**¶97iii3298**
NEIC	M_L2.5(AEIC), After AEIC.							
ISC	**III**	**17 15 44 21**±7.1	**54.3N**±.41	**161.6W**±.38	**0**		**8**	**1-1**
NEIC	III	17 15 44 22.4	54.33N	161.75W	0			**¶97iii3395**
NEIC	M_L2.6(AEIC), After AEIC.							
ISC	**III**	**28 06 48 09.0**±.52	**57.90N**±.082	**156.6W**±.15	**167**±11	2.6b	**45**	**1-21**
NEIC	III	28 06 48 11.0	58.01N	156.93W	151	2.7b		**¶97iii5373**
NEIC	After AEIC.							
ISC	**IV**	**01 08 29 21.5**±.66	**58.38N**±.025	**155.36W**±.046	**15**±5.4	**4.7b,4.3s**	**175**	**0-148**
BJI	IV	01 08 29 17.3	58.37N	155.45W	1	4.7b,4.9s		**¶97iv0040**
MOS	IV	01 08 29 20.4	58.3N	155.3W	10	5.4b		
EIDC	IV	01 08 29 20.5	58.5N	155.3W	0	4.4b,3.9s		
NEIC	IV	01 08 29 20.9	58.25N	155.17W	2	4.8b		
NEIC	M_L4.6(PMR), M_L4.5(AEIC), After AEIC.							
ISC	**IV**	**01 08 57 06.5**±.34	**58.31N**±.032	**155.26W**±.069	**2**	**3.9b**	**81**	**0-100**
NEIC	IV	01 08 57 07.2	58.24N	155.19W	2			**¶97iv0044**
EIDC	IV	01 08 57 15.1	58.5N	154.8W	53	3.7b,3.9L		
NEIC	M_L4.1(AEIC), After AEIC.							
ISC	**IV**	**01 09 01 17**±2.2	**58.2N**±.14	**155.1W**±.31	**3**±37		**7**	**0-2**
NEIC	IV	01 09 01 17.1	58.25N	155.19W	1			**¶97iv0045**
NEIC	M_L2.8(AEIC), After AEIC.							
ISC	**IV**	**04 17 01 09**±1.4	**54.6N**±.19	**161.8W**±.16	**79**±30		**16**	**0-3**
NEIC	IV	04 17 01 10.9	54.72N	161.81W	66			**¶97iv0635**
NEIC	M_L2.6(AEIC), After AEIC.							
ISC	**IV**	**05 05 06 16.8**±.97	**55.6N**±.11	**157.7W**±.14	**46**±13	**3.5b**	**27**	**2-52**
EIDC	IV	05 05 06 13.5	55.8N	157.6W	0	3.5b,4.4L		**¶97iv0700**
NEIC	IV	05 05 06 17.1	55.46N	157.54W	26	3.3b		
NEIC	M_L3.8(AEIC), M_L3.7(PMR). Felt I=III MM, After AEIC.							
NEIC	Felt I=III MM at Sand Point.							
ISC	**IV**	**05 05 07 24**±1.7	**55.1N**±.10	**160.0W**±.16	**8**±10	3.1b	**13**	**0-24**
								¶97iv0701
ISC	**IV**	**09 10 02 51.3**±.95	**58.96N**±.075	**154.5W**±.16	**150**±9.7		**32**	**0-10**
NEIC	IV	09 10 02 54.8	58.97N	154.55W	121			**¶97iv1495**
NEIC	After AEIC.							
ISC	**IV**	**11 23 07 20**±4.3	**54.0N**±.28	**160.2W**±.72	**33**	**3.5b**	**6**	**1-35**
NEIC	IV	11 23 07 16.8	53.84N	160.71W	33	3.6b		**¶97iv1985**
EIDC	IV	11 23 07 22.4	54.0N	159.1W	0	3.3b,3.6L		
NEIC	Less reliable solution.							
ISC	**IV**	**18 11 09 10**±1.5	**55.4N**±.20	**162.1W**±.20	**33**	**3.9b**	**7**	**1-63**
EIDC	IV	18 11 09 06.5	55.1N	162.0W	0	3.9b,3.4L		**¶97iv3064**
NEIC	IV	18 11 09 10.3	55.34N	162.11W	33			
NEIC	Less reliable solution.							

ISC	**IV**	**20 19 53 26**±5.2	**58.5N**±.30	**155.6W**±.76	**164**±14			**13**	**1-20**
NEIC	IV	20 19 53 27.0	58.56N	155.73W	155	2.7b			**¶97iv3353**
NEIC	After AEIC.								
ISC	**IV**	**25 19 24 09**±4.9	**54.2N**±.28	**162.1W**±.28	**0**			**12**	**1-1**
NEIC	IV	25 19 24 11.6	54.40N	162.13W	0				**¶97iv4402**
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**V**	**06 02 31 35.5**±.38	**58.11N**±.051	**154.85W**±.085	**117**±7.3			**74**	**0-20**
NEIC	V	06 02 31 37.9	58.10N	154.95W	92	3.1b			**¶97v0891**
NEIC	After AEIC.								
ISC	**V**	**11 15 20 15.0**±.56	**58.97N**±.051	**154.3W**±.11	**115**			**55**	**0-150**
NEIC	V	11 15 20 16.1	58.92N	154.49W	115				**¶97v1803**
EIDC	V	11 15 20 16.2	58.9N	153.4W	50	3.7L			
NEIC	After AEIC.								
ISC	**V**	**11 21 48 22**±1.7	**55.1N**±.12	**160.4W**±.14	**0**	3.3b		**13**	**0-24**
NEIC	V	11 21 48 13.1	54.92N	159.37W	0				**¶97v1849**
NEIC	M_L3.2(AEIC), After AEIC.								
ISC	**V**	**17 08 58 05.1**±.41	**57.32N**±.053	**155.55W**±.079	**107**±4.6	**4.0b**		**86**	**1-80**
NEIC	V	17 08 58 07.8	57.27N	155.60W	74	3.9b			**¶97v2903**
EIDC	V	17 08 58 08.0	57.7N	155.8W	97	3.8b			
NEIC	After AEIC.								
ISC	**V**	**18 14 48 57**±3.1	**54.6N**±.21	**161.5W**±.13	**10**			**14**	**1-1**
NEIC	V	18 14 48 58.7	54.56N	161.59W	10				**¶97v3104**
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**V**	**20 05 08 50**±1.5	**54.55N**±.083	**160.60W**±.077	**26**±10	**3.6b**		**34**	**1-81**
EIDC	V	20 05 08 48.5	54.6N	160.6W	0	3.7b,3.4L			**¶97v3360**
NEIC	V	20 05 08 49.4	54.41N	160.57W	25				
NEIC	M_L4.1(AEIC), After AEIC.								
ISC	**V**	**21 00 59 30**±4.5	**55.2N**±.22	**160.2W**±.64	**12**±16			**11**	**0-2**
NEIC	V	21 00 59 23.9	55.40N	159.48W	0				**¶97v3487**
NEIC	M_L2.9(AEIC), After AEIC.								
ISC	**V**	**22 23 22 24**±2.7	**54.7N**±.21	**160.8W**±.13	**20**±17			**14**	**0-1**
NEIC	V	22 23 22 24.6	54.66N	160.79W	20				**¶97v3846**
NEIC	M_L3.0(AEIC), After AEIC.								
ISC	**V**	**26 00 09 28**±2.3	**56.0N**±.32	**160.8W**±.32	**150**			**14**	**1-1**
									¶97v4339
ISC	**V**	**28 08 48 50**±1.6	**55.6N**±.18	**160.9W**±.29	**33**	**3.4b**		**8**	**7-43**
NEIC	V	28 08 48 50.0	55.61N	160.86W	33				**¶97v4687**
EIDC	V	28 08 48 54.4	55.6N	160.8W	56	3.4b,3.5L			
NEIC	Single network solution.								
ISC	**V**	**29 06 02 08.1**±.44	**54.78N**±.077	**162.50W**±.082	**98**±3.3	**4.2b**		**62**	**0-84**
BJI	V	29 06 02 03.2	55.28N	162.35W	60	4.6b			**¶97v4827**
EIDC	V	29 06 02 04.4	54.8N	162.6W	45	4.0b,4.2L			
NEIC	V	29 06 02 09.1	54.53N	162.35W	76	4.7b			
NEIC	After AEIC.								
ISC	**V**	**30 14 44 35.1**±.80	**57.96N**±.083	**155.0W**±.14	**103**±13			**18**	**0-5**
NEIC	V	30 14 44 37.0	57.95N	155.07W	87				**¶97v5050**
NEIC	After AEIC.								
ISC	**VI**	**01 22 50 24.5**±.46	**55.05N**±.077	**161.6W**±.10	**100**±3.7	**3.8b**		**44**	**0-96**
EIDC	VI	01 22 50 13.4	54.9N	161.9W	0	3.9b,4.4L			**¶97vi0150**
NEIC	VI	01 22 50 25.8	54.89N	161.60W	90	4.4b			
NEIC	After AEIC.								
ISC	**VI**	**05 13 57 41.4**±.83	**54.73N**±.096	**161.4W**±.11	**62**±6.0	**3.8b**		**36**	**0-84**
EIDC	VI	05 13 57 41.2	55.8N	162.6W	0	3.8b,3.9L			**¶97vi0784**
NEIC	VI	05 13 57 41.8	54.64N	161.41W	12				
NEIC	M_L4.0(AEIC), After AEIC.								
ISC	**VI**	**13 13 06 22**±1.9	**54.3N**±.11	**161.5W**±.20	**0**			**12**	**1-12**
NEIC	VI	13 13 06 24.1	54.45N	161.49W	0				**¶97vi1991**
NEIC	M_L3.2(AEIC), After AEIC.								
ISC	**VI**	**16 03 05 10.9**±.60	**57.93N**±.081	**156.8W**±.15	**173**±9.6	2.8b		**39**	**1-21**
NEIC	VI	16 03 05 12.8	57.94N	156.85W	161	3.0b			**¶97vi2395**
NEIC	After AEIC.								
ISC	**VI**	**17 00 48 50**±2.4	**55.0N**±.28	**161.7W**±.24	**62**			**9**	**0-1**
NEIC	VI	17 00 48 49.6	54.94N	161.55W	62				**¶97vi2533**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**VI**	**17 08 54 04**±2.0	**54.6N**±.11	**161.4W**±.21	**12**			**11**	**1-3**
NEIC	VI	17 08 54 05.8	54.63N	161.41W	12				**¶97vi2583**
NEIC	M_L3.3(AEIC), After AEIC.								
ISC	**VI**	**22 02 22 55**±2.0	**55.3N**±.24	**162.2W**±.17	**127**±18			**18**	**0-3**
NEIC	VI	22 02 22 56.4	55.32N	162.37W	121				**¶97vi3309**
NEIC	After AEIC.								
ISC	**VI**	**23 01 51 21.2**±.75	**57.04N**±.080	**155.7W**±.13	**82**±6.2	**3.6b**		**38**	**1-83**
NEIC	VI	23 01 51 24.5	57.14N	155.67W	64				**¶97vi3470**
EIDC	VI	23 01 51 25.5	57.6N	156.0W	72	3.4b			
NEIC	M_L4.1(PMR), M_L3.5(AEIC), After AEIC.								
ISC	**VI**	**23 23 04 57**±1.3	**54.0N**±.10	**162.4W**±.15	**0**			**19**	**1-3**
NEIC	VI	23 23 05 02.2	54.33N	162.61W	0				**¶97vi3603**
NEIC	M_L3.1(AEIC), After AEIC.								
ISC	**VI**	**26 03 32 11.0**±.61	**58.13N**±.061	**154.44W**±.095	**75**			**40**	**0-8**
NEIC	VI	26 03 32 12.7	58.16N	154.67W	75				**¶97vi4077**
NEIC	After AEIC.								
ISC	**VI**	**26 06 11 14**±5.1	**54.4N**±.35	**161.4W**±.15	**20**			**12**	**1-1**
NEIC	VI	26 06 11 15.6	54.35N	161.53W	20				**¶97vi4092**
NEIC	M_L2.8(AEIC), After AEIC.								

(13) Kodiak Island region.

ISC	**I**	**01 10 14 20**±5.5	**56.5N**±.18	**152.1W**±.21	**16**±35	**3.9b**		**21**	**1-85**
EIDC	I	01 10 14 18.9	56.5N	152.4W	0	3.8b,3.9L			**¶97i0057**
NEIC	I	01 10 14 22.5	56.54N	152.15W	33				
NEIC	Less reliable solution.								
ISC	**I**	**03 05 39 25**±1.3	**58.80N**±.077	**152.6W**±.12	**84**±13			**67**	**0-7**
NEIC	I	03 05 39 27.4	58.87N	152.71W	63				**¶97i0331**
NEIC	M_L3.2(AEIC), After AEIC.								
ISC	**I**	**03 15 45 54**±8.5	**56.6N**±.29	**151.9W**±.29	**22**±56	**3.5b**		**11**	**1-62**
NEIC	I	03 15 45 55.3	56.62N	151.87W	33				**¶97i0399**
EIDC	I	03 15 45 59.0	56.7N	151.8W	40	3.3b,3.8L			
NEIC	Less reliable solution.								
ISC	**I**	**20 13 16 37.5**±.21	**56.52N**±.023	**152.78W**±.043	**33**	**4.8b,5.2s**		**260**	**1-149**
BJI	I	20 13 16 32.6	56.46N	153.39W	5	4.9b,5.4s			**¶97i3004**
EIDC	I	20 13 16 33.3	56.4N	153.0W	0	4.6b,4.8s			
MOS	I	20 13 16 35.2	55.9N	153.8W	33	5.5b,5.1s			
NEIC	I	20 13 16 37.0	56.47N	152.92W	33	4.9b,5.0s			
HRVD	I	20 13 16 38.2±.5	55.82N±.09	152.84W±.11	47±8.1				
NEIC	Mw5.3(HRV), M_L5.1(AEIC).								
NEIC	ML 5.0 (PMR).								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c31; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.40; $M_{\theta\theta}$−2.26±.60; $M_{\phi\phi}$0.58±.44; $M_{r\theta}$6.67±.74; $M_{r\phi}$5.82±.70; $M_{\theta\phi}$−2.87±.54. Principal Axes: T 8.2,Plg53°,Azm309°; N 2.2, Plg7°,Azm48°; P −10.4,Plg36°,Azm143°. Best double couple: $M_0$9.3×10^{16}Nm, NP1:ϕ_S268°, δ11°,λ130°. NP2:ϕ_S47°,δ82°,λ83°.								
ISC	**I**	**20 13 31 27**±2.9	**56.7N**±.25	**152.8W**±.42	**33**	3.8b		**5**	**1-60**
EIDC	I	20 13 31 24.5	56.7N	153.4W	0	3.3b,3.4L			**¶97i3009**
NEIC	I	20 13 31 26.6	56.60N	152.65W	33	2.8b			
NEIC	Poor solution.								
ISC	**I**	**20 13 49 00**±1.8	**56.9N**±.20	**153.0W**±.32	**33**	**3.3b**		**7**	**8-60**
EIDC	I	20 13 48 56.0	56.8N	153.4W	0	3.3b,3.3L			**¶97i3011**
NEIC	I	20 13 49 00.1	56.91N	153.10W	33	3.0b			
NEIC	Poor solution.								
ISC	**I**	**20 14 20 38**±5.6	**56.3N**±.13	**153.1W**±.17	**9**±34	**3.7b**		**15**	**1-84**
EIDC	I	20 14 20 36.0	56.2N	153.5W	0	3.5b,3.6L			**¶97i3015**
NEIC	I	20 14 20 40.7	56.33N	153.03W	33	2.7b			
NEIC	Less reliable solution.								
ISC	**I**	**20 14 43 16.6**±.46	**56.21N**±.043	**152.74W**±.058	**33**	**4.3b**		**117**	**2-85**
EIDC	I	20 14 43 16.0	56.5N	153.0W	0	4.2b,3.8L			**¶97i3021**
BJI	I	20 14 43 16.9	56.20N	152.80W	33				
NEIC	I	20 14 43 16.9	56.24N	152.78W	33	4.2b			
NEIC	M_L4.4(AEIC), M_L4.4(PMR).								
ISC	**I**	**20 16 34 31.4**±.79	**56.19N**±.065	**152.8W**±.11	**35**±6.4*	**3.6b**		**42**	**2-85**
NEIC	I	20 16 34 31.8	56.23N	152.91W	33				**¶97i3042**
EIDC	I	20 16 34 34.2	56.2N	152.7W	33	3.5b,3.4L			
NEIC	M_L2.9(AEIC).								
ISC	**I**	**20 16 58 38.3**±.64	**56.30N**±.054	**152.65W**±.088	**33**	**3.9b**		**84**	**1-81**
EIDC	I	20 16 58 35.6	56.3N	153.0W	0	3.9b,4.0L			**¶97i3047**
NEIC	I	20 16 58 38.2	56.30N	152.75W	33	4.0b			
NEIC	M_L3.9(PMR), M_L3.7(AEIC).								
ISC	**I**	**20 17 02 46.6**±.41	**56.23N**±.040	**152.75W**±.058	**33**	**4.3b,4.7s**		**140**	**2-85**
EIDC	I	20 17 02 44.6	56.2N	153.1W	0	4.2b,4.6L			**¶97i3048**
BJI	I	20 17 02 45.6	56.57N	153.40W	5	4.7b,5.1s			
NEIC	I	20 17 02 46.0	56.20N	152.74W	33	4.5b,4.6s			
MOS	I	20 17 02 48.4	56.3N	153.2W	33	4.8b			
NEIC	M_L4.7(PMR), M_L4.6(AEIC).								
ISC	**I**	**20 18 14 57.3**±.70	**56.13N**±.059	**152.72W**±.087	**33**	**3.7b**		**78**	**2-85**
EIDC	I	20 18 14 57.1	56.4N	153.2W	0	3.7b,3.8L			**¶97i3058**
NEIC	I	20 18 14 57.7	56.16N	152.78W	33	3.4b			
NEIC	M_L3.9(AEIC), M_L3.8(PMR).								
ISC	**I**	**23 22 48 40.9**±.95	**58.00N**±.041	**151.63W**±.049	**19**±7.2	**4.0b**		**121**	**1-151**
EIDC	I	23 22 48 38.5	58.1N	152.1W	0	3.9b,3.9L			**¶97i3561**
NEIC	I	23 22 48 40.7	58.07N	151.77W	0				
NEIC	M_L4.4(PMR), M_L4.3(AEIC). Felt I=III MM, After AEIC.								
NEIC	Felt I=III MM at Kodiak.								
ISC	**I**	**25 18 59 43.1**±.71	**57.61N**±.065	**153.7W**±.10	**68**±7.5	**3.5b**		**53**	**1-84**
EIDC	I	25 18 59 36.1	57.6N	154.3W	0	3.5b,3.5L			**¶97i3842**
NEIC	I	25 18 59 44.7	57.65N	153.96W	44	2.9b			
NEIC	M_L3.5(AEIC), After AEIC.								
ISC	**II**	**22 07 21 41**±1.5	**58.83N**±.083	**152.9W**±.16	**85**±14			**45**	**0-6**
NEIC	II	22 07 21 44.1	58.90N	152.99W	62				**¶97ii3181**
NEIC	M_L2.9(AEIC), After AEIC.								
ISC	**III**	**14 09 34 00.6**±.93	**58.78N**±.066	**152.4W**±.10	**71**±12			**44**	**0-7**
NEIC	III	14 09 34 03.0	58.84N	152.41W	49				**¶97iii2847**
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**III**	**17 14 23 43.4**±.60	**58.65N**±.044	**153.45W**±.083	**100**±6.6			**97**	**0-19**
NEIC	III	17 14 23 46.1	58.68N	153.56W	70	3.5b			**¶97iii3388**
NEIC	M_L3.9(PMR), M_L3.3(AEIC), After AEIC.								
ISC	**III**	**18 03 43 18.3**±.76	**58.30N**±.054	**153.38W**±.095	**102**±8.3			**84**	**1-19**
NEIC	III	18 03 43 21.3	58.32N	153.40W	69				**¶97iii3483**
NEIC	M_L3.2(AEIC), After AEIC.								
ISC	**III**	**19 00 18 15**±1.1	**58.96N**±.067	**152.8W**±.11	**89**±9.4			**75**	**0-7**
NEIC	III	19 00 18 17.5	59.05N	152.84W	68				**¶97iii3606**
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**IV**	**07 07 54 41**±2.2	**58.8N**±.11	**153.8W**±.28	**123**±16			**28**	**0-7**
NEIC	IV	07 07 54 44.9	58.84N	153.71W	97				**¶97iv1122**
NEIC	After AEIC.								
ISC	**IV**	**11 17 11 24.0**±.80	**57.78N**±.064	**153.9W**±.11	**86**±12			**64**	**1-20**
NEIC	IV	11 17 11 26.7	57.85N	154.10W	54	3.0b			**¶97iv1940**
NEIC	M_L3.3(AEIC), After AEIC.								
ISC	**IV**	**12 00 01 55.5**±.29	**58.67N**±.030	**152.94W**±.047	**76**±3.9	**4.0b**		**137**	**0-83**
EIDC	IV	12 00 01 56.8	58.8N	153.2W	60	3.8b			**¶97iv1991**
NEIC	IV	12 00 01 57.6	58.64N	153.10W	62				
NEIC	M_L4.6(PMR), M_L4.1(AEIC), After AEIC.								
ISC	**IV**	**13 21 05 50**±1.0	**58.17N**±.079	**151.5W**±.12	**53**±37			**47**	**1-6**
NEIC	IV	13 21 05 51.1	58.13N	151.56W	45				**¶97iv2299**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**IV**	**14 14 15 08**±1.5	**58.2N**±.14	**151.6W**±.24	**20**			**4**	**1-3**
NEIC	IV	14 14 15 10.1	58.16N	151.56W	20				**¶97iv2471**
ISC	Poorly determined								
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**IV**	**17 18 03 41**±1.1	**58.97N**±.070	**152.7W**±.13	**81**±13			**49**	**1-6**
NEIC	IV	17 18 03 42.5	59.03N	152.72W	70				**¶97iv2951**
NEIC	M_L2.7(AEIC), After AEIC.								
ISC	**IV**	**24 23 59 34**±3.8	**56.2N**±.22	**153.5W**±.24	**35**±27	**3.8b**		**16**	**2-84**
EIDC	IV	24 23 59 31.0	56.1N	153.7W	0	3.8b,3.6L			**¶97iv4239**
NEIC	IV	24 23 59 34.1	56.17N	153.55W	33	3.5b			
NEIC	Less reliable solution.								
ISC	**IV**	**25 01 43 46**±1.2	**58.89N**±.086	**151.8W**±.13	**77**±18			**18**	**1-6**
NEIC	IV	25 01 43 47.8	58.84N	151.81W	40				**¶97iv4254**
NEIC	M_L3.2(AEIC), After AEIC.								
ISC	**V**	**03 10 27 44**±1.1	**57.71N**±.086	**152.71W**±.089	**69**±15			**59**	**0-8**
NEIC	V	03 10 27 46.3	57.77N	152.86W	38				**¶97v0416**
NEIC	M_L3.2(AEIC), After AEIC.								
NEIC	**V**	**13 00 00 29.1**	**57.39N**	**154.37W**	**25**				**1-1**
NEIC	M_L2.5(AEIC), After AEIC.								**¶97v2081**
ISC	**VI**	**11 21 08 42.5**±.72	**58.97N**±.051	**152.24W**±.087	**100**±9.7			**60**	**0-9**
NEIC	VI	11 21 08 44.8	58.99N	152.27W	78				**¶97vi1754**
NEIC	After AEIC.								
ISC	**VI**	**21 06 54 24.5**±.81	**57.59N**±.084	**152.34W**±.097	**81**±13			**26**	**0-19**
NEIC	VI	21 06 54 28.6	57.71N	152.58W	46	2.7b			**¶97vi3171**
NEIC	M_L2.8(AEIC), After AEIC.								
ISC	**VI**	**25 01 06 50**±1.5	**56.7N**±.12	**154.4W**±.16	**20**			**20**	**1-8**
NEIC	VI	25 01 06 55.8	56.93N	154.39W	20				**¶97vi3818**
NEIC	M_L3.1(AEIC), After AEIC.								
ISC	**VI**	**27 04 59 41**±2.4	**57.1N**±.19	**153.6W**±.15	**86**±23			**29**	**1-8**
NEIC	VI	27 04 59 44.5	57.32N	153.68W	10				**¶97vi4244**
NEIC	M_L3.3(AEIC), After AEIC.								

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ISC	**I**	**02 17 40 22.2**±.26	**60.39N**±.030	**149.51W**±.044	**45**±7.1	**3.3b**		**83**	**0-58**
EIDC	I	02 17 40 18.1	60.6N	149.6W	0	3.4b,3.1L			**¶97i0255**
NEIC	I	02 17 40 23.0	60.42N	149.60W	30				
NEIC	M_L3.5(PMR), M_L3.4(AEIC). Felt, After AEIC.								
NEIC	Felt at Cooper Landing, Moose Pass and Seward.								

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I 05 00 20 08.8**±.50	**60.90N**±.031	**151.50W**±.065	**84**±7.8		**67**	**0-5**
NEIC	I 05 00 20 10.4	60.89N	151.47W	64		**¶97i0600**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 05 03 03 10.1**±.61	**59.99N**±.040	**151.23W**±.062	**77**±10		**60**	**0-5**
NEIC	I 05 03 03 11.9	60.04N	151.29W	57		**¶97i0608**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 05 20 35 35.8**±.60	**60.09N**±.034	**151.90W**±.073	**85**±9.1		**63**	**0-6**
NEIC	I 05 20 35 38.0	60.13N	151.94W	60		**¶97i0709**	
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**I 08 22 18 26.5**±.88	**60.78N**±.041	**150.67W**±.076	**73**±14		**40**	**0-2**
NEIC	I 08 22 18 28.3	60.78N	150.70W	46		**¶97i1126**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 10 06 56 51.6**±.59	**59.68N**±.042	**151.94W**±.070	**78**±8.7		**59**	**0-18**
NEIC	I 10 06 56 53.6	59.73N	151.97W	57		**¶97i1325**	
NEIC	M_L3.0(AEIC), After AEIC.						
ISC	**I 15 18 06 33.3**±.23	**59.81N**±.027	**151.65W**±.041	**75**±3.3	**3.9b**	**124**	**0-84**
EIDC	I 15 18 06 34.7	59.9N	151.9W	69	3.6b	**¶97i2188**	
NEIC	I 15 18 06 35.8	59.87N	151.75W	48			
NEIC	M_L4.2(AEIC), M_L4.0(PMR). Felt, After AEIC.						
NEIC	Felt at Anchor Point, Clam Gulch, Homer, Ninilchik and Seldovia.						
ISC	**I 16 01 26 42.2**±.77	**60.99N**±.043	**151.51W**±.074	**102**±9.8		**56**	**0-4**
NEIC	I 16 01 26 45.5	60.94N	151.50W	67		**¶97i2236**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 21 09 24 47.4**±.54	**59.54N**±.035	**151.55W**±.049	**13**±4.6		**59**	**0-7**
NEIC	I 21 09 24 47.7	59.55N	151.50W	10		**¶97i3163**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 23 00 34 03.1**±.91	**59.33N**±.045	**149.68W**±.049	**19**±9.3		**74**	**1-8**
NEIC	I 23 00 34 04.4	59.33N	149.75W	14		**¶97i3413**	
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**I 24 21 52 53.4**±.55	**59.81N**±.036	**151.69W**±.064	**51**±13		**49**	**0-3**
NEIC	I 24 21 52 54.1	59.82N	151.68W	42		**¶97i3692**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**I 24 22 22 37.5**±.41	**60.78N**±.034	**148.10W**±.043	**22**±4.9		**62**	**0-6**
NEIC	I 24 22 22 38.4	60.80N	148.04W	27		**¶97i3695**	
NEIC	M_L2.9(PMR), M_L2.7(AEIC), After AEIC.						
ISC	**I 29 16 03 24.4**±.33	**60.57N**±.028	**150.71W**±.045	**63**±8.2		**81**	**0-17**
NEIC	I 29 16 03 26.0	60.60N	150.79W	41		**¶97i4374**	
NEIC	M_L3.7(PMR), M_L3.4(AEIC), After AEIC.						
ISC	**I 29 18 45 12.2**±.48	**61.00N**±.034	**150.75W**±.056	**64**±9.8		**56**	**0-5**
NEIC	I 29 18 45 13.6	61.00N	150.81W	44		**¶97i4387**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**II 06 08 24 57.9**±.40	**60.33N**±.031	**150.68W**±.049	**63**±9.3		**79**	**0-6**
NEIC	II 06 08 24 59.4	60.35N	150.77W	41		**¶97ii0812**	
NEIC	M_L3.3(PMR), M_L3.2(AEIC), After AEIC.						
ISC	**II 06 16 42 45.5**±.81	**59.17N**±.061	**151.64W**±.081	**53**±14		**49**	**0-4**
NEIC	II 06 16 42 46.7	59.22N	151.62W	47		**¶97ii0872**	
NEIC	M_L3.1(AEIC), After AEIC.						
ISC	**II 09 05 00 32.6**±.55	**60.64N**±.048	**151.8W**±.12	**94**±7.8	3.3b	**28**	**0-43**
EIDC	II 09 05 00 26.1	60.3N	151.5W	0	3.7$_L$,3.4b	**¶97ii1256**	
NEIC	II 09 05 00 34.5	60.60N	151.77W	72	2.8b		
NEIC	After AEIC.						
ISC	**II 17 21 46 36.8**±.68	**59.51N**±.043	**150.15W**±.047	**27**±6.9		**74**	**0-7**
NEIC	II 17 21 46 37.7	59.50N	150.20W	23		**¶97ii2552**	
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**II 18 08 47 44.3**±.27	**60.95N**±.031	**149.70W**±.044	**37**±12		**67**	**0-5**
NEIC	II 18 08 47 44.8	60.98N	149.74W	36		**¶97ii2620**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**II 21 05 22 04.5**±.66	**60.87N**±.037	**151.77W**±.080	**106**±8.3		**60**	**0-5**
NEIC	II 21 05 22 07.0	60.84N	151.77W	84		**¶97ii3025**	
NEIC	After AEIC.						
ISC	**II 25 13 51 15.0**±.47	**59.36N**±.041	**150.78W**±.054	**61**±11		**86**	**0-18**
NEIC	II 25 13 51 16.6	59.41N	150.91W	38		**¶97ii3630**	
NEIC	M_L3.7(PMR), M_L3.3(AEIC), After AEIC.						
ISC	**II 28 03 09 09.1**±.57	**60.15N**±.044	**151.15W**±.081	**55**±14		**36**	**0-5**
NEIC	II 28 03 09 10.3	60.19N	151.15W	41		**¶97ii4114**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**II 28 19 40 08.4**±.28	**60.52N**±.025	**150.50W**±.045	**57**±8.8		**89**	**0-17**
NEIC	II 28 19 40 09.8	60.59N	150.63W	36		**¶97ii4319**	
NEIC	M_L3.5(PMR), M_L3.3(AEIC), After AEIC.						
ISC	**III 03 21 32 27.1**±.55	**60.18N**±.030	**151.85W**±.073	**90**±8.7		**73**	**0-6**
NEIC	III 03 21 32 30.0	60.22N	151.90W	57		**¶97iii0696**	
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**III 05 01 03 17.3**±.35	**60.90N**±.028	**150.29W**±.047	**65**±8.1		**78**	**0-7**
NEIC	III 05 01 03 19.2	60.94N	150.35W	36		**¶97iii0954**	
NEIC	M_L3.0(PMR), M_L2.8(AEIC), After AEIC.						
ISC	**III 07 17 19 22.6**±.45	**60.46N**±.028	**151.87W**±.068	**98**±6.8		**82**	**0-8**
NEIC	III 07 17 19 25.0	60.46N	151.85W	73		**¶97iii1556**	
NEIC	After AEIC.						
ISC	**III 10 23 05 01.2**±.49	**60.31N**±.030	**151.99W**±.071	**105**±7.1		**79**	**0-6**
NEIC	III 10 23 05 03.7	60.32N	151.98W	83		**¶97iii2277**	
NEIC	After AEIC.						
ISC	**III 12 11 18 23**±1.0	**60.22N**±.052	**151.8W**±.11	**86**±14		**29**	**0-3**
NEIC	III 12 11 18 24.8	60.25N	151.82W	73		**¶97iii2520**	
NEIC	After AEIC.						
ISC	**III 13 17 20 21.4**±.52	**60.28N**±.031	**151.41W**±.062	**82**±9.3		**70**	**0-5**
NEIC	III 13 17 20 24.0	60.31N	151.48W	49		**¶97iii2742**	
NEIC	M_L2.7(AEIC), After AEIC.						
ISC	**III 14 18 27 02.9**±.57	**60.39N**±.054	**149.71W**±.091	**33**±6.5		**29**	**0-4**
NEIC	III 14 18 27 03.7	60.40N	149.78W	29		**¶97iii2928**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**III 27 06 14 08.9**±.67	**59.45N**±.057	**150.79W**±.072	**46**±14		**41**	**0-5**
NEIC	III 27 06 14 09.8	59.42N	150.81W	38		**¶97iii5154**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**III 31 05 43 31.2**±.63	**60.14N**±.037	**151.88W**±.073	**84**±9.5		**64**	**0-5**
NEIC	III 31 05 43 33.4	60.23N	152.00W	58		**¶97iii5850**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**IV 04 01 02 22**±1.1	**60.14N**±.082	**150.7W**±.13	**82**±16		**18**	**0-4**
NEIC	IV 04 01 02 23.8	60.20N	150.80W	54		**¶97iv0515**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**IV 06 20 48 50**±1.0	**60.69N**±.062	**149.6W**±.12	**56**±17		**17**	**0-4**
NEIC	IV 06 20 48 51.1	60.73N	149.80W	41		**¶97iv1051**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**IV 09 11 56 54.4**±.86	**59.16N**±.069	**151.44W**±.099	**83**±11		**33**	**0-7**
NEIC	IV 09 11 56 57.3	59.26N	151.47W	64		**¶97iv1513**	
NEIC	M_L2.6(AEIC), After AEIC.						
ISC	**IV 12 22 29 34.5**±.80	**60.64N**±.059	**150.9W**±.10	**81**±12		**22**	**0-17**
NEIC	IV 12 22 29 37.0	60.69N	150.94W	47		**¶97iv2144**	
NEIC	M_L3.7(PMR), M_L3.0(AEIC), After AEIC.						
ISC	**IV 21 01 09 35.0**±.38	**60.87N**±.041	**150.89W**±.069	**13**		**27**	**0-4**
NEIC	IV 21 01 09 35.5	60.87N	150.95W	13		**¶97iv3381**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**IV 21 15 11 48.9**±.42	**60.64N**±.025	**150.65W**±.046	**18**±5.7		**76**	**0-17**
NEIC	IV 21 15 11 49.1	60.67N	150.65W	11	3.2b	**¶97iv3513**	
NEIC	M_L3.7(PMR), M_L3.5(AEIC). Felt, After AEIC.						
NEIC	Felt at Anchorage.						
ISC	**IV 23 01 43 00.5**±.47	**60.61N**±.043	**151.61W**±.074	**89**±5.7	**3.5b**	**61**	**0-58**
NEIC	IV 23 01 43 02.1	60.57N	151.62W	72	3.5b	**¶97iv3870**	
EIDC	IV 23 01 43 02.8	60.8N	151.8W	90	3.3b		
NEIC	After AEIC.						
ISC	**IV 28 16 48 27.0**±.47	**60.66N**±.032	**148.27W**±.045	**27**±5.5		**66**	**0-5**
NEIC	IV 28 16 48 28.1	60.71N	148.27W	26		**¶97iv4957**	
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**IV 29 01 24 38.6**±.80	**59.68N**±.074	**150.93W**±.091	**49**±13		**25**	**0-4**
NEIC	IV 29 01 24 39.3	59.67N	150.88W	41		**¶97iv4998**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**V 01 01 58 55.9**±.45	**59.77N**±.037	**150.80W**±.050	**76**±8.3		**90**	**0-8**
NEIC	V 01 01 58 58.2	59.86N	150.89W	53		**¶97v0014**	
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**V 04 06 56 22.6**±.45	**60.47N**±.032	**149.12W**±.047	**27**±5.0		**70**	**0-7**
NEIC	V 04 06 56 23.4	60.51N	149.18W	28		**¶97v0579**	
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**V 16 18 31 50.2**±.79	**59.12N**±.058	**151.31W**±.092	**60**±14		**38**	**0-4**
NEIC	V 16 18 31 52.3	59.15N	151.41W	37		**¶97v2820**	
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**V 19 03 54 50.2**±.36	**60.59N**±.032	**150.95W**±.057	**71**±7.1	2.8b	**63**	**0-44**
EIDC	V 19 03 54 49.9	60.6N	151.5W	69	3.7$_L$,2.8b	**¶97v3190**	
NEIC	V 19 03 54 52.0	60.61N	151.02W	49			
NEIC	M_L3.6(PMR), M_L3.5(AEIC), After AEIC.						
ISC	**V 19 04 46 48.8**±.61	**60.57N**±.047	**150.92W**±.072	**75**±10		**37**	**0-6**
NEIC	V 19 04 46 50.7	60.62N	151.01W	48		**¶97v3199**	
NEIC	M_L2.9(AEIC), After AEIC.						
ISC	**V 20 16 05 23.8**±.58	**60.95N**±.039	**151.11W**±.069	**82**±9.8		**46**	**0-5**
NEIC	V 20 16 05 25.2	60.97N	151.08W	59		**¶97v3431**	
NEIC	M_L2.7(AEIC), After AEIC.						
NEIC	**V 21 21 53 12.6**	**59.83N**	**151.88W**	**60**			**1-2**
NEIC	M_L2.5(AEIC), After AEIC.					**¶97v3610**	
ISC	**VI 07 00 56 44**±2.0	**60.7N**±.20	**151.4W**±.31	**62**±57		**6**	**1-2**
NEIC	VI 07 00 56 45.9	60.69N	151.26W	56		**¶97vi1020**	
NEIC	M_L2.9(AEIC), M_L2.8(PMR), After AEIC.						
ISC	**VI 15 21 01 43.1**±.67	**59.84N**±.043	**151.94W**±.083	**94**±9.7		**57**	**0-6**
NEIC	VI 15 21 01 46.4	59.89N	152.04W	61		**¶97vi2355**	
NEIC	M_L2.5(AEIC), After AEIC.						
ISC	**VI 25 19 33 37**±1.2	**59.24N**±.074	**150.6W**±.11	**31**±12		**15**	**0-4**
NEIC	VI 25 19 33 38.6	59.29N	150.61W	19		**¶97vi4013**	
NEIC	M_L2.8(AEIC), After AEIC.						
ISC	**VI 27 13 46 23.1**±.90	**60.16N**±.066	**150.2W**±.10	**77**±18		**25**	**1-5**
NEIC	VI 27 13 46 25.2	60.22N	150.33W	51		**¶97vi4305**	
NEIC	M_L2.5(AEIC), After AEIC.						

(15) Gulf of Alaska.

ISC	**I 07 03 29 48**±1.1	**59.33N**±.094	**145.00W**±.076	**65**±18		**38**	**1-15**
NEIC	I 07 03 29 50.9	59.39N	144.90W	10	3.1b	**¶97i0875**	
NEIC	M_L3.4(AEIC), After AEIC.						
ISC	**I 07 22 16 04.7**±.53	**59.57N**±.050	**145.83W**±.051	**52**±15		**73**	**0-15**
NEIC	I 07 22 16 05.2	59.61N	145.80W	10	3.7b	**¶97i0986**	
NEIC	M_L3.8(PMR), M_L3.4(AEIC), After AEIC.						
ISC	**I 09 12 14 50**±1.3	**59.2N**±.11	**144.71W**±.086	**10**		**30**	**1-15**
NEIC	I 09 12 14 49.8	59.24N	144.71W	10	2.3b	**¶97i1213**	
NEIC	M_L2.6(AEIC).						
ISC	**I 18 18 57 35**±3.4	**59.2N**±.27	**145.4W**±.13	**10**		**21**	**1-15**
NEIC	I 18 18 57 27.6	58.61N	145.28W	10		**¶97i2705**	
NEIC	M_L2.6(AEIC), Less reliable solution.						
ISC	**I 18 22 11 04**±1.4	**59.2N**±.12	**144.99W**±.085	**65**±23		**30**	**1-4**
NEIC	I 18 22 11 02.4	59.16N	144.97W	10		**¶97i2721**	
NEIC	M_L2.4(AEIC).						
ISC	**I 19 03 50 59**±1.3	**59.1N**±.11	**144.99W**±.079	**10**		**35**	**1-15**
NEIC	I 19 03 50 59.2	59.16N	144.98W	10	2.9b	**¶97i2772**	
NEIC	M_L3.0(AEIC).						
ISC	**I 21 13 05 56**±1.1	**59.38N**±.097	**145.07W**±.076	**57**±22		**33**	**1-5**
NEIC	I 21 13 05 53.7	59.39N	145.06W	10		**¶97i3182**	
NEIC	M_L2.5(AEIC).						
ISC	**I 27 03 47 00.0**±.73	**59.61N**±.064	**146.26W**±.067	**21**±8.3		**40**	**0-5**
NEIC	I 27 03 46 59.6	59.66N	146.24W	0		**¶97i4043**	
NEIC	M_L3.4(AEIC), After AEIC.						
ISC	**I 30 05 28 21.7**±.64	**59.37N**±.029	**145.04W**±.037	**19**±4.6	**4.7b,4.9s**	**250**	**1-149**
EIDC	I 30 05 28 19.8	59.4N	144.9W	0	4.5b,3.9$_L$	**¶97i4443**	
PGC	I 30 05 28 20.3	59.2N	145.0W	10	4.7$_L$		
BJI	I 30 05 28 22.4	60.02N	145.79W	5	5.0b,5.4s		
NEIC	I 30 05 28 23.3	59.38N	145.05W	33	5.0b,4.5s		
MOS	I 30 05 28 24.0	59.3N	145.2W	33	5.4b		
PGC	Gulf of Alaska.						
NEIC	M_L4.9(AEIC), M_L4.8(PMR).						
ISC	**II 03 10 31 49**±1.1	**59.15N**±.093	**144.66W**±.075	**10**		**37**	**1-15**
NEIC	II 03 10 31 48.6	59.16N	144.66W	10	3.1b	**¶97ii0363**	
NEIC	M_L2.9(AEIC).						
ISC	**II 07 08 04 25.3**±.61	**59.21N**±.057	**145.18W**±.052	**51**±14	2.9b	**73**	**1-41**
EIDC	II 07 08 04 22.3	59.3N	145.4W	0	3.8$_L$,3.3b	**¶97ii0963**	
NEIC	II 07 08 04 22.9	59.20N	145.19W	10	3.6b		
NEIC	M_L3.9(PMR), M_L3.6(AEIC).						
ISC	**II 19 06 26 06**±2.7	**58.1N**±.22	**142.7W**±.12	**10**		**22**	**2-5**
NEIC	II 19 06 26 06.0	58.08N	142.73W	10		**¶97ii2739**	
NEIC	M_L2.5(AEIC), Less reliable solution.						
ISC	**II 21 17 13 23**±1.4	**59.02N**±.050	**145.70W**±.053	**17**±13	**3.9b**	**87**	**1-77**
NEIC	II 21 17 13 22.3	58.99N	145.72W	10		**¶97ii3099**	
EIDC	II 21 17 13 29.5	59.4N	145.5W	21	3.8b,3.6$_L$		
NEIC	M_L3.8(PMR), M_L3.6(AEIC).						
ISC	**II 23 21 49 55.4**±.95	**59.20N**±.079	**145.13W**±.085	**10**		**34**	**1-4**
NEIC	II 23 21 49 55.4	59.20N	145.09W	10		**¶97ii3378**	
NEIC	M_L2.7(AEIC).						
ISC	**II 23 22 22 28.4**±.65	**59.14N**±.061	**145.27W**±.061	**63**±13		**58**	**1-19**
EIDC	II 23 22 21 52.6	56.9N	149.5W	0	4.0$_L$,3.6b	**¶97ii3383**	
NEIC	II 23 22 22 25.8	59.10N	145.25W	10	3.1b		
NEIC	M_L3.3(PMR), M_L3.2(AEIC).						
ISC	**III 07 05 00 50.8**±.58	**57.07N**±.048	**149.67W**±.051	**10**	3.9b	**97**	**2-54**
NEIC	III 07 05 00 50.8	57.08N	149.67W	10	3.1b	**¶97iii1444**	
EIDC	III 07 05 00 59.0	57.6N	149.0W	0	3.5$_L$,3.8b		
NEIC	M_L3.7(PMR), M_L3.6(AEIC).						

ISC	**III**	**14 05 58 05**±2.9	**57.8N**±.22	**143.0W**±.13	**10**		**25**	**2-15**
NEIC	III	14 05 58 04.6	57.77N	142.96W	10			**¶97iii2819**
NEIC	M_L2.6(AEIC), Less reliable solution.							
ISC	**III**	**17 12 27 33.3**±.48	**58.77N**±.051	**142.86W**±.052	**10**		**56**	**1-8**
NEIC	III	17 12 27 33.6	58.81N	142.87W	10			**¶97iii3382**
PGC	III	17 12 27 36.2	58.9N	142.8W	10	3.1L		
NEIC	M_L2.8(AEIC).							
PGC	Gulf of Alaska.							
ISC	**IV**	**09 10 18 17**±1.4	**59.1N**±.13	**145.6W**±.11	**62**±12	3.3b	**30**	**0-41**
EIDC	IV	09 10 17 50.1	57.5N	148.9W	0	3.3b,3.0L		**¶97iv1496**
NEIC	IV	09 10 18 14.6	59.10N	145.61W	10			
NEIC	M_L2.5(AEIC).							
ISC	**IV**	**09 10 19 12**±4.6	**59.1N**±.35	**145.7W**±.17	**10**		**13**	**1-3**
NEIC	IV	09 10 19 11.4	59.10N	145.66W	10			**¶97iv1497**
NEIC	M_L2.8(AEIC), Less reliable solution.							
ISC	**IV**	**16 10 20 39.2**±.86	**59.01N**±.073	**146.00W**±.073	**96**±15		**57**	**0-8**
NEIC	IV	16 10 20 37.0	58.91N	146.09W	10			**¶97iv2740**
NEIC	M_L2.5(AEIC).							
ISC	**V**	**04 22 01 10**±2.7	**58.2N**±.22	**142.8W**±.15	**117**±38		**23**	**2-5**
								¶97v0699
ISC	**V**	**20 14 08 08**±4.5	**57.16N**±.064	**150.88W**±.064	**13**±33	3.8b	**84**	**1-46**
NEIC	V	20 14 08 07.0	57.11N	150.86W	10			**¶97v3407**
EIDC	V	20 14 08 16.1	57.5N	150.8W	40	4.0L,3.6b		
NEIC	M_L3.6(AEIC).							
ISC	**V**	**22 16 38 35.6**±.60	**58.96N**±.052	**150.85W**±.059	**20**		**54**	**1-5**
NEIC	V	22 16 38 38.3	58.97N	150.96W	20			**¶97v3801**
NEIC	M_L2.7(AEIC), After AEIC.							
ISC	**VI**	**26 01 11 23**±1.0	**57.12N**±.087	**143.1W**±.11	**10**		**22**	**3-8**
NEIC	VI	26 01 11 23.4	57.13N	143.02W	10			**¶97vi4061**
PGC	VI	26 01 11 26.1	57.2N	143.3W	10	3.6L		
NEIC	M_L3.2(AEIC), Less reliable solution.							
PGC	Gulf of Alaska.							

(16) Aleutian Islands region.

ISC	**I**	**07 00 43 00**±4.2	**52.7N**±.74	**168.5E**±.34	**33**	**3.5b**	**5**	**26-47**
EIDC	I	07 00 43 05.0	54.4N	167.7E	0	3.6b		**¶97i0859**
ISC	**II**	**04 14 03 34**±1.9	**50.4N**±.32	**165.0W**±.35	**33**	**3.6b**	**6**	**15-43**
EIDC	II	04 14 03 30.2	50.3N	165.0W	0	3.6b,3.6L		**¶97ii0538**
EIDC	**II**	**17 08 59 06.3**	**45.9N**	**168.5E**	**0**	3.4b		**25-123**
								¶97ii2468
ISC	**III**	**12 09 13 37**±1.0	**50.7N**±.17	**170.7W**±.16	**33**	**3.9b**	**11**	**4-89**
EIDC	III	12 09 13 34.1	50.7N	170.8W	0	3.9b,3.8L		**¶97iii2502**
NEIC	III	12 09 13 37.1	50.72N	170.71W	33			
NEIC	M_L4.5(PMR), Less reliable solution.							
ISC	**III**	**27 11 13 53**±1.6	**49.7N**±.37	**173.8E**±.32	**33**	**3.8b**	**8**	**23-51**
EIDC	III	27 11 13 49.8	49.5N	174.0E	0	3.6b		**¶97iii5205**
ISC	**IV**	**03 12 22 49.3**±.57	**49.96N**±.099	**175.7W**±.11	**33**	**3.9b**,3.7s	**26**	**2-90**
EIDC	IV	03 12 22 45.6	49.8N	175.9W	0	3.9b,3.7s		**¶97iv0429**
NEIC	IV	03 12 22 49.2	49.99N	175.69W	33			
NEIC	Less reliable solution.							
KRSC	**IV**	**17 12 47 24.1**	**52.87N**	**168.66E**	**51**	**4.1b**		**¶97iv2901**
ISC	**IV**	**23 02 29 57**±3.6	**51.2N**±.58	**165.2W**±.56	**33**	**3.7b**	**4**	**17-59**
EIDC	IV	23 02 29 54.6	51.3N	165.3W	0	3.7b,3.3L		**¶97iv3880**
ISC	Poorly determined							
ISC	**V**	**08 05 01 24**±1.4	**50.0N**±.16	**176.0W**±.31	**33**	**3.5b**	**6**	**2-86**
EIDC	V	08 05 01 21.1	49.9N	176.0W	0	3.5b		**¶97v1182**
NEIC	V	08 05 01 24.1	49.97N	176.00W	33			
NEIC	Less reliable solution.							
ISC	**VI**	**14 22 19 48**±4.1	**49.9N**±.28	**179.8W**±.88	**33**	**3.3b**	**6**	**3-60**
EIDC	VI	14 22 19 38.2	50.1N	178.6E	0	3.3b		**¶97vi2183**
NEIC	VI	14 22 19 47.6	49.91N	179.82W	33	3.6b		
NEIC	Poor solution.							

(17) South of Alaska.

ISC	**I**	**18 02 39 11**±4.9	**54.0N**±.12	**158.1W**±.11	**6**±26	**4.5b**	**71**	**2-121**
EIDC	I	18 02 39 14.2	54.2N	158.2W	21	4.1b,4.5L		**¶97i2584**
NEIC	I	18 02 39 14.7	54.09N	158.12W	33	4.4b		
NEIC	M_L4.3(PMR).							
ISC	**I**	**23 07 50 11.5**±.71	**53.2N**±.12	**163.0W**±.12	**33**	**4.4b**,3.6s	**76**	**3-161**
BJI	I	23 07 50 07.6	53.10N	162.90W	33	5.0b		**¶97i3463**
EIDC	I	23 07 50 07.6	53.3N	162.3W	0	4.1b,3.7s		
NEIC	I	23 07 50 10.6	53.11N	162.91W	33	4.9b		
NEIC	M_L4.6(PMR), Less reliable solution.							
ISC	**III**	**19 23 07 08**±1.8	**55.62N**±.041	**156.37W**±.049	**8**±12	**4.3b**	**147**	**2-83**
BJI	III	19 23 07 11.6	56.43N	157.55W	5	4.7b		**¶97iii3780**
NEIC	III	19 23 07 11.7	55.66N	156.41W	33	4.4b		
EIDC	III	19 23 07 14.4	55.8N	156.3W	33	3.9b,4.4L		
NEIC	M_L4.6(AEIC).							
NEIC	**IV**	**01 22 25 08.8**	**54.58N**	**159.58W**	**10**			**1-2**
NEIC	M_L3.3(AEIC), After AEIC.							**¶97iv0151**
ISC	**IV**	**04 01 10 29**±3.0	**53.8N**±.28	**162.9W**±.31	**7**		**12**	**1-2**
NEIC	IV	04 01 10 30.6	53.83N	162.88W	7			**¶97iv0518**
NEIC	M_L3.2(AEIC), After AEIC.							
NEIC	**IV**	**15 18 30 28.7**	**54.90N**	**158.74W**	**0**			**1-2**
NEIC	M_L2.8(AEIC), After AEIC.							**¶97iv2632**
EIDC	**IV**	**18 14 25 28.1**	**53.7N**	**161.7W**	**27**	3.1b,2.9L		**2-48**
								¶97iv3091
ISC	**IV**	**25 16 54 00.5**±.92	**53.93N**±.078	**162.0W**±.11	**0**	**3.7b**,3.4s	**25**	**1-80**
EIDC	IV	25 16 54 02.8	54.2N	162.5W	0	3.8b,3.7L		**¶97iv4383**
NEIC	IV	25 16 54 08.7	54.39N	162.25W	0	3.4b		
NEIC	M_L3.9(AEIC), After AEIC.							
ISC	**IV**	**28 05 31 34**±5.1	**53.7N**±.32	**163.0W**±.38	**49**±38	**3.4b**	**7**	**2-80**
EIDC	IV	28 05 31 29.2	53.5N	163.0W	0	3.6b,3.3L		**¶97iv4857**
NEIC	IV	28 05 31 32.1	53.63N	163.02W	33	3.3b		
NEIC	Poor solution.							
ISC	**V**	**19 09 15 20**±2.4	**52.76N**±.054	**163.86W**±.047	**3**±14	**4.6b,4.1s**	**145**	**2-153**
BJI	V	19 09 15 22.3	52.75N	164.40W	12	4.7b		**¶97v3232**
NEIC	V	19 09 15 24.3	52.67N	163.84W	33	4.6b,4.4s		
MOS	V	19 09 15 25.1	52.9N	163.8W	33	5.0b		
EIDC	V	19 09 15 26.2	52.7N	163.9W	36	4.3b,3.5s		
NEIC	M_L4.6(PMR), M_L4.4(AEIC), After AEIC.							

SEISMIC REGION 2.
EASTERN ALASKA TO VANCOUVER ISLAND.

(18) Southern Yukon Territory.

ISC	**II**	**14 03 51 33.7**±.88	**61.24N**±.067	**139.5W**±.14	**0**		**16**	**1-12**
NEIC	II	14 03 51 36.3	61.10N	139.77W	0			**¶97ii2021**
NEIC	M_L2.8(AEIC), After AEIC.							
ISC	**IV**	**07 15 33 00**±1.6	**63.29N**±.088	**131.1W**±.37	**0**		**5**	**3-5**
PGC	IV	07 15 33 02.3	63.3N	131.3W	0	3.2L		**¶97iv1182**
PGC	Hess Mountains, Yukon Territory							
ISC	**V**	**24 02 40 51.3**±.59	**61.52N**±.054	**140.5W**±.12	**10**		**16**	**1-7**
PGC	V	24 02 40 51.9	61.5N	140.4W	10	3.1L		**¶97v4040**
NEIC	V	24 02 40 52.3	61.48N	140.79W	0			
PGC	St. Elias Mountains, Yukon Territory							
NEIC	M_L2.8(AEIC), After AEIC.							

(19) South-Eastern Alaska.

ISC	**I**	**24 12 42 12**±2.8	**59.5N**±.12	**138.0W**±.25	**7**±18		**14**	**1-4**
NEIC	I	24 12 42 12.7	59.43N	138.21W	0			**¶97i3650**
NEIC	M_L2.7(AEIC), After AEIC.							
ISC	**II**	**06 04 40 04**±3.2	**60.1N**±.12	**139.2W**±.41	**13**±14		**13**	**0-5**
NEIC	II	06 04 40 03.9	60.07N	139.21W	0			**¶97ii0795**
NEIC	M_L2.7(AEIC), After AEIC.							
ISC	**II**	**11 09 15 50**±3.3	**58.7N**±.35	**136.0W**±.97	**1**		**10**	**2-4**
NEIC	II	11 09 15 53.5	58.61N	136.31W	1			**¶97ii1612**
NEIC	M_L3.0(AEIC), After AEIC.							
ISC	**II**	**12 22 05 16**±1.7	**59.94N**±.091	**139.3W**±.20	**13**±8.7		**36**	**0-6**
NEIC	II	12 22 05 15.9	59.97N	139.21W	0			**¶97ii1824**
NEIC	M_L3.7(AEIC), After AEIC.							
ISC	**II**	**18 09 21 49.5**±.90	**60.00N**±.081	**140.9W**±.10	**13**±7.4		**19**	**0-4**
NEIC	II	18 09 21 49.2	59.96N	140.94W	6			**¶97ii2622**
NEIC	M_L2.8(AEIC), After AEIC.							
ISC	**II**	**20 18 16 53**±3.0	**55.0N**±.14	**134.6W**±.73	**10**		**5**	**2-6**
PGC	II	20 18 16 54.7	55.0N	134.5W	10	3.5L		**¶97ii2958**
ISC	Poorly determined							
PGC	Coast of southeastern Alaska.							
ISC	**II**	**22 18 31 19.0**±.87	**60.25N**±.074	**141.7W**±.10	**14**±7.4		**18**	**0-4**
NEIC	II	22 18 31 19.1	60.28N	141.62W	8			**¶97ii3229**
NEIC	M_L2.5(AEIC), After AEIC.							
ISC	**II**	**24 01 04 51**±1.4	**58.80N**±.043	**136.28W**±.068	**15**±12	**4.2b**	**95**	**2-102**
NEIC	II	24 01 04 50.4	58.81N	136.23W	10	4.5b		**¶97ii3397**
EIDC	II	24 01 04 50.7	58.9N	136.1W	0	3.8b,3.7L		
PGC	II	24 01 04 51.9	58.8N	136.1W	10	4.4L		
NEIC	M_L4.5(PMR), M_L4.2(AEIC)							
NEIC	Felt I=IV MM Juneau (after SIT)							
PGC	Glacier Bay. Felt at Gustavus and Haines, Alaska.							
PGC	**III**	**02 05 27 24.7**	**59.1N**	**136.8W**	**10**	**3.1L**		**¶97iii0249**
PGC	Glacier Bay, Alaska. Double event. Second quake is about 15 seconds later.							
ISC	**III**	**11 20 01 36**±1.3	**59.99N**±.086	**141.3W**±.12	**12**±11		**15**	**0-3**
NEIC	III	11 20 01 36.5	60.02N	141.26W	6			**¶97iii2438**
NEIC	M_L2.5(AEIC), After AEIC.							
ISC	**III**	**15 03 27 11**±4.4	**59.7N**±.27	**137.8W**±.61	**0**		**5**	**1-12**
PGC	III	15 03 27 12.2	59.7N	138.0W	0	3.3L		**¶97iii2988**
PGC	St. Elias Mountains, British Columbia							
PGC	**IV**	**04 16 09 16.6**	**58.6N**	**138.8W**	**0**	**3.0L**		**¶97iv0632**
PGC	Coast of southeastern Alaska.							
ISC	**IV**	**25 18 18 26**±2.2	**58.4N**±.14	**137.1W**±.37	**5**		**6**	**2-13**
PGC	IV	25 18 18 27.4	58.4N	137.0W	5	3.6L		**¶97iv4392**
PGC	Southeastern Alaska.							
ISC	**V**	**13 20 39 44.8**±.85	**60.06N**±.056	**141.26W**±.076	**10**±7.5		**34**	**0-8**
NEIC	V	13 20 39 45.2	60.17N	141.13W	1			**¶97v2321**
PGC	V	13 20 39 45.4	60.1N	141.3W	5	3.5L		
NEIC	M_L3.6(PMR), M_L3.4(AEIC), After AEIC.							
PGC	Chugach Mountains, Alaska.							
ISC	**V**	**14 06 32 04.6**±.83	**60.14N**±.050	**141.16W**±.068	**3**±7.6	2.7b	**38**	**0-98**
EIDC	V	14 06 31 57.3	59.5N	141.8W	0	3.4L,2.9b		**¶97v2399**
NEIC	V	14 06 32 03.3	60.08N	141.13W	0			
PGC	V	14 06 32 06.2	60.1N	141.2W	10	3.5L		
NEIC	M_L3.5(PMR), M_L3.3(AEIC), After AEIC.							
PGC	Near Icy Bay, Alaska.							
ISC	**V**	**21 16 22 17**±5.0	**59.0N**±.34	**137.5W**±.60	**0**		**5**	**2-12**
PGC	V	21 16 22 20.0	59.2N	137.4W	0	3.6L		**¶97v3580**
PGC	St. Elias Mountains, British Columbia							
ISC	**VI**	**03 11 36 47.2**±.93	**59.96N**±.079	**139.4W**±.13	**24**±8.0		**23**	**0-12**
								¶97vi0442
ISC	**VI**	**09 09 11 31**±1.0	**60.07N**±.056	**140.78W**±.072	**12**±8.7		**35**	**0-9**
PGC	VI	09 09 11 31.6	60.0N	140.7W	10	3.2L		**¶97vi1368**
NEIC	VI	09 09 11 32.0	60.15N	140.66W	10			
PGC	Southeastern Alaska.							
NEIC	M_L3.1(AEIC), After AEIC.							
ISC	**VI**	**13 12 53 55**±5.4	**59.0N**±.37	**137.4W**±.65	**10**		**4**	**2-12**
PGC	VI	13 12 53 59.3	59.2N	136.8W	10	3.4L		**¶97vi1990**
ISC	Poorly determined							
PGC	St. Elias Mountains, British Columbia							
ISC	**VI**	**17 16 26 42.3**±.77	**58.86N**±.083	**136.5W**±.12	**0**		**16**	**2-7**
PGC	VI	17 16 26 43.8	58.9N	136.3W	0	3.7L		**¶97vi2662**
NEIC	VI	17 16 26 44.2	58.96N	136.24W	0			
PGC	Glacier Bay, Alaska.							
NEIC	M_L3.5(AEIC), After AEIC.							
PGC	**VI**	**21 15 41 25.0**	**58.8N**	**136.1W**	**10**	**3.3L**		**¶97vi3240**
PGC	Glacier Bay, Alaska.							
ISC	**VI**	**21 16 16 42**±3.9	**58.5N**±.40	**133.3W**±.48	**5**		**4**	**2-10**
PGC	VI	21 16 16 42.1	58.4N	133.4W	5	3.0L		**¶97vi3242**
ISC	Poorly determined							
PGC	Near Mt. Ogden, British Columbia − Alaska border.							
ISC	**VI**	**23 00 52 37.5**±.89	**58.29N**±.084	**133.3W**±.16	**0**	2.5b	**9**	**2-21**
EIDC	VI	23 00 52 38.2	58.1N	133.5W	0	3.2L,2.5b		**¶97vi3466**
PGC	VI	23 00 52 41.2	58.4N	133.4W	0	3.3L		
PGC	Near Mt. Ogden, British Columbia − Alaska border.							
ISC	**VI**	**23 23 54 22**±4.2	**58.4N**±.41	**133.4W**±.49	**5**		**4**	**2-10**
PGC	VI	23 23 54 21.1	58.3N	133.5W	5	3.1L		**¶97vi3609**
ISC	Poorly determined							
PGC	Near Mt. Ogden, British Columbia − Alaska border.							
ISC	**VI**	**25 04 47 32**±3.7	**58.5N**±.37	**133.3W**±.45	**5**		**7**	**2-18**
PGC	VI	25 04 47 30.4	58.2N	133.6W	5	3.2L		**¶97vi3849**
PGC	Near Mt. Ogden, British Columbia − Alaska border.							
PGC	**VI**	**25 15 50 05.4**	**58.2N**	**133.6W**	**5**	**3.2L**		**¶97vi3979**
PGC	Near Mt. Ogden, British Columbia − Alaska border.							
PGC	**VI**	**25 20 02 02.9**	**58.2N**	**133.6W**	**5**	**3.1L**		**¶97vi4019**
PGC	Near Mt. Ogden, British Columbia − Alaska border.							
ISC	**VI**	**27 07 10 59.4**±.94	**60.13N**±.060	**141.01W**±.081	**13**±8.2		**28**	**0-9**
NEIC	VI	27 07 10 59.5	60.16N	140.99W	7			**¶97vi4252**
PGC	VI	27 07 11 00.1	60.2N	141.0W	10	3.2L		
NEIC	M_L3.0(AEIC), After AEIC.							
PGC	Southeastern Alaska.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °

(20) Off coast of South-Eastern Alaska.

ISC	**I**	**11 04 50 11**±2.0	**57.4N**±.11	**138.1W**±.42	**1**		**6**	**3-7**
PGC	I	11 04 50 15.5	57.5N	138.0W	1	3.3L		**¶97i1465**
PGC	Off coast of southeastern Alaska.							
ISC	**I**	**27 11 58 55**±4.2	**58.8N**±.33	**141.3W**±.14	**10**		**16**	**1-4**
NEIC	I	27 11 58 54.3	58.72N	141.36W	10			**¶97i4082**
NEIC	M_L3.2(AEIC), Less reliable solution.							
ISC	**III**	**09 11 03 04.5**±.61	**56.55N**±.059	**136.25W**±.082	**10**		**45**	**1-13**
NEIC	III	09 11 03 04.5	56.57N	136.22W	10			**¶97iii1944**
PGC	III	09 11 03 07.5	56.6N	136.0W	10	3.8L		
NEIC	$M_{L3.7}$(AEIC).							
PGC	Coast of southeastern Alaska.							
ISC	**IV**	**18 19 42 05**±1.9	**55.6N**±.11	**135.2W**±.47	**0**		**5**	**3-5**
PGC	IV	18 19 42 06.5	55.5N	135.3W	0	3.3L		**¶97iv3111**
PGC	Coast of southeastern Alaska.							

(22) Queen Charlotte Islands region.

ISC	**I**	**07 11 27 41**±2.3	**51.0N**±.20	**130.8W**±.27	**10**		**8**	**2-14**
PGC	I	07 11 27 42.4	51.0N	130.7W	10	3.5L		**¶97i0912**
PGC	West of Vancouver Island, British Columbia							
ISC	**II**	**05 19 27 24.7**±.36	**51.87N**±.048	**130.95W**±.095	**10**	**4.2b**	**64**	**1-87**
EIDC	II	05 19 27 24.2	51.8N	131.2W	0	4.0b,4.0L		**¶97ii0738**
PGC	II	05 19 27 24.6	51.7N	131.4W	11	4.3L		
NEIC	II	05 19 27 24.7	51.84N	131.04W	10	4.6b		
PGC	South of Moresby Island, British Columbia							
ISC	**II**	**05 19 29 04.3**±.21	**51.74N**±.034	**131.12W**±.061	**10**	**4.6b,4.8s**	**177**	**1-151**
BJI	II	05 19 29 02.5	51.80N	131.10W	10	4.9b,5.3s		**¶97ii0739**
MOS	II	05 19 29 03.6	51.7N	131.2W	10	5.2b,4.8s		
EIDC	II	05 19 29 03.6	51.7N	131.5W	0	4.4b,4.9L		
NEIC	II	05 19 29 04.1	51.78N	131.07W	10	5.0b,4.7s		
PGC	II	05 19 29 05.4	51.6N	131.5W	29	5.3b		
HRVD	II	05 19 29 06.8±.8	51.46N±.09	131.17W±.12	15			
NEIC	Mw5.2(HRV).							
PGC	South of Moresby Island, British Columbia							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c26; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.67±.39; $M_{\theta\theta}$−2.08±.45; $M_{\phi\phi}$3.75±.55; $M_{r\theta}$1.84±1.26; $M_{r\phi}$−1.65±1.84; $M_{\theta\phi}$6.14±.41. Principal Axes: T 7.66,Plg3°,Azm122°; N −0.58,Plg66°,Azm26°; P −7.07,Plg24°,Azm213°. Best double couple: $M_0$7.4×10^{16}Nm, NP1: ϕ_s255°,δ71°,λ−16°. NP2:ϕ_s350°,δ75°,λ−160°.							
ISC	**II**	**06 12 43 18**±1.2	**51.8N**±.10	**130.8W**±.21	**10**	**3.7b**	**14**	**2-56**
NEIC	II	06 12 43 16.1	51.76N	130.97W	10	3.9b		**¶97ii0839**
EIDC	II	06 12 43 18.1	51.6N	130.6W	0	3.4L,3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**06 12 45 40**±3.3	**51.8N**±.17	**130.9W**±.29	**38**±32	**3.4b**	**12**	**2-30**
EIDC	II	06 12 45 35.7	51.6N	131.1W	0	3.6L,3.5b		**¶97ii0840**
NEIC	II	06 12 45 36.1	51.66N	131.13W	10	4.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**05 12 56 58**±1.2	**53.91N**±.065	**132.1W**±.30	**10**		**9**	**1-13**
PGC	IV	05 12 56 57.3	54.0N	132.5W	10	3.7L		**¶97iv0771**
PGC	Northern Graham Island, British Columbia. Felt strongly at a logging camp on the northwest shore of Eden Lake. Unlocated aftershocks at 13:57 and 13:59.							
ISC	**IV**	**13 20 25 58.8**±.33	**51.61N**±.038	**130.82W**±.072	**10**	**4.2b**	**127**	**1-87**
PGC	IV	13 20 25 57.1	51.3N	131.2W	10	4.0L		**¶97iv2295**
NEIC	IV	13 20 25 58.6	51.63N	130.81W	10	4.3b		
EIDC	IV	13 20 26 03.1	51.7N	130.4W	0	4.1L,4.0b		
PGC	South of Moresby Island, British Columbia							
NEIC	$M_{L4.0}$(PGC).							
PGC	**VI**	**09 15 38 39.2**	**51.2N**	**131.0W**	**10**	**3.0L**		**¶97vi1415**
PGC	South of Moresby Island, British Columbia							

(23) British Columbia.

ISC	**I**	**12 06 01 07.6**±.39	**49.60N**±.038	**120.48W**±.048	**10**	3.6b	**42**	**1-24**
EIDC	I	12 06 01 03.2	49.8N	121.5W	0	3.7L,3.7b		**¶97i1632**
NEIC	I	12 06 01 08.0	49.60N	120.50W	5			
PGC	I	12 06 01 08.3	49.6N	120.5W	10	3.5L		
NEIC	M_D4.1(SEA), M_L3.5(PGC). Felt, After PGC.							
PGC	Felt. Southern British Columbia.Felt I=IV MM in Princeton, Merritt, Penticton, Kelowna, Peachland,and Oliver. In Vernon dishes rattled, in Merritt it was described as a muffled explosion.							
ISC	**I**	**16 22 12 30**±2.6	**49.7N**±.18	**114.6W**±.53	**0**		**8**	**4-13**
								¶97i2367
ISC	**III**	**03 07 15 04.9**±.85	**49.63N**±.069	**119.5W**±.11	**5**		**24**	**0-4**
NEIC	III	03 07 15 04.7	49.70N	119.68W	5			**¶97iii0507**
NEIC	M_L2.7(PGC), M_D2.7(SEA). Felt, After PGC.							
NEIC	Felt in the Kelowna-Penticton area.							

(24) Alberta.

EIDC	**I**	**23 23 11 43.3**	**50.3N**	**114.4W**	**0**	3.6L,3.0b		**8-22**
								¶97i3564
ISC	**II**	**07 21 16 41**±2.7	**50.0N**±.18	**114.4W**±.54	**0**		**12**	**4-12**
								¶97ii1042
ISC	**III**	**31 02 01 38.7**±.44	**52.87N**±.039	**115.91W**±.086	**0**	**3.8b**	**46**	**2-27**
EIDC	III	31 02 01 41.7	53.0N	115.6W	0	3.8L,3.7b		**¶97iii5831**
NEIC	III	31 02 01 42.6	52.76N	116.17W	0	4.1b		
PGC	III	31 02 01 42.7	52.8N	116.2W	0	4.0b		
NEIC	M_L4.2(PGC), After PGC.							
PGC	Southeast of Jasper, Alberta.							
ISC	**V**	**01 21 38 35**±1.0	**49.07N**±.075	**112.8W**±.12	**5**		**18**	**2-13**
NEIC	V	01 21 38 36.0	49.13N	112.65W	5			**¶97v0162**
NEIC	M_L3.8(BUT), M_L3.5(PGC), After PGC.							
ISC	**V**	**23 02 44 52.6**±.91	**52.14N**±.090	**115.2W**±.15	**0**		**9**	**2-14**
PGC	V	23 02 44 52.7	52.2N	115.2W	0	3.0b		**¶97v3870**
PGC	Near Rocky Mountain House, Alberta.							
ISC	**VI**	**10 18 08 20.5**±.47	**52.76N**±.043	**115.98W**±.091	**0**	**3.6b**	**41**	**2-62**
EIDC	VI	10 18 08 22.8	53.0N	115.5W	0	3.9L,3.6b		**¶97vi1558**
PGC	VI	10 18 08 23.5	52.8N	116.2W	0	3.6b		
NEIC	VI	10 18 08 23.6	52.78N	116.17W	0	3.7b		
PGC	East of Jasper, Alberta.							
NEIC	M_L4.0(PGC), After PGC.							

(25) Vancouver Island region.

ISC	**I**	**11 17 30 55**±5.5	**48.9N**±.34	**128.2W**±.47	**10**		**13**	**1-4**
PGC	I	11 17 30 57.2	48.9N	128.2W	10	3.2L		**¶97i1552**
PGC	West of Vancouver Island, British Columbia							
ISC	**II**	**26 21 21 51.6**±.81	**50.69N**±.077	**129.5W**±.15	**10**	**3.7b**	**29**	**2-29**
NEIC	II	26 21 21 51.3	50.65N	129.55W	10			**¶97ii3854**
EIDC	II	26 21 21 52.2	50.7N	129.6W	0	3.5L,3.8b		
ISC	**III**	**27 13 48 16**±2.3	**49.1N**±.16	**128.8W**±.26	**10**	3.5b	**9**	**2-21**
PGC	III	27 13 48 07.1	48.3N	129.1W	10	3.3L		**¶97iii5239**
EIDC	III	27 13 48 14.1	48.9N	129.3W	0	3.3L,3.5b		
PGC	West of Vancouver Island, British Columbia							
ISC	**III**	**27 14 31 10**±1.9	**48.51N**±.083	**128.9W**±.28	**10**	3.2b,2.9s	**12**	**2-27**
EIDC	III	27 14 31 05.5	48.5N	129.6W	0	3.3L,3.3b		**¶97iii5244**
PGC	III	27 14 31 09.8	48.3N	128.9W	10	3.3L		
PGC	West of Vancouver Island, British Columbia							
ISC	**III**	**27 20 06 22**±8.9	**48.5N**±.53	**128.5W**±.70	**10**		**10**	**2-16**
PGC	III	27 20 06 18.4	48.3N	129.0W	10	3.3L		**¶97iii5299**
PGC	West of Vancouver Island, British Columbia							
ISC	**III**	**28 23 06 09**±5.8	**48.6N**±.32	**128.5W**±.51	**10**		**15**	**2-16**
PGC	III	28 23 06 07.7	48.5N	128.8W	10	3.2L		**¶97iii5501**
PGC	West of Vancouver Island, British Columbia							
ISC	**III**	**29 01 19 30**±2.9	**49.7N**±.16	**127.5W**±.26	**26**±16		**11**	**0-3**
PGC	III	29 01 19 29.5	49.6N	127.7W	10	3.0L		**¶97iii5515**
PGC	Southwest of Nootka Island, British Columbia							
ISC	**III**	**29 05 45 47**±2.4	**50.65N**±.061	**129.6W**±.16	**24**±17	**3.7b**,3.2s	**61**	**1-67**
PGC	III	29 05 45 42.3	50.5N	130.2W	10	3.8L		**¶97iii5544**
NEIC	III	29 05 45 45.7	50.74N	129.49W	10			
EIDC	III	29 05 45 50.2	50.8N	129.6W	29	3.6b,3.7L		
PGC	West of Vancouver Island, British Columbia							
ISC	**III**	**30 06 50 46**±2.1	**50.77N**±.064	**129.4W**±.15	**26**±17	**3.9b**	**70**	**1-33**
PGC	III	30 06 50 40.4	50.5N	130.2W	10	3.9L		**¶97iii5713**
NEIC	III	30 06 50 44.9	50.81N	129.31W	10	4.1b		
EIDC	III	30 06 50 47.9	50.8N	129.6W	23	3.4L,3.7b		
PGC	West of Vancouver Island, British Columbia							
ISC	**IV**	**10 06 11 14**±7.1	**48.9N**±.38	**128.9W**±.61	**10**		**11**	**1-4**
PGC	IV	10 06 11 14.8	48.9N	129.0W	10	3.0L		**¶97iv1641**
PGC	West of Vancouver Island, British Columbia							
ISC	**IV**	**14 10 21 21**±2.0	**51.0N**±.14	**128.7W**±.28	**10**		**6**	**1-21**
NEIC	IV	14 10 21 20.2	50.93N	128.77W	10			**¶97iv2440**
EIDC	IV	14 10 21 21.0	50.9N	128.8W	0	3.2L,3.6b		
NEIC	Single network solution.							
ISC	**IV**	**20 14 12 26**±3.7	**49.5N**±.22	**129.3W**±.38	**51**±30	3.5b	**9**	**3-27**
EIDC	IV	20 14 12 19.9	49.3N	129.6W	0	3.7L,3.6b		**¶97iv3325**
NEIC	IV	20 14 12 21.2	49.44N	129.43W	10	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 13 37 17**±1.8	**50.4N**±.13	**130.5W**±.22	**10**		**17**	**2-15**
PGC	IV	21 13 37 20.8	50.5N	130.3W	10	3.3L		**¶97iv3488**
PGC	West of Vancouver Island, British Columbia							
ISC	**V**	**21 11 08 09**±5.6	**49.0N**±.26	**129.2W**±.56	**10**		**16**	**2-4**
PGC	V	21 11 08 08.7	48.9N	129.4W	10	3.2L		**¶97v3554**
PGC	West of Vancouver Island, British Columbia							
ISC	**VI**	**03 10 48 39**±6.5	**49.0N**±.37	**128.3W**±.56	**10**		**10**	**1-16**
PGC	VI	03 10 48 37.5	48.8N	128.7W	10	3.1L		**¶97vi0433**
PGC	Southwest of Nootka Island, British Columbia							
ISC	**VI**	**13 13 44 36.4**±.64	**49.26N**±.035	**123.64W**±.044	**12**±6.6		**52**	**0-4**
NEIC	VI	13 13 44 37.3	49.24N	123.62W	4			**¶97vi1997**
PGC	VI	13 13 44 37.3	49.2N	123.6W	3	3.4L		
PGC	Strait of Georgia, British Columbia. Felt I=III−IV along the Sunshine Coast north of Vancouver and in the Ladysmith − Chemainus area on eastern Vancouver Island. Also felt throughout the greater Vancouver area and from Parksville to Victoria on Vancouver Island. There have been no reports of damage.							
ISC	**VI**	**24 14 40 58.2**±.72	**49.28N**±.022	**123.66W**±.035	**13**±5.4	**4.3b**	**120**	**0-149**
EIDC	VI	24 14 40 59.1	49.5N	123.5W	0	4.1b,3.8L		**¶97vi3731**
NEIC	VI	24 14 40 59.2	49.24N	123.62W	3	4.4b		
PGC	VI	24 14 40 59.2	49.2N	123.6W	3	4.6L		
MOS	VI	24 14 40 59.5	49.7N	123.2W	10	4.0b		
NEIC	M_L4.6(PGC). Felt I=IV MM, After PGC.							
NEIC	Felt I=IV MM along the coast northwest of Vancouver and in the Ladysmith-Nanaimo area along the east coast of Vancouver Island. Felt from Campbell River to Victoria on Vancouver Island, in the greater Vancouver area and in the Fraser Valley as far east as Abbotsford. Also felt in the Port Angeles, Washington area.							
PGC	Strait of Georgia, British Columbia. Felt I=IV on the Sunshine Coast north of Vancouver and on the east coast of Vancouver Island in the Nanaimo − Ladysmith area. Generally felt from Campbell River to Victoria on Vancouver Island, in the greater Vancouver area and in the Fraser Valley at least as far east as Abbotsford. There have been 2 reports of minor damage; glass breakage in Vancouver and a broken water pipe in North Vancouver. In addition, power was lost in parts of Sechelt and Port Alberni as a result of BC Hydro substation motion switches being tripped. This follows a magnitude 3.4 earthquake in the same location on June 13, 1997.							
ISC	**VI**	**29 23 16 04**±6.7	**48.8N**±.35	**129.0W**±.64	**10**		**16**	**2-16**
PGC	VI	29 23 16 05.5	48.8N	129.0W	10	3.2L		**¶97vi4681**
PGC	West of Vancouver Island, British Columbia							

(26) Off coast of Washington.

ISC	**III**	**02 11 46 56**±7.5	**47.8N**±.46	**128.3W**±.54	**10**		**13**	**2-17**
PGC	III	02 11 46 50.6	47.4N	128.9W	10	3.2L		**¶97iii0301**
PGC	Southwest of Vancouver Island, British Columbia							
ISC	**III**	**02 16 26 24**±7.7	**47.7N**±.47	**128.4W**±.55	**10**		**13**	**3-17**
PGC	III	02 16 26 19.8	47.4N	128.9W	10	3.1L		**¶97iii0352**
PGC	Southwest of Vancouver Island, British Columbia							
ISC	**IV**	**16 20 09 59**±1.4	**47.56N**±.093	**129.1W**±.15	**10**	2.9b	**18**	**3-27**
NEIC	IV	16 20 09 58.2	47.47N	129.23W	10	3.7b		**¶97iv2808**
EIDC	IV	16 20 09 59.3	47.5N	129.2W	0	3.9L,3.0b		
PGC	IV	16 20 10 00.0	47.4N	129.0W	10	3.3L		
NEIC	Less reliable solution.							
PGC	Off coast of Washington.							
ISC	**IV**	**20 01 32 10**±8.8	**47.7N**±.54	**128.5W**±.63	**10**		**10**	**2-17**
PGC	IV	20 01 32 07.1	47.5N	128.9W	10	3.0L		**¶97iv3259**
PGC	Off coast of Washington.							

(28) Washington-Oregon border region.

ISC	**III**	**22 05 55 27**±1.0	**45.20N**±.055	**120.06W**±.073	**7**±7.0		**30**	**0-3**
NEIC	III	22 05 55 26.4	45.20N	120.07W	1			**¶97iii4210**
NEIC	M_D2.7(SEA), After SEA.							
ISC	**III**	**22 06 05 34.8**±.83	**45.20N**±.031	**120.03W**±.045	**6**±6.8	3.2b	**43**	**0-25**
NEIC	III	22 06 05 34.9	45.19N	120.07W	1			**¶97iii4211**
EIDC	III	22 06 05 35.1	45.3N	120.5W	0	3.5L,2.8b		
NEIC	M_D3.9(SEA), After SEA.							
ISC	**III**	**23 04 39 51**±1.1	**45.19N**±.057	**120.04W**±.076	**7**±7.1		**26**	**0-3**
NEIC	III	23 04 39 51.5	45.20N	120.07W	1			**¶97iii4391**
NEIC	M_D3.4(SEA), After SEA.							

ISC	**III**	**28 07 28 02.0**±.89	**45.20N**±.042	**120.06W**±.059	**7**±6.8			**36**	**0-4**
NEIC	III	28 07 28 02.0	45.20N	120.06W	2				**¶97iii5378**
NEIC	M_D2.6(SEA), After SEA.								
ISC	**IV**	**17 17 30 36.8**±.82	**45.20N**±.037	**120.07W**±.054	**3**±6.6			**47**	**0-3**
NEIC	IV	17 17 30 37.0	45.19N	120.08W	2				**¶97iv2942**
NEIC	M_D3.2(SEA), After SEA.								
ISC	**V**	**13 14 01 45**±1.1	**45.52N**±.051	**119.58W**±.088	**5**±8.4			**30**	**0-2**
									¶97v2265

(29) Washington State.

ISC	**I**	**01 22 27 01.1**±.31	**46.77N**±.032	**120.42W**±.033	**25**±4.4			**53**	**0-7**
NEIC	I	01 22 27 01.1	46.77N	120.46W	19				**¶97i0129**
NEIC	M_D3.7(SEA), After SEA.								
ISC	**II**	**10 04 26 57.2**±.46	**47.55N**±.025	**122.30W**±.040	**14**±4.5	**3.6b**		**51**	**0-64**
NEIC	II	10 04 26 57.6	47.55N	122.30W	0				**¶97ii1409**
EIDC	II	10 04 27 15.9	49.0N	121.7W	0	3.5b,2.8L			
NEIC	M_D3.5(SEA). Felt, After SEA.								
NEIC	Felt in the Seattle area.								
ISC	**II**	**14 00 42 13.1**±.43	**46.71N**±.025	**121.12W**±.027	**5**±4.6			**60**	**0-2**
NEIC	II	14 00 42 13.9	46.71N	121.13W	3				**¶97ii1999**
NEIC	$M_{D2.7}$(SEA)								
ISC	**IV**	**16 04 35 50.1**±.35	**46.44N**±.021	**122.37W**±.036	**12**±3.2			**79**	**0-3**
NEIC	IV	16 04 35 50.4	46.43N	122.33W	15				**¶97iv2690**
NEIC	M_D2.6(SEA), After SEA.								
ISC	**IV**	**28 20 09 29**±1.1	**46.73N**±.091	**122.8W**±.15	**33**			**7**	**0-10**
									¶97iv4974
ISC	**V**	**03 23 49 44.3**±.68	**48.48N**±.030	**121.72W**±.041	**3**±5.9			**50**	**0-4**
NEIC	V	03 23 49 44.8	48.50N	121.71W	0				**¶97v0521**
PGC	V	03 23 49 45.2	48.5N	121.7W	0	3.0L			
NEIC	M_D3.1(SEA), After SEA.								
PGC	Near Concrete, Washington.								
ISC	**V**	**18 08 28 06.7**±.51	**48.70N**±.025	**122.42W**±.035	**5**±4.7			**76**	**0-4**
PGC	V	18 08 28 07.8	48.7N	122.4W	0	3.0L			**¶97v3053**
NEIC	V	18 08 28 08.1	48.67N	122.36W	13				
PGC	Near Bellingham, Washington.Felt.								
NEIC	M_D3.2(SEA). Felt, After SEA.								
ISC	**V**	**27 14 14 38.4**±.81	**46.86N**±.081	**119.4W**±.10	**2**			**7**	**1-3**
NEIC	V	27 14 14 39.0	46.83N	119.36W	2				**¶97v4581**
NEIC	M_D3.3(SEA), After SEA.								
ISC	**VI**	**12 15 28 51.5**±.78	**48.26N**±.045	**122.20W**±.056	**14**±7.5			**26**	**0-2**
NEIC	VI	12 15 28 52.1	48.27N	122.17W	16				**¶97vi1865**
NEIC	M_D2.7(SEA), After SEA.								
ISC	**VI**	**14 20 18 07.4**±.87	**48.11N**±.056	**121.7W**±.11	**12**±8.1			**12**	**0-3**
NEIC	VI	14 20 18 07.5	48.12N	121.59W	8				**¶97vi2169**
NEIC	M_D2.7(SEA). Felt, After SEA.								
NEIC	Felt in the Darrington area.								
ISC	**VI**	**23 19 13 25.9**±.39	**47.62N**±.016	**122.55W**±.027	**7**±2.8	**4.9b,4.1s**		**214**	**0-160**
MOS	VI	23 19 13 26.1	47.6N	122.6W	10	5.2b			**¶97vi3579**
BJI	VI	23 19 13 26.1	47.91N	122.96W	5				
NEIC	VI	23 19 13 27.0	47.60N	122.57W	7	5.0b			
PGC	VI	23 19 13 27.2	47.6N	122.6W	5	4.4L			
EIDC	VI	23 19 13 29.7	47.9N	122.2W	14	4.3b,3.9L			
NEIC	M_D4.9(SEA). Damage I=VI MM, After SEA.								
NEIC	Slight damage I=VI MM at Bremerton and Poulsbo. Felt V MM at Gig Harbor, Port Gamble, Tracyton and on Bainbridge Island; IV MM at Allyn, Indianola, Kent, Keyport, Kirkland, Manchester, Mercer Island, Mountlake Terrace, Olalla, Orting, Port Orchard, Quilcene, Seabeck, SeaTac Airport, Seattle, Shelton, South Colby, Southworth and Vashon. Felt throughout the Puget Sound area from Mount Vernon to Olympia.								
PGC	Near Bremerton, Washington. Preliminary reports of minor damage. Felt mildly in Victoria, British Columbia								
ISC	**VI**	**23 19 16 32**±1.6	**47.58N**±.097	**122.5W**±.20	**14**±19			**5**	**0-1**
NEIC	VI	23 19 16 31.8	47.58N	122.52W	5				**¶97vi3580**
ISC	Poorly determined								
NEIC	M_D2.0(SEA), Less reliable solution.								
ISC	**VI**	**23 19 18 59**±1.2	**47.6N**±.10	**122.6W**±.16	**17**±20			**5**	**0-1**
NEIC	VI	23 19 18 58.4	47.59N	122.55W	5				**¶97vi3581**
ISC	Poorly determined								
NEIC	M_D1.4(SEA), Less reliable solution.								
ISC	**VI**	**23 19 30 09.0**±.43	**47.59N**±.026	**122.61W**±.042	**8**±4.8			**49**	**0-3**
NEIC	VI	23 19 30 09.5	47.60N	122.56W	2				**¶97vi3582**
NEIC	M_D2.6(SEA), After SEA.								
ISC	**VI**	**23 21 46 24**±1.3	**47.60N**±.076	**122.6W**±.17	**13**±14			**8**	**0-3**
NEIC	VI	23 21 46 23.3	47.58N	122.55W	5				**¶97vi3595**
NEIC	$M_{D3.1}$(SEA).								
ISC	**VI**	**24 14 23 11.6**±.75	**48.41N**±.026	**119.78W**±.033	**6**±5.8	4.2b		**79**	**0-26**
NEIC	VI	24 14 23 12.9	48.38N	119.89W	8	3.9b			**¶97vi3725**
PGC	VI	24 14 23 13.2	48.4N	119.9W	5	4.1L			
NEIC	M_D4.6(SEA). Felt I=V MM, After SEA.								
NEIC	Felt I=V MM at Conconully, Malott, Manson, Riverside, Tonasket and Winthrop; IV MM at Brewster, Bridgeport, Carlton, Colville Indian Reservation, Curlew, Electric City, Entiat, Grand Coulee, Keller, Methow, Nespelem, Northport, Okanogan, Republic, Twisp and Wilson Creek. Felt throughout a large area of north-central Washington and at Kamloops, Penticton and Trail, British Columbia, Canada.								
PGC	Eastern Washington. Felt at Chelan, Grand Coulee, Okanogan and Republic, Washington. Felt throughout south−central British Columbia including Osoyoos,Penticton, Kelowna, Vernon, Princeton, Kamloops, Grand ForksTrail and Castlegar. There have been no reports of damage.								
ISC	**VI**	**24 14 36 01.0**±.47	**48.41N**±.035	**119.84W**±.055	**4**			**38**	**0-6**
NEIC	VI	24 14 36 02.3	48.36N	119.89W	4				**¶97vi3729**
NEIC	M_D3.6(SEA), After SEA.								
ISC	**VI**	**24 20 40 10.0**±.92	**47.60N**±.075	**122.6W**±.14	**16**±16			**8**	**0-3**
NEIC	VI	24 20 40 11.0	47.58N	122.55W	8				**¶97vi3785**
NEIC	M_D2.6(SEA). Felt, After SEA.								
ISC	**VI**	**27 01 39 21.3**±.70	**48.40N**±.048	**119.87W**±.069	**0**			**30**	**0-3**
NEIC	VI	27 01 39 22.5	48.37N	119.89W	0				**¶97vi4219**
NEIC	M_D2.7(SEA), After SEA.								
ISC	**VI**	**27 05 30 47.4**±.78	**47.59N**±.064	**122.54W**±.087	**2**			**11**	**0-4**
NEIC	VI	27 05 30 49.0	47.60N	122.58W	2				**¶97vi4248**
NEIC	M_D3.1(SEA). Felt, After SEA.								
ISC	**VI**	**27 10 47 49.4**±.53	**47.63N**±.028	**122.56W**±.044	**15**±4.6			**46**	**0-14**
NEIC	VI	27 10 47 49.0	47.58N	122.55W	1				**¶97vi4284**
PGC	VI	27 10 47 50.0	47.6N	122.6W	5	3.4L			
NEIC	M_D3.9(SEA). Felt, After SEA.								
PGC	Near Bremerton, Washington. Aftershock. Felt.								

SEISMIC REGION 3.
CALIFORNIA-NEVADA REGION.

(30) Off coast of Oregon.

ISC	**I**	**08 04 45 58**±1.7	**42.5N**±.12	**126.7W**±.16	**10**	**2.9b**		**16**	**3-25**
EIDC	I	08 04 45 57.5	42.6N	126.6W	0	2.9b			**¶97i1022**
NEIC	I	08 04 45 58.5	42.57N	126.64W	10	3.2b			
NEIC	Less reliable solution.								
ISC	**I**	**13 16 32 49**±1.5	**43.7N**±.10	**127.9W**±.15	**10**	**3.7b**		**36**	**4-33**
NEIC	I	13 16 32 49.0	43.71N	127.93W	10	3.8b			**¶97i1871**
EIDC	I	13 16 32 51.1	43.9N	127.5W	0	3.8b,3.3L			
ISC	**I**	**15 19 25 07**±9.0	**44.7N**±.59	**126.2W**±.58	**10**			**15**	**3-19**
NEIC	I	15 19 25 07.0	44.72N	126.13W	10	2.6b			**¶97i2198**
NEIC	Poor solution.								
ISC	**II**	**05 18 14 52**±9.7	**44.4N**±.70	**128.7W**±.59	**10**			**11**	**5-20**
NEIC	II	05 18 14 52.3	44.40N	128.68W	10	2.5b			**¶97ii0731**
NEIC	Poor solution.								
ISC	**II**	**09 22 54 21**±2.4	**42.3N**±.11	**125.7W**±.24	**10**	2.6b		**23**	**2-21**
NEIC	II	09 22 54 21.0	42.29N	125.62W	10	2.7b			**¶97ii1378**
ISC	**II**	**20 11 03 51.2**±.93	**43.53N**±.041	**127.2W**±.10	**10**	**3.8b**		**92**	**3-66**
EIDC	II	20 11 03 50.6	43.5N	127.4W	0	3.7b,3.5L			**¶97ii2914**
NEIC	II	20 11 03 51.6	43.54N	127.08W	10	3.7b			
ISC	**III**	**12 11 36 33**±3.9	**42.4N**±.12	**125.5W**±.41	**10**			**13**	**2-5**
NEIC	III	12 11 36 33.0	42.37N	125.51W	10				**¶97iii2526**
NEIC	Less reliable solution.								
ISC	**III**	**23 16 41 27**±2.0	**43.56N**±.028	**127.23W**±.075	**23**±16	**4.1b**		**168**	**3-80**
NEIC	III	23 16 41 25.1	43.54N	127.28W	10	4.1b			**¶97iii4461**
EIDC	III	23 16 41 30.8	43.5N	127.3W	39	3.9b,3.7L			
ISC	**III**	**28 17 20 55**±3.8	**43.0N**±.11	**128.5W**±.39	**10**	2.6b		**49**	**4-21**
NEIC	III	28 17 20 59.8	43.06N	127.92W	10	2.7b			**¶97iii5464**
NEIC	Less reliable solution.								
NEIC	**IV**	**04 11 24 37.1**	**42.39N**	**125.35W**	**10**				**2-5**
NEIC	Poor solution.								**¶97iv0604**
ISC	**IV**	**06 03 01 17**±7.1	**45.8N**±.23	**125.9W**±.69	**10**			**19**	**2-6**
NEIC	IV	06 03 01 16.2	45.80N	125.89W	10				**¶97iv0916**
NEIC	Poor solution.								
NEIC	**IV**	**10 18 58 54.7**	**43.22N**	**127.88W**	**10**				**3-7**
NEIC	Less reliable solution.								**¶97iv1731**
ISC	**IV**	**12 16 41 30**±4.6	**43.25N**±.034	**126.4W**±.14	**7**±31	**3.9b,**3.9s		**93**	**2-27**
EIDC	IV	12 16 41 30.3	43.2N	126.5W	0	3.3s,3.6b			**¶97iv2098**
NEIC	IV	12 16 41 30.4	43.25N	126.35W	10	3.7b			
NEIC	**IV**	**13 06 57 01.4**	**44.52N**	**129.72W**	**10**				**5-8**
NEIC	Poor solution.								**¶97iv2204**
ISC	**IV**	**13 18 04 16**±2.9	**45.1N**±.10	**126.5W**±.29	**10**			**36**	**3-19**
NEIC	IV	13 18 04 16.1	45.11N	126.46W	10	2.5b			**¶97iv2280**
NEIC	Less reliable solution.								
ISC	**IV**	**17 09 43 58**±1.4	**44.69N**±.076	**130.1W**±.14	**10**	**3.4b**		**45**	**5-41**
EIDC	IV	17 09 43 54.8	44.4N	130.8W	0	3.3b,3.3L			**¶97iv2879**
NEIC	IV	17 09 43 58.2	44.66N	130.10W	10	2.7b			
ISC	**IV**	**17 14 17 28.5**±.68	**44.54N**±.051	**129.70W**±.069	**10**	**3.9b,**3.8s		**75**	**5-78**
EIDC	IV	17 14 17 21.2	43.7N	130.0W	0	3.7b,3.8s			**¶97iv2917**
NEIC	IV	17 14 17 28.4	44.53N	129.68W	10	3.7b			
ISC	**IV**	**17 23 42 48**±1.3	**44.6N**±.10	**129.5W**±.14	**10**	**3.2b**		**20**	**5-63**
EIDC	IV	17 23 42 43.8	44.2N	130.1W	0	3.1b,3.5L			**¶97iv2992**
NEIC	IV	17 23 42 45.8	44.44N	129.58W	10	3.0b			
NEIC	Less reliable solution.								
ISC	**IV**	**29 02 52 48**±3.3	**43.5N**±.15	**126.4W**±.28	**10**	3.0b		**78**	**2-24**
NEIC	IV	29 02 52 48.2	43.52N	126.37W	10				**¶97iv5011**
EIDC	IV	29 02 52 51.9	43.1N	125.7W	26	2.8b,3.3L			
ISC	**V**	**03 23 49 59**±2.0	**43.4N**±.10	**127.6W**±.18	**10**	3.0b		**41**	**3-24**
EIDC	V	03 23 49 51.0	42.5N	127.2W	0	3.0b			**¶97v0523**
NEIC	V	03 23 49 56.8	43.35N	127.72W	10	3.0b			
ISC	**V**	**08 06 52 57**±8.6	**43.1N**±.16	**126.2W**±.87	**10**			**12**	**2-5**
NEIC	V	08 06 52 56.8	43.12N	126.21W	10				**¶97v1195**
NEIC	Poor solution.								
ISC	**V**	**27 15 31 43**±3.7	**43.57N**±.097	**126.8W**±.42	**10**			**13**	**3-16**
NEIC	V	27 15 31 43.2	43.57N	126.81W	10				**¶97v4588**
NEIC	Less reliable solution.								
ISC	**V**	**28 23 02 59**±4.5	**43.57N**±.040	**127.0W**±.12	**13**±28	**3.9b,3.6s**		**62**	**3-73**
EIDC	V	28 23 02 57.6	43.4N	127.3W	0	3.8b,3.7L			**¶97v4782**
NEIC	V	28 23 02 58.4	43.57N	127.05W	10	3.8b,3.6s			
ISC	**VI**	**09 21 20 33**±7.6	**44.0N**±.19	**128.5W**±.74	**10**			**40**	**4-7**
NEIC	VI	09 21 20 32.6	43.95N	128.45W	10				**¶97vi1443**
NEIC	Single network solution.								
NEIC	**VI**	**30 05 37 10.3**	**42.64N**	**128.83W**	**10**				**5-8**
NEIC	Poor solution.								**¶97vi4713**
ISC	**VI**	**30 12 26 20**±3.3	**43.1N**±.13	**127.2W**±.31	**10**			**25**	**3-21**
NEIC	VI	30 12 26 19.6	43.12N	127.17W	10	2.9b			**¶97vi4759**
NEIC	Less reliable solution.								

(32) Oregon.

ISC	**I**	**02 19 03 54**±1.7	**45.72N**±.060	**118.0W**±.13	**1**±12			**26**	**0-17**
NEIC	I	02 19 03 58.4	45.86N	118.18W	8				**¶97i0261**
NEIC	M_D2.9(SEA), After SEA.								
ISC	**IV**	**18 17 32 07**±1.8	**45.57N**±.090	**118.5W**±.19	**33**			**20**	**0-2**
									¶97iv3103
ISC	**V**	**22 13 57 10.5**±.36	**44.05N**±.027	**122.53W**±.053	**8**			**45**	**0-3**
NEIC	V	22 13 57 10.5	44.07N	122.52W	8				**¶97v3778**
NEIC	M_D2.6(SEA). Felt, After SEA.								
NEIC	Felt at Eugene.								

(33) Western Idaho.

ISC	**I**	**10 17 31 54**±5.9	**44.7N**±.20	**114.2W**±.55	**5**			**9**	**1-3**
NEIC	I	10 17 31 52.2	44.60N	114.32W	5				**¶97i1399**
NEIC	M_L2.6(BUT). Poor solution.								
NEIC	Felt at Challis.								
ISC	**I**	**11 05 12 44**±11	**44.5N**±.45	**114.6W**±.87	**5**			**9**	**1-3**
NEIC	I	11 05 12 44.5	44.50N	114.56W	5				**¶97i1469**
NEIC	M_L3.3(BUT), Poor solution.								
ISC	**II**	**18 09 55 10.2**±.31	**44.53N**±.033	**114.81W**±.039	**5**			**51**	**1-7**
NEIC	II	18 09 55 09.9	44.53N	114.80W	5				**¶97ii2628**
NEIC	$M_{L3.8}$(BUT), $M_{L3.6}$(GS)								
NEIC	Felt in the epicentral area.								
ISC	**III**	**14 17 18 34**±8.3	**47.5N**±.15	**116.1W**±.87	**0**			**30**	**1-15**
NEIC	III	14 17 18 32.0	47.47N	115.78W	2				**¶97iii2919**
NEIC	Possible rockburst M_L3.6(BUT), M_D3.4(SEA). Felt, After BUT.								
NEIC	Felt in the epicentral area.								
ISC	**III**	**20 06 17 27.5**±.69	**44.29N**±.056	**114.12W**±.087	**5**			**15**	**1-4**
NEIC	III	20 06 17 27.4	44.27N	114.11W	5				**¶97iii3852**
NEIC	$M_{L3.0}$(BUT).								

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**18 08 05 55.7**±.54	**44.48N**±.040	**114.14W**±.068	**5**		**29**	**1-18**
NEIC	VI	18 08 05 55.7	44.46N	114.13W	5			¶97vi2753
EIDC	VI	18 08 05 55.8	44.4N	114.5W	0	3.4L		
NEIC		$M_{L3.9}$(BUT), $M_{L3.5}$(GS).						

(34) Off coast of Northern California.

ISC	**I**	**06 22 15 39**±4.9	**40.72N**±.027	**125.4W**±.12	**11**±34		**85**	**1-10**
NEIC	I	06 22 15 40.4	40.78N	125.32W	5			¶97i0838
NEIC		Mw4.0(BRK), M_L4.0(BRK), After GM−P.						
NEIC		MD 3.7 (GM). ML 3.7 (GS). Mo=1.1×10^{15}Nm (BRK).						
NEIC	**I**	**07 10 17 00.1**	**40.38N**	**125.42W**	**26**			**1-3**
NEIC		M_D2.9(GM), After GM−P.						¶97i0909
ISC	**I**	**16 16 02 45**±4.7	**40.41N**±.071	**125.3W**±.38	**19**±19		**26**	**1-3**
NEIC	I	16 16 02 49.7	40.39N	124.93W	23			¶97i2334
NEIC		M_D3.4(GM), M_L3.3(BRK), After GM−P.						
ISC	**I**	**22 11 47 59.7**±.79	**41.11N**±.036	**126.13W**±.098	**14**	**3.9b**	**62**	**2-69**
EIDC	I	22 11 48 01.4	41.3N	126.0W	0	3.9b,3.8L		¶97i3321
NEIC	I	22 11 48 01.8	41.12N	126.11W	14	3.9b		
NEIC		M_D4.3(GM), M_L4.3(GS), After GM−P.						
NEIC		ML 4.2 (BRK).						
NEIC	**I**	**26 02 17 20.0**	**40.44N**	**126.98W**	**8**			**3-6**
NEIC		M_D3.0(GM), After GM−P.						¶97i3877
ISC	**II**	**03 21 51 27**±5.8	**40.4N**±.14	**125.5W**±.56	**9**		**14**	**1-5**
NEIC	II	03 21 51 33.3	40.41N	125.09W	9			¶97ii0428
NEIC		M_L3.5(BRK), M_D3.2(GM), After GM−P.						
NEIC		ML 3.3 (GS).						
ISC	**II**	**04 14 14 13.5**±.66	**41.90N**±.028	**126.37W**±.081	**22**	**3.7b**	**87**	**2-81**
NEIC	II	04 14 14 13.5	41.90N	126.35W	22	3.6b		¶97ii0541
EIDC	II	04 14 14 17.2	42.1N	126.3W	24	3.7b,3.5L		
NEIC		$M_{L4.1}$(BRK).						
NEIC	**II**	**07 14 30 14.2**	**40.39N**	**125.05W**	**24**			**2-2**
NEIC		M_D3.1(GM), After GM−P.						¶97ii0999
ISC	**II**	**15 11 34 03**±1.0	**41.07N**±.035	**126.0W**±.13	**3**	**3.5b**	**66**	**1-23**
EIDC	II	15 11 34 06.6	41.3N	126.0W	0	3.4b,3.6L		¶97ii2225
NEIC	II	15 11 34 08.9	41.09N	125.57W	3			
NEIC		Mw4.0(BRK), M_L3.8(BRK), After GM−P.						
NEIC		MD 3.5 (GM). Mo=1.1×10^{15}Nm (BRK).						
ISC	**II**	**24 12 20 09**±8.6	**40.4N**±.19	**125.6W**±.83	**1**		**5**	**1-3**
NEIC	II	24 12 20 16.7	40.42N	125.06W	1			¶97ii3477
NEIC		M_D2.8(GM), After GM−P.						
ISC	**III**	**04 11 21 42**±5.9	**40.3N**±.13	**125.0W**±.62	**23**		**7**	**1-4**
NEIC	III	04 11 21 47.6	40.33N	124.63W	23			¶97iii0836
NEIC		M_D3.0(GM), After GM−P.						
ISC	**III**	**07 16 29 20**±1.8	**40.33N**±.056	**126.7W**±.20	**10**	3.0b	**31**	**2-23**
EIDC	III	07 16 29 18.8	40.3N	127.2W	0	3.0b,3.0L		¶97iii1548
NEIC	III	07 16 29 19.5	40.33N	126.75W	10			
NEIC		$M_{L4.3}$(GS).						
ISC	**III**	**22 01 14 00**±5.9	**40.4N**±.11	**125.1W**±.49	**19**±25		**12**	**1-5**
NEIC	III	22 01 13 59.3	40.40N	125.08W	1			¶97iii4171
NEIC		M_L3.2(BRK), M_D3.1(GM), After GM−P.						
ISC	**III**	**24 08 50 02**±6.6	**40.3N**±.15	**125.0W**±.72	**24**		**5**	**1-4**
NEIC	III	24 08 50 07.4	40.34N	124.63W	24			¶97iii4548
NEIC		M_D2.6(GM), After GM−P.						
ISC	**IV**	**01 18 01 22**±2.0	**41.4N**±.14	**127.0W**±.22	**10**	**3.0b**	**10**	**2-26**
EIDC	IV	01 18 01 19.1	41.1N	128.0W	0	3.0b,3.2L		¶97iv0120
NEIC	IV	01 18 01 20.5	41.33N	127.07W	10	3.0b		
NEIC		Less reliable solution.						
ISC	**IV**	**18 14 51 40**±1.4	**40.3N**±.17	**127.7W**±.16	**10**	**3.5b**	**11**	**4-69**
EIDC	IV	18 14 51 40.3	40.3N	127.9W	0	3.4b,3.4L		¶97iv3093
NEIC	IV	18 14 51 41.6	40.52N	127.58W	10	3.1b		
NEIC		Poor solution.						
ISC	**V**	**14 18 25 09**±7.1	**40.4N**±.13	**125.4W**±.53	**16**±31		**11**	**1-5**
NEIC	V	14 18 25 11.5	40.43N	125.17W	1			¶97v2497
NEIC		M_D3.3(GM), M_L3.3(BRK), After GM−P.						
ISC	**V**	**25 19 26 53**±7.2	**40.4N**±.13	**125.3W**±.72	**1**		**8**	**1-4**
NEIC	V	25 19 26 57.4	40.40N	125.05W	1			¶97v4316
NEIC		M_L3.0(BRK), M_D2.9(GM), After GM−P.						
ISC	**V**	**29 07 44 50**±6.2	**40.4N**±.14	**125.3W**±.62	**5**		**7**	**1-4**
NEIC	V	29 07 44 54.9	40.39N	124.97W	5			¶97v4838
NEIC		M_D2.9(GM), After GM−P.						
ISC	**V**	**31 11 05 59**±7.8	**40.4N**±.18	**125.7W**±.77	**0**		**5**	**1-4**
NEIC	V	31 11 06 07.1	40.40N	125.03W	0			¶97v5183
NEIC		M_D2.8(GM), After GM−P.						
ISC	**VI**	**01 03 07 46.9**±.67	**41.09N**±.027	**126.17W**±.082	**13**	**4.0b,**3.5s	**120**	**2-37**
EIDC	VI	01 03 07 46.6	41.1N	126.3W	0	3.8b,4.0L		¶97vi0015
NEIC	VI	01 03 07 50.3	41.09N	125.97W	13	4.1b		
NEIC		Mw4.3(BRK), M_L4.1(BRK), After GM−P.						
NEIC		MD 4.0 (GM). Mo=2.8×10^{15}Nm (BRK).						
ISC	**VI**	**07 19 40 00.2**±.30	**40.42N**±.020	**126.17W**±.038	**5**	**4.6b,4.7s**	**251**	**2-154**
NEIC	VI	07 19 39 58.7	40.43N	126.48W	5	4.9b,4.8s		¶97vi1136
BJI	VI	07 19 39 59.6	40.33N	126.72W	7	5.1b		
EIDC	VI	07 19 40 00.7	40.3N	126.3W	0	4.3b,4.2s		
MOS	VI	07 19 40 01.0	40.4N	126.1W	10	5.2b,4.7s		
HRVD	VI	07 19 40 03.7±.4	40.43N	126.48W	15			
NEIC		Mw5.4(HRV), M_D5.2(GM), After GM−P.						
NEIC		Mw 5.1 (BRK). ML 5.0 (BRK). Mo=5.0×10^{16}Nm (BRK).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c59; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.29±.03; $M_{\theta\theta}$0.03±.04; $M_{\phi\phi}$0.26±.05; $M_{r\theta}$0.00±.08; $M_{r\phi}$0.39±.12; $M_{\theta\phi}$−1.11±.03. Principal Axes: T 1.31,Plg10°,Azm229°; N −0.25, Plg68°,Azm346°; P −1.06,Plg19°,Azm136°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S274°,δ69°,λ−174°. NP2:ϕ_S181°,δ84°,λ−21°.						
ISC	**VI**	**26 00 27 09**±1.4	**40.41N**±.046	**125.2W**±.17	**26**		**26**	**1-14**
NEIC	VI	26 00 27 11.0	40.48N	125.18W	26			¶97vi4058
NEIC		M_L3.8(BRK), Mw3.7(BRK), After BRK.						
NEIC		ML 3.8 (GS). MD 3.4 (GM). Mo=3.5×10^{14}Nm (BRK).						
ISC	**VI**	**27 06 07 30**±8.2	**40.4N**±.15	**125.2W**±.77	**12**		**7**	**1-3**
NEIC	VI	27 06 07 35.6	40.44N	124.71W	12			¶97vi4250
NEIC		M_D3.1(GM), M_L3.0(GS), After GM−P.						
NEIC		ML 3.1 (BRK).						

(35) Near coast of Northern California.

ISC	**I**	**02 22 36 09.0**±.42	**38.98N**±.024	**123.07W**±.042	**12**±3.1	**3.7b**	**68**	**0-84**
EIDC	I	02 22 36 09.1	39.1N	123.0W	0	3.6b		¶97i0281
NEIC	I	02 22 36 09.2	39.01N	123.06W	3			
NEIC		Mw4.1(BRK), M_L4.0(BRK). Felt, After GM−P.						
NEIC		MD 3.5 (GM). ML 3.8 (GS). Felt at Kelseyville. Mo=1.4×10^{15}Nm (BRK).						
NEIC	**I**	**08 01 33 38.2**	**40.38N**	**124.50W**	**17**			**0-2**
NEIC		M_D2.8(GM), After GM−P.						¶97i1003
ISC	**I**	**13 14 54 38**±1.6	**40.25N**±.046	**124.5W**±.19	**32**±9.5		**28**	**0-23**
NEIC	I	13 14 54 38.9	40.29N	124.39W	21			¶97i1855
NEIC		M_L4.1(BRK), M_D3.8(GM), After GM−P.						
ISC	**I**	**22 07 17 17.7**±.46	**40.28N**±.053	**124.27W**±.066	**24**	**4.3b,5.1s**	**83**	**1-150**
EIDC	I	22 07 17 15.4	40.2N	124.6W	0	4.2b,5.1s		¶97i3289
NEIC	I	22 07 17 16.6	40.27N	124.39W	24	4.7b,5.1s		
MOS	I	22 07 17 22.0	40.8N	124.2W	33	5.3b,5.1s		
BJI	I	22 07 17 22.6	40.47N	123.80W	22	4.7b,5.5s		
HRVD	I	22 07 17 25.8±.2	40.33N±.02	124.75W±.03	18±1.6			
NEIC		Mw5.7(HRV), M_D5.6(GM). Damage, After GM−P.						
NEIC		Mw 5.6 (BRK). Slight damage at Petrolia and Scotia. Felt strongly in parts of southern Humboldt County and felt as far north as Trinidad. Mo=2.9×10^{17}Nm (BRK).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}0.88±.05; $M_{\theta\theta}$−1.67±.06; $M_{\phi\phi}$0.80±.08; $M_{r\theta}$0.16±.16; $M_{r\phi}$−1.57±.23; $M_{\theta\phi}$−3.55±.06. Principal Axes: T 3.95,Plg25°,Azm57°; N 0.37, Plg64°,Azm214°; P −4.32,Plg9°,Azm323°. Best double couple: $M_0$4.1×10^{17}Nm, NP1:ϕ_S97°, δ66°,λ168°. NP2:ϕ_S192°,δ79°,λ24°.						
ISC	**I**	**22 08 00 41.5**±.67	**40.23N**±.053	**124.65W**±.095	**21**	**3.8b,**4.0s	**29**	**2-77**
EIDC	I	22 08 00 40.1	40.3N	124.8W	0	4.0b,4.2s		¶97i3294
NEIC	I	22 08 00 43.1	40.33N	124.64W	21			
NEIC		Mw4.6(BRK), M_D4.3(GM), After GM−P.						
NEIC		ML 4.3 (BRK). Mo=7.5×10^{15}Nm (BRK).						
NEIC	**I**	**22 08 20 49.4**	**40.30N**	**124.52W**	**21**			**2-2**
NEIC		M_D2.8(GM), After GM−P.						¶97i3296
ISC	**I**	**22 08 57 32**±5.8	**40.3N**±.14	**124.3W**±.73	**23**		**4**	**1-4**
NEIC	I	22 08 57 33.1	40.29N	124.41W	23			¶97i3300
ISC		Poorly determined						
NEIC		M_D2.8(GM), After GM−P.						
ISC	**I**	**22 18 21 27**±4.3	**40.3N**±.12	**124.3W**±.55	**19**		**4**	**1-2**
NEIC	I	22 18 21 26.1	40.33N	124.66W	19			¶97i3365
ISC		Poorly determined						
NEIC		M_D3.0(GM), M_L3.0(BRK), After GM−P.						
NEIC	**I**	**23 14 23 21.6**	**40.28N**	**124.70W**	**20**			**2-2**
NEIC		M_D2.8(GM), After GM−P.						¶97i3509
ISC	**I**	**26 06 23 17.4**±.94	**40.24N**±.028	**124.5W**±.10	**30**±4.9	**3.5b**	**73**	**0-28**
EIDC	I	26 06 23 13.5	40.0N	125.2W	0	3.6b,4.0L		¶97i3895
NEIC	I	26 06 23 19.3	40.28N	124.40W	22			
NEIC		Mw5.2(BRK), M_D4.1(GM), After GM−P.						
NEIC		ML 3.9 (GS). Mo=6.4×10^{16}Nm (BRK).						
ISC	**I**	**26 21 33 30**±3.4	**40.3N**±.11	**124.3W**±.38	**22**		**6**	**1-2**
NEIC	I	26 21 33 31.0	40.28N	124.41W	22			¶97i4002
NEIC		M_L3.0(BRK), M_D2.9(GM), After GM−P.						
ISC	**II**	**04 17 41 23**±7.7	**40.3N**±.14	**124.6W**±.87	**54**±64		**5**	**1-2**
NEIC	II	04 17 41 25.1	40.30N	124.51W	21			¶97ii0573
ISC		Poorly determined						
NEIC		M_D2.8(GM), After GM−P.						
ISC	**II**	**15 09 48 33**±2.9	**40.22N**±.070	**124.6W**±.32	**21**		**10**	**1-4**
NEIC	II	15 09 48 35.7	40.29N	124.48W	21			¶97ii2210
NEIC		M_D3.0(GM), M_L3.0(BRK), After GM−P.						
ISC	**III**	**04 20 33 02**±7.9	**40.3N**±.14	**124.9W**±.81	**21**		**5**	**1-2**
NEIC	III	04 20 33 06.3	40.33N	124.62W	21			¶97iii0913
NEIC		M_D2.9(GM), After GM−P.						
ISC	**IV**	**05 05 57 17.9**±.64	**40.47N**±.030	**124.82W**±.082	**12**	**3.6b,**3.9s	**66**	**1-77**
EIDC	IV	05 05 57 19.4	40.6N	124.7W	0	3.6b,3.9L		¶97iv0708
NEIC	IV	05 05 57 19.7	40.54N	124.79W	12			
NEIC		M_L4.1(BRK), M_L4.0(GS), After GM−P.						
NEIC		MD 3.8 (GM).						
NEIC	**IV**	**20 00 36 01.5**	**40.34N**	**124.64W**	**23**			**1-2**
NEIC		M_D2.7(GM), After GM−P.						¶97iv3255
ISC	**IV**	**26 22 59 21**±6.8	**40.5N**±.15	**125.0W**±.68	**18**		**6**	**1-4**
NEIC	IV	26 22 59 25.2	40.46N	124.67W	18			¶97iv4617
NEIC		M_D2.8(GM), After GM−P.						
ISC	**IV**	**28 14 58 36**±7.2	**40.3N**±.11	**124.3W**±.91	**21**		**4**	**0-2**
NEIC	IV	28 14 58 34.6	40.30N	124.49W	21			¶97iv4942
ISC		Poorly determined						
NEIC		M_D2.8(GM), After GM−P.						
ISC	**V**	**22 18 58 39**±1.5	**39.57N**±.081	**123.2W**±.14	**20**±18		**13**	**0-7**
NEIC	V	22 18 58 36.4	39.39N	123.25W	9			¶97v3816
NEIC		M_D3.2(GM), After GM−P.						

(36) Northern California.

ISC	**I**	**05 18 27 57.2**±.61	**39.62N**±.051	**120.10W**±.056	**2**		**21**	**1-4**
NEIC	I	05 18 27 59.3	39.58N	120.13W	2			¶97i0699
NEIC		M_D2.8(GM), M_L2.8(GS), After GM−P.						
ISC	**I**	**10 05 05 02.6**±.43	**40.88N**±.031	**123.85W**±.072	**32**±4.8		**33**	**0-22**
NEIC	I	10 05 05 03.3	40.86N	123.81W	26			¶97i1316
NEIC		M_L3.5(BRK), M_D3.5(GM), After GM−P.						
NEIC		ML 3.5 (GS).						
ISC	**I**	**10 20 44 14.6**±.47	**39.60N**±.036	**120.18W**±.045	**5**		**45**	**1-4**
NEIC	I	10 20 44 14.3	39.60N	120.18W	5			¶97i1424
NEIC		$M_{L3.1}$(GS), $M_{L3.1}$(BRK).						
NEIC		MD 3.0 (GM).						
ISC	**I**	**11 17 04 18**±2.2	**42.0N**±.17	**122.1W**±.12	**16**		**14**	**0-2**
NEIC	I	11 17 04 16.8	41.98N	122.14W	16			¶97i1549
NEIC		M_L3.3(BRK), M_D3.1(GM), After GM−P.						
ISC	**I**	**14 00 02 27**±1.0	**39.58N**±.072	**120.15W**±.087	**5**		**16**	**1-2**
NEIC	I	14 00 02 26.9	39.59N	120.14W	5			¶97i1918
NEIC		$M_{D3.0}$(GM).						
ISC	**I**	**17 05 52 05.0**±.91	**39.63N**±.063	**120.02W**±.082	**5**		**20**	**1-3**
NEIC	I	17 05 52 04.7	39.64N	120.03W	5			¶97i2407
NEIC		$M_{L3.0}$(GS), $M_{D2.8}$(GM).						
ISC	**I**	**20 06 16 26**±2.0	**39.57N**±.074	**120.2W**±.18	**5**		**14**	**1-3**
NEIC	I	20 06 16 24.9	39.61N	120.14W	5			¶97i2950
NEIC		$M_{D3.0}$(GM).						
ISC	**I**	**21 17 31 11.6**±.55	**39.47N**±.037	**122.95W**±.064	**6**±9.8		**26**	**0-2**
NEIC	I	21 17 31 11.6	39.47N	122.99W	8			¶97i3212
NEIC		M_L3.2(BRK), M_D3.1(GM), After GM−P.						
NEIC		ML 3.1 (GS).						
ISC	**I**	**25 06 55 37.0**±.72	**38.78N**±.051	**122.7W**±.10	**2**		**12**	**0-4**
NEIC	I	25 06 55 37.3	38.80N	122.80W	2			¶97i3763
NEIC		M_L3.4(BRK), M_L3.3(GS), After GM−P.						
NEIC		MD 3.0 (GM).						
ISC	**I**	**26 10 49 03**±1.1	**40.9N**±.12	**123.4W**±.12	**28**		**6**	**0-4**
NEIC	I	26 10 49 04.2	40.93N	123.44W	28			¶97i3930
NEIC		M_D3.2(GM), M_L3.2(BRK), After GM−P.						
ISC	**I**	**27 09 13 12**±1.2	**39.48N**±.071	**122.9W**±.16	**9**		**6**	**1-2**
NEIC	I	27 09 13 12.3	39.47N	122.99W	9			¶97i4071
NEIC		M_L3.1(BRK), M_D2.9(GM), After GM−P.						

ISC I 30 11 10 52±3.5 **40.2N**±.12 **123.9W**±.44 **11** **4 1-2**
NEIC I 30 11 10 47.8 40.21N 124.17W 11 **¶97i4476**
ISC Poorly determined
NEIC M_D2.8(GM), After GM−P.
ISC II 04 23 45 45.4±.96 **38.35N**±.046 **122.6W**±.12 **10**±7.7 **20 0-5**
NEIC II 04 23 45 45.2 38.36N 122.65W 6 **¶97ii0608**
NEIC Mw3.6(BRK), M_D3.4(GM). Felt, After GM−P.
NEIC ML 3.4 (BRK), 3.4 (GS). Felt at Cotati, Petaluma, Rohnert Park, San Francisco, Santa Rosa and Sebastopol. Mo=3.3×10^{14}Nm (BRK).
ISC II 05 00 25 41.0±.72 **38.39N**±.043 **122.6W**±.11 **17**±9.3 **25 0-25**
NEIC II 05 00 25 41.0 38.36N 122.65W 7 **¶97ii0612**
NEIC M_L3.9(BRK), Mw3.7(BRK). Felt, After GM−P.
NEIC MD 3.7 (GM). ML 3.8 (GS). Felt at Cotati, Oakland, Petaluma, Rohnert Park, San Francisco, Santa Rosa and Sebastopol. Mo=4.7×10^{14}Nm (BRK).
ISC II 11 22 05 29±1.0 **38.38N**±.047 **122.5W**±.12 **11**±11 **15 0-3**
NEIC II 11 22 05 28.3 38.35N 122.64W 6 **¶97ii1679**
NEIC M_D3.0(GM), M_L3.0(BRK). Felt, After GM−P.
NEIC Felt at Rohnert Park.
ISC II 16 02 28 45±1.1 **38.77N**±.064 **122.7W**±.14 **9**±14 **9 0-2**
NEIC II 16 02 28 45.1 38.79N 122.77W 2 **¶97ii2329**
NEIC M_D2.9(GM), M_L2.8(GS), After GM−P.
ISC II 18 02 15 57±1.0 **38.78N**±.045 **122.7W**±.10 **9**±11 **16 0-4**
NEIC II 18 02 15 56.7 38.79N 122.74W 3 **¶97ii2591**
NEIC M_L3.3(BRK), M_D3.2(GM), After GM−P.
ISC II 18 18 43 15.9±.88 **38.95N**±.048 **123.0W**±.11 **13**±9.1 **15 0-3**
NEIC II 18 18 43 16.4 38.95N 123.00W 7 **¶97ii2680**
NEIC M_D3.1(GM), M_L3.0(BRK), After GM−P.
ISC II 23 14 30 46±1.0 **39.5N**±.12 **120.1W**±.10 **4** **6 1-3**
NEIC II 23 14 30 47.8 39.61N 120.16W 4 **¶97ii3338**
NEIC M_D2.8(GM), After GM−P.
ISC II 23 18 18 34.4±.57 **39.64N**±.067 **120.13W**±.060 **5** **14 1-7**
NEIC II 23 18 18 33.9 39.63N 120.08W 5 **¶97ii3355**
NEIC M_L3.1(BRK), M_D2.9(GM), After GM−P.
ISC III 04 05 51 42±1.1 **38.78N**±.040 **122.74W**±.095 **6**±11 **20 0-4**
NEIC III 04 05 51 42.2 38.80N 122.80W 2 **¶97iii0795**
NEIC M_L3.3(GS), M_D3.1(GM), After GM−P.
NEIC ML 3.1 (BRK).
ISC III 07 16 18 54±1.1 **38.79N**±.043 **122.72W**±.095 **6**±12 **18 0-4**
NEIC III 07 16 18 53.8 38.79N 122.78W 2 **¶97iii1546**
NEIC M_L3.0(BRK), M_D3.0(GM), After GM−P.
NEIC ML 3.0 (GS).
ISC III 10 02 10 56±1.5 **40.9N**±.12 **123.9W**±.34 **32**±22 **8 0-3**
NEIC III 10 02 10 56.7 40.88N 123.82W 25 **¶97iii2130**
NEIC M_L3.0(BRK), M_D2.9(GM). Felt, After GM−P.
NEIC Felt at Indianola and Trinidad.
ISC III 16 18 24 35±1.2 **38.74N**±.061 **122.6W**±.13 **6**±15 **10 0-2**
NEIC III 16 18 24 35.1 38.76N 122.72W 2 **¶97iii3252**
NEIC M_D3.0(GM), After GM−P.
ISC III 27 10 10 45±1.5 **38.15N**±.070 **122.0W**±.12 **51**±37 **11 0-3**
NEIC III 27 10 10 45.2 38.15N 121.94W 21 **¶97iii5193**
NEIC M_D3.2(GM). Felt, After GM−P.
NEIC Felt at Concord, Fairfield and Pittsburg.
ISC III 27 10 26 35.4±.74 **38.18N**±.061 **121.89W**±.093 **22** **9 0-3**
NEIC III 27 10 26 35.3 38.15N 121.93W 22 **¶97iii5196**
NEIC M_D2.8(GM), M_L2.7(GS), After GM−P.
ISC III 27 11 11 24.8±.90 **38.18N**±.074 **121.95W**±.094 **22** **8 0-3**
NEIC III 27 11 11 24.5 38.15N 121.94W 22 **¶97iii5204**
NEIC M_D2.8(GM), M_L2.5(GS), After GM−P.
ISC III 27 11 30 07.1±.53 **38.17N**±.040 **122.02W**±.083 **31**±8.5 **25 0-5**
NEIC III 27 11 30 07.0 38.15N 121.95W 21 **¶97iii5208**
NEIC M_D3.4(GM), M_L3.3(BRK). Felt, After GM−P.
NEIC ML 3.2 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC III 27 13 38 08.7±.60 **38.17N**±.044 **121.94W**±.093 **29**±9.8 **22 0-4**
NEIC III 27 13 38 08.8 38.15N 121.93W 21 **¶97iii5236**
NEIC M_D3.2(GM), M_L3.0(BRK). Felt, After GM−P.
NEIC ML 3.0 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC III 27 14 01 24.1±.52 **38.18N**±.040 **122.01W**±.087 **31**±7.7 **23 0-4**
NEIC III 27 14 01 24.2 38.15N 121.94W 21 **¶97iii5240**
NEIC M_D3.4(GM), M_L3.2(BRK). Felt, After GM−P.
NEIC ML 3.0 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC III 27 15 39 48.9±.50 **38.17N**±.041 **121.97W**±.074 **29**±8.4 **3.2b** **36 0-40**
EIDC III 27 15 39 45.3 37.9N 122.1W 0 3.3b,3.3L **¶97iii5260**
NEIC III 27 15 39 49.0 38.15N 121.95W 21
NEIC M_D3.7(GM), M_L3.5(BRK). Felt, After GM−P.
NEIC ML 3.4 (GS). Felt at Concord, Fairfield, Martinez, Pittsburg and as far as San Francisco.
ISC III 27 17 16 42.5±.82 **38.20N**±.067 **121.9W**±.11 **23** **7 0-1**
NEIC III 27 17 16 42.8 38.16N 121.95W 23 **¶97iii5269**
NEIC M_D3.3(GM). Felt, After GM−P.
NEIC Felt at Concord, Fairfield and Pittsburg.
ISC III 27 18 01 43.0±.67 **38.19N**±.047 **122.00W**±.091 **32**±8.8 **17 0-4**
NEIC III 27 18 01 43.1 38.15N 121.95W 22 **¶97iii5277**
NEIC M_D3.3(GM), M_L3.0(BRK). Felt, After GM−P.
NEIC ML 2.9 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC III 27 22 47 53.1±.54 **38.18N**±.042 **122.07W**±.095 **32**±8.1 **22 0-4**
NEIC III 27 22 47 53.0 38.15N 121.94W 22 **¶97iii5323**
NEIC M_D3.5(GM), M_L3.4(BRK). Felt, After GM−P.
NEIC ML 3.3 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC III 27 22 53 07.6±.52 **38.19N**±.042 **122.05W**±.085 **32**±7.4 **23 0-4**
NEIC III 27 22 53 07.6 38.15N 121.94W 22 **¶97iii5324**
NEIC M_D3.4(GM), M_L3.2(BRK). Felt, After GM−P.
NEIC ML 3.1 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC IV 01 01 36 54.7±.53 **38.18N**±.041 **122.03W**±.078 **31**±8.8 2.7b **31 0-25**
NEIC IV 01 01 36 54.8 38.15N 121.94W 22 **¶97iv0011**
NEIC M_D3.6(GM), M_L3.4(BRK). Felt, After GM−P.
NEIC ML 3.2 (GS). Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC IV 01 18 37 18.7±.74 **38.16N**±.061 **121.97W**±.096 **25**±8.2 **19 0-4**
NEIC IV 01 18 37 18.6 38.16N 121.94W 21 **¶97iv0124**
NEIC M_D3.4(GM), M_L3.1(BRK). Felt, After GM−P.
NEIC Felt at Concord, Fairfield, Martinez and Pittsburg.
ISC IV 02 22 27 08.7±.74 **38.20N**±.061 **121.93W**±.095 **22** **8 0-1**
NEIC IV 02 22 27 09.0 38.17N 121.93W 22 **¶97iv0335**
NEIC M_D2.7(GM), After GM−P.
ISC IV 13 22 53 17.1±.65 **38.79N**±.052 **122.72W**±.092 **5** **13 0-4**
NEIC IV 13 22 53 16.9 38.82N 122.80W 5 **¶97iv2318**
NEIC M_D3.0(GM), After GM−P.
ISC IV 14 11 27 38±1.0 **38.73N**±.042 **122.76W**±.092 **7**±10 **22 0-4**
NEIC IV 14 11 27 37.7 38.79N 122.76W 3 **¶97iv2451**
NEIC M_L3.2(BRK), M_D3.1(GM), After GM−P.
ISC IV 20 06 38 40±1.3 **38.82N**±.073 **122.8W**±.14 **3**±17 **9 0-3**
NEIC IV 20 06 38 40.0 38.84N 122.88W 2 **¶97iv3283**
NEIC M_D2.9(GM), M_L2.9(GS), After GM−P.
ISC V 01 20 41 14.9±.53 **39.59N**±.048 **122.06W**±.061 **19** **15 0-4**
NEIC V 01 20 41 15.6 39.59N 122.05W 19 **¶97v0151**
NEIC M_D3.2(GM), M_L3.0(BRK). Felt, After GM−P.
NEIC Felt at Chico and Willows.
ISC V 08 21 04 26±2.6 **39.53N**±.079 **120.22W**±.087 **4**±22 **12 1-4**
NEIC V 08 21 04 26.1 39.59N 120.16W 3 **¶97v1308**
NEIC M_L3.0(BRK), M_D2.9(GM), After GM−P.
ISC V 08 21 34 59±1.1 **39.51N**±.089 **120.1W**±.14 **14** **6 1-3**
NEIC V 08 21 34 59.5 39.56N 120.22W 14 **¶97v1313**
NEIC M_D2.8(GM), After GM−P.
ISC V 09 23 53 07.8±.65 **40.27N**±.058 **121.88W**±.073 **8** **11 0-3**
NEIC V 09 23 53 08.3 40.28N 121.87W 8 **¶97v1503**
NEIC M_L3.0(BRK), M_D2.9(GM), After GM−P.
ISC V 10 19 00 30.9±.90 **40.24N**±.087 **122.1W**±.13 **37** **8 0-3**
NEIC V 10 19 00 31.0 40.16N 122.28W 37 **¶97v1647**
NEIC M_D3.1(GM). Felt, After GM−P.
NEIC Felt in the Red Bluff area.
ISC V 10 22 08 57±1.3 **40.9N**±.11 **123.4W**±.14 **28** **5 0-2**
NEIC V 10 22 08 57.6 40.92N 123.45W 28 **¶97v1672**
NEIC M_D2.8(GM), After GM−P.
ISC V 12 23 09 41±1.3 **40.28N**±.071 **122.12W**±.087 **5**±14 **9 0-3**
NEIC V 12 23 09 42.5 40.30N 122.08W 11 **¶97v2067**
NEIC M_L3.1(BRK), M_D2.9(GM), After GM−P.
ISC V 13 03 56 47±1.1 **38.81N**±.063 **122.7W**±.13 **8**±14 **10 0-2**
NEIC V 13 03 56 46.5 38.82N 122.81W 4 **¶97v2122**
NEIC M_D2.8(GM), After GM−P.
ISC V 18 14 49 06.7±.81 **40.26N**±.069 **121.89W**±.098 **0** **9 1-3**
NEIC V 18 14 49 06.9 40.28N 121.88W 0 **¶97v3105**
NEIC M_D2.9(GM), After GM−P.
ISC VI 24 11 48 46.3±.72 **40.49N**±.057 **121.58W**±.085 **4** **13 0-4**
NEIC VI 24 11 48 46.6 40.47N 121.55W 4 **¶97vi3703**
NEIC M_L3.2(BRK), M_D2.9(GM), After GM−P.

(37) Nevada.

ISC I 20 07 12 01±3.6 **38.3N**±.12 **117.0W**±.16 **0**±29 **5 0-3**
NEIC I 20 07 12 00.9 38.25N 116.97W 5 **¶97i2956**
ISC Poorly determined
NEIC M_L3.0(GS), Less reliable solution.
ISC III 17 22 00 11±2.2 **39.3N**±.24 **115.1W**±.27 **0** 2.6b **4 1-23**
EIDC III 17 22 00 10.8 39.3N 115.1W 0 2.8L,2.7b **¶97iii3439**
ISC Possible mine blast (after NEIC), Poorly determined
ISC IV 01 08 24 57.5±.88 **40.60N**±.091 **116.28W**±.070 **5** **18 1-6**
NEIC IV 01 08 24 57.6 40.56N 116.25W 5 **¶97iv0038**
NEIC $M_{L3.6}$(GS).
ISC IV 17 14 39 38.5±.45 **40.36N**±.042 **116.20W**±.054 **5** 2.7b **29 1-22**
NEIC IV 17 14 39 38.2 40.37N 116.18W 5 **¶97iv2921**
NEIC $M_{L4.3}$(GS).
NEIC V 01 12 51 56.8 39.38N 119.76W 3 **1-2**
NEIC M_D2.8(GM), After GM−P. **¶97v0105**
ISC V 16 01 23 20.3±.25 **40.58N**±.027 **114.99W**±.032 **5** **4.0b,**5.3s **70 0-96**
NEIC V 16 01 23 19.8 40.61N 114.99W 5 **¶97v2707**
EIDC V 16 01 23 21.8 40.7N 115.1W 16 3.7b,3.5L
NEIC $M_{L4.4}$(GS).
ISC VI 28 14 12 52±5.9 **39.73N**±.063 **118.07W**±.075 **7**±49 **14 1-5**
NEIC VI 28 14 12 51.6 39.73N 118.07W 5 **¶97vi4486**
NEIC $M_{L3.5}$(GS).
ISC VI 30 22 35 27.2±.66 **39.68N**±.062 **118.07W**±.085 **5** **12 1-4**
NEIC VI 30 22 35 27.0 39.68N 118.07W 5 **¶97vi4832**
NEIC $M_{L3.5}$(GS).

(38) Off coast of California.

ISC I 10 16 05 08±2.2 **33.6N**±.15 **120.3W**±.11 **6** **23 1-4**
NEIC I 10 16 05 12.1 33.73N 120.06W 6 **¶97i1390**
NEIC M_D2.9(PAS), After PAS.
NEIC II 28 23 08 46.8 32.42N 118.15W 6 **1-2**
NEIC M_D2.8(PAS), After PAS. **¶97ii4360**
ISC VI 20 04 35 43.3±.70 **32.97N**±.060 **118.04W**±.050 **6** **4.3b,**4.5s **81 1-148**
NEIC VI 20 04 35 40.5 32.68N 118.11W 6 4.3b **¶97vi3014**
EIDC VI 20 04 35 43.0 32.8N 118.0W 0 4.4b,3.9s
MOS VI 20 04 35 47.1 33.3N 118.1W 10 5.3b
NEIC Mw4.8(BRK), M_L4.7(PAS). Felt, After PAS.
NEIC ML 4.6 (BRK). Felt at San Diego and on Santa Catalina Island. Also felt along the coast of Orange County.
ISC VI 20 05 38 57±1.2 **32.87N**±.098 **118.06W**±.085 **6** **3.9b,**4.5s **37 1-79**
NEIC VI 20 05 38 55.0 32.69N 118.14W 6 3.9b **¶97vi3019**
EIDC VI 20 05 39 01.2 33.0N 117.7W 0 4.0b,3.5L
NEIC M_L4.2(PAS). Felt, After PAS.
ISC VI 20 08 04 14.3±.93 **32.72N**±.074 **118.11W**±.062 **6** **3.9b** **54 1-145**
NEIC VI 20 08 04 13.6 32.63N 118.15W 6 4.0b **¶97vi3025**
EIDC VI 20 08 04 15.5 32.7N 118.0W 0 3.9b,3.4s
NEIC M_L4.6(PAS). Felt I=IV MM, After PAS.
NEIC Felt I=IV MM at San Diego and III MM at Pacific Beach. Also felt along the coast of Orange County.
ISC VI 20 10 51 55±6.5 **32.5N**±.50 **118.2W**±.17 **6** **8 2-5**
ECX VI 20 10 51 55.9 32.67N 118.35W 19 3.5D **¶97vi3040**
NEIC VI 20 10 51 57.2 32.65N 118.14W 6
NEIC M_L2.9(PAS), After PAS.
ECX VI 20 11 17 41.3 32.59N 118.17W 16 3.6D **¶97vi3046**
NEIC VI 20 11 17 40.9 32.72N 118.13W 6
NEIC M_L3.5(PAS), After PAS.
NEIC VI 20 12 42 14.2 32.62N 118.17W 6 **2-4**
NEIC M_L3.0(PAS), After PAS. **¶97vi3057**
NEIC VI 22 14 08 46.8 32.72N 118.15W 6 **1-2**
NEIC M_L2.9(PAS), After PAS. **¶97vi3397**

(39) Central California.

ISC I 05 06 49 16.9 35.73N 117.68W 33 **5 1-2**
¶97i0630
ISC I 07 07 34 51.4±.41 **36.72N**±.029 **121.45W**±.049 **9**±4.7 **29 0-2**
NEIC I 07 07 34 51.5 36.74N 121.44W 6 **¶97i0893**
NEIC M_L2.8(GS), M_D2.7(GM), After GM−P.
ISC I 12 00 01 48.8±.62 **35.98N**±.041 **117.62W**±.051 **1** **35 0-7**
NEIC I 12 00 01 48.3 36.06N 117.64W 1 **¶97i1599**
NEIC M_L3.6(GS), M_D3.6(PAS), After PAS.
ISC I 14 03 07 14.7±.52 **36.82N**±.034 **121.58W**±.064 **6**±7.4 **20 0-1**
NEIC I 14 03 07 14.5 36.83N 121.56W 7 **¶97i1946**
NEIC M_D2.9(GM), After GM−P.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I 22 02 40 18**±1.3	**35.07N**±.044	**119.01W**±.092	**7**±7.3		**24**	**0-3**
NEIC	I 22 02 40 19.8	35.08N	118.95W	11			**¶97i3270**
NEIC	M_D3.4(PAS), M_L3.2(GS), After PAS.						
NEIC	**I 24 16 10 03.5**	**36.10N**	**118.23W**	**1**			**1-1**
NEIC	M_D2.8(PAS), After PAS.						**¶97i3665**
ISC	**I 24 17 42 00.0**±.54	**36.09N**±.041	**118.23W**±.047	**0**		**21**	**0-3**
NEIC	I 24 17 42 00.0	36.10N	118.23W	0			**¶97i3673**
NEIC	M_D3.2(PAS), M_D3.0(GM). Felt, After PAS.						
NEIC	ML 2.8 (GS)						
ISC	**I 30 13 06 53.1**±.51	**35.71N**±.037	**117.66W**±.045	**5**		**26**	**0-3**
NEIC	I 30 13 06 52.9	35.75N	117.64W	5			**¶97i4490**
NEIC	M_L3.0(GS), M_D3.0(PAS), After PAS.						
ISC	**II 02 02 20 19.5**±.43	**36.20N**±.045	**120.34W**±.053	**9**	3.3b	**32**	**0-33**
EIDC	II 02 02 20 17.6	35.8N	120.6W	0	3.8$_L$,3.2b		**¶97ii0159**
NEIC	II 02 02 20 20.3	36.19N	120.29W	9			
NEIC	M_L4.1(BRK), Mw4.0(BRK), After GM−P.						
NEIC	MD 3.9 (GM), 3.9 (PAS). ML 4.0 (GS). Mo=1.1×10^{15}Nm (BRK).						
ISC	**II 08 21 08 36.5**±.93	**36.80N**±.082	**121.38W**±.073	**3**		**10**	**0-4**
NEIC	II 08 21 08 36.4	36.72N	121.35W	3			**¶97ii1205**
NEIC	M_D3.1(GM), M_L3.0(BRK), After GM−P.						
ISC	**II 17 01 05 11.0**±.71	**36.91N**±.060	**121.36W**±.086	**6**		**9**	**0-3**
NEIC	II 17 01 05 10.5	36.89N	121.35W	6			**¶97ii2442**
NEIC	M_L2.8(GS), M_D2.6(GM), After GM−P.						
ISC	**II 22 23 05 12**±1.1	**37.0N**±.10	**121.7W**±.16	**18**±15		**9**	**0-3**
NEIC	II 22 23 05 11.4	36.98N	121.76W	15			**¶97ii3265**
NEIC	M_L2.9(GS), M_D2.8(GM), After GM−P.						
ISC	**II 25 05 38 52.7**±.61	**35.66N**±.033	**118.09W**±.041	**0**±6.8		**28**	**0-3**
NEIC	II 25 05 38 52.9	35.68N	118.11W	2			**¶97ii3587**
NEIC	M_D3.1(PAS), After PAS.						
ISC	**III 01 17 58 54**±2.4	**36.7N**±.12	**121.7W**±.17	**8**±14	3.1b	**9**	**0-26**
NEIC	III 01 17 58 55.0	36.88N	121.62W	7			**¶97iii0156**
NEIC	M_D2.8(GM), After GM−P.						
ISC	**III 04 10 54 48.5**±.70	**35.59N**±.054	**117.15W**±.089	**5**		**9**	**1-2**
NEIC	III 04 10 54 49.5	35.58N	117.16W	5			**¶97iii0833**
NEIC	M_D2.9(PAS), After PAS.						
ISC	**III 05 23 38 08.6**±.96	**37.97N**±.062	**121.98W**±.086	**11**±10		**15**	**0-1**
NEIC	III 05 23 38 08.6	37.95N	122.01W	11			**¶97iii1150**
NEIC	M_D2.4(GM), M_L2.3(BRK). Felt, After GM−P.						
NEIC	Felt at Concord, Martinez and Walnut Creek.						
ISC	**III 11 06 30 16**±1.2	**37.71N**±.056	**122.6W**±.12	**20**±7.8		**19**	**0-4**
NEIC	III 11 06 30 16.3	37.71N	122.57W	5			**¶97iii2323**
NEIC	M_L3.6(BRK), M_L3.6(GS). Felt, After GM−P.						
NEIC	MD 3.5 (GM). Felt throughout the San Francisco Bay area from Marin County to Monterey including Corte Madera, Daly City, Larkspur, Little Hollywood, Noe Valley, Oakland, Salinas, San Jose, San Rafael, South San Francisco, Terra Linda and Twin Cities.						
ISC	**III 11 06 33 53**±1.4	**37.69N**±.061	**122.6W**±.13	**19**±10		**20**	**0-3**
NEIC	III 11 06 33 53.4	37.71N	122.57W	5			**¶97iii2324**
NEIC	M_L3.6(BRK), M_D3.5(GM). Felt, After GM−P.						
NEIC	Felt throughout the San Francisco Bay area from Marin County to Monterey including Corte Madera, Daly City, Larkspur, Little Hollywood, Noe Valley, Oakland, Salinas, San Jose, San Rafael, South San Francisco, Terra Linda and Twin Cities.						
ISC	**III 13 03 24 28**±1.0	**36.83N**±.079	**121.4W**±.14	**2**±14		**11**	**0-3**
NEIC	III 13 03 24 29.0	36.77N	121.48W	5			**¶97iii2635**
NEIC	M_D2.9(GM), After GM−P.						
ISC	**III 13 21 14 06**±1.0	**36.77N**±.095	**121.5W**±.12	**11**±7.7		**13**	**0-4**
NEIC	III 13 21 14 07.1	36.75N	121.45W	8			**¶97iii2768**
NEIC	M_D3.1(GM), After GM−P.						
ISC	**III 18 16 40 14.0**±.42	**35.01N**±.031	**116.84W**±.044	**0**		**34**	**1-7**
NEIC	III 18 16 40 14.6	34.97N	116.82W	0			**¶97iii3567**
NEIC	M_D3.4(PAS). Felt, After PAS.						
NEIC	Felt in the Barstow area.						
ISC	**III 22 11 31 48.6**±.69	**36.74N**±.047	**121.54W**±.060	**19**±6.2	**3.5b**,3.4s	**62**	**0-32**
EIDC	III 22 11 31 46.0	36.7N	121.7W	0	3.8$_L$,3.4s		**¶97iii4256**
NEIC	III 22 11 31 49.2	36.84N	121.41W	10	3.8b		
NEIC	M_L4.4(GS), Mw4.2(BRK). Felt, After GM−P.						
NEIC	MD 4.1 (GM). ML 4.4 (BRK). Felt from San Francisco and Marin County to Monterey and Salinas. Mo=2.3×10^{15}Nm (BRK).						
ISC	**III 22 13 37 50.5**±.96	**36.79N**±.091	**121.5W**±.14	**15**±10		**14**	**0-3**
NEIC	III 22 13 37 50.7	36.83N	121.41W	9			**¶97iii4270**
NEIC	M_D2.8(GM), After GM−P.						
ISC	**III 28 04 26 32**±1.5	**37.30N**±.085	**122.1W**±.14	**14**±10		**9**	**0-3**
NEIC	III 28 04 26 31.5	37.31N	122.10W	6			**¶97iii5359**
NEIC	M_D2.5(GM). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
ISC	**IV 07 04 46 55**±1.6	**36.5N**±.14	**120.7W**±.11	**14**±19		**10**	**0-4**
NEIC	IV 07 04 46 54.1	36.48N	120.66W	11			**¶97iv1106**
NEIC	M_D2.7(GM), M_D2.6(PAS), After GM−P.						
ISC	**IV 07 08 56 16**±1.7	**36.7N**±.21	**121.3W**±.18	**7**±27		**10**	**0-4**
NEIC	IV 07 08 56 15.7	36.69N	121.31W	5			**¶97iv1131**
NEIC	M_D2.9(GM), After GM−P.						
ISC	**IV 14 23 54 59**±2.1	**36.0N**±.14	**120.73W**±.096	**17**±18		**18**	**0-4**
NEIC	IV 14 23 54 58.3	36.08N	120.63W	6			**¶97iv2527**
NEIC	M_D3.4(GM), M_L3.2(BRK), After GM−P.						
ISC	**IV 16 16 41 02**±1.3	**36.80N**±.072	**121.70W**±.083	**9**±8.4		**26**	**0-8**
NEIC	IV 16 16 41 03.5	36.88N	121.61W	8			**¶97iv2784**
NEIC	M_D3.5(GM), M_L3.3(BRK). Felt, After GM−P.						
NEIC	ML 3.3 (GS). Felt in the epicentral area.						
ISC	**IV 16 17 02 47**±1.3	**36.81N**±.082	**121.71W**±.095	**8**±7.9		**21**	**0-3**
NEIC	IV 16 17 02 47.9	36.88N	121.62W	8			**¶97iv2789**
NEIC	M_D3.2(GM), M_L3.2(GS). Felt, After GM−P.						
NEIC	ML 3.1 (BRK). Felt in the epicentral area.						
ISC	**IV 16 18 06 45**±3.6	**36.8N**±.22	**121.8W**±.31	**7**		**5**	**0-3**
NEIC	IV 16 18 06 46.4	36.87N	121.61W	7			**¶97iv2795**
NEIC	M_D2.2(GM), After GM−P.						
ISC	**IV 17 01 43 14**±1.2	**36.92N**±.099	**121.6W**±.12	**4**±15		**9**	**0-2**
NEIC	IV 17 01 43 13.8	36.88N	121.62W	8			**¶97iv2833**
NEIC	M_L3.0(BRK), M_D2.9(GM). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
ISC	**IV 17 01 44 36**±1.5	**36.8N**±.12	**121.7W**±.12	**8**		**10**	**0-3**
NEIC	IV 17 01 44 36.8	36.88N	121.62W	8			**¶97iv2834**
NEIC	M_D3.1(GM), M_L3.0(BRK). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
ISC	**IV 17 01 52 54**±1.5	**36.8N**±.14	**121.7W**±.12	**12**±12		**13**	**0-4**
NEIC	IV 17 01 52 54.4	36.88N	121.61W	8			**¶97iv2836**
NEIC	M_D3.2(GM), M_L3.2(BRK). Felt, After GM−P.						
NEIC	Felt in the epicentral area.						
ISC	**IV 19 12 44 53**±1.4	**36.0N**±.12	**120.1W**±.12	**20**±26		**10**	**0-3**
NEIC	IV 19 12 44 52.5	36.06N	120.08W	10			**¶97iv3200**
NEIC	M_L2.9(GS), M_D2.8(GM), After GM−P.						
ISC	**IV 20 23 11 19**±1.8	**35.68N**±.055	**116.91W**±.066	**7**±15		**19**	**0-2**
NEIC	IV 20 23 11 19.0	35.62N	116.90W	0			**¶97iv3373**
NEIC	M_D3.1(PAS), M_L3.1(GS), After PAS.						
ISC	**IV 21 07 38 46.4**±.48	**35.02N**±.037	**116.82W**±.047	**1**		**27**	**1-6**
NEIC	IV 21 07 38 47.0	34.97N	116.81W	1			**¶97iv3423**
NEIC	M_D3.6(PAS), M_L3.4(GS), After PAS.						
ISC	**IV 21 21 20 10**±5.6	**36.4N**±.18	**122.3W**±.50	**6**		**6**	**1-3**
NEIC	IV 21 21 20 20.6	36.58N	121.17W	6			**¶97iv3583**
NEIC	M_D2.5(GM), After GM−P.						
ISC	**IV 22 11 18 07.7**±.64	**37.43N**±.050	**121.79W**±.053	**14**±5.7		**26**	**0-4**
NEIC	IV 22 11 18 08.0	37.43N	121.77W	10			**¶97iv3713**
NEIC	M_D3.3(GM), M_L3.3(BRK). Felt, After GM−P.						
NEIC	Felt at Hayward.						
ISC	**IV 22 15 28 46.0**±.74	**37.74N**±.072	**121.62W**±.074	**16**		**8**	**0-2**
NEIC	IV 22 15 28 46.1	37.69N	121.63W	16			**¶97iv3772**
NEIC	M_D2.9(GM), After GM−P.						
ISC	**IV 24 12 32 43**±1.6	**37.6N**±.15	**119.4W**±.11	**16**±24		**6**	**1-3**
NEIC	IV 24 12 32 42.7	37.63N	119.38W	17			**¶97iv4144**
NEIC	M_D2.9(GM), After GM−P.						
ISC	**IV 27 18 23 41.3**±.86	**36.03N**±.038	**118.44W**±.052	**4**±7.9		**27**	**0-3**
NEIC	IV 27 18 23 41.6	36.03N	118.46W	15			**¶97iv4774**
NEIC	M_D3.2(GM), M_L2.9(PAS), After GM−P.						
NEIC	ML 2.9 (GS).						
ISC	**V 01 22 07 36**±1.5	**36.0N**±.16	**120.7W**±.18	**11**±13		**9**	**1-3**
NEIC	V 01 22 07 35.9	36.05N	120.61W	6			**¶97v0166**
NEIC	M_D2.8(GM), M_L2.7(PAS), After GM−P.						
ISC	**V 02 12 31 05.4**±.74	**37.70N**±.048	**122.53W**±.073	**17**±7.7		**20**	**0-4**
NEIC	V 02 12 31 05.6	37.71N	122.52W	5			**¶97v0264**
NEIC	M_L3.2(BRK), M_D3.1(GM). Felt, After GM−P.						
NEIC	Felt in the San Francisco−Daly City−Pacifica area.						
ISC	**V 06 19 12 53.2**±.57	**35.43N**±.024	**118.43W**±.031	**11**±4.7	3.5b,3.7s	**69**	**0-27**
EIDC	V 06 19 12 48.4	35.1N	119.0W	0	4.0$_L$,3.6b		**¶97v0997**
ECX	V 06 19 12 53.1	35.44N	118.42W	10	4.4$_D$		
NEIC	V 06 19 12 53.7	35.45N	118.43W	6	4.3b		
NEIC	M_L4.5(PAS). Felt, After PAS.						
NEIC	Felt in the Lake Isabella area.						
ISC	**V 08 06 59 04.1**±.63	**35.72N**±.032	**117.61W**±.045	**2**±6.1		**32**	**0-5**
NEIC	V 08 06 59 04.8	35.73N	117.63W	6			**¶97v1197**
NEIC	M_L3.0(PAS), After PAS.						
ISC	**V 13 20 04 51.0**±.70	**36.29N**±.071	**120.46W**±.068	**11**		**13**	**0-3**
NEIC	V 13 20 04 50.5	36.28N	120.46W	11			**¶97v2313**
NEIC	M_D2.9(GM), After GM−P.						
ISC	**V 14 10 27 58**±1.3	**36.4N**±.12	**121.1W**±.15	**11**±7.6		**10**	**0-3**
NEIC	V 14 10 27 58.5	36.45N	121.06W	5			**¶97v2429**
NEIC	M_D2.8(GM), After GM−P.						
ISC	**V 15 16 45 10**±1.2	**36.85N**±.098	**121.6W**±.14	**8**±9.7		**10**	**0-2**
NEIC	V 15 16 45 10.1	36.85N	121.58W	6			**¶97v2649**
NEIC	M_D2.7(GM), After GM−P.						
ISC	**V 19 13 17 47.0**±.88	**35.24N**±.038	**117.24W**±.054	**2**±8.4		**25**	**0-3**
NEIC	V 19 13 17 47.8	35.22N	117.24W	5			**¶97v3258**
NEIC	M_L2.8(PAS), After PAS.						
ISC	**V 21 04 53 26**±8.3	**35.5N**±.47	**121.3W**±.63	**11**		**6**	**2-4**
NEIC	V 21 04 53 33.0	35.97N	120.52W	11			**¶97v3515**
NEIC	M_D2.8(GM), M_L2.6(PAS), After GM−P.						
ISC	**V 21 18 15 55.0**±.81	**36.81N**±.068	**121.23W**±.086	**8**		**9**	**0-4**
NEIC	V 21 18 15 55.1	36.77N	121.28W	8			**¶97v3592**
NEIC	M_D2.8(GM), After GM−P.						
ISC	**V 23 06 48 31.2**±.38	**35.01N**±.033	**116.82W**±.040	**1**		**33**	**0-6**
NEIC	V 23 06 48 32.1	34.97N	116.81W	1			**¶97v3904**
NEIC	M_L3.6(PAS), M_L3.5(GS), After PAS.						
ISC	**V 23 13 22 01.0**±.43	**35.01N**±.033	**116.80W**±.043	**1**		**30**	**0-6**
NEIC	V 23 13 22 01.8	34.97N	116.81W	1			**¶97v3958**
NEIC	M_L3.3(PAS), M_L3.0(GS), After PAS.						
ISC	**V 24 04 36 14.6**±.31	**35.66N**±.028	**117.65W**±.038	**5**	3.1b	**57**	**0-34**
EIDC	V 24 04 36 12.2	35.7N	117.9W	0	3.6$_L$,3.2b		**¶97v4051**
NEIC	V 24 04 36 13.2	35.80N	117.64W	5			
NEIC	M_L4.0(PAS), After PAS.						
ISC	**V 26 13 27 16.8**±.94	**35.90N**±.051	**120.55W**±.069	**16**±13		**38**	**0-4**
NEIC	V 26 13 27 16.5	35.94N	120.49W	10			**¶97v4420**
NEIC	M_D3.2(GM), M_L3.1(BRK), After GM−P.						
NEIC	ML 3.0 (PAS).						
ISC	**V 29 10 21 06.2**±.56	**37.07N**±.057	**121.59W**±.074	**24**±7.3		**29**	**0-7**
NEIC	V 29 10 21 06.8	37.12N	121.52W	8			**¶97v4852**
NEIC	M_L3.6(BRK), Mw3.4(BRK). Felt, After GM−P.						
NEIC	MD 3.4 (GM). Felt in the epicentral area. Mo=1.2×10^{14}Nm (BRK).						
ISC	**V 29 10 22 45**±1.1	**37.12N**±.073	**121.5W**±.11	**11**±13		**9**	**0-2**
NEIC	V 29 10 22 45.1	37.12N	121.52W	7			**¶97v4854**
NEIC	M_D2.8(GM), After GM−P.						
ISC	**V 29 18 28 43.8**±.57	**37.08N**±.057	**121.61W**±.076	**23**±7.6		**27**	**0-7**
NEIC	V 29 18 28 44.0	37.12N	121.52W	8			**¶97v4911**
NEIC	M_L3.8(BRK), Mw3.4(BRK). Felt, After GM−P.						
NEIC	MD 3.4 (GM). Felt in the epicentral area. Mo=1.2×10^{14}Nm (BRK).						
ISC	**VI 02 06 25 22**±1.5	**36.5N**±.11	**121.3W**±.15	**13**±8.5		**12**	**0-4**
NEIC	VI 02 06 25 22.2	36.60N	121.21W	6			**¶97vi0194**
NEIC	M_D3.1(GM), After GM−P.						
ISC	**VI 02 07 04 31**±1.1	**36.6N**±.11	**121.3W**±.14	**11**±11		**10**	**0-3**
NEIC	VI 02 07 04 30.7	36.60N	121.20W	7			**¶97vi0200**
NEIC	M_D2.8(GM), After GM−P.						
ISC	**VI 05 22 43 18**±1.5	**35.9N**±.12	**117.9W**±.17	**6**		**5**	**1-3**
NEIC	VI 05 22 43 18.2	35.97N	117.98W	6			**¶97vi0843**
NEIC	M_L2.9(PAS), After PAS.						
ISC	**VI 10 01 02 40.1**±.39	**35.95N**±.032	**117.68W**±.039	**2**		**34**	**0-7**
NEIC	VI 10 01 02 40.0	35.98N	117.67W	2			**¶97vi1455**
NEIC	M_L3.4(PAS), M_L3.2(GS), After PAS.						
ISC	**VI 13 19 14 56**±1.6	**36.6N**±.11	**121.4W**±.14	**10**±9.0		**11**	**0-4**
NEIC	VI 13 19 14 56.1	36.65N	121.26W	4			**¶97vi2030**
NEIC	M_D3.1(GM), After GM−P.						
ISC	**VI 24 04 48 57.2**±.61	**35.27N**±.028	**118.61W**±.044	**6**±5.8		**32**	**0-4**
NEIC	VI 24 04 48 58.0	35.28N	118.59W	5			**¶97vi3642**
NEIC	M_L3.4(PAS), M_L3.4(GS), After PAS.						
ISC	**VI 24 07 14 33**±5.3	**37.13N**±.073	**120.14W**±.083	**5**±46		**9**	**1-3**
NEIC	VI 24 07 14 34.2	37.12N	120.13W	15			**¶97vi3664**
NEIC	M_D2.6(GM), After GM−P.						
ISC	**VI 27 15 20 18**±1.2	**35.26N**±.073	**117.0W**±.17	**3**		**5**	**1-2**
NEIC	VI 27 15 20 18.5	35.24N	116.92W	3			**¶97vi4313**
NEIC	M_L2.8(PAS), After PAS.						
ISC	**VI 27 20 17 45**±1.3	**35.41N**±.057	**118.25W**±.068	**10**±12		**15**	**0-4**
NEIC	VI 27 20 17 45.8	35.44N	118.31W	6			**¶97vi4364**
NEIC	M_L3.7(GS), M_L3.4(PAS). Felt, After PAS.						
NEIC	Felt at Lake Isabella.						

ISC VI 30 01 05 30.5±.42 **35.02N**±.031 **116.86W**±.044 **1** **33 0-6**
NEIC VI 30 01 05 31.2 34.97N 116.81W 1 **¶97vi4693**
NEIC M_L3.4(PAS), M_L3.3(GS), After PAS.

(40) California-Nevada border region.

ISC I 02 07 00 56±1.2 **38.5N**±.12 **119.6W**±.12 **33** **6 1-3**
¶97i0169
ISC I 04 14 58 34.8±.27 **36.02N**±.026 **117.57W**±.029 **1** **3.4b** **73 0-39**
EIDC I 04 14 58 33.0 35.9N 118.1W 0 3.3L,3.3b **¶97i0548**
NEIC I 04 14 58 35.1 36.07N 117.65W 1
NEIC M_L4.0(GS), M_D3.8(PAS), After PAS.
ISC I 04 15 25 27.1±.36 **36.02N**±.026 **117.57W**±.037 **1** **57 0-8**
NEIC I 04 15 25 27.2 36.06N 117.64W 1 **¶97i0549**
NEIC M_L3.5(GS), M_D3.1(PAS), After PAS.
ISC I 04 18 49 46.2±.79 **36.10N**±.056 **117.8W**±.10 **2** **11 1-3**
NEIC I 04 18 49 44.2 36.06N 117.65W 2 **¶97i0574**
NEIC M_D2.6(PAS), M_L2.6(GS), After PAS.
ISC I 09 03 31 48±1.3 **38.85N**±.099 **119.5W**±.12 **5** **8 1-3**
NEIC I 09 03 31 47.8 38.85N 119.59W 5 **¶97i1161**
NEIC M_L3.1(BRK), M_D2.9(GM), Less reliable solution.
NEIC ML 2.9 (GS).
ISC I 15 19 23 57.8±.75 **37.64N**±.084 **118.82W**±.070 **12**±7.2 **13 0-3**
NEIC I 15 19 23 56.4 37.48N 118.81W 10 **¶97i2197**
NEIC M_L3.0(BRK), M_D2.8(GM), After GM−P.
ISC I 16 07 36 57.8±.97 **37.45N**±.056 **118.67W**±.064 **19**±13 **24 0-3**
NEIC I 16 07 36 56.2 37.33N 118.69W 15 **¶97i2269**
NEIC M_D3.1(GM), M_L3.1(GS), After GM−P.
NEIC ML 3.0 (BRK).
NEIC I 16 20 46 39.7 37.32N 118.54W 15 **2-2**
NEIC M_L3.2(BRK), M_D3.1(GM), After GM−P. **¶97i2358**
ISC I 21 01 35 32.3±.59 **38.68N**±.050 **119.57W**±.055 **5** **27 1-3**
NEIC I 21 01 35 31.8 38.70N 119.58W 5 **¶97i3114**
NEIC M_D3.0(GM).
NEIC I 25 10 21 33.6 38.55N 119.54W 2 **1-3**
NEIC M_D2.8(GM), After GM−P. **¶97i3788**
NEIC I 26 09 48 03.7 38.66N 119.51W 0 **1-2**
NEIC M_D2.8(GM), After GM−P. **¶97i3918**
ISC I 30 18 48 20.8±.61 **36.06N**±.040 **117.59W**±.059 **1** **25 0-3**
NEIC I 30 18 48 21.0 36.08N 117.63W 1 **¶97i4528**
NEIC M_D3.2(PAS), M_L3.1(GS), After PAS.
NEIC II 07 19 40 03.9 38.65N 119.55W 4 **1-1**
NEIC M_D2.8(GM), After GM−P. **¶97ii1027**
ISC II 10 23 26 29.7±.26 **37.63N**±.026 **118.84W**±.030 **10** **60 0-15**
NEIC II 10 23 26 28.8 37.56N 118.86W 10 **¶97ii1553**
EIDC II 10 23 26 30.6 37.6N 118.7W 0 4.1L
NEIC M_L4.6(BRK), Mw4.2(BRK). Felt, After GM−P.
NEIC MD 4.2 (GM). Felt at Bishop and Mammoth Lakes, California. Mo=2.1×10^{15}Nm (BRK).
ISC II 14 12 17 02.5±.63 **38.78N**±.062 **119.58W**±.069 **0** **13 1-4**
NEIC II 14 12 17 04.4 38.73N 119.65W 0 **¶97ii2053**
NEIC M_L3.0(BRK), M_D2.9(GM), After GM−P.
ISC II 15 04 22 09.7±.29 **36.06N**±.027 **117.55W**±.033 **3** 3.3b **57 0-27**
EIDC II 15 04 21 34.1 32.2N 122.3W 0 3.9L,3.6b **¶97ii2171**
NEIC II 15 04 22 10.1 36.07N 117.63W 3
NEIC M_L4.1(BRK), M_D3.8(PAS), After PAS.
NEIC ML 3.8 (GS).
ISC II 15 04 59 42.2±.61 **36.09N**±.051 **117.50W**±.072 **5** **14 0-5**
NEIC II 15 04 59 42.8 36.09N 117.64W 5 **¶97ii2176**
NEIC M_L3.0(GS), M_D2.9(PAS), After PAS.
ISC II 15 08 13 47.7±.31 **36.05N**±.030 **117.58W**±.036 **4** 3.0b **47 0-27**
EIDC II 15 08 13 27.4 35.7N 120.3W 0 3.5L,3.0b **¶97ii2195**
NEIC II 15 08 13 47.9 36.08N 117.64W 4
NEIC M_L3.7(GS), M_D3.7(PAS), After PAS.
NEIC MD 3.5 (GM).
ISC II 15 08 27 08±1.5 **36.0N**±.10 **117.5W**±.14 **4** **7 0-3**
NEIC II 15 08 27 08.4 36.09N 117.64W 4 **¶97ii2197**
NEIC M_D2.8(PAS), After PAS.
ISC II 15 14 11 07.4±.46 **36.11N**±.036 **117.58W**±.053 **4** **33 0-5**
NEIC II 15 14 11 08.4 36.08N 117.63W 4 **¶97ii2245**
NEIC M_D2.6(PAS), After PAS.
ISC II 23 19 46 04.7±.86 **38.5N**±.12 **119.56W**±.086 **5** **7 1-3**
NEIC II 23 19 46 05.2 38.65N 119.61W 5 **¶97ii3364**
NEIC M_D2.8(GM), After GM−P.
ISC II 24 16 26 55.7±.40 **37.66N**±.037 **118.86W**±.046 **10** **44 0-5**
NEIC II 24 16 26 54.8 37.57N 118.85W 10 **¶97ii3504**
NEIC M_L3.6(GS), M_L3.6(BRK). Felt, After GM−P.
NEIC MD 3.5 (GM). Felt at Mammoth Lakes, California.
ISC II 24 16 50 56.3±.56 **37.59N**±.059 **118.81W**±.057 **9** **14 0-3**
NEIC II 24 16 50 56.0 37.57N 118.85W 9 **¶97ii3510**
NEIC M_L3.3(GS), M_L3.3(BRK), After GM−P.
NEIC MD 3.2 (GM).
ISC II 24 18 11 59.2±.66 **37.62N**±.066 **118.87W**±.061 **9** **12 0-3**
NEIC II 24 18 11 58.9 37.57N 118.85W 9 **¶97ii3517**
NEIC M_L3.1(BRK), M_D3.1(GM), After GM−P.
NEIC ML 3.0 (GS).
ISC II 24 18 13 26.8±.25 **37.62N**±.026 **118.89W**±.030 **10** **3.7b** **69 0-39**
NEIC II 24 18 13 25.5 37.57N 118.85W 10 **¶97ii3519**
EIDC II 24 18 13 29.7 37.9N 118.9W 0 3.7b,3.8L
NEIC M_L4.5(GS), Mw4.0(BRK). Felt, After GM−P.
NEIC MD 4.1 (GM). ML 4.5 (BRK). Felt at Mammoth Lakes and Visalia, California.
Mo=1.2×10^{15}Nm (BRK).
ISC III 08 15 36 51.1±.46 **36.07N**±.038 **117.55W**±.052 **1** **36 0-7**
NEIC III 08 15 36 51.8 36.10N 117.67W 1 **¶97iii1784**
NEIC M_D3.6(PAS), M_L3.4(GS), After PAS.
ISC III 11 07 03 41.7±.88 **37.38N**±.064 **118.59W**±.064 **6**±7.3 **15 0-5**
NEIC III 11 07 03 41.4 37.37N 118.58W 10 **¶97iii2329**
NEIC M_L3.1(BRK), M_D3.0(GM), After GM−P.
NEIC ML 3.0 (GS).
ISC III 14 18 43 01±2.3 **37.01N**±.097 **118.3W**±.12 **3**±21 **7 0-3**
NEIC III 14 18 43 01.0 37.03N 118.34W 10 **¶97iii2932**
NEIC M_D2.7(GM).
ISC III 15 08 31 44.9±.85 **38.62N**±.069 **119.84W**±.088 **0** **7 1-2**
NEIC III 15 08 31 46.2 38.59N 119.85W 0 **¶97iii3018**
NEIC M_D2.8(GM), After GM−P.
ISC III 20 03 08 08.9±.54 **37.48N**±.055 **118.77W**±.060 **12** **21 1-5**
NEIC III 20 03 08 07.2 37.49N 118.83W 12 **¶97iii3821**
NEIC M_L3.4(BRK), M_D3.3(GM), After GM−P.
NEIC ML 3.3 (GS).
ISC III 24 19 54 34±1.4 **38.85N**±.051 **119.63W**±.059 **0**±12 **18 0-4**
NEIC III 24 19 54 33.9 38.85N 119.64W 5 **¶97iii4611**
NEIC $M_{L3.4}$(BRK), $M_{L3.3}$(GS).
NEIC MD 3.2 (GM).
ISC III 26 04 02 36.1±.45 **37.39N**±.036 **118.57W**±.056 **9** **34 1-3**
NEIC III 26 04 02 35.0 37.38N 118.58W 9 **¶97iii4837**
NEIC M_D3.2(GM), M_L3.2(BRK), After GM−P.
NEIC ML 3.0 (GS).
ISC III 29 09 46 01.4±.55 **38.77N**±.052 **119.60W**±.055 **8** **23 1-4**
NEIC III 29 09 46 01.9 38.75N 119.66W 8 **¶97iii5568**
NEIC M_L3.3(BRK), M_L3.3(GS), After GM−P.
NEIC MD 3.1 (GM).
ISC IV 02 03 25 20.3±.64 **37.57N**±.069 **118.87W**±.062 **3** **15 0-5**
NEIC IV 02 03 25 19.1 37.61N 118.89W 3 **¶97iv0184**
NEIC M_L3.3(BRK), M_D3.2(GM), After GM−P.
ISC IV 10 12 42 47.2±.78 **37.6N**±.10 **118.95W**±.090 **6** **8 0-2**
NEIC IV 10 12 42 47.0 37.60N 118.91W 6 **¶97iv1694**
NEIC M_D2.8(GM), After GM−P.
ISC IV 10 19 43 41.8±.76 **37.63N**±.091 **118.90W**±.078 **6** **9 0-2**
NEIC IV 10 19 43 41.4 37.60N 118.91W 6 **¶97iv1738**
NEIC M_D3.0(GM), After GM−P.
ISC IV 11 19 15 47.6±.85 **37.6N**±.11 **118.9W**±.11 **6** **7 0-2**
NEIC IV 11 19 15 47.2 37.60N 118.91W 6 **¶97iv1959**
NEIC M_D3.0(GM), After GM−P.
ISC IV 14 08 57 22.8±.44 **38.12N**±.052 **118.71W**±.043 **6** **26 1-6**
NEIC IV 14 08 57 22.4 38.07N 118.73W 6 **¶97iv2424**
NEIC M_L3.2(BRK), M_D3.1(GM), After GM−P.
ISC IV 14 11 20 54.2±.26 **38.09N**±.029 **118.72W**±.029 **0** **3.8b** **66 1-77**
NEIC IV 14 11 20 53.2 38.07N 118.76W 0 4.2b **¶97iv2450**
EIDC IV 14 11 20 53.8 38.2N 118.8W 0 3.8b,3.7L
NEIC M_L4.2(BRK), M_D4.0(GM), After GM−P.
ISC IV 17 11 54 42±1.3 **37.4N**±.11 **118.6W**±.13 **11** **5 1-4**
NEIC IV 17 11 54 41.9 37.45N 118.60W 11 **¶97iv2891**
NEIC M_D2.8(GM), After GM−P.
ISC IV 20 23 11 46.2±.76 **38.0N**±.10 **118.62W**±.075 **10** **8 0-3**
NEIC IV 20 23 11 45.4 38.07N 118.73W 10 **¶97iv3374**
NEIC M_D3.1(GM), M_L3.1(BRK), After GM−P.
ISC V 03 02 02 34±1.8 **38.6N**±.12 **119.9W**±.16 **1** **5 1-2**
NEIC V 03 02 02 35.1 38.59N 119.86W 1 **¶97v0357**
NEIC M_D2.8(GM), After GM−P.
ISC V 05 19 39 22.6±.60 **37.62N**±.061 **118.82W**±.060 **10** **13 0-2**
NEIC V 05 19 39 21.9 37.61N 118.84W 10 **¶97v0841**
NEIC M_L3.0(BRK), M_D2.8(GM), After GM−P.
ISC V 26 00 23 50.9±.49 **37.56N**±.044 **118.81W**±.055 **7** **37 0-3**
NEIC V 26 00 23 49.4 37.51N 118.87W 7 **¶97v4341**
NEIC M_D3.3(GM), M_L3.5(BRK), After GM−P.
ISC V 26 08 54 58.5±.58 **37.57N**±.057 **118.81W**±.060 **9** **14 0-3**
NEIC V 26 08 54 57.8 37.54N 118.86W 9 **¶97v4393**
NEIC M_D2.9(GM), M_L3.0(BRK), After GM−P.
ISC V 26 14 49 11.7±.94 **36.10N**±.094 **118.0W**±.10 **8** **7 0-3**
NEIC V 26 14 49 11.4 36.17N 118.08W 8 **¶97v4427**
NEIC M_D2.7(GM), M_L2.7(PAS), After GM−P.
ISC VI 14 19 48 21.2±.38 **36.81N**±.041 **115.85W**±.046 **5** **46 0-13**
NEIC VI 14 19 48 19.8 36.64N 115.82W 5 **¶97vi2165**
EIDC VI 14 19 48 20.2 36.6N 116.1W 0 3.4L
NEIC $M_{L3.5}$(GS).
ISC VI 17 14 16 46.2±.75 **38.17N**±.064 **119.19W**±.078 **12** **13 1-3**
NEIC VI 17 14 16 45.9 38.16N 119.26W 12 **¶97vi2645**
NEIC M_L3.0(BRK), M_D2.9(GM), After GM−P.
ISC VI 27 01 46 16±1.2 **37.48N**±.067 **118.75W**±.060 **6**±11 **13 0-2**
NEIC VI 27 01 46 16.0 37.47N 118.79W 12 **¶97vi4221**
NEIC M_L3.2(BRK), M_D3.1(GM), After GM−P.

(41) Southern Nevada.

ISC IV 26 01 49 35±1.7 **37.17N**±.036 **115.96W**±.037 **5**±13 3.0b **56 0-25**
NEIC IV 26 01 49 35.2 37.16N 115.94W 5 **¶97iv4451**
EIDC IV 26 01 49 37.2 37.4N 116.2W 0 3.6L,3.0b
NEIC $M_{L4.3}$(GS).

(42) Western Arizona.

ISC III 31 07 34 49.3±.57 **35.55N**±.047 **112.00W**±.058 **5** **25 0-9**
NEIC III 31 07 34 48.9 35.53N 111.99W 5 **¶97iii5861**
EIDC III 31 07 34 50.2 35.5N 112.4W 0 3.1L
NEIC $M_{L3.7}$(GS)
NEIC Felt at Flagstaff, Grand Canyon Village and Valle.
ISC III 31 15 46 10±1.5 **35.50N**±.076 **112.0W**±.11 **1**±13 **15 0-5**
NEIC III 31 15 46 09.9 35.50N 112.04W 5 **¶97iii5900**
NEIC $M_{L3.3}$(GS)
NEIC Felt at Valle.
ISC IV 06 11 48 41±1.5 **35.54N**±.083 **112.0W**±.15 **7**±12 **10 0-4**
¶97iv0990

(43) Southern California.

ISC I 08 15 30 36.1±.64 **34.05N**±.046 **117.23W**±.046 **7**±6.9 **26 0-3**
NEIC I 08 15 30 36.7 34.04N 117.25W 16 **¶97i1081**
NEIC M_L2.8(GS), M_D2.6(PAS). Felt, After PAS.
NEIC Felt at Salton City.
ISC I 09 09 01 55.3±.87 **34.28N**±.045 **116.56W**±.077 **3** **25 0-4**
NEIC I 09 09 01 54.2 34.37N 116.46W 3 **¶97i1195**
NEIC M_L3.1(GS), M_D2.9(PAS), After PAS.
ISC I 13 11 29 36±1.3 **33.41N**±.073 **116.91W**±.059 **9**±9.0 **19 0-5**
NEIC I 13 11 29 37.6 33.45N 116.90W 14 **¶97i1830**
ECX I 13 11 29 38.5 33.39N 116.99W 8 3.6D
NEIC M_D3.6(PAS). Felt, After PAS.
NEIC Felt in the Escondido area.
ISC I 13 16 09 35.1±.52 **33.32N**±.046 **115.89W**±.066 **4** **23 0-5**
NEIC I 13 16 09 34.8 33.27N 116.01W 4 **¶97i1866**
ECX I 13 16 09 35.4 33.39N 115.92W 9 8.8D
NEIC M_L3.7(GS), M_D3.5(PAS), After PAS.
ISC I 13 16 43 59.3±.72 **33.36N**±.056 **116.96W**±.054 **9** **21 0-2**
NEIC I 13 16 43 59.6 33.38N 116.98W 9 **¶97i1872**
NEIC M_D2.9(PAS). Felt, After PAS.
NEIC Felt slightly in the Escondido area.
ISC I 15 16 17 18.9±.73 **33.82N**±.048 **116.99W**±.048 **13**±7.2 **23 0-3**
NEIC I 15 16 17 19.3 33.82N 117.00W 13 **¶97i2176**
ECX I 15 16 17 19.4 33.79N 117.08W 5 3.4D
NEIC M_D3.2(PAS), M_L3.1(GS). Felt, After PAS.
NEIC Felt at Hemet and in the Perris Lake area.
ISC I 16 06 58 35±1.7 **34.90N**±.057 **120.82W**±.088 **3**±9.9 **40 1-3**
NEIC I 16 06 58 37.7 34.95N 120.74W 6 **¶97i2267**
NEIC M_D3.0(PAS), After PAS.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I 18 00 11 30.2**±.62	**34.15N**±.039	**116.37W**±.069	**1**		**19**	**0-2**
NEIC	I 18 00 11 30.7	34.16N	116.42W	1			**¶97i2569**
NEIC	M_D3.1(PAS), M_L3.1(GS). Felt, After PAS.						
NEIC	Felt at Yucca Valley.						
ISC	**I 18 00 44 07.9**±.72	**34.33N**±.042	**118.73W**±.046	**14**±6.5		**33**	**0-2**
NEIC	I 18 00 44 08.5	34.36N	118.74W	17			**¶97i2572**
NEIC	M_D3.0(PAS), M_L3.0(GS). Felt, After PAS.						
NEIC	Felt in Simi Valley.						
ISC	**I 24 18 27 51.1**±.70	**34.24N**±.040	**117.43W**±.053	**7**±7.4		**19**	**0-2**
NEIC	I 24 18 27 51.8	34.22N	117.43W	13			**¶97i3677**
NEIC	M_L3.2(GS), M_D3.1(PAS). Felt, After PAS.						
ISC	**I 26 12 48 22**±1.1	**34.27N**±.052	**116.41W**±.098	**13**±10		**19**	**0-2**
NEIC	I 26 12 48 21.1	34.34N	116.47W	5			**¶97i3945**
NEIC	M_D2.7(PAS), After PAS.						
ISC	**I 31 12 25 40.4**±.72	**33.92N**±.047	**117.77W**±.038	**5**±6.1		**29**	**0-9**
NEIC	I 31 12 25 41.0	33.91N	117.79W	9			**¶97i4624**
NEIC	M_L3.5(GS), M_D3.5(PAS). Felt, After PAS.						
NEIC	Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.						
ISC	**II 02 23 52 01.3**±.73	**33.47N**±.065	**116.77W**±.046	**7**±8.4		**18**	**0-2**
NEIC	II 02 23 52 02.1	33.49N	116.78W	8			**¶97ii0298**
NEIC	M_D2.8(PAS), After PAS.						
ISC	**II 03 05 16 07.8**±.45	**34.02N**±.043	**116.41W**±.045	**1**		**26**	**0-4**
NEIC	II 03 05 16 07.9	34.05N	116.40W	1			**¶97ii0325**
NEIC	M_D3.0(PAS). Felt, After PAS.						
NEIC	Felt in the Yucca Valley area.						
ISC	**II 03 11 04 13.6**±.66	**34.27N**±.038	**118.60W**±.053	**6**±6.8		**29**	**0-7**
NEIC	II 03 11 04 14.3	34.30N	118.57W	2			**¶97ii0368**
NEIC	M_D3.2(PAS). Felt, After PAS.						
NEIC	Felt in the San Fernando Valley.						
ISC	**II 07 06 59 48.7**±.77	**33.49N**±.040	**116.54W**±.054	**10**±6.1		**31**	**0-7**
ECX	II 07 06 59 48.7	33.50N	116.55W	12	3.8D		**¶97ii0957**
NEIC	II 07 06 59 49.6	33.50N	116.56W	6			
NEIC	M_D3.8(PAS), M_L3.8(GS), After PAS.						
ISC	**II 15 15 14 53.3**±.64	**34.01N**±.034	**117.57W**±.048	**1**±6.8		**30**	**0-6**
NEIC	II 15 15 14 54.1	34.00N	117.58W	4			**¶97ii2253**
NEIC	M_D3.1(PAS), After PAS.						
ISC	**II 18 20 56 21**±1.3	**34.2N**±.13	**117.7W**±.12	**5**		**4**	**0-2**
NEIC	II 18 20 56 22.2	34.10N	117.74W	5			**¶97ii2688**
ISC	Poorly determined						
NEIC	M_D2.3(PAS). Felt, After PAS.						
NEIC	Felt in the Claremont area.						
NEIC	**II 21 04 14 28.1**	**34.46N**	**115.89W**	**6**			**1-2**
NEIC	M_D2.7(PAS). Felt, After PAS.						**¶97ii3013**
ISC	**II 21 13 23 24**±1.7	**34.34N**±.058	**119.75W**±.080	**12**±13		**30**	**1-7**
NEIC	II 21 13 23 25.0	34.40N	119.70W	2			**¶97ii3076**
NEIC	M_D3.6(PAS). Felt, After PAS.						
NEIC	Felt at Santa Barbara.						
ISC	**II 23 03 43 32.1**±.84	**33.75N**±.040	**116.01W**±.042	**7**±7.7	**3.8b**	**48**	**0-50**
ECX	II 23 03 43 31.7	33.76N	115.99W	5	3.9D		**¶97ii3287**
NEIC	II 23 03 43 33.1	33.74N	116.04W	8			
EIDC	II 23 03 43 33.7	33.6N	116.2W	17	3.7L,3.7b		
NEIC	M_L3.9(GS), M_D3.8(PAS). Felt, After PAS.						
NEIC	Felt in the Coachella Valley.						
ISC	**II 23 03 44 58.6**±.48	**33.73N**±.041	**116.05W**±.045	**9**±6.2		**20**	**0-1**
NEIC	II 23 03 44 59.2	33.74N	116.04W	7			**¶97ii3288**
NEIC	M_D3.5(PAS). Felt, After PAS.						
NEIC	Felt in the Coachella Valley.						
ISC	**II 23 03 48 50.5**±.79	**33.72N**±.047	**116.07W**±.060	**1**±8.4		**31**	**0-6**
ECX	II 23 03 48 50.3	33.73N	116.05W	5	3.1D		**¶97ii3290**
NEIC	II 23 03 48 51.1	33.74N	116.04W	8			
NEIC	M_L3.1(GS), M_D3.1(PAS). Felt, After PAS.						
NEIC	Felt in the Coachella Valley.						
ISC	**II 26 08 55 08**±1.6	**34.36N**±.084	**120.9W**±.13	**6**		**29**	**1-5**
NEIC	II 26 08 55 10.5	34.41N	120.76W	6			**¶97ii3771**
NEIC	M_D2.9(PAS), After PAS.						
ISC	**II 26 09 03 03**±2.7	**34.41N**±.082	**120.8W**±.12	**17**±23		**33**	**1-5**
NEIC	II 26 09 03 03.6	34.45N	120.71W	6			**¶97ii3772**
NEIC	M_D3.2(PAS), After PAS.						
ISC	**III 08 00 44 17.4**±.91	**34.03N**±.053	**117.56W**±.058	**2**±7.3		**27**	**0-3**
NEIC	III 08 00 44 17.6	34.00N	117.58W	3			**¶97iii1631**
NEIC	M_D3.0(PAS), M_L3.0(GS). Felt, After PAS.						
NEIC	Felt in the Ontario area.						
ISC	**III 18 09 47 40.0**±.48	**34.99N**±.035	**116.85W**±.047	**1**		**26**	**0-5**
NEIC	III 18 09 47 40.4	34.97N	116.82W	1			**¶97iii3520**
NEIC	M_D3.1(PAS), After PAS.						
ISC	**III 18 15 24 46.6**±.21	**34.96N**±.023	**116.83W**±.025	**2**	**4.3b,4.4s**	**121**	**0-122**
ECX	III 18 15 24 47.4	34.96N	116.82W	10	5.4D		**¶97iii3558**
NEIC	III 18 15 24 47.7	34.97N	116.82W	2	4.7b,4.7s		
MOS	III 18 15 24 47.9	35.0N	116.9W	10	5.2b		
BJI	III 18 15 24 48.7	35.04N	117.07W	11	4.8b		
EIDC	III 18 15 24 48.7	34.9N	116.8W	9	4.3b,4.3s		
NEIC	M_D5.1(PAS). Damage I=VI MM, After PAS.						
NEIC	Minor damage I=VI MM in the Barstow area. Felt V MM at Hinkley, Newberry Springs, Oro Grande and Rancho Cucamonga; IV MM at Arcadia, Baker, Boron, El Monte, Fort Irwin, Glendale, Llano, Mojave, Mount Baldy, Newberry Springs, Rosamond, San Bernardino, Seal Beach, Tecopa, West Arcadia and Yermo. Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.						
ISC	**III 18 15 39 37.6**±.81	**34.96N**±.080	**116.80W**±.098	**0**		**7**	**1-4**
NEIC	III 18 15 39 38.5	34.97N	116.82W	0			**¶97iii3559**
NEIC	M_D2.8(PAS), After PAS.						
ISC	**III 18 16 19 22.5**±.30	**34.97N**±.028	**116.85W**±.032	**1**	**3.3b**	**48**	**0-35**
NEIC	III 18 16 19 23.0	34.97N	116.83W	1			**¶97iii3564**
EIDC	III 18 16 19 24.2	34.9N	116.9W	0	3.3b,3.6L		
ECX	III 18 16 19 24.4	34.94N	116.97W	10	3.7D		
NEIC	M_D3.7(PAS). Felt, After PAS.						
NEIC	Felt in the Barstow area.						
ISC	**III 18 21 28 53.5**±.67	**34.97N**±.043	**116.82W**±.059	**1**		**22**	**0-2**
NEIC	III 18 21 28 54.1	34.97N	116.83W	1			**¶97iii3592**
NEIC	M_D3.1(PAS), After PAS.						
ISC	**III 19 04 45 18.6**±.44	**35.00N**±.035	**116.84W**±.043	**0**		**32**	**1-7**
NEIC	III 19 04 45 19.0	34.97N	116.82W	0			**¶97iii3634**
NEIC	M_D3.4(PAS), M_L3.3(GS), After PAS.						
ISC	**III 20 18 12 36.1**±.76	**33.79N**±.041	**116.95W**±.052	**15**±7.4		**22**	**0-3**
ECX	III 20 18 12 35.6	33.80N	116.96W	10	3.2D		**¶97iii3935**
NEIC	III 20 18 12 36.4	33.81N	116.97W	13			
NEIC	M_L3.2(GS), M_D3.1(PAS), After PAS.						
ISC	**III 22 00 53 34**±1.1	**34.99N**±.041	**116.81W**±.050	**3**±9.1		**27**	**0-3**
NEIC	III 22 00 53 33.9	34.97N	116.82W	0			**¶97iii4167**
NEIC	M_D2.9(PAS), After PAS.						
ISC	**III 30 03 44 59**±1.3	**34.13N**±.086	**116.5W**±.14	**2**		**5**	**1-2**
NEIC	III 30 03 44 59.1	34.16N	116.42W	2			**¶97iii5689**
NEIC	M_D2.6(PAS). Felt, After PAS.						
NEIC	Felt at Yucca Valley.						
ISC	**III 30 08 24 01**±1.4	**33.05N**±.072	**118.62W**±.066	**1**±11		**29**	**0-8**
NEIC	III 30 08 24 03.3	33.14N	118.67W	9			**¶97iii5725**
NEIC	M_D3.4(PAS), After PAS.						
ISC	**IV 04 09 26 24.7**±.86	**33.99N**±.047	**118.28W**±.046	**4**±6.5		**30**	**0-7**
NEIC	IV 04 09 26 24.5	33.98N	118.35W	4			**¶97iv0585**
NEIC	M_D3.3(PAS). Felt, After PAS.						
NEIC	Felt at Inglewood and Los Angeles.						
ISC	**IV 04 09 35 09**±2.6	**34.0N**±.14	**118.4W**±.14	**2**±24		**5**	**0-2**
NEIC	IV 04 09 35 09.4	33.99N	118.36W	5			**¶97iv0587**
ISC	Poorly determined						
NEIC	M_D2.4(PAS). Felt, After PAS.						
ISC	**IV 05 05 58 04**±3.1	**34.2N**±.11	**119.6W**±.22	**1**		**18**	**0-2**
NEIC	IV 05 05 58 07.7	34.33N	119.37W	1			**¶97iv0709**
NEIC	M_D2.8(PAS), After PAS.						
ISC	**IV 05 14 33 25**±2.4	**33.9N**±.14	**118.3W**±.14	**6**±21		**5**	**0-2**
NEIC	IV 05 14 33 25.2	33.99N	118.36W	4			**¶97iv0788**
ISC	Poorly determined						
NEIC	M_D2.5(PAS). Felt, After PAS.						
ISC	**IV 06 11 41 10**±1.3	**33.38N**±.065	**116.96W**±.057	**7**±8.9		**28**	**0-6**
NEIC	IV 06 11 41 11.5	33.42N	116.95W	12			**¶97iv0988**
ECX	IV 06 11 41 12.3	33.35N	117.09W	7	3.2D		
NEIC	M_D3.1(PAS), After PAS.						
ISC	**IV 11 14 28 54.1**±.50	**34.60N**±.034	**116.65W**±.053	**5**		**26**	**0-2**
NEIC	IV 11 14 28 54.7	34.62N	116.64W	5			**¶97iv1918**
NEIC	M_D2.8(PAS), After PAS.						
ISC	**IV 14 22 11 47.5**±.76	**33.03N**±.056	**116.43W**±.047	**12**±7.4	3.4b	**22**	**0-29**
NEIC	IV 14 22 11 48.0	33.07N	116.44W	12			**¶97iv2518**
NEIC	M_D2.9(PAS), After PAS.						
ISC	**IV 21 15 55 58**±1.0	**34.30N**±.069	**118.67W**±.060	**1**±7.0		**22**	**0-2**
NEIC	IV 21 15 55 58.3	34.29N	118.70W	12			**¶97iv3530**
NEIC	M_D2.8(PAS). Felt, After PAS.						
NEIC	Felt at Simi Valley.						
ISC	**IV 21 19 37 58.3**±.43	**34.95N**±.033	**116.86W**±.049	**3**		**27**	**0-5**
NEIC	IV 21 19 37 58.2	34.98N	116.82W	3			**¶97iv3561**
NEIC	M_D3.0(PAS), After PAS.						
NEIC	**IV 24 12 32 22.1**	**34.03N**	**118.90W**	**11**			**1-1**
NEIC	M_L2.6(PAS). Felt, After PAS.						**¶97iv4143**
NEIC	Felt in the Malibu area.						
ISC	**IV 26 10 37 29.0**±.84	**34.31N**±.029	**118.78W**±.030	**15**±5.4	**4.7b,5.0s**	**158**	**0-149**
MOS	IV 26 10 37 28.3	34.3N	118.8W	14	5.2b		**¶97iv4527**
ECX	IV 26 10 37 28.6	34.35N	118.72W	10	5.0D		
NEIC	IV 26 10 37 30.6	34.37N	118.67W	17	5.0b,5.0s		
BJI	IV 26 10 37 31.2	35.44N	119.00W	5	4.8b,5.3s		
EIDC	IV 26 10 37 34.4	34.4N	118.6W	46	4.2b,4.2L		
NEIC	M_L5.1(PAS), Mw4.8(BRK). Felt I=V MM, After PAS.						
NEIC	ML 5.1 (BRK). Felt I=V MM at Acton, Carpinteria, Culver City, Glendale, North Hills, Northridge, Santa Clarita, Santa Monica, Sylmar, Tarzana, Thousand Oaks, Tujunga and Van Nuys; IV MM at Agoura Hills, Canoga Park, Goleta, Lake Hughes, Lakewood, Lancaster, Leona Valley, Los Angeles, Montrose, North Hollywood, Norwalk, Oxnard, Pacoima, Palmdale, Placentia, Reseda, San Bernardino, San Fernando, Simi Valley, South Gate, Torrance, Ventura, Walnut and West Hills; III MM at Bonsall, La Mirada, Mojave, Ontario and Paramount. M_o=1.5×10^{16}Nm (BRK).						
ISC	**IV 26 10 40 28.5**±.82	**34.33N**±.045	**118.74W**±.056	**10**±6.4		**28**	**0-28**
NEIC	IV 26 10 40 29.7	34.38N	118.67W	15			**¶97iv4529**
NEIC	M_L4.1(BRK), M_L3.9(PAS). Felt, After PAS.						
ISC	**IV 26 10 54 30.4**±.48	**34.36N**±.039	**118.67W**±.048	**15**		**28**	**0-4**
NEIC	IV 26 10 54 30.7	34.38N	118.65W	15			**¶97iv4531**
NEIC	M_L3.0(PAS). Felt, After PAS.						
ISC	**IV 26 11 10 04.1**±.80	**34.34N**±.047	**118.67W**±.051	**13**±7.5		**28**	**0-3**
NEIC	IV 26 11 10 04.6	34.37N	118.65W	15			**¶97iv4535**
NEIC	M_L3.1(PAS), After PAS.						
ISC	**IV 26 11 33 37.0**±.73	**34.33N**±.042	**118.69W**±.049	**13**±6.5		**28**	**0-3**
NEIC	IV 26 11 33 37.8	34.38N	118.64W	14			**¶97iv4538**
NEIC	M_L3.0(PAS), After PAS.						
ISC	**IV 26 11 55 46.4**±.66	**34.36N**±.041	**118.72W**±.042	**16**±7.8		**43**	**0-10**
NEIC	IV 26 11 55 47.5	34.37N	118.67W	15			**¶97iv4545**
NEIC	M_L3.9(PAS), M_L3.8(GS), After PAS.						
ISC	**IV 26 14 31 33.5**±.67	**34.35N**±.045	**118.68W**±.050	**10**±5.9		**26**	**0-3**
NEIC	IV 26 14 31 34.2	34.38N	118.65W	14			**¶97iv4564**
NEIC	M_L2.8(PAS), After PAS.						
ISC	**IV 26 16 13 42.1**±.61	**34.35N**±.038	**118.70W**±.051	**17**±7.8		**30**	**0-7**
NEIC	IV 26 16 13 42.8	34.37N	118.68W	17			**¶97iv4575**
NEIC	M_L3.4(GS), M_L3.3(PAS), After PAS.						
ISC	**IV 27 11 09 26.9**±.54	**34.29N**±.032	**118.74W**±.029	**17**±4.0	**4.3b,3.9s**	**137**	**0-149**
MOS	IV 27 11 09 26.0	34.3N	118.8W	14	5.0b		**¶97iv4711**
ECX	IV 27 11 09 26.7	34.30N	118.71W	15	4.8D		
NEIC	IV 27 11 09 28.3	34.38N	118.65W	15	4.9b		
EIDC	IV 27 11 09 28.8	34.3N	118.9W	20	4.2b,3.8s		
NEIC	M_L4.9(BRK), M_L4.8(PAS). Felt, After PAS.						
NEIC	Felt throughout the Los Angeles area.						
ISC	**IV 27 11 17 27**±2.1	**34.4N**±.18	**118.7W**±.18	**15**		**4**	**0-2**
NEIC	IV 27 11 17 27.5	34.38N	118.65W	15			**¶97iv4713**
ISC	Poorly determined						
NEIC	M_L2.8(PAS), After PAS.						
ISC	**IV 27 11 31 20**±1.2	**34.34N**±.043	**118.71W**±.056	**13**±9.8		**32**	**0-8**
NEIC	IV 27 11 31 20.8	34.38N	118.64W	14			**¶97iv4715**
NEIC	M_L4.0(GS), M_L3.5(PAS), After PAS.						
ISC	**IV 27 11 31 50.9**±.64	**34.38N**±.039	**118.65W**±.068	**10**±7.3		**19**	**0-1**
NEIC	IV 27 11 31 51.2	34.37N	118.65W	15			**¶97iv4716**
NEIC	M_L3.4(PAS), M_L3.4(GS), After PAS.						
ISC	**IV 27 15 18 34.0**±.83	**34.35N**±.048	**118.68W**±.049	**11**±6.9		**29**	**0-3**
NEIC	IV 27 15 18 34.9	34.38N	118.63W	15			**¶97iv4753**
NEIC	M_L3.6(GS), M_L3.3(PAS), After PAS.						
ISC	**IV 28 01 20 36.8**±.74	**34.34N**±.039	**118.65W**±.050	**5**±6.8		**25**	**0-3**
NEIC	IV 28 01 20 37.9	34.38N	118.64W	14			**¶97iv4819**
NEIC	M_L3.1(PAS), M_L3.0(GS), After PAS.						
ISC	**IV 30 10 13 30.4**±.50	**33.53N**±.042	**118.03W**±.044	**6**		**23**	**0-4**
NEIC	IV 30 10 13 30.9	33.51N	118.02W	6			**¶97iv5199**
NEIC	M_L2.8(PAS), After PAS.						
ISC	**IV 30 19 12 19.7**±.54	**34.35N**±.038	**118.66W**±.057	**18**±8.0		**24**	**0-2**
NEIC	IV 30 19 12 20.6	34.38N	118.64W	13			**¶97iv5250**
NEIC	M_L2.6(PAS), After PAS.						
ISC	**V 01 06 22 12.9**±.82	**34.40N**±.050	**118.64W**±.073	**10**±6.2		**26**	**0-3**
NEIC	V 01 06 22 13.3	34.38N	118.65W	13			**¶97v0048**
NEIC	M_L2.8(PAS), After PAS.						

ISC V 02 15 17 43.2±.59 **34.48N**±.038 **116.49W**±.054 **1** **27 0-5**
NEIC V 02 15 17 43.8 34.48N 116.51W 1 **¶97v0288**
NEIC M_L2.8(PAS), After PAS.
ISC V 03 12 51 46.9±.72 **34.33N**±.047 **118.73W**±.051 **19**±7.9 **31 0-7**
NEIC V 03 12 51 47.9 34.37N 118.67W 15 **¶97v0442**
NEIC M_L3.5(PAS). Felt, After PAS.
NEIC Felt in the San Fernando and Simi Valley areas.
ISC V 05 10 30 43.1±.63 **34.35N**±.047 **118.42W**±.048 **10** **26 0-3**
NEIC V 05 10 30 42.9 34.30N 118.43W 10 **¶97v0773**
NEIC M_L2.8(PAS), After PAS.
ISC V 06 18 53 22±1.1 **34.99N**±.039 **116.79W**±.056 **1**±9.5 **27 0-5**
NEIC V 06 18 53 22.8 34.97N 116.81W 1 **¶97v0996**
NEIC M_L3.2(PAS), After PAS.
ISC V 11 00 16 28.0±.53 **33.95N**±.039 **116.69W**±.037 **21**±7.0 3.6b **41 0-36**
EIDC V 11 00 16 26.9 33.8N 116.9W 16 3.4L,3.5b **¶97v1690**
ECX V 11 00 16 27.0 33.97N 116.69W 10 3.7D
NEIC V 11 00 16 28.6 33.97N 116.67W 17
NEIC M_L3.8(PAS). Felt, After PAS.
NEIC Felt in the Palm Springs and Desert Hot Springs areas.
ISC V 15 13 31 52.9±.43 **34.35N**±.032 **116.88W**±.046 **4** **30 0-6**
NEIC V 15 13 31 53.2 34.37N 116.88W 4 **¶97v2627**
NEIC M_L3.1(PAS). Felt, After PAS.
NEIC Felt at Big Bear Lake.
ISC V 15 14 29 01±1.3 **33.88N**±.058 **118.48W**±.060 **0**±8.4 **26 0-3**
NEIC V 15 14 29 02.6 33.88N 118.46W 10 **¶97v2632**
NEIC M_L3.1(PAS). Felt, After PAS.
NEIC Felt at Inglewood, Venice and other cities near the Los Angeles International Airport.
ISC V 16 12 45 31.8±.88 **33.45N**±.059 **118.34W**±.070 **13**±9.3 **22 0-2**
NEIC V 16 12 45 31.8 33.47N 118.26W 0 **¶97v2775**
NEIC M_L2.6(PAS), After PAS.
ISC V 16 19 36 35.6±.46 **33.33N**±.036 **116.33W**±.047 **6** **23 0-3**
NEIC V 16 19 36 36.5 33.36N 116.36W 6 **¶97v2833**
NEIC M_L2.9(PAS), After PAS.
ISC V 16 22 20 40±1.0 **34.98N**±.034 **116.97W**±.051 **1**±9.4 **27 0-3**
NEIC V 16 22 20 40.8 34.97N 116.94W 4 **¶97v2837**
NEIC M_L3.0(PAS), After PAS.
ISC V 17 05 29 01±2.5 **33.7N**±.41 **116.7W**±.50 **15** **4 0-3**
NEIC V 17 05 29 01.0 33.63N 116.76W 15 **¶97v2886**
ISC Poorly determined
NEIC M_L2.7(PAS). Felt, After PAS.
NEIC Felt at Palm Springs.
ISC V 17 05 56 18±1.8 **33.8N**±.22 **116.5W**±.51 **14** **4 0-3**
NEIC V 17 05 56 18.3 33.63N 116.75W 14 **¶97v2888**
ISC Poorly determined
NEIC M_L2.7(PAS), After PAS.
ISC V 18 21 45 30±1.2 **34.71N**±.065 **120.53W**±.099 **1** **28 1-4**
NEIC V 18 21 45 33.5 34.81N 120.31W 1 **¶97v3151**
NEIC M_L3.1(PAS). Felt, After PAS.
NEIC Felt in the Santa Maria area.
ISC V 19 22 54 39.4±.45 **34.92N**±.033 **116.93W**±.049 **4** **26 0-2**
NEIC V 19 22 54 39.8 34.92N 116.92W 4 **¶97v3318**
NEIC M_L2.8(PAS), After PAS.
ISC V 21 23 32 58.4±.65 **34.60N**±.041 **116.54W**±.057 **2** **27 0-5**
NEIC V 21 23 32 58.8 34.63N 116.54W 2 **¶97v3627**
NEIC M_L3.0(PAS), M_L2.9(GS), After PAS.
ISC V 23 12 22 00.2±.41 **34.99N**±.033 **116.82W**±.043 **2** **32 0-6**
NEIC V 23 12 22 01.0 34.97N 116.82W 2 **¶97v3951**
NEIC M_L3.5(PAS), M_L3.2(GS), After PAS.
ISC V 23 14 38 41±1.0 **33.09N**±.075 **116.41W**±.054 **11**±8.6 **21 0-4**
NEIC V 23 14 38 41.6 33.07N 116.46W 14 **¶97v3965**
ECX V 23 14 38 42.2 33.06N 116.48W 9 3.4D
NEIC M_L3.5(PAS), After PAS.
ISC V 29 00 48 13.8±.83 **33.34N**±.051 **116.91W**±.059 **0**±8.5 **26 0-5**
ECX V 29 00 48 13.8 33.33N 116.92W 5 3.5D **¶97v4794**
NEIC V 29 00 48 14.9 33.35N 116.91W 7
NEIC M_L3.4(PAS). Felt, After PAS.
NEIC Felt at Escondido.
ISC VI 04 22 55 23.1±.67 **33.46N**±.038 **116.52W**±.050 **11**±7.6 **22 0-2**
NEIC VI 04 22 55 23.7 33.48N 116.52W 6 **¶97vi0681**
NEIC M_L2.9(PAS), After PAS.
ISC VI 09 16 54 59.6±.70 **33.97N**±.051 **117.16W**±.047 **10**±7.2 **26 0-3**
NEIC VI 09 16 54 59.8 34.00N 117.14W 15 **¶97vi1423**
NEIC M_L2.9(PAS), M_L2.8(GS), After PAS.
ISC VI 09 17 47 24.6±.57 **33.24N**±.043 **116.00W**±.046 **3** **25 0-3**
ECX VI 09 17 47 24.6 33.24N 116.01W 5 3.2D **¶97vi1426**
NEIC VI 09 17 47 25.2 33.26N 116.03W 3
NEIC M_L3.0(PAS), M_L2.8(GS), After PAS.
ISC VI 10 09 21 44.8±.74 **34.09N**±.045 **117.27W**±.042 **8**±7.3 **28 0-5**
ECX VI 10 09 21 43.3 33.94N 117.87W 8 3.1D **¶97vi1502**
NEIC VI 10 09 21 45.4 34.05N 117.27W 15
NEIC M_L3.2(PAS), M_L3.0(GS), After PAS.
ISC VI 10 20 40 23.8±.70 **34.39N**±.036 **118.48W**±.048 **4**±6.6 **26 0-3**
NEIC VI 10 20 40 24.7 34.41N 118.45W 5 **¶97vi1565**
NEIC M_L2.7(PAS). Felt, After PAS.
ISC VI 14 16 23 01.7±.77 **34.27N**±.053 **118.46W**±.061 **12**±6.0 **24 0-3**
NEIC VI 14 16 23 02.4 34.28N 118.48W 10 **¶97vi2147**
NEIC M_L2.8(PAS). Felt, After PAS.
NEIC Felt in the San Fernando Valley.
ISC VI 27 14 06 20.1±.61 **33.28N**±.045 **115.98W**±.050 **3** **23 0-5**
NEIC VI 27 14 06 20.3 33.26N 116.01W 3 **¶97vi4306**
ECX VI 27 14 06 20.5 33.30N 116.81W 13 3.5D
NEIC M_L3.4(PAS), M_L3.4(GS), After PAS.
ISC VI 28 21 45 23±1.1 **34.11N**±.062 **117.30W**±.046 **3**±7.8 **4.0b** **49 0-146**
EIDC VI 28 21 45 24.5 34.1N 117.4W 0 4.1b,3.5L **¶97vi4529**
NEIC VI 28 21 45 25.1 34.17N 117.34W 9 4.1b
NEIC M_L4.2(PAS). Felt, After PAS.
NEIC Felt at Colton, Rialto, San Bernardino and in the San Bernardino Mountains. Felt as far as Hesperia and Pasadena.
ISC VI 30 01 28 55.5±.45 **34.98N**±.036 **116.79W**±.046 **1** **30 0-6**
NEIC VI 30 01 28 56.2 34.97N 116.82W 1 **¶97vi4696**
NEIC M_L3.2(PAS), After PAS.
ECX VI 30 18 10 33.0 33.22N 115.65W 8 3.6D ¶97vi4801
NEIC VI 30 18 10 33.3 33.18N 115.60W 4
NEIC M_L2.9(PAS), After PAS.

(45) California-Mexico border region.

ECX I 09 19 23 32.9 32.51N 115.42W 4 3.1D ¶97i1266
ECX I 20 01 07 36.7 32.66N 115.92W 11 3.0D ¶97i2917
ECX I 31 14 06 45.9 32.36N 115.21W 3 3.0D ¶97i4636
ISC II 02 00 19 16±1.0 **32.80N**±.061 **115.8W**±.10 **3**±8.4 **23 0-4**
NEIC II 02 00 19 15.4 32.62N 115.92W 13 **¶97ii0148**
ECX II 02 00 19 16.1 32.65N 115.88W 14 3.6D
NEIC M_D3.5(PAS). Felt, After PAS.
NEIC Felt in the El Centro area, California.
ISC II 12 03 05 01±1.0 **32.7N**±.10 **115.90W**±.062 **17**±10 **20 0-6**
NEIC II 12 03 05 01.2 32.62N 115.92W 6 **¶97ii1712**
ECX II 12 03 05 01.4 32.66N 115.91W 16 3.5D
NEIC M_D3.5(PAS), After PAS.
ISC II 12 12 24 54±1.2 **32.59N**±.089 **115.89W**±.055 **13**±6.1 **20 0-2**
NEIC II 12 12 24 55.0 32.63N 115.92W 6 **¶97ii1754**
ECX II 12 12 24 55.4 32.65N 115.91W 4 3.0D
NEIC M_D2.6(PAS), After PAS.
ECX IV 02 22 47 21.3 32.22N 115.80W 2 3.1D ¶97iv0343
ECX V 07 03 36 27.3 32.25N 115.78W 5 3.2D ¶97v1049
ECX V 16 10 34 38.5 32.26N 116.65W 13 3.6D ¶97v2758
NEIC V 16 10 34 36.9 32.23N 116.69W 6
NEIC M_L3.2(PAS). Felt, After PAS.
NEIC Felt at La Mesa, California.
ISC V 22 19 25 21±3.4 **32.2N**±.22 **116.7W**±.12 **18**±11 **21 0-2**
NEIC V 22 19 25 21.2 32.27N 116.67W 6 **¶97v3822**
NEIC M_L3.2(PAS), After PAS.
ECX VI 03 12 38 02.5 32.22N 115.78W 12 3.1D ¶97vi0457
ISC VI 05 03 04 55±2.3 **32.0N**±.17 **115.76W**±.070 **6** **21 1-3**
NEIC VI 05 03 04 54.0 31.91N 115.81W 6 **¶97vi0702**
ECX VI 05 03 04 54.3 31.93N 115.74W 3 3.2D
NEIC M_L2.9(PAS), After PAS.
NEIC VI 07 13 33 50.6 32.16N 115.80W 6 2-3
ECX VI 07 13 33 52.6 32.21N 115.82W 12 3.4D **¶97vi1103**
NEIC M_D3.4(ECX), M_L2.9(PAS), After PAS.
NEIC VI 07 16 26 08.9 32.26N 115.26W 6 2-2
ECX VI 07 16 26 09.8 32.45N 115.21W 3 3.4D **¶97vi1120**
NEIC M_L2.9(PAS). Felt, After PAS.
NEIC Felt in the epicentral area.
ECX Felt in the Mexicali Valley
ISC VI 13 11 16 20±2.6 **32.7N**±.17 **115.8W**±.12 **14** **22 1-4**
NEIC VI 13 11 16 18.7 32.61N 115.87W 14 **¶97vi1976**
ECX VI 13 11 16 20.7 32.62N 115.91W 5 3.3D
NEIC M_L3.4(PAS), After PAS.
ECX VI 20 22 56 25.6 32.54N 115.49W 11 3.3D ¶97vi3119
ECX Felt Mexicali area
ISC VI 23 07 57 29±1.3 **32.81N**±.080 **115.6W**±.11 **16** **19 0-4**
NEIC VI 23 07 57 27.2 32.73N 115.43W 16 **¶97vi3495**
ECX VI 23 07 57 29.1 32.76N 115.57W 10 3.5D
NEIC M_L3.5(PAS), M_D3.5(ECX). Felt, After PAS.
NEIC Felt in the Imperial Valley, California. Also felt in the area north of Mexicali, Mexico.
ECX Felt in the Imperial Valley and the Mexicali area

(46) Western Arizona-Mexico border region.

ISC II 19 02 12 42±13 **32.1N**±.71 **115.0W**±.48 **6** **7 1-2**
ECX II 19 02 12 48.6 32.51N 115.16W 2 3.0D **¶97ii2722**
NEIC II 19 02 12 48.7 32.40N 115.20W 6
NEIC M_D2.8(PAS), After PAS.

SEISMIC REGION 4.
LOWER CALIFORNIA AND GULF OF CALIFORNIA.

(47) Off west coast of Lower California.

ECX V 05 21 31 02.6 30.65N 117.18W 6 3.2D ¶97v0853
ECX V 05 22 40 11.7 30.67N 117.23W 5 3.6D ¶97v0861

(48) Lower California.

ECX I 01 21 53 23.9 31.92N 115.73W 9 3.3D ¶97i0125
ECX I 08 09 29 13.2 31.77N 116.15W 14 3.3D ¶97i1044
ISC I 09 13 28 38±6.8 **30.6N**±.52 **115.62W**±.095 **5** **23 2-10**
NEIC I 09 13 28 37.0 30.60N 115.58W 5 **¶97i1223**
ECX I 09 13 28 49.5 31.34N 115.89W 16 3.8D
NEIC M_L3.7(GS), Poor solution.
ISC I 14 23 55 31±7.1 **31.2N**±.23 **115.7W**±.22 **21**±51 3.3b **9 3-39**
EIDC I 14 23 55 30.1 31.2N 115.9W 0 3.9L,3.4b **¶97i2074**
ECX I 14 23 55 32.4 31.26N 115.57W 16 4.1D
ECX Felt in the valley of Trinidad
ECX I 18 10 10 05.2 31.99N 115.71W 12 3.0D ¶97i2644
ECX I 19 03 21 54.4 31.26N 115.53W 16 3.2D ¶97i2769
ECX I 28 05 54 00.2 31.42N 115.32W 13 3.6D ¶97i4171
ECX II 01 10 14 50.9 31.94N 115.72W 8 3.0D ¶97ii0059
ISC II 02 02 25 47±2.6 **29.2N**±.21 **114.6W**±.16 **5** 3.6b **11 5-41**
NEIC II 02 02 25 47.6 29.28N 114.61W 5 **¶97ii0160**
EIDC II 02 02 25 50.9 29.6N 114.5W 0 3.5L,3.7b
ECX II 02 02 26 00.0 30.25N 114.32W 11 4.4D
NEIC Poor solution.
ECX II 03 15 05 28.2 31.86N 115.95W 15 3.1D ¶97ii0391
ECX II 05 07 54 23.7 29.86N 114.37W 7 3.6D ¶97ii0653
ISC II 06 04 05 25±2.5 **29.8N**±.23 **114.3W**±.19 **10** **3.7b** **11 4-120**
NEIC II 06 04 05 25.3 29.84N 114.43W 10 **¶97ii0793**
EIDC II 06 04 05 25.9 30.0N 114.2W 0 3.4L,3.9b
NEIC Less reliable solution.
EIDC II 26 07 46 22.4 25.9N 111.3W 0 3.5L,3.4b **8-45**
¶97ii3761
ECX III 09 13 51 56.3 29.89N 115.84W 8 3.8D ¶97iii1983
ECX III 11 04 16 09.4 31.58N 115.73W 14 3.2D ¶97iii2308
ECX IV 01 16 37 43.8 31.91N 116.08W 14 3.0D ¶97iv0109
ECX IV 14 09 23 50.4 31.91N 115.76W 5 3.1D ¶97iv2429
ECX IV 16 03 26 41.3 31.92N 115.75W 3 3.4D ¶97iv2680
ECX V 06 11 35 03.7 31.60N 116.01W 4 3.3D ¶97v0955
ECX V 13 12 13 57.3 31.34N 115.56W 11 3.4D ¶97v2247
ISC V 14 03 08 34±3.2 **31.8N**±.24 **115.77W**±.092 **6** **16 1-5**
NEIC V 14 03 08 36.4 31.93N 115.81W 6 **¶97v2375**
ECX V 14 03 08 37.0 31.92N 115.78W 9 3.7D
NEIC M_L3.9(PAS), After PAS.
ISC V 15 15 08 42±3.0 **31.6N**±.21 **115.89W**±.097 **6** **21 1-3**
NEIC V 15 15 08 46.1 31.77N 115.99W 6 **¶97v2635**
ECX V 15 15 08 46.5 31.77N 115.93W 15 3.3D
NEIC M_L3.0(PAS), After PAS.
ECX V 16 01 03 04.9 31.27N 115.57W 16 3.2D ¶97v2706
ECX V 17 06 12 24.8 31.93N 115.74W 5 3.0D ¶97v2890

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V 30 15 17 22**±1.1	**31.91N**±.079	**115.86W**±.050	**13**±7.8	3.6b	**35**	**0-38**
NEIC	V 30 15 17 20.0	31.89N	115.79W	5	4.1b		**¶97v5055**
EIDC	V 30 15 17 20.2	31.8N	116.1W	0	3.8L,3.7b		
ECX	V 30 15 17 21.6	31.93N	115.74W	8	4.3D		
NEIC	M_D4.4(ECX), M_L4.0(PAS)						
NEIC	Felt from San Diego, California to Tijuana, Mexico.						
ECX	Felt in Mexicali and Ensenada						
ECX	**V 30 17 31 33.3**	**31.91N**	**115.74W**	**3**	**3.0D**		**¶97v5067**
ECX	**V 30 21 33 24.9**	**31.91N**	**115.75W**	**5**	**3.2D**		**¶97v5103**
ECX	**V 31 01 36 57.5**	**31.47N**	**115.29W**	**16**	**3.3D**		**¶97v5134**
ISC	**VI 07 18 35 10**±2.2	**31.9N**±.15	**115.75W**±.068	**6**		**21**	**1-2**
NEIC	VI 07 18 35 11.4	31.94N	115.79W	6			**¶97vi1129**
ECX	VI 07 18 35 11.5	31.92N	115.75W	3	3.2D		
NEIC	M_L2.9(PAS), After PAS.						
ISC	**VI 07 23 20 11**±2.2	**32.0N**±.17	**115.72W**±.066	**6**		**24**	**1-7**
NEIC	VI 07 23 20 10.5	31.88N	115.78W	6			**¶97vi1156**
ECX	VI 07 23 20 11.6	31.93N	115.75W	4	3.7D		
NEIC	M_L3.2(PAS). Felt, After PAS.						
NEIC	Felt in the epicentral area.						
ECX	Felt southeast of La Laguna, Hanson						
ECX	**VI 10 01 11 31.2**	**31.91N**	**115.77W**	**8**	**3.0D**		**¶97vi1456**
ECX	**VI 11 01 06 50.9**	**31.91N**	**115.74W**	**4**	**3.1D**		**¶97vi1597**
ECX	**VI 13 04 44 04.0**	**31.91N**	**115.75W**	**4**	**3.0D**		**¶97vi1933**
ISC	**VI 14 03 38 42**±3.4	**24.9N**±.34	**110.4W**±.18	**0**	**3.5b**,3.8s	**7**	**7-46**
EIDC	VI 14 03 38 42.9	24.8N	110.5W	0	3.6L,3.5b		**¶97vi2082**
ISC	**VI 17 17 53 03**±3.9	**27.0N**±.36	**112.3W**±.18	**5**	3.2b	**6**	**8-44**
NEIC	VI 17 17 53 04.2	27.16N	112.28W	5	3.7b		**¶97vi2673**
EIDC	VI 17 17 53 04.9	27.0N	112.4W	0	3.7L,3.3b		
NEIC	Poor solution.						
ECX	**VI 19 09 39 08.9**	**31.29N**	**115.64W**	**12**	**3.2D**		**¶97vi2892**
ISC	**VI 19 11 21 50**±1.3	**31.3N**±.11	**115.69W**±.068	**10**	**4.0b**,3.7s	**41**	**1-119**
EIDC	VI 19 11 21 50.5	31.3N	115.7W	0	3.7L,3.9b		**¶97vi2911**
NEIC	VI 19 11 21 51.1	31.35N	115.64W	10	4.0b		
ECX	VI 19 11 21 51.6	31.27N	115.62W	12	4.1D		
NEIC	Felt in the epicentral area.						
ECX	Felt in the Trinidad Valley						
ECX	**VI 20 11 29 05.9**	**31.31N**	**115.56W**	**11**	**3.3D**		**¶97vi3048**
ISC	**VI 20 20 41 03**±4.6	**31.8N**±.27	**116.11W**±.088	**17**±20		**22**	**1-5**
NEIC	VI 20 20 41 02.3	31.79N	116.24W	6			**¶97vi3112**
ECX	VI 20 20 41 03.0	31.85N	116.20W	16	3.8D		
NEIC	M_L3.7(PAS). Felt, After PAS.						
NEIC	Felt in the epicentral area.						
ECX	Felt in the Ojos Negros Valley						
ECX	**VI 21 00 14 07.0**	**31.28N**	**115.59W**	**10**	**3.3D**		**¶97vi3128**
ECX	**VI 22 00 28 15.1**	**31.84N**	**115.47W**	**10**	**3.1D**		**¶97vi3296**
ECX	**VI 23 20 40 40.4**	**31.28N**	**115.63W**	**10**	**3.2D**		**¶97vi3588**
ECX	**VI 23 20 45 39.6**	**31.28N**	**115.64W**	**11**	**3.4D**		**¶97vi3590**
ISC	**VI 25 13 00 47.2**±.42	**24.03N**±.048	**111.47W**±.050	**10**	**4.7b,4.2s**	**118**	**9-141**
NEIC	VI 25 13 00 46.7	24.00N	111.46W	10	4.8b,4.2s		**¶97vi3939**
MOS	VI 25 13 00 46.8	24.0N	111.5W	10	5.1b		
BJI	VI 25 13 00 47.3	24.33N	111.31W	12			
EIDC	VI 25 13 00 52.4	24.1N	111.4W	35	4.3b,4.0L		
ISC	**VI 26 02 01 39**±3.1	**32.0N**±.20	**115.8W**±.11	**2**		**22**	**1-4**
NEIC	VI 26 02 01 35.8	31.76N	115.77W	2			**¶97vi4070**
ECX	VI 26 02 01 37.0	31.77N	115.77W	11	3.8D		
NEIC	M_L3.1(PAS). Felt, After PAS.						
NEIC	Felt in the epicentral area.						
ECX	Felt in Santa Catarina and at Heroes de la Independencia						

(49) Gulf of California.

ISC	**I 12 15 02 17**±1.6	**23.6N**±.18	**108.8W**±.16	**24**	**4.3b,4.4s**	**26**	**2-130**
NEIC	I 12 15 02 18.9	23.87N	108.34W	24	5.0b,4.4s		**¶97i1699**
EIDC	I 12 15 02 19.8	23.8N	108.6W	21	3.7b,4.0L		
NEIC	Poor solution.						
ISC	**I 29 13 00 47**±1.7	**25.5N**±.16	**109.2W**±.23	**33**	3.7b	**5**	**3-46**
EIDC	I 29 13 00 38.6	24.9N	109.3W	0	3.7b,3.6L		**¶97i4353**
ECX	**II 05 07 58 16.7**	**30.13N**	**114.37W**	**7**	**3.8D**		**¶97ii0654**
ECX	**II 05 08 15 33.6**	**30.00N**	**114.25W**	**8**	**3.7D**		**¶97ii0658**
ECX	**II 05 08 23 05.6**	**30.43N**	**114.65W**	**10**	**3.6D**		**¶97ii0660**
ECX	**II 05 10 21 37.0**	**30.60N**	**114.33W**	**10**	**4.0D**		**¶97ii0672**
ISC	**II 10 13 51 52**±2.0	**23.8N**±.20	**108.8W**±.33	**47**	**3.9b**	**6**	**7-83**
EIDC	II 10 13 51 53.4	23.7N	108.8W	47	3.4L,3.4b		**¶97ii1472**
ISC	**II 10 20 17 29.9**±.96	**24.83N**±.056	**109.18W**±.056	**38**±7.6	**4.9b,4.7s**	**141**	**1-141**
BJI	II 10 20 17 22.6	24.74N	108.96W	5			**¶97ii1512**
MOS	II 10 20 17 24.0	24.6N	109.2W	10	5.3b		
NEIC	II 10 20 17 25.3	24.72N	109.15W	10	5.0b,4.3s		
EIDC	II 10 20 17 27.4	24.6N	109.1W	20	4.6b,4.2L		
MEX	II 10 20 17 31.2	23.5N	110.0W	31	4.7D		
ISC	**II 10 20 28 21**±3.0	**24.7N**±.32	**108.9W**±.19	**10**	**3.7b**	**7**	**3-89**
NEIC	II 10 20 28 20.7	24.71N	108.94W	10	3.7b		**¶97ii1513**
EIDC	II 10 20 28 21.4	24.8N	109.1W	0	3.7b,3.6L		
NEIC	Poor solution.						
EIDC	**II 10 20 40 24.7**	**24.5N**	**108.9W**	**0**	**3.5b**,3.5L		**3-89**
							¶97ii1514
ISC	**II 10 21 13 56**±1.5	**24.4N**±.14	**109.0W**±.11	**10**	**4.1b**	**31**	**3-123**
NEIC	II 10 21 13 56.6	24.44N	109.01W	10	4.4b		**¶97ii1517**
EIDC	II 10 21 14 00.6	24.5N	108.9W	21	3.9b,3.6L		
NEIC	Less reliable solution.						
ISC	**II 10 21 26 55**±3.5	**24.7N**±.39	**109.0W**±.26	**10**	**3.2b**	**5**	**7-89**
EIDC	II 10 21 26 53.8	24.6N	109.0W	0	3.2b,3.4L		**¶97ii1520**
NEIC	II 10 21 26 54.4	24.68N	109.04W	10			
NEIC	Poor solution.						
ISC	**II 10 21 45 32**±3.4	**24.9N**±.39	**109.1W**±.24	**10**	**3.6b**	**6**	**3-89**
EIDC	II 10 21 45 30.5	24.8N	109.2W	0	3.5b,3.4L		**¶97ii1525**
NEIC	II 10 21 45 31.7	24.90N	109.09W	10	3.2b		
NEIC	Poor solution.						
ISC	**II 10 21 57 15**±2.6	**24.9N**±.24	**109.1W**±.15	**10**	**3.7b**	**10**	**3-89**
NEIC	II 10 21 57 15.1	24.91N	109.07W	10	3.2b		**¶97ii1530**
EIDC	II 10 21 57 17.5	24.8N	109.1W	21	3.8L,3.6b		
NEIC	Poor solution.						
ISC	**II 11 11 53 56**±4.5	**24.3N**±.41	**108.9W**±.24	**10**	3.3b	**6**	**7-47**
NEIC	II 11 11 53 55.8	24.29N	108.95W	10			**¶97ii1625**
EIDC	II 11 11 53 57.1	24.3N	109.0W	0	3.9L,3.2b		
NEIC	Poor solution.						
ISC	**II 27 00 02 07**±6.1	**24.8N**±.64	**109.3W**±.27	**33**	3.0b	**4**	**7-47**
EIDC	II 27 00 02 01.5	24.4N	109.2W	0	3.0b,3.9L		**¶97ii3881**
ISC	Poorly determined						
ISC	**III 05 04 43 20**±3.6	**26.3N**±.34	**111.4W**±.20	**10**	3.4b	**6**	**7-45**
NEIC	III 05 04 43 19.8	26.34N	111.42W	10			**¶97iii0983**
EIDC	III 05 04 43 21.7	26.5N	111.5W	0	3.3b,3.7L		
NEIC	Poor solution.						
ISC	**III 05 11 46 24**±6.6	**27.3N**±.36	**111.0W**±.31	**58**±45	3.2b	**17**	**7-44**
NEIC	III 05 11 46 17.2	27.14N	111.14W	10	3.9b		**¶97iii1051**
EIDC	III 05 11 46 18.3	27.2N	111.2W	0	3.5L,3.3b		
NEIC	Poor solution.						
ISC	**III 23 07 42 17**±4.3	**23.4N**±.39	**108.5W**±.22	**10**	3.3b	**9**	**7-48**
NEIC	III 23 07 42 16.8	23.46N	108.47W	10	3.5b		**¶97iii4416**
EIDC	III 23 07 42 21.9	23.6N	108.3W	23	3.5L,3.1b		
NEIC	Poor solution.						
ISC	**IV 12 06 36 23**±4.9	**25.4N**±.54	**108.8W**±.23	**10**	3.8b	**5**	**6-51**
NEIC	IV 12 06 36 23.5	25.49N	108.84W	10			**¶97iv2019**
EIDC	IV 12 06 36 26.5	25.5N	109.0W	18	3.3b,3.5L		
NEIC	Poor solution.						
EIDC	**IV 16 06 11 06.4**	**24.9N**	**109.4W**	**0**	3.5L,4.2b		**7-27**
							¶97iv2706
ISC	**IV 22 00 44 32**±2.0	**30.3N**±.18	**113.7W**±.13	**10**	**3.5b**	**13**	**4-64**
EIDC	IV 22 00 44 23.4	29.2N	114.6W	0	3.6L,3.4b		**¶97iv3607**
ECX	IV 22 00 44 29.1	30.42N	113.99W	13	4.1D		
NEIC	IV 22 00 44 32.4	30.40N	113.67W	10			
NEIC	Poor solution.						
ISC	**IV 23 14 45 48**±5.1	**28.1N**±.50	**112.7W**±.30	**162**±28	3.5b	**5**	**6-43**
EIDC	IV 23 14 45 45.6	27.6N	112.9W	157	3.2b		**¶97iv3977**
ISC	Poorly determined						
ISC	**IV 29 20 04 49**±2.7	**30.0N**±.24	**113.8W**±.19	**10**	3.2b,3.8s	**9**	**7-122**
EIDC	IV 29 20 04 39.6	28.6N	114.6W	0	3.8s,3.6b		**¶97iv5115**
NEIC	IV 29 20 04 49.7	30.11N	113.75W	10			
ECX	IV 29 20 04 49.9	30.12N	114.28W	15	4.2D		
NEIC	Poor solution.						
ISC	**V 10 16 58 45.4**±.74	**27.89N**±.072	**111.74W**±.088	**10**	**4.1b,4.2s**	**42**	**7-125**
NEIC	V 10 16 58 44.9	27.89N	111.77W	10	4.0b,4.1s		**¶97v1631**
EIDC	V 10 16 58 45.6	27.8N	111.8W	0	4.1b,3.9s		
ISC	**V 19 00 03 20**±1.2	**23.7N**±.11	**108.7W**±.12	**10**	**4.0b**	**30**	**7-56**
EIDC	V 19 00 03 12.4	23.1N	108.4W	0	3.6L,3.8b		**¶97v3165**
NEIC	V 19 00 03 18.8	23.65N	108.52W	10	4.2b		
NEIC	Less reliable solution.						
ISC	**V 20 20 18 11**±1.2	**24.4N**±.12	**109.1W**±.10	**10**	**4.1b**	**30**	**7-91**
EIDC	V 20 20 18 10.3	24.3N	108.9W	0	4.0b,3.7L		**¶97v3455**
NEIC	V 20 20 18 10.8	24.42N	109.10W	10	4.1b		
NEIC	Less reliable solution.						
ISC	**V 22 09 51 03**±5.3	**31.1N**±.80	**113.6W**±.59	**0**	3.0b	**4**	**4-40**
EIDC	V 22 09 50 59.3	30.2N	114.3W	0	3.4L,3.3b		**¶97v3755**
ISC	Poorly determined						
ISC	**VI 08 23 34 20**±2.8	**26.7N**±.24	**111.8W**±.16	**10**	3.8b	**9**	**8-44**
NEIC	VI 08 23 34 20.1	26.70N	111.82W	10			**¶97vi1299**
EIDC	VI 08 23 34 21.6	26.8N	111.7W	0	3.8b,4.6L		
NEIC	Poor solution.						

(51) Off coast of Central Mexico.

EIDC	**II 10 22 01 51.9**	**22.4N**	**107.2W**	**0**	4.1L,3.2b		**8-40**
							¶97ii1531

SEISMIC REGION 5. MEXICO-GUATEMALA AREA.

(53) Revilla Gigedo Islands region.

ISC	**II 13 22 21 31**±1.8	**19.92N**±.082	**109.24W**±.095	**41**±16	**4.4b,4.2s**	**60**	**8-146**
NEIC	II 13 22 21 26.2	19.80N	109.32W	10	4.6b,4.2s		**¶97ii1987**
EIDC	II 13 22 21 42.0	20.3N	108.9W	120	4.0b		
ISC	**II 14 03 47 52**±1.4	**19.5N**±.14	**109.4W**±.17	**10**	**3.5b**	**18**	**11-54**
NEIC	II 14 03 47 51.8	19.52N	109.38W	10	3.7b		**¶97ii2019**
EIDC	II 14 03 47 52.4	19.5N	109.3W	0	3.5b,3.5L		
NEIC	Less reliable solution.						
EIDC	**IV 24 21 52 43.7**	**19.0N**	**108.6W**	**0**	**3.4b**,4.0L		**11-52**
							¶97iv4215
ISC	**VI 02 05 17 24.1**±.64	**19.26N**±.067	**108.16W**±.087	**10**	**4.3b,3.7s**	**49**	**11-134**
NEIC	VI 02 05 17 23.6	19.25N	108.18W	10	4.2b,3.6s		**¶97vi0186**
EIDC	VI 02 05 17 27.4	19.2N	108.3W	20	4.1b,3.6L		
ISC	**VI 18 14 32 14**±3.2	**18.9N**±.30	**108.5W**±.20	**10**	**3.8b**	**20**	**11-53**
EIDC	VI 18 14 32 15.1	18.9N	108.8W	0	3.7b,3.6L		**¶97vi2797**
NEIC	VI 18 14 32 15.4	19.00N	108.50W	10	3.8b		
NEIC	Poor solution.						
ISC	**VI 18 14 32 42**±5.0	**18.8N**±.51	**108.7W**±.39	**10**	**3.9b**	**7**	**11-53**
EIDC	VI 18 14 32 43.5	18.8N	108.8W	0	3.9b,4.1s		**¶97vi2798**

(54) Off coast of Jalisco, Mexico.

ISC	**I 13 06 43 59**±2.4	**18.7N**±.15	**106.3W**±.15	**62**±20	**4.2b**	**35**	**3-148**
EIDC	I 13 06 43 46.7	17.9N	106.4W	0	4.3b,3.7L		**¶97i1790**
NEIC	I 13 06 43 50.1	17.98N	106.45W	33	4.7b		
MEX	I 13 06 43 56.4	18.8N	106.5W	10	4.7D		
NEIC	Poor solution.						
ISC	**II 20 03 12 42**±1.4	**18.39N**±.084	**105.39W**±.081	**52**±13	**4.4b**,4.1s	**68**	**2-125**
MEX	II 20 03 12 38.0	18.4N	105.8W	16	4.5D		**¶97ii2866**
EIDC	II 20 03 12 38.4	17.9N	105.5W	39	3.9b,4.4s		
NEIC	II 20 03 12 40.8	18.30N	105.42W	53	4.6b		
ISC	**II 20 06 30 40**±2.4	**18.4N**±.23	**105.6W**±.13	**34**	**3.7b**	**14**	**2-66**
EIDC	II 20 06 30 25.6	17.3N	104.6W	0	3.6b,3.7L		**¶97ii2889**
NEIC	II 20 06 30 27.0	17.05N	105.22W	33	3.2b		
MEX	II 20 06 30 37.3	18.6N	106.1W	34	4.1D		
NEIC	Poor solution.						
ISC	**IV 08 15 23 41**±4.0	**18.74N**±.091	**106.32W**±.063	**1**±23	**4.6b,5.0s**	**100**	**3-145**
EIDC	IV 08 15 23 41.5	18.8N	106.8W	0	4.3b,4.7s		**¶97iv1355**
MEX	IV 08 15 23 44.1	18.6N	106.3W	10	4.8D		
NEIC	IV 08 15 23 44.7	18.63N	106.41W	33	4.9b,4.9s		
MOS	IV 08 15 23 46.6	18.8N	106.4W	33	5.1b		
HRVD	IV 08 15 23 47.7±.4	18.99N±.06	106.73W±.06	15			
NEIC	Mw5.6(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s22,c27; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.75±.09; $M_{\theta\theta}$−0.14±.14; $M_{\phi\phi}$0.89±.14; $M_{r\theta}$0.13±.41; $M_{r\phi}$−0.64±.37; $M_{\theta\phi}$−2.28±.09. Principal Axes: T 2.80,Plg9°,Azm52°; N −0.77, Plg73°,Azm175°; P −2.03,Plg14°,Azm320°. Best double couple: M0$2.4\times10^{17}$Nm, NP1: ϕ_S96°,δ73°,λ−177°. NP2:ϕ_S5°,δ87°,λ−17°.						
ISC	**V 01 11 37 34.2**±.22	**18.99N**±.034	**107.27W**±.030	**15**	**6.1b,6.8s**	**606**	**4-156**
EIDC	V 01 11 37 31.1	18.8N	107.3W	0	5.2b,6.8s		**¶97v0091**
MEX	V 01 11 37 34.4	18.9N	107.3W	15	6.8D		
ECX	V 01 11 37 35.3	18.92N	107.32W	33	7.1D		

NEIC V 01 11 37 36.1 18.99N 107.35W 33 6.1b,6.8s
BJI V 01 11 37 37.1 19.04N 107.29W 45 7.0s
MOS V 01 11 37 37.6 19.2N 107.4W 33 6.5b,6.7s
HRVD V 01 11 37 40.6±.1 18.96N±.01 107.15W±.01 15
NEIC Me7.3(GS), Mw6.9(GS)
NEIC Mw 6.9 (HRV). Felt along the coast of Jalisco.
NEIC Radiated energy from the P−wave first−motion solution: 1.8±0.3×10^{15}Nm/16
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S19°,δ89°,λ−10°. NP2:ϕ_S109°,δ80°,λ−179°. Principal axes: T Plg6°,Azm65°; P Plg8°,Azm334°. Two events about 2 seconds apart. Depth from synthetics of broadband displacement seismograms, based on the larger second event.
NEIC Moment tensor solution: s28, scale 10^{19}Nm; M_{rr}0.07; $M_{\theta\theta}$−1.57; $M_{\phi\phi}$1.49; $M_{r\theta}$0.28; $M_{r\phi}$−0.60; $M_{\theta\phi}$−2.11. Depth 12km; Principal axes: T 2.73,Plg14°,Azm63°; N −0.09,Plg76°, Azm241°; P −2.64,Plg0°,Azm333°. Best double couple: $M_0$2.7×10^{19}Nm; NP1:ϕ_S107°,δ80°, λ170°. NP2:ϕ_S199°,δ80°,λ10°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c100; Mantle waves: s44,c109; Half duration: 7s0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.17±.01; $M_{\theta\theta}$−1.58±.01; $M_{\phi\phi}$1.75±.01; $M_{r\theta}$−0.16±.05; $M_{r\phi}$0.76±.05; $M_{\theta\phi}$−2.09±.01. Principal Axes: T 2.94,Plg14°,Azm245°; N −0.33,Plg75°,Azm45°; P −2.60,Plg5°,Azm154°. Best double couple: $M_0$2.8×10^{19}Nm, NP1:ϕ_S288°,δ77°,λ174°. NP2:ϕ_S20°,δ84°,λ13°.
ISC V 01 14 59 11±1.5 **19.3N**±.17 **106.9W**±.16 **15** **3.5b** **8 4-66**
MEX V 01 14 59 07.4 18.7N 106.9W 15 3.9D **¶97v0115**
EIDC V 01 14 59 10.4 19.3N 107.1W 0 3.4b,3.6L
NEIC V 01 14 59 13.4 19.33N 107.09W 33
NEIC Poor solution.
ISC V 01 16 25 38±1.9 **18.8N**±.10 **107.10W**±.080 **40**±15 **4.3b,4.3s** **94 4-148**
NEIC V 01 16 25 36.4 18.72N 107.10W 33 4.7b,4.3s **¶97v0123**
MOS V 01 16 25 36.5 18.7N 107.1W 33 5.0b,4.3s
MEX V 01 16 25 38.4 18.9N 107.1W 16 4.1D
EIDC V 01 16 25 40.6 18.8N 107.2W 53 3.9b,4.1s
ISC V 01 16 40 57±1.5 **18.8N**±.14 **107.2W**±.16 **6** **3.6b** **13 4-53**
EIDC V 01 16 40 56.1 18.7N 107.4W 0 3.4b,4.1L **¶97v0125**
MEX V 01 16 40 58.8 18.7N 107.2W 6 4.3D
NEIC V 01 16 41 00.5 18.86N 106.93W 33 4.1b
NEIC Poor solution.
EIDC V 02 23 00 10.9 18.4N 107.3W 0 3.3b,3.3L **11-53**
¶97v0342
EIDC V 03 00 15 27.6 17.9N 106.7W 0 3.5b,3.7L **12-59**
¶97v0348
EIDC V 07 04 17 00.5 17.6N 107.9W 0 3.4b,3.4L **12-54**
¶97v1052
ISC V 08 23 49 42±1.6 **18.68N**±.077 **106.95W**±.083 **44**±13 **4.2b,4.0s** **76 3-135**
NEIC V 08 23 49 40.3 18.62N 106.96W 33 4.5b,4.0s **¶97v1329**
MEX V 08 23 49 41.9 18.8N 107.0W 15 4.3D
EIDC V 08 23 49 44.5 18.8N 107.1W 54 3.7b,3.7s
ISC V 10 06 12 19±1.6 **18.77N**±.079 **107.14W**±.085 **34**±14 **4.1b,4.1s** **86 4-121**
MEX V 10 06 12 17.7 18.8N 107.1W 5 4.2D **¶97v1534**
NEIC V 10 06 12 18.6 18.71N 107.17W 33 4.4b,4.1s
EIDC V 10 06 12 24.4 18.9N 107.1W 67 3.8b,3.8s
ISC V 11 08 06 13±2.8 **18.6N**±.14 **107.1W**±.16 **43**±22 **3.7b** **31 4-67**
NEIC V 11 08 06 10.2 18.47N 107.20W 33 3.8b **¶97v1752**
EIDC V 11 08 06 12.8 18.6N 107.1W 37 3.6b,3.6L
MEX V 11 08 06 15.7 19.0N 107.0W 5 4.5D
NEIC Less reliable solution.
ISC V 11 14 31 35±2.8 **18.6N**±.14 **107.0W**±.17 **76**±24 **3.5b** **30 3-53**
EIDC V 11 14 31 19.3 17.8N 106.7W 0 3.3b,3.7L **¶97v1792**
NEIC V 11 14 31 28.8 18.45N 107.09W 33 3.9b
MEX V 11 14 31 39.0 19.2N 106.9W 25 4.8D
NEIC Less reliable solution.
ISC V 12 03 32 35±4.3 **18.8N**±.13 **107.2W**±.15 **47**±38 **3.9b,4.0s** **30 11-68**
NEIC V 12 03 32 32.8 18.70N 107.26W 33 4.0b **¶97v1883**
EIDC V 12 03 32 34.5 18.9N 107.0W 26 3.6b,3.8s
NEIC Less reliable solution.
ISC V 12 03 34 11±2.4 **18.8N**±.10 **107.0W**±.13 **50**±19 **3.8b** **40 3-68**
NEIC V 12 03 34 09.0 18.74N 107.01W 33 3.9b **¶97v1884**
EIDC V 12 03 34 10.1 18.7N 107.1W 30 3.6b,3.6L
MEX V 12 03 34 12.5 19.0N 107.0W 10 4.7D
ISC V 12 04 41 56.8±.94 **18.78N**±.041 **107.09W**±.048 **38**±7.8 **4.9b,4.8s** **180 4-144**
EIDC V 12 04 41 52.1 18.6N 107.2W 0 4.7b,4.4s **¶97v1894**
MOS V 12 04 41 52.7 18.4N 107.1W 33 5.3b,4.8s
MEX V 12 04 41 53.2 18.6N 107.5W 20 4.9D
NEIC V 12 04 41 55.8 18.73N 107.13W 33 5.2b,4.8s
HRVD V 12 04 42 00.4±.3 18.96N±.03 107.18W±.03 15
BJI V 12 04 42 01.3 18.70N 107.10W 33
NEIC Mw5.6(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c56; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.13±.05; $M_{\theta\theta}$−1.52±.07; $M_{\phi\phi}$1.65±.08; $M_{r\theta}$−0.34±.21; $M_{r\phi}$−0.14±.20; $M_{\theta\phi}$−1.97±.06. Principal Axes: T 2.59,Plg0°,Azm244°; N −0.07,Plg81°,Azm152°; P −2.52,Plg9°,Azm334°. Best double couple: $M_0$2.6×10^{17}Nm, NP1: ϕ_S19°,δ84°,λ−6°. NP2:ϕ_S110°,δ84°,λ−173°.
ISC V 12 15 03 04.0±.92 **18.75N**±.042 **107.16W**±.045 **35**±7.5 **5.1b,4.8s** **229 4-144**
MOS V 12 15 03 01.5 18.5N 107.2W 33 5.6b,4.9s **¶97v1989**
NEIC V 12 15 03 03.4 18.72N 107.18W 33 5.3b,4.9s
MEX V 12 15 03 04.8 18.9N 107.1W 4 4.9D
EIDC V 12 15 03 07.9 18.8N 107.2W 59 4.7b,4.2s
HRVD V 12 15 03 08.6±.5 19.20N±.05 107.03W±.05 15
NEIC Mw5.6(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c43; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.10; $M_{\theta\theta}$−1.84±.12; $M_{\phi\phi}$1.63±.15; $M_{r\theta}$−0.03±.39; $M_{r\phi}$1.59±.40; $M_{\theta\phi}$−2.39±.11. Principal Axes: T 3.48,Plg24°,Azm246°; N −0.27,Plg62°,Azm34°; P −3.21,Plg13°,Azm150°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S286°,δ64°,λ172°. NP2:ϕ_S19°,δ82°,λ27°.
ISC V 12 20 43 47±3.2 **18.3N**±.31 **106.7W**±.30 **33** **3.6b** **13 11-58**
EIDC V 12 20 43 43.1 18.2N 107.0W 0 3.6b,3.9L **¶97v2041**
NEIC V 12 20 43 47.1 18.31N 106.72W 33 3.7b
NEIC Poor solution.
ISC V 25 04 09 08±4.1 **20.1N**±.28 **106.3W**±.36 **20** **8 3-7**
MEX V 25 04 09 11.5 20.0N 106.2W 20 3.9D **¶97v4217**
MEX V 25 11 00 15.6 19.1N 106.2W 89 4.2D ¶97v4260
MEX VI 02 01 24 45.8 19.0N 105.3W 10 4.1D ¶97vi0159
ISC VI 06 02 24 34±4.6 **18.3N**±.45 **106.6W**±.26 **33** **3.6b,**3.3s **10 11-54**
EIDC VI 06 02 24 32.8 18.4N 106.8W 0 3.5b,3.8s **¶97vi0868**
NEIC VI 06 02 24 33.9 18.32N 106.63W 33 4.3b
NEIC Poor solution.
ISC VI 18 13 35 13±5.6 **18.1N**±.54 **107.1W**±.28 **33** **3.4b** **12 12-54**
EIDC VI 18 13 35 08.9 18.0N 107.0W 0 3.3s,3.4b **¶97vi2791**
NEIC VI 18 13 35 16.1 18.45N 107.12W 33 4.2b
NEIC Poor solution.

(55) Near coast of Jalisco, Mexico.

MEX I 02 04 14 28.1 19.4N 105.3W 28 3.8D ¶97i0160
ISC I 23 01 51 03±2.1 **19.2N**±.15 **104.6W**±.15 **16** **12 1-6**
MEX I 23 01 51 01.0 18.7N 104.7W 16 4.1D **¶97i3420**
MEX I 28 09 29 21.6 18.8N 104.6W 7 4.3D ¶97i4193
MEX I 29 03 20 31.6 18.7N 104.1W 8 4.1D ¶97i4298
ISC III 10 08 34 36±1.2 **19.08N**±.077 **104.73W**±.085 **69**±11 **4.1b** **74 1-136**
MEX III 10 08 34 29.2 19.0N 105.3W 5 4.9D **¶97iii2174**
NEIC III 10 08 34 30.9 18.93N 104.66W 33 4.3b
EIDC III 10 08 34 42.0 19.2N 104.6W 112 3.8b
ISC III 10 09 27 40±2.1 **19.4N**±.15 **104.8W**±.17 **63**±22 3.0b **20 1-44**
MEX III 10 09 27 35.9 19.3N 105.3W 20 4.7D **¶97iii2185**
MEX III 12 23 44 12.4 19.6N 104.3W 53 3.9D ¶97iii2607
ISC III 13 02 33 24±2.2 **19.6N**±.28 **104.9W**±.15 **10** **3.3b** **18 1-53**
MEX III 13 02 33 16.5 20.0N 105.5W 10 4.4D **¶97iii2628**
NEIC III 13 02 33 16.9 18.48N 104.47W 33 3.9b
EIDC III 13 02 33 19.7 18.9N 105.8W 0 3.3b,3.5L
NEIC Poor solution.
MEX IV 12 06 32 20.1 19.8N 104.4W 17 3.8D ¶97iv2017
ISC IV 15 20 00 28.6±.99 **19.21N**±.065 **104.39W**±.073 **63**±7.2 **4.6b** **109 1-133**
NEIC IV 15 20 00 24.6 19.12N 104.36W 33 4.7b,4.7s **¶97iv2642**
MOS IV 15 20 00 25.0 19.1N 104.4W 33 5.1b
MEX IV 15 20 00 25.3 19.0N 104.7W 14 4.9D
EIDC IV 15 20 00 37.1 19.5N 104.3W 123 4.2b
ISC IV 30 03 14 39±7.8 **19.8N**±.21 **104.5W**±.59 **13** **7 1-5**
MEX IV 30 03 14 38.5 19.8N 104.4W 13 4.2D **¶97iv5154**
ISC V 13 12 50 50±2.4 **19.1N**±.17 **104.6W**±.15 **42**±19 **3.5b,**3.5s **22 1-126**
EIDC V 13 12 50 42.4 18.6N 104.8W 0 3.2s,3.7b **¶97v2252**
NEIC V 13 12 50 46.8 18.86N 104.62W 33 3.1b
MEX V 13 12 50 49.6 19.2N 104.7W 5 4.6D
NEIC Poor solution.
MEX V 13 19 23 29.6 19.7N 104.3W 15 4.0D ¶97v2306
MEX V 25 22 40 08.8 18.7N 104.6W 16 4.1D ¶97v4327
ISC VI 21 11 36 48±2.5 **19.3N**±.19 **104.8W**±.20 **58**±58 3.1b **12 1-44**
MEX VI 21 11 36 51.5 19.3N 104.6W 67 4.6D **¶97vi3208**

(56) Near coast of Michoacan, Mexico.

ISC I 11 20 48 01±1.9 **17.8N**±.19 **103.23W**±.097 **16** **4.4b** **31 2-149**
NEIC I 11 20 48 04.1 18.10N 103.00W 33 **¶97i1576**
EIDC I 11 20 48 05.3 18.1N 102.6W 29 4.1b,4.2L
MEX I 11 20 48 05.3 17.7N 103.0W 16 4.7D
NEIC Single network solution.
MEX I 11 22 12 53.2 17.6N 103.1W 17 4.0D ¶97i1585
ISC I 12 01 28 28±1.3 **17.95N**±.097 **102.56W**±.092 **56**±8.3 **4.6b** **59 1-149**
NEIC I 12 01 28 26.1 18.05N 102.42W 33 4.9b **¶97i1608**
MEX I 12 01 28 28.9 17.9N 102.5W 14 4.6D
EIDC I 12 01 28 38.4 18.5N 102.2W 118 3.8b
NEIC Less reliable solution.
ISC I 14 09 34 51±5.4 **17.4N**±.38 **103.0W**±.27 **17** **14 1-5**
MEX I 14 09 34 56.6 17.7N 102.9W 17 4.1D **¶97i1976**
MEX I 21 05 27 37.0 17.8N 102.8W 16 4.0D ¶97i3145
ISC I 26 00 39 21±3.7 **18.8N**±.20 **103.2W**±.31 **12** **7 2-6**
MEX I 26 00 39 24.3 19.1N 102.8W 12 4.0D **¶97i3864**
ISC I 27 16 47 34±1.2 **17.86N**±.078 **102.68W**±.076 **34**±7.4 **4.9b,4.3s** **109 1-149**
NEIC I 27 16 47 32.7 17.85N 102.73W 26 5.0b,4.4s **¶97i4107**
MEX I 27 16 47 34.0 17.9N 102.6W 23 4.9D
EIDC I 27 16 47 34.7 18.1N 102.4W 22 4.6b,4.2s
MEX II 01 05 48 55.8 18.0N 102.7W 16 4.1D ¶97ii0030
ISC II 20 13 20 16±4.9 **18.0N**±.33 **103.3W**±.31 **4** **9 2-5**
MEX II 20 13 20 26.0 18.5N 103.0W 4 4.1D **¶97ii2933**
MEX III 01 23 24 30.0 17.1N 102.0W 20 3.2D ¶97iii0213
MEX IV 03 11 23 25.1 17.8N 102.8W 5 3.9D ¶97iv0420
ISC IV 22 19 19 33±6.3 **18.1N**±.34 **103.7W**±.45 **7** **8 2-5**
MEX IV 22 19 19 40.5 18.3N 103.4W 7 3.8D **¶97iv3818**
ISC IV 27 06 25 21±2.3 **19.0N**±.11 **103.15W**±.090 **2**±13 **3.3b** **32 1-54**
EIDC IV 27 06 25 21.7 19.4N 101.4W 0 3.3b **¶97iv4675**
MEX IV 27 06 25 24.3 19.0N 103.2W 14 4.5D
NEIC IV 27 06 25 24.9 19.21N 103.12W 33 3.7b
NEIC Less reliable solution.
ISC VI 10 18 03 48±4.6 **17.9N**±.40 **102.7W**±.31 **10** **8 1-4**
MEX VI 10 18 03 51.4 17.9N 102.6W 10 4.1D **¶97vi1556**

(57) Michoacan, Mexico.

ISC I 11 20 28 28.0±.48 **18.17N**±.030 **102.83W**±.028 **49**±3.6 **6.4b,7.0s** **682 1-152**
NEIC I 11 20 28 26.0 18.22N 102.76W 33 6.5b,6.9s **¶97i1574**
MOS I 11 20 28 27.1 18.5N 102.8W 33 7.1b,7.2s
MEX I 11 20 28 27.2 17.9N 103.0W 16 4.5D
BJI I 11 20 28 27.4 18.57N 102.79W 33 6.1b,7.4s
EIDC I 11 20 28 33.6 18.4N 102.6W 86 5.5b,6.8s
HRVD I 11 20 28 39.6±.1 18.34N 102.58W±.01 40
NEIC Mw7.2(GS), Me7.0(GS). Casualties.
NEIC Radiated energy from the P−wave first−motion solution: 7.4±1.7×10^{14}Nm/13
NEIC Mw 7.2 (HRV). One person killed and extensive damage in the Arteaga area. Felt strongly in much of Michoacan and at Mexico City. Also felt in Colima, Guerrero and Jalisco. Mo=7.5×10^{19}Nm (PPT).
NEIC Moment tensor solution: s22, scale 10^{19}Nm; M_{rr}0.11; $M_{\theta\theta}$−0.39; $M_{\phi\phi}$0.28; $M_{r\theta}$5.89; $M_{r\phi}$−2.41; $M_{\theta\phi}$−0.14. Depth 11km; Principal axes: T 6.33,Plg46°,Azm25°; N 0.09,Plg3°, Azm292°; P −6.42,Plg44°,Azm199°. Best double couple: $M_0$6.4×10^{19}Nm; NP1:ϕ_S215°,δ3°, λ13°. NP2:ϕ_S112°,δ89°,λ93°.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ88°,λ−115°. NP2:ϕ_S191°,δ25°,λ−5°. Principal axes: T Plg38°,Azm37°; P Plg42°,Azm171°. Complex earthquake, with at least one event occurring about 3.5 seconds after the onset. Depth from synthetics of broadband displacement seismograms, based on second event.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c108; Mantle waves: s44,c107; Half duration: 9s4. Moment tensor: Scale 10^{19}Nm; M_{rr}−1.44±.01; $M_{\theta\theta}$0.50±.01; $M_{\phi\phi}$0.94±.01; $M_{r\theta}$5.17±.03; $M_{r\phi}$−2.05±.03; $M_{\theta\phi}$−2.14±.01. Principal Axes: T 6.39,Plg35°,Azm35°; N −0.66,Plg16°,Azm294°; P −5.73,Plg51°,Azm183°. Best double couple: $M_0$6.1×10^{19}Nm, NP1:ϕ_S175°,δ18°,λ−28°. NP2:ϕ_S292°,δ82°,λ−106°.
ISC I 12 00 10 28±1.2 **18.09N**±.092 **102.87W**±.088 **53**±8.8 **4.3b** **53 1-149**
NEIC I 12 00 10 26.8 18.32N 102.68W 33 3.8b **¶97i1601**
MEX I 12 00 10 28.6 17.9N 102.9W 25 4.6D
EIDC I 12 00 10 36.0 18.5N 102.6W 94 4.0b
NEIC Poor solution.
ISC I 12 02 20 09±1.6 **18.0N**±.12 **102.6W**±.11 **53**±13 **3.9b** **25 1-85**
MEX I 12 02 20 09.9 18.0N 102.6W 8 4.3D **¶97i1614**
EIDC I 12 02 20 27.9 19.1N 102.5W 149 3.5b,3.4L
ISC I 16 21 41 09.1±.82 **18.07N**±.056 **102.71W**±.053 **43**±5.1 **5.5b,5.3s** **326 1-152**
NEIC I 16 21 41 07.0 18.10N 102.68W 28 5.6b,4.9s **¶97i2363**
BJI I 16 21 41 07.8 18.18N 102.36W 39 5.7s
EIDC I 16 21 41 08.4 18.2N 102.6W 28 4.7b

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
MOS	I	16 21 41 10.1	18.5N	102.7W	33	5.9b		
MEX	I	16 21 41 10.1	17.9N	102.8W	25	5.1D		
HRVD	I	16 21 41 16.9±.3	18.23N±.02	102.55W±.02	47±1.6			
NEIC		Mw5.5(HRV).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c54; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}2.07±.05; $M_{\theta\theta}$−1.92±.07; $M_{\phi\phi}$−0.15±.09; $M_{r\theta}$−0.46±.08; $M_{r\phi}$0.42±.08; $M_{\theta\phi}$0.66±.05. Principal Axes: T 2.17,Plg80°,Azm240°; N 0.04, Plg7°,Azm110°; P −2.21,Plg8°,Azm19°. Best double couple: $M_0$2.2×10^{17}Nm, NP1:ϕ_S102°, δ38°,λ79°. NP2:ϕ_S295°,δ53°,λ98°.						
ISC	**I**	**17 08 41 47**±4.4	**18.5N**±.37	**102.8W**±.26	**10**		**6**	**1-4**
MEX	I	17 08 41 47.0	18.2N	103.0W	10	4.0D		**¶97i2420**
MEX	**II**	**21 23 37 46.0**	**19.4N**	**102.3W**	**85**	**3.6D**		**¶97ii3139**
ISC	**II**	**22 02 17 27.9**±.82	**19.5N**±.10	**102.35W**±.079	**8**		**10**	**1-3**
MEX	II	22 02 17 31.1	19.5N	102.3W	8	3.8D		**¶97ii3155**
ISC	**II**	**22 10 32 24.8**±.99	**19.5N**±.13	**102.3W**±.13	**76**		**7**	**1-3**
MEX	II	22 10 32 25.8	19.5N	102.3W	76	3.7D		**¶97ii3194**
MEX	**II**	**22 23 53 02.7**	**19.4N**	**102.3W**	**83**	**3.5D**		**¶97ii3268**
MEX	**II**	**24 12 15 50.2**	**19.4N**	**102.2W**	**56**	**3.2D**		**¶97ii3475**
ISC	**II**	**27 02 34 33**±1.2	**19.4N**±.14	**102.2W**±.13	**33**		**5**	**1-2**
MEX	II	27 02 34 35.0	19.4N	102.2W	13	3.5D		**¶97ii3894**
ISC		Poorly determined						
ISC	**III**	**09 00 02 44.8**±.77	**19.49N**±.096	**102.34W**±.074	**10**		**12**	**1-4**
MEX	III	09 00 02 47.9	19.5N	102.2W	10	3.6D		**¶97iii1868**
ISC	**IV**	**07 04 22 56.8**±.86	**18.70N**±.077	**102.02W**±.090	**9**		**12**	**1-3**
MEX	IV	07 04 23 00.2	18.7N	102.0W	9	4.0D		**¶97iv1099**
ISC	**IV**	**16 04 01 26**±2.0	**18.4N**±.15	**103.0W**±.17	**11**		**10**	**1-4**
MEX	IV	16 04 01 29.5	18.4N	102.9W	11	3.9D		**¶97iv2686**
ISC	**V**	**20 12 48 23**±1.8	**18.2N**±.15	**102.8W**±.14	**16**	**3.4b**	**13**	**1-55**
EIDC	V	20 12 48 17.5	17.5N	100.6W	49	3.3b,3.3L		**¶97v3401**
MEX	V	20 12 48 30.6	18.3N	102.4W	16	4.1D		
ISC	**VI**	**05 08 10 07**±1.0	**19.0N**±.16	**101.6W**±.12	**95**		**6**	**1-3**
MEX	VI	05 08 10 08.2	19.0N	101.6W	95	3.8D		**¶97vi0731**

(58) Near coast of Guerrero, Mexico.

MEX	**I**	**02 20 13 57.4**	**17.0N**	**100.3W**	**41**	**3.0D**		**¶97i0267**
MEX	**I**	**04 09 10 29.7**	**16.8N**	**100.3W**	**5**	**3.4D**		**¶97i0513**
ISC	**I**	**07 01 05 37**±7.4	**16.4N**±.46	**100.0W**±.25	**3**		**5**	**0-3**
MEX	I	07 01 05 36.6	16.4N	100.1W	3	3.5D		**¶97i0864**
ISC	**I**	**07 08 45 32**±1.8	**16.23N**±.090	**98.73W**±.072	**30**±11	**4.3b**	**56**	**1-150**
MEX	I	07 08 45 29.4	16.0N	99.0W	21	4.7D		**¶97i0902**
NEIC	I	07 08 45 31.5	16.18N	98.68W	33	4.5b		
EIDC	I	07 08 45 44.9	16.3N	98.6W	144	3.8b		
MEX	**I**	**08 20 30 38.1**	**16.4N**	**99.6W**	**3**	**3.7D**		**¶97i1112**
ISC	**I**	**11 12 39 16**±4.2	**16.1N**±.27	**98.6W**±.13	**10**±20		**8**	**1-4**
MEX	I	11 12 39 20.2	16.2N	98.4W	21	3.8D		**¶97i1521**
MEX	**I**	**12 04 53 51.0**	**16.9N**	**100.2W**	**5**	**3.2D**		**¶97i1623**
ISC	**I**	**13 09 33 09**±1.8	**16.0N**±.16	**98.0W**±.11	**5**		**6**	**0-3**
MEX	I	13 09 33 11.9	16.2N	98.1W	5	3.9D		**¶97i1815**
ISC	**I**	**15 16 49 42**±1.9	**16.8N**±.16	**100.0W**±.11	**43**±22		**8**	**0-3**
MEX	I	15 16 49 44.8	16.8N	100.1W	30	3.6D		**¶97i2179**
MEX	**I**	**19 01 46 36.1**	**16.1N**	**98.8W**	**15**	**4.0D**		**¶97i2761**
ISC	**I**	**21 21 19 58.3**±.82	**16.33N**±.050	**98.16W**±.041	**30**±5.3	**5.0b,5.0s**	**188**	**0-150**
MEX	I	21 21 19 58.0	16.4N	98.2W	18	4.8D		**¶97i3229**
BJI	I	21 21 19 58.9	16.40N	98.00W	33			
NEIC	I	21 21 19 58.9	16.41N	98.04W	33	5.1b,5.0s		
EIDC	I	21 21 20 01.9	16.5N	98.0W	43	4.7b,4.7s		
HRVD	I	21 21 20 02.1±.4	16.49N±.04	97.99W±.05	40±2.9			
NEIC		Mw5.5(HRV)						
NEIC		Felt throughout Guerrero and Oaxaca. Also felt at Mexico City.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c45; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.30±.06; $M_{\theta\theta}$−1.01±.07; $M_{\phi\phi}$−0.29±.11; $M_{r\theta}$0.64±.12; $M_{r\phi}$−1.45±.14; $M_{\theta\phi}$0.69±.07. Principal Axes: T 2.17,Plg60°,Azm82°; N −0.16, Plg17°,Azm320°; P −2.00,Plg24°,Azm222°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S281°,δ26°,λ49°. NP2:ϕ_S146°,δ71°,λ108°.						
ISC	**I**	**29 12 02 29**±2.1	**17.2N**±.11	**101.47W**±.089	**17**±14	**3.5b**	**27**	**0-56**
EIDC	I	29 12 02 14.9	15.9N	99.6W	0	3.5b,3.3L		**¶97i4347**
NEIC	I	29 12 02 29.4	17.08N	101.51W	33	3.4b		
MEX	I	29 12 02 30.5	17.3N	101.4W	21	4.2D		
NEIC		Less reliable solution.						
ISC	**II**	**05 04 04 20**±2.2	**16.5N**±.20	**98.8W**±.12	**95**		**6**	**1-3**
MEX	II	05 04 04 21.4	16.5N	98.8W	95	3.8D		**¶97ii0637**
ISC	**II**	**06 13 47 07**±2.0	**17.0N**±.22	**100.4W**±.12	**24**±16		**8**	**0-3**
MEX	II	06 13 47 09.4	16.9N	100.4W	14	3.5D		**¶97ii0847**
ISC	**II**	**09 12 27 06**±1.0	**17.7N**±.13	**101.22W**±.098	**20**±25		**18**	**0-4**
MEX	II	09 12 27 07.2	17.6N	101.4W	41	3.9D		**¶97ii1306**
ISC	**II**	**11 07 12 54**±1.1	**17.92N**±.074	**101.49W**±.094	**55**		**17**	**0-3**
MEX	II	11 07 12 55.0	17.9N	101.6W	55	4.0D		**¶97ii1598**
ISC	**II**	**13 13 36 52**±4.1	**16.9N**±.30	**100.1W**±.20	**17**		**5**	**0-2**
MEX	II	13 13 36 53.0	16.9N	100.1W	17	3.2D		**¶97ii1931**
MEX	**II**	**13 17 57 13.9**	**16.8N**	**100.2W**	**10**	**3.2D**		**¶97ii1956**
ISC	**II**	**14 16 05 30**±1.9	**16.8N**±.12	**100.13W**±.086	**13**±7.7		**23**	**0-5**
MEX	II	14 16 05 32.1	16.8N	100.1W	5	4.1D		**¶97ii2075**
ISC	**II**	**16 13 54 54.3**±.75	**17.79N**±.061	**101.27W**±.063	**29**		**22**	**0-4**
MEX	II	16 13 54 55.6	17.8N	101.4W	29	4.1D		**¶97ii2380**
NEIC	II	16 13 54 56.2	17.87N	101.15W	33			
NEIC		Single network solution.						
MEX	**II**	**16 16 17 11.2**	**17.6N**	**101.5W**	**55**	**3.4D**		**¶97ii2388**
ISC	**II**	**18 06 00 30**±1.9	**16.3N**±.16	**98.62W**±.069	**6**		**14**	**0-4**
MEX	II	18 06 00 32.1	16.2N	98.6W	6	3.8D		**¶97ii2609**
ISC	**II**	**18 15 02 50**±3.8	**16.1N**±.28	**98.1W**±.15	**5**		**7**	**0-3**
MEX	II	18 15 02 52.7	16.1N	98.1W	5	3.9D		**¶97ii2661**
MEX	**II**	**20 04 16 36.9**	**16.9N**	**100.1W**	**11**	**2.6D**		**¶97ii2874**
ISC	**II**	**25 21 46 40**±1.1	**16.07N**±.096	**98.29W**±.061	**11**	**3.9b**	**32**	**0-59**
MEX	II	25 21 46 45.6	16.2N	98.2W	11	4.3D		**¶97ii3695**
NEIC	II	25 21 46 47.5	16.70N	98.30W	33	3.8b		
EIDC	II	25 21 46 48.7	17.8N	96.5W	0	3.9b,3.7L		
NEIC		Less reliable solution.						
ISC	**II**	**26 07 07 00**±5.0	**16.5N**±.36	**101.2W**±.20	**17**		**15**	**1-4**
MEX	II	26 07 07 02.9	16.9N	101.3W	17	3.9D		**¶97ii3757**
ISC	**II**	**26 08 11 27**±3.4	**16.9N**±.23	**101.1W**±.15	**9**		**15**	**1-4**
MEX	II	26 08 11 26.2	17.0N	101.4W	9	3.9D		**¶97ii3765**
ISC	**II**	**28 03 44 53**±2.5	**16.6N**±.19	**101.1W**±.10	**16**	3.1b	**20**	**1-47**
MEX	II	28 03 44 51.4	16.6N	101.4W	16	4.0D		**¶97ii4121**
MEX	**II**	**28 19 53 40.4**	**17.3N**	**101.2W**	**21**	**3.1D**		**¶97ii4324**
ISC	**III**	**02 19 15 13**±1.1	**16.24N**±.097	**99.30W**±.059	**38**±14	**3.8b**	**26**	**1-47**
MEX	III	02 19 15 14.7	16.2N	99.3W	13	4.1D		**¶97iii0382**
EIDC	III	02 19 15 28.5	16.7N	97.9W	163	3.4b		
ISC	**III**	**02 20 33 20**±1.1	**16.3N**±.10	**99.26W**±.054	**11**	**3.7b**	**27**	**1-47**
EIDC	III	02 20 33 06.3	15.3N	97.0W	0	3.6b,3.8L		**¶97iii0398**
MEX	III	02 20 33 22.9	16.3N	99.3W	11	4.3D		
ISC	**III**	**04 23 25 29**±4.7	**17.1N**±.23	**101.2W**±.36	**34**		**9**	**0-3**
MEX	III	04 23 25 28.7	17.2N	101.2W	34	3.5D		**¶97iii0937**
ISC	**III**	**05 07 12 24**±3.0	**17.0N**±.20	**101.1W**±.16	**22**±9.8		**13**	**0-3**
MEX	III	05 07 12 23.9	17.0N	101.2W	33	4.1D		**¶97iii1006**
ISC	**III**	**05 15 12 14**±2.5	**16.2N**±.14	**98.03W**±.085	**18**±22		**15**	**0-4**
MEX	III	05 15 12 16.4	16.2N	98.1W	9	4.1D		**¶97iii1081**
ISC	**III**	**07 03 41 34**±4.2	**17.1N**±.24	**101.0W**±.24	**17**±19		**8**	**0-3**
MEX	III	07 03 41 36.3	17.3N	100.9W	9	3.2D		**¶97iii1425**
ISC	**III**	**09 18 25 43**±2.0	**17.0N**±.18	**100.1W**±.16	**26**±18		**5**	**0-1**
MEX	III	09 18 25 45.0	17.1N	100.1W	12	3.0D		**¶97iii2045**
ISC		Poorly determined						
MEX	**III**	**10 17 11 08.8**	**17.0N**	**101.2W**	**22**	**3.6D**		**¶97iii2249**
MEX	**III**	**10 20 59 33.4**	**17.2N**	**101.1W**	**12**	**3.3D**		**¶97iii2269**
MEX	**III**	**11 07 10 30.2**	**16.9N**	**100.1W**	**49**	**3.4D**		**¶97iii2330**
ISC	**III**	**11 16 43 12**±2.7	**16.2N**±.23	**98.57W**±.086	**11**		**11**	**0-4**
MEX	III	11 16 43 12.2	15.9N	98.5W	11	4.1D		**¶97iii2412**
ISC	**III**	**11 16 50 43**±1.0	**16.2N**±.11	**98.50W**±.056	**35**	**4.2b**	**55**	**2-142**
MEX	III	11 16 50 40.9	15.9N	98.6W	35	4.5D		**¶97iii2413**
NEIC	III	11 16 50 46.0	16.51N	98.35W	33	4.2b		
EIDC	III	11 16 50 55.2	16.8N	98.4W	92	3.8b,3.6L		
NEIC		Less reliable solution.						
ISC	**III**	**12 08 57 09**±3.8	**16.8N**±.31	**101.6W**±.19	**19**		**5**	**2-3**
MEX	III	12 08 57 10.8	16.9N	101.5W	19	4.1D		**¶97iii2500**
ISC	**III**	**12 14 38 16**±1.5	**16.1N**±.15	**98.63W**±.067	**5**		**12**	**1-4**
MEX	III	12 14 38 20.5	16.3N	98.6W	5	4.0D		**¶97iii2550**
MEX	**III**	**13 17 10 56.9**	**17.1N**	**101.3W**	**10**	**3.2D**		**¶97iii2741**
ISC	**III**	**14 01 42 54**±1.1	**17.94N**±.080	**101.42W**±.089	**27**±17		**20**	**0-5**
MEX	III	14 01 42 56.7	17.9N	101.4W	28	4.1D		**¶97iii2795**
ISC	**III**	**14 02 22 49**±1.3	**17.90N**±.095	**101.53W**±.090	**47**±33		**17**	**0-5**
MEX	III	14 02 22 49.9	17.8N	101.6W	61	4.0D		**¶97iii2799**
MEX	**III**	**14 06 52 28.6**	**17.6N**	**101.2W**	**28**	**3.0D**		**¶97iii2824**
ISC	**III**	**16 02 14 33**±1.3	**16.8N**±.12	**100.17W**±.075	**77**±8.0	**3.1b**	**24**	**0-57**
EIDC	III	16 02 14 26.2	16.5N	98.9W	48	2.9b		**¶97iii3149**
MEX	III	16 02 14 37.5	17.0N	100.2W	53	4.2D		
ISC	**III**	**17 19 22 48**±5.9	**17.7N**±.19	**101.2W**±.50	**13**±32		**6**	**0-2**
MEX	III	17 19 22 48.4	17.7N	101.4W	7	3.2D		**¶97iii3423**
ISC	**III**	**18 16 05 25**±4.2	**17.0N**±.10	**99.8W**±.28	**2**		**4**	**0-1**
MEX	III	18 16 05 24.9	17.0N	99.8W	2	2.7D		**¶97iii3562**
ISC		Poorly determined						
ISC	**III**	**20 17 22 39**±7.2	**16.6N**±.42	**101.4W**±.36	**16**		**11**	**1-4**
MEX	III	20 17 22 42.0	16.8N	101.5W	16	3.8D		**¶97iii3929**
ISC	**III**	**22 05 21 40**±2.7	**16.4N**±.12	**99.90W**±.060	**8**±12	**4.3b,3.7s**	**49**	**0-58**
EIDC	III	22 05 21 39.4	16.3N	99.8W	0	4.2b,3.7s		**¶97iii4207**
MEX	III	22 05 21 42.9	16.3N	100.0W	16	4.3D		
NEIC	III	22 05 21 45.3	16.62N	99.67W	33	4.1b		
NEIC		Less reliable solution.						
ISC	**III**	**22 05 32 33**±9.4	**16.5N**±.64	**100.1W**±.16	**20**±24		**7**	**0-3**
MEX	III	22 05 32 35.8	16.7N	100.2W	19	3.6D		**¶97iii4208**
ISC	**III**	**24 07 09 52**±1.0	**17.35N**±.082	**101.11W**±.073	**47**±12	2.9b	**24**	**0-46**
MEX	III	24 07 09 54.1	17.3N	101.1W	41	4.3D		**¶97iii4543**
ISC	**III**	**25 06 24 58**±1.5	**16.6N**±.12	**99.46W**±.072	**5**		**15**	**0-3**
MEX	III	25 06 25 00.6	16.7N	99.6W	5	3.8D		**¶97iii4687**
ISC	**III**	**27 09 37 33**±2.0	**16.9N**±.21	**100.05W**±.091	**20**±19		**7**	**0-3**
NEIC	III	27 09 37 32.4	16.96N	100.03W	10			**¶97iii5184**
MEX	III	27 09 37 34.4	17.0N	100.0W	10	3.5D		
NEIC		Single network solution.						
ISC	**III**	**29 04 21 54**±2.1	**16.3N**±.18	**99.14W**±.088	**14**		**11**	**1-3**
MEX	III	29 04 21 56.6	16.3N	99.1W	14	3.9D		**¶97iii5530**
ISC	**III**	**31 14 58 19**±1.9	**16.4N**±.16	**99.73W**±.070	**24**	3.2b	**22**	**0-47**
NEIC	III	31 14 58 18.6	16.44N	99.73W	24	3.3b		**¶97iii5898**
MEX	III	31 14 58 19.1	16.3N	99.6W	14	4.1D		
NEIC		Less reliable solution.						
ISC	**III**	**31 21 05 52**±2.3	**16.1N**±.22	**98.19W**±.079	**10**		**12**	**2-5**
NEIC	III	31 21 05 51.5	15.83N	98.19W	33			**¶97iii5935**
MEX	III	31 21 05 56.2	16.2N	98.3W	10	3.9D		
NEIC		Poor solution.						
ISC	**IV**	**01 22 18 49**±2.4	**16.1N**±.19	**98.4W**±.10	**75**		**17**	**2-4**
MEX	IV	01 22 18 50.7	16.2N	98.5W	75	4.0D		**¶97iv0150**
ISC	**IV**	**02 17 55 23**±4.3	**16.9N**±.33	**99.5W**±.34	**71**		**5**	**0-2**
MEX	IV	02 17 55 24.4	16.9N	99.5W	71	3.2D		**¶97iv0281**
ISC	**IV**	**05 07 44 41**±4.4	**16.1N**±.19	**98.15W**±.063	**27**±24	**4.4b,3.2s**	**61**	**2-131**
MEX	IV	05 07 44 35.7	15.5N	98.4W	91	4.8D		**¶97iv0729**
NEIC	IV	05 07 45 00.6	16.88N	98.02W	168	4.7b		
EIDC	IV	05 07 45 01.9	17.0N	98.2W	153	3.8b,3.2s		
NEIC		Less reliable solution.						
ISC	**IV**	**07 14 37 07**±6.6	**16.5N**±.39	**100.7W**±.33	**6**		**6**	**1-3**
MEX	IV	07 14 37 12.3	16.7N	100.5W	6	3.7D		**¶97iv1174**
MEX	**IV**	**09 00 45 00.7**	**16.9N**	**100.1W**	**11**	**3.1D**		**¶97iv1435**
ISC	**IV**	**10 03 21 04**±5.5	**17.2N**±.28	**101.5W**±.38	**10**		**6**	**1-3**
MEX	IV	10 03 21 12.1	17.4N	101.2W	10	3.9D		**¶97iv1620**
ISC	**IV**	**13 23 56 09**±4.9	**16.2N**±.40	**99.6W**±.20	**2**		**5**	**1-3**
MEX	IV	13 23 56 12.9	16.5N	99.5W	2	3.6D		**¶97iv2336**
MEX	**IV**	**14 16 41 41.5**	**16.4N**	**99.3W**	**5**	**3.8D**		**¶97iv2485**
ISC	**IV**	**14 17 56 18**±3.1	**16.5N**±.19	**99.23W**±.081	**3**±20		**11**	**1-3**
MEX	IV	14 17 56 20.7	16.4N	99.3W	11	3.6D		**¶97iv2492**
ISC	**IV**	**16 22 20 10**±1.7	**16.9N**±.16	**100.31W**±.086	**17**±13		**7**	**0-2**
NEIC	IV	16 22 20 08.9	16.87N	100.32W	10			**¶97iv2815**
MEX	IV	16 22 20 11.7	17.0N	100.3W	15	2.7D		
NEIC		Single network solution.						
ISC	**IV**	**17 19 47 08**±2.9	**16.8N**±.24	**99.9W**±.14	**27**±12		**7**	**0-2**
MEX	IV	17 19 47 07.3	16.9N	99.7W	29	3.2D		**¶97iv2962**
ISC	**IV**	**18 09 57 21**±1.9	**16.6N**±.16	**99.57W**±.096	**5**		**7**	**0-3**
MEX	IV	18 09 57 24.1	16.7N	99.7W	5	3.7D		**¶97iv3054**
ISC	**IV**	**21 04 08 42**±1.2	**16.8N**±.10	**100.06W**±.092	**64**±8.2	**3.8b**	**33**	**0-57**
EIDC	IV	21 04 08 20.0	14.9N	100.5W	0	3.9b,3.3L		**¶97iv3401**
NEIC	IV	21 04 08 28.7	15.70N	100.13W	33	4.0b		
MEX	IV	21 04 08 36.8	16.6N	100.7W	9	4.6D		
NEIC		Poor solution.						
MEX	**IV**	**21 09 24 20.5**	**17.0N**	**101.4W**	**20**	**3.5D**		**¶97iv3437**
MEX	**IV**	**24 06 21 04.6**	**17.0N**	**99.5W**	**34**	**3.6D**		**¶97iv4093**
ISC	**IV**	**30 11 14 15**±2.2	**16.4N**±.19	**99.10W**±.092	**50**		**9**	**1-3**
MEX	IV	30 11 14 14.3	16.3N	98.9W	17	3.7D		**¶97iv5208**
NEIC	IV	30 11 14 15.1	16.45N	99.09W	50			
NEIC		Single network solution.						
MEX	**V**	**02 16 49 43.1**	**16.8N**	**100.1W**	**8**	**3.3D**		**¶97v0299**
ISC	**V**	**05 08 49 06**±2.8	**16.0N**±.21	**98.0W**±.11	**5**		**7**	**0-5**
MEX	V	05 08 49 10.5	16.2N	98.1W	5	4.0D		**¶97v0762**

MEX	**V**	**06 15 51 39.6**	**16.9N**	**99.7W**	**2**	**3.3D**		**¶97v0983**
MEX	**V**	**07 07 16 04.0**	**16.8N**	**99.7W**	**10**	**3.3D**		**¶97v1061**
ISC	**V**	**07 16 05 51**±1.3	**17.5N**±.15	**101.2W**±.12	**48**		**6**	**0-3**
MEX	V	07 16 05 52.1	17.4N	101.2W	48	3.4D		**¶97v1121**
MEX	**V**	**08 00 50 21.5**	**16.9N**	**100.3W**	**14**	**3.4D**		**¶97v1161**
MEX	**V**	**08 08 33 51.5**	**16.6N**	**99.9W**	**10**	**3.4D**		**¶97v1207**
MEX	**V**	**09 04 12 13.5**	**17.6N**	**101.2W**	**47**	**3.3D**		**¶97v1358**
MEX	**V**	**12 03 59 22.8**	**17.3N**	**101.3W**	**11**	**3.3D**		**¶97v1888**
ISC	**V**	**13 22 17 33**±8.4	**16.4N**±.58	**99.7W**±.17	**8**		**5**	**0-3**
MEX	V	13 22 17 39.2	16.7N	99.8W	8	3.3D		**¶97v2341**
ISC	**V**	**14 23 32 22**±1.9	**17.9N**±.13	**101.8W**±.13	**21**±24		**13**	**0-5**
MEX	V	14 23 32 21.8	17.9N	101.9W	2	4.2D		**¶97v2521**
ISC	**V**	**20 20 05 18**±2.4	**16.4N**±.22	**99.2W**±.11	**31**		**6**	**1-3**
MEX	V	20 20 05 18.5	16.2N	99.3W	31	3.8D		**¶97v3453**
MEX	**V**	**24 12 49 18.7**	**16.8N**	**100.4W**	**20**	**2.9D**		**¶97v4107**
MEX	**V**	**30 03 23 07.4**	**16.7N**	**99.8W**	**7**	**3.3D**		**¶97v4971**
MEX	**V**	**30 03 30 08.3**	**16.6N**	**99.9W**	**10**	**3.8D**		**¶97v4972**
MEX	**V**	**30 21 13 01.7**	**16.5N**	**100.7W**	**11**	**3.3D**		**¶97v5101**
ISC	**V**	**31 19 58 19**±2.2	**17.3N**±.15	**101.0W**±.15	**14**		**7**	**1-4**
MEX	V	31 19 58 20.6	17.3N	101.1W	14	4.1D		**¶97v5232**
ISC	**VI**	**01 11 53 45**±6.5	**16.5N**±.63	**99.7W**±.49	**99**		**5**	**0-3**
MEX	VI	01 11 53 46.0	16.8N	100.4W	99	4.1D		**¶97vi0074**
ISC	**VI**	**02 07 55 09**±1.4	**16.3N**±.13	**98.48W**±.083	**43**±29		**12**	**0-4**
MEX	VI	02 07 55 11.6	16.3N	98.5W	31	4.2D		**¶97vi0207**
ISC	**VI**	**04 03 15 20**±5.1	**17.2N**±.26	**101.4W**±.35	**5**		**7**	**1-5**
MEX	VI	04 03 15 23.6	17.3N	101.3W	5	3.8D		**¶97vi0551**
ISC	**VI**	**04 03 45 47**±4.0	**16.1N**±.35	**99.1W**±.14	**24**		**6**	**1-4**
MEX	VI	04 03 45 50.7	16.2N	99.1W	24	4.0D		**¶97vi0553**
MEX	**VI**	**04 16 00 25.8**	**17.8N**	**101.5W**	**9**	**3.8D**		**¶97vi0640**
ISC	**VI**	**05 23 16 03**±7.8	**16.9N**±.38	**100.7W**±.33	**10**±23		**6**	**0-3**
MEX	VI	05 23 16 08.3	16.9N	100.5W	13	3.8D		**¶97vi0850**
MEX	**VI**	**08 06 02 44.3**	**17.2N**	**101.3W**	**5**	**3.8D**		**¶97vi1185**
MEX	**VI**	**14 08 20 10.1**	**16.3N**	**98.3W**	**2**	**4.1D**		**¶97vi2103**
ISC	**VI**	**15 00 46 35**±5.3	**17.4N**±.27	**101.5W**±.42	**12**		**4**	**2-3**
MEX	VI	15 00 46 40.2	17.5N	101.3W	12	3.9D		**¶97vi2198**
ISC		Poorly determined						
ISC	**VI**	**17 08 05 42**±2.9	**16.6N**±.18	**100.2W**±.11	**21**±20		**9**	**0-3**
MEX	VI	17 08 05 43.6	16.7N	100.2W	12	4.0D		**¶97vi2573**
ISC	**VI**	**17 12 34 46**±1.1	**17.6N**±.12	**101.41W**±.097	**45**±11	3.3b	**14**	**0-56**
EIDC	VI	17 12 34 25.4	17.1N	96.4W	0	3.6b,3.4L		**¶97vi2630**
MEX	VI	17 12 34 48.4	17.6N	101.4W	38	4.4D		
MEX	**VI**	**21 20 12 04.6**	**16.6N**	**99.7W**	**5**	**3.7D**		**¶97vi3274**
MEX	**VI**	**24 03 32 52.7**	**16.9N**	**99.8W**	**13**	**3.5D**		**¶97vi3627**
ISC	**VI**	**25 04 01 42**±1.4	**16.4N**±.13	**98.27W**±.099	**17**		**9**	**2-3**
MEX	VI	25 04 01 45.9	16.5N	98.2W	17	4.1D		**¶97vi3840**
ISC	**VI**	**26 19 01 01**±6.6	**16.7N**±.36	**100.2W**±.37	**10**		**4**	**0-3**
MEX	VI	26 19 01 05.9	16.8N	100.0W	10	4.1D		**¶97vi4189**
ISC		Poorly determined						
ISC	**VI**	**28 23 29 55**±1.0	**16.9N**±.12	**99.66W**±.099	**28**±19		**14**	**0-5**
MEX	VI	28 23 29 56.5	16.9N	99.7W	28	3.9D		**¶97vi4541**

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ISC	**I**	**13 10 55 37**±2.1	**17.1N**±.22	**100.2W**±.12	**47**±31		**6**	**0-3**
MEX	I	13 10 55 39.1	17.2N	100.2W	35	3.3D		**¶97i1826**
ISC	**I**	**17 23 38 05**±1.0	**17.65N**±.090	**98.9W**±.11	**80**		**8**	**1-2**
MEX	I	17 23 38 05.9	17.7N	98.8W	80	3.5D		**¶97i2562**
ISC	**II**	**01 15 56 05**±1.3	**18.2N**±.11	**99.5W**±.26	**44**±19		**9**	**0-2**
MEX	II	01 15 56 05.3	18.2N	99.6W	49	3.2D		**¶97ii0095**
MEX	**II**	**03 14 44 00.2**	**17.0N**	**100.5W**	**16**	**2.8D**		**¶97ii0389**
ISC	**II**	**04 07 52 04**±1.2	**18.6N**±.12	**101.98W**±.094	**6**		**10**	**1-3**
MEX	II	04 07 52 07.0	18.6N	102.0W	6	4.0D		**¶97ii0486**
ISC	**II**	**04 13 56 14**±1.1	**17.8N**±.21	**99.8W**±.48	**64**	2.7b	**7**	**1-46**
MEX	II	04 13 56 15.1	17.8N	99.9W	64	3.3D		**¶97ii0537**
MEX	**II**	**05 14 58 39.2**	**17.1N**	**100.3W**	**33**	**2.8D**		**¶97ii0708**
ISC	**II**	**09 08 07 06**±1.5	**17.2N**±.12	**100.9W**±.10	**33**		**9**	**1-3**
MEX	II	09 08 07 07.6	17.2N	100.9W	33	3.4D		**¶97ii1281**
MEX	**II**	**09 22 29 52.7**	**17.5N**	**99.9W**	**49**	**2.9D**		**¶97ii1374**
MEX	**II**	**13 12 46 47.2**	**17.3N**	**100.9W**	**20**	**3.0D**		**¶97ii1921**
MEX	**II**	**14 03 11 05.4**	**17.3N**	**99.9W**	**29**	**2.8D**		**¶97ii2013**
ISC	**II**	**15 11 16 49**±1.3	**17.1N**±.10	**100.80W**±.086	**38**±13	**3.6b**	**27**	**1-57**
EIDC	II	15 11 16 47.8	17.1N	101.8W	0	3.7b,3.1L		**¶97ii2222**
NEIC	II	15 11 16 48.1	17.13N	100.84W	33	3.9b		
MEX	II	15 11 16 49.5	17.1N	100.8W	1	4.4D		
NEIC		Less reliable solution.						
ISC	**II**	**15 20 38 26**±2.8	**17.2N**±.14	**99.8W**±.26	**9**±49		**8**	**0-3**
MEX	II	15 20 38 28.3	17.1N	99.8W	36	3.5D		**¶97ii2290**
MEX	**II**	**15 23 34 07.6**	**17.1N**	**100.4W**	**19**	**2.7D**		**¶97ii2310**
ISC	**II**	**16 21 48 04.8**±.97	**17.48N**±.074	**100.80W**±.082	**49**		**18**	**1-4**
MEX	II	16 21 48 06.3	17.4N	100.8W	49	3.9D		**¶97ii2429**
MEX	**II**	**19 00 03 06.7**	**17.3N**	**100.8W**	**42**	**3.2D**		**¶97ii2709**
MEX	**II**	**19 08 59 47.2**	**17.1N**	**100.2W**	**34**	**3.1D**		**¶97ii2755**
ISC	**II**	**21 01 52 45**±1.3	**17.2N**±.12	**99.8W**±.11	**4**		**4**	**0-2**
MEX	II	21 01 52 47.8	17.1N	99.9W	4	3.4D		**¶97ii3001**
ISC		Poorly determined						
MEX	**II**	**27 13 53 47.2**	**17.4N**	**101.0W**	**42**	**3.3D**		**¶97ii3965**
ISC	**III**	**03 07 00 01**±1.3	**17.2N**±.14	**100.4W**±.14	**32**		**4**	**0-1**
MEX	III	03 07 00 01.8	17.2N	100.3W	32	3.0D		**¶97iii0502**
ISC		Poorly determined						
ISC	**III**	**04 07 40 45**±1.5	**17.07N**±.096	**101.00W**±.073	**16**±9.0	4.1b	**36**	**0-46**
NEIC	III	04 07 40 38.5	16.65N	100.47W	10	3.8b		**¶97iii0803**
MEX	III	04 07 40 44.3	16.9N	101.2W	25	4.5D		
NEIC		Poor solution.						
ISC	**III**	**04 10 06 22**±9.0	**17.1N**±.18	**99.7W**±.63	**17**±31		**5**	**0-1**
MEX	III	04 10 06 21.4	17.2N	99.5W	5	3.1D		**¶97iii0827**
ISC		Poorly determined						
ISC	**III**	**05 01 29 57**±1.9	**17.86N**±.063	**100.8W**±.13	**62**±31		**22**	**1-5**
MEX	III	05 01 29 58.6	17.8N	100.8W	59	4.1D		**¶97iii0957**
ISC	**III**	**06 05 24 53**±2.6	**17.04N**±.099	**99.9W**±.19	**5**		**5**	**0-1**
MEX	III	06 05 24 53.6	17.1N	99.9W	5	2.3D		**¶97iii1203**
ISC	**III**	**06 09 58 47.8**±.66	**17.11N**±.070	**100.14W**±.062	**30**±8.3	3.4b	**24**	**0-46**
MEX	III	06 09 58 49.9	17.2N	100.2W	27	3.9D		**¶97iii1243**
ISC	**III**	**07 01 16 39**±1.1	**17.17N**±.079	**100.11W**±.080	**38**±21		**15**	**0-3**
MEX	III	07 01 16 41.5	17.2N	100.1W	25	3.8D		**¶97iii1392**
ISC	**III**	**09 02 19 04**±3.3	**17.1N**±.25	**100.1W**±.10	**57**±42		**11**	**0-3**
MEX	III	09 02 19 06.9	17.1N	100.0W	43	3.6D		**¶97iii1889**
ISC	**III**	**09 20 09 32**±4.1	**17.0N**±.23	**100.1W**±.21	**39**±48		**5**	**0-1**
MEX	III	09 20 09 32.7	17.1N	100.1W	43	2.8D		**¶97iii2077**
ISC		Poorly determined						
ISC	**III**	**10 07 03 04.4**±.80	**17.4N**±.10	**100.90W**±.082	**25**±12		**23**	**0-4**
MEX	III	10 07 03 05.7	17.2N	101.0W	26	4.3D		**¶97iii2161**
ISC	**III**	**10 15 31 11**±1.4	**17.3N**±.14	**100.9W**±.12	**24**±14		**8**	**0-3**
MEX	III	10 15 31 12.7	17.3N	100.9W	26	3.6D		**¶97iii2238**
ISC	**III**	**13 21 43 54**±1.2	**17.1N**±.14	**100.36W**±.083	**14**±11		**6**	**0-2**
MEX	III	13 21 43 55.5	17.1N	100.3W	6	3.1D		**¶97iii2774**
ISC	**III**	**15 18 52 20**±3.9	**17.1N**±.16	**99.9W**±.30	**28**±21		**5**	**0-1**
MEX	III	15 18 52 19.9	17.2N	99.8W	38	2.9D		**¶97iii3089**
ISC		Poorly determined						
ISC	**III**	**22 03 49 13.9**±.51	**17.05N**±.043	**99.65W**±.035	**44**±3.9	**4.7b,4.1s**	**132**	**0-146**
MEX	III	22 03 49 16.0	17.0N	99.8W	30	4.6D		**¶97iii4189**
NEIC	III	22 03 49 18.6	17.30N	99.53W	76	4.7b		
MOS	III	22 03 49 18.8	17.3N	99.5W	73	5.0b		
EIDC	III	22 03 49 19.5	17.2N	99.4W	76	4.2b,4.1s		
NEIC		Felt at Acapulco.						
ISC	**III**	**23 20 23 15.1**±.45	**17.44N**±.041	**100.76W**±.037	**54**±3.5	**4.8b**	**167**	**0-150**
EIDC	III	23 20 23 14.7	17.5N	100.6W	39	4.3b,3.8L		**¶97iii4482**
MOS	III	23 20 23 16.0	17.5N	100.6W	55	5.1b		
NEIC	III	23 20 23 16.3	17.55N	100.65W	63	4.9b		
MEX	III	23 20 23 16.6	17.4N	100.9W	31	4.7D		
BJI	III	23 20 23 20.1	18.25N	101.06W	80			
ISC	**III**	**29 00 33 58**±2.4	**17.2N**±.20	**100.9W**±.23	**32**±14		**7**	**0-2**
NEIC	III	29 00 33 57.9	17.19N	100.94W	33			**¶97iii5510**
MEX	III	29 00 34 00.1	17.4N	100.9W	24	3.2D		
NEIC		Single network solution.						
ISC	**III**	**30 02 14 09**±1.4	**17.2N**±.14	**99.4W**±.15	**63**		**4**	**1-3**
MEX	III	30 02 14 09.9	17.1N	99.3W	63	3.6D		**¶97iii5679**
ISC		Poorly determined						
ISC	**III**	**31 15 33 00**±1.9	**17.22N**±.088	**100.2W**±.14	**0**		**4**	**0-1**
ISC		Poorly determined						**¶97iii5899**
ISC	**IV**	**02 06 42 35**±2.3	**17.3N**±.16	**100.76W**±.099	**54**±26		**15**	**0-4**
MEX	IV	02 06 42 37.2	17.4N	100.7W	36	3.9D		**¶97iv0198**
ISC	**IV**	**02 07 32 21.2**±.82	**17.11N**±.083	**100.18W**±.068	**8**±10		**11**	**0-3**
MEX	IV	02 07 32 21.9	16.9N	100.2W	6	3.6D		**¶97iv0205**
ISC	**IV**	**02 20 29 20**±2.5	**17.1N**±.13	**99.9W**±.21	**20**		**4**	**0-0**
MEX	IV	02 20 29 21.4	17.1N	99.9W	20	2.9D		**¶97iv0311**
ISC		Poorly determined						
ISC	**IV**	**03 07 50 43**±1.9	**17.1N**±.18	**100.6W**±.11	**28**±17		**6**	**0-2**
MEX	IV	03 07 50 45.0	17.1N	100.5W	18	3.1D		**¶97iv0394**
ISC	**IV**	**12 20 32 02**±2.6	**18.38N**±.088	**101.7W**±.26	**16**		**8**	**1-3**
MEX	IV	12 20 32 06.7	18.4N	101.5W	16	3.9D		**¶97iv2125**
ISC	**IV**	**16 03 46 23**±1.0	**17.92N**±.074	**100.8W**±.12	**52**		**9**	**1-2**
NEIC	IV	16 03 46 23.0	17.94N	100.73W	33			**¶97iv2682**
MEX	IV	16 03 46 24.0	18.0N	100.7W	52	3.6D		
NEIC		Single network solution.						
ISC	**IV**	**19 05 00 29**±1.2	**18.19N**±.066	**100.2W**±.15	**31**		**14**	**1-2**
NEIC	IV	19 05 00 29.1	18.21N	100.19W	33			**¶97iv3157**
MEX	IV	19 05 00 30.9	18.2N	100.2W	31	3.8D		
NEIC		Less reliable solution.						
ISC	**IV**	**20 20 11 10.7**±.67	**18.99N**±.043	**99.19W**±.060	**3**±14		**14**	**0-1**
NEIC	IV	20 20 11 10.1	19.03N	99.13W	33			**¶97iv3356**
MEX	IV	20 20 11 11.3	19.0N	99.2W	5	3.6D		
NEIC		Single network solution.						
ISC	**IV**	**20 23 08 08**±1.2	**17.2N**±.10	**100.34W**±.066	**38**±20		**19**	**0-3**
MEX	IV	20 23 08 10.1	17.2N	100.3W	27	3.8D		**¶97iv3372**
ISC	**IV**	**22 00 14 15.3**±.59	**17.34N**±.054	**100.14W**±.069	**30**		**19**	**0-3**
NEIC	IV	22 00 14 15.0	17.37N	100.16W	33			**¶97iv3603**
MEX	IV	22 00 14 17.2	17.3N	100.1W	30	3.8D		
NEIC		Single network solution.						
ISC	**IV**	**22 13 18 16.5**±.85	**17.17N**±.074	**100.67W**±.052	**21**		**23**	**0-4**
NEIC	IV	22 13 18 15.1	17.04N	100.70W	33			**¶97iv3740**
MEX	IV	22 13 18 17.8	17.1N	100.7W	21	4.0D		
NEIC		Single network solution.						
ISC	**IV**	**28 12 55 58.1**±.54	**18.08N**±.048	**99.82W**±.060	**48**		**21**	**0-4**
NEIC	IV	28 12 55 58.4	18.10N	99.81W	33			**¶97iv4921**
MEX	IV	28 12 56 00.0	18.1N	99.8W	48	4.0D		
NEIC		Single network solution.						
MEX	**IV**	**29 01 28 07.5**	**17.2N**	**100.3W**	**39**	**2.7D**		**¶97iv5000**
ISC	**V**	**01 20 37 05**±1.8	**17.3N**±.13	**100.2W**±.11	**49**±47		**8**	**0-3**
MEX	V	01 20 37 07.6	17.4N	100.1W	39	4.0D		**¶97v0150**
MEX	**V**	**02 08 29 18.2**	**17.2N**	**100.4W**	**26**	**3.0D**		**¶97v0231**
MEX	**V**	**02 19 16 58.5**	**17.2N**	**100.3W**	**37**	**2.7D**		**¶97v0318**
ISC	**V**	**02 22 43 33**±1.8	**17.3N**±.20	**100.9W**±.12	**29**		**4**	**1-3**
MEX	V	02 22 43 35.0	17.3N	100.8W	29	3.4D		**¶97v0338**
ISC		Poorly determined						
MEX	**V**	**04 13 19 55.5**	**17.0N**	**100.1W**	**35**	**3.0D**		**¶97v0645**
ISC	**V**	**05 19 23 29.8**±.56	**18.71N**±.060	**101.59W**±.063	**83**±7.2	**4.2b**	**45**	**1-92**
NEIC	V	05 19 23 30.2	18.86N	101.34W	86	4.1b		**¶97v0838**
EIDC	V	05 19 23 31.9	19.1N	100.9W	85	3.9b		
MEX	V	05 19 23 32.6	18.7N	101.6W	43	4.4D		
NEIC		Poor solution.						
ISC	**V**	**08 15 58 30.0**±.76	**17.46N**±.054	**100.25W**±.048	**63**±6.0	**4.8b**	**149**	**0-149**
NEIC	V	08 15 58 27.0	17.45N	100.13W	38	5.0b,4.3s		**¶97v1272**
MOS	V	08 15 58 27.8	17.6N	100.0W	33	5.2b,4.1s		
EIDC	V	08 15 58 27.9	17.4N	100.2W	31	4.3b,3.9s		
MEX	V	08 15 58 29.8	17.3N	100.4W	12	4.8D		
NEIC		Felt at Mexico City.						
ISC	**V**	**08 16 10 38**±1.7	**17.4N**±.17	**100.5W**±.11	**25**±27		**6**	**0-2**
MEX	V	08 16 10 40.9	17.3N	100.4W	22	3.4D		**¶97v1274**
MEX	**V**	**08 16 12 34.8**	**17.4N**	**100.5W**	**12**	**2.9D**		**¶97v1276**
MEX	**V**	**08 18 01 40.0**	**17.4N**	**100.4W**	**33**	**2.7D**		**¶97v1287**
ISC	**V**	**08 20 08 42**±1.2	**17.3N**±.10	**100.5W**±.11	**28**		**5**	**0-1**
MEX	V	08 20 08 44.2	17.3N	100.4W	28	3.4D		**¶97v1303**
MEX	**V**	**08 23 46 08.0**	**17.3N**	**100.6W**	**34**	**3.0D**		**¶97v1328**
MEX	**V**	**09 03 21 59.7**	**17.4N**	**100.5W**	**11**	**3.8D**		**¶97v1351**
ISC	**V**	**09 03 49 03.7**±.52	**18.07N**±.061	**100.62W**±.056	**72**±7.1	**3.8b**	**32**	**1-85**
MEX	V	09 03 49 04.8	18.1N	100.6W	4	4.4D		**¶97v1355**
NEIC	V	09 03 49 06.8	18.21N	100.40W	100	3.6b		
EIDC	V	09 03 49 08.2	18.3N	100.4W	95	3.6b,3.0s		
NEIC		Less reliable solution.						
MEX	**V**	**09 05 40 26.2**	**17.4N**	**100.4W**	**35**	**3.1D**		**¶97v1366**
MEX	**V**	**09 07 59 04.0**	**18.0N**	**99.9W**	**17**	**3.9D**		**¶97v1384**
ISC	**V**	**09 08 59 02**±1.6	**18.09N**±.081	**100.0W**±.19	**52**		**8**	**1-3**
MEX	V	09 08 59 03.5	18.1N	99.9W	52	3.7D		**¶97v1393**
ISC	**V**	**10 12 46 18**±7.8	**18.1N**±.33	**100.7W**±.70	**55**		**5**	**1-2**
MEX	V	10 12 46 22.3	18.0N	100.5W	55	3.5D		**¶97v1602**
ISC	**V**	**10 18 33 07**±1.0	**17.34N**±.077	**100.49W**±.087	**22**		**8**	**0-2**
MEX	V	10 18 33 09.2	17.3N	100.4W	22	3.4D		**¶97v1641**
MEX	**V**	**11 03 01 41.7**	**17.3N**	**100.4W**	**31**	**2.8D**		**¶97v1713**
ISC	**V**	**11 08 20 53**±1.2	**17.5N**±.14	**100.9W**±.11	**51**		**5**	**1-2**
MEX	V	11 08 20 54.8	17.5N	100.9W	51	3.2D		**¶97v1756**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
MEX	**V**	**11 10 50 44.8**	**17.1N**	**99.6W**	**49**	**3.5D**		**¶97v1771**
MEX	**V**	**13 09 48 01.2**	**17.3N**	**100.4W**	**31**	**3.4D**		**¶97v2218**
ISC	**V**	**14 18 56 04**±1.2	**17.41N**±.084	**100.6W**±.10	**15**		**10**	**0-4**
MEX	V	14 18 56 08.9	17.3N	100.4W	15	4.1D		**¶97v2500**
ISC	**V**	**15 23 55 40**±1.3	**17.3N**±.12	**100.0W**±.23	**29**		**4**	**0-2**
MEX	V	15 23 55 41.7	17.3N	100.1W	29	3.0D		**¶97v2698**
ISC		Poorly determined						
ISC	**V**	**19 11 23 51.6**±.57	**17.26N**±.059	**100.47W**±.051	**40**	**4.1b,**4.1s	**57**	**0-129**
NEIC	V	19 11 23 49.1	17.04N	100.67W	33	4.2b		**¶97v3247**
EIDC	V	19 11 23 50.6	16.9N	101.6W	27	3.9b,3.8s		
MEX	V	19 11 23 53.8	17.2N	100.5W	40	4.2D		
NEIC		Less reliable solution.						
ISC	**V**	**21 11 13 01.4**±.67	**18.57N**±.065	**101.87W**±.072	**88**±6.0	**4.3b**	**46**	**1-151**
NEIC	V	21 11 13 03.4	18.77N	101.68W	100	4.3b		**¶97v3555**
MEX	V	21 11 13 03.8	18.5N	101.9W	16	4.6D		
EIDC	V	21 11 13 07.6	18.9N	101.6W	122	4.1b,3.5s		
NEIC		Less reliable solution.						
ISC	**V**	**22 07 50 55.3**±.43	**18.67N**±.031	**101.66W**±.028	**85**±3.3	**5.8b**	**569**	**1-151**
NEIC	V	22 07 50 53.5	18.68N	101.60W	70	5.9b,6.0s		**¶97v3733**
MOS	V	22 07 50 53.7	18.7N	101.6W	70	6.3b,6.2s		
BJI	V	22 07 50 54.6	18.49N	101.36W	78	5.9b,6.6s		
MEX	V	22 07 50 55.8	18.4N	101.8W	59	4.9D		
EIDC	V	22 07 50 59.4	18.8N	101.5W	111	5.4b,5.8s		
HRVD	V	22 07 50 59.7±.1	18.76N	101.73W	56±.3			
NEIC		Mw6.5(GS), Me6.0(GS)						
NEIC		Radiated energy from the P−wave first−motion solution: 2.2±0.3×10^{13}Nm/13						
NEIC		Mw 6.5 (HRV). Many houses damaged at Arteaga and a church damaged at Patzcuaro, Michoacan. Felt strongly at Lazaro Cardenas, Michoacan. Also felt at Mexico City. Mo=4.9×10^{18}Nm (PPT).						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_S279°,δ76°,λ−98°. NP2:ϕ_S129°,δ16°,λ−61°. Principal axes: T Plg31°,Azm16°; P Plg58°,Azm178°. Depth from synthetics of broadband displacement seismograms.						
NEIC		Moment tensor solution: s24, scale 10^{18}Nm; M_{rr}−4.24; $M_{\theta\theta}$4.64; $M_{\phi\phi}$−0.40; $M_{r\theta}$5.10; $M_{r\phi}$−0.57; $M_{\theta\phi}$−0.44. Depth 67km; Principal axes: T 7.02,Plg24°,Azm5°; N −0.44,Plg1°, Azm96°; P −6.58,Plg65°,Azm188°. Best double couple: $M_0$6.8×10^{18}Nm; NP1:ϕ_S94°,δ21°, λ−92°. NP2:ϕ_S276°,δ69°,λ−89°.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c135; Mantle waves: s49,c99; Half duration: 4s4. Moment tensor: Scale 10^{18}Nm; M_{rr}−5.29±.04; $M_{\theta\theta}$5.39±.03; $M_{\phi\phi}$−0.10±.03; $M_{r\theta}$3.69±.05; $M_{r\phi}$0.38±.05; $M_{\theta\phi}$−0.53±.03. Principal Axes: T 6.57,Plg17°,Azm4°; N −0.08,Plg6°,Azm272°; P −6.49,Plg72°,Azm165°. Best double couple: $M_0$6.5×10^{18}Nm, NP1:ϕ_S102°,δ28°,λ−78°. NP2:ϕ_S269°,δ62°,λ−96°.						
ISC	**V**	**22 08 24 35.9**±.70	**18.42N**±.069	**101.81W**±.074	**76**±7.6	**3.9b**	**30**	**1-127**
NEIC	V	22 08 24 38.7	18.55N	101.70W	100			**¶97v3740**
MEX	V	22 08 24 39.2	18.5N	101.7W	45	4.3D		
EIDC	V	22 08 24 42.2	18.7N	101.6W	112	3.7b		
NEIC		Poor solution.						
ISC	**V**	**23 05 28 59.2**±.77	**18.04N**±.083	**100.01W**±.097	**56**		**8**	**1-2**
MEX	V	23 05 29 00.9	18.1N	100.0W	56	3.8D		**¶97v3896**
MEX	**V**	**23 17 21 51.3**	**17.2N**	**100.9W**	**9**	**3.2D**		**¶97v3974**
MEX	**V**	**23 17 23 02.6**	**17.2N**	**101.0W**	**18**	**3.3D**		**¶97v3975**
MEX	**V**	**24 11 05 28.1**	**17.1N**	**100.5W**	**7**	**3.0D**		**¶97v4099**
MEX	**V**	**24 11 06 08.2**	**17.1N**	**100.5W**	**9**	**3.0D**		**¶97v4100**
MEX	**V**	**26 06 13 25.2**	**18.0N**	**100.4W**	**52**	**3.7D**		**¶97v4375**
MEX	**V**	**28 17 27 23.9**	**17.4N**	**100.7W**	**24**	**3.3D**		**¶97v4750**
MEX	**V**	**28 22 36 24.5**	**17.0N**	**100.3W**	**17**	**2.9D**		**¶97v4781**
ISC	**V**	**29 03 18 41**±1.1	**18.4N**±.10	**101.83W**±.093	**71**±9.3	**3.6b**	**23**	**1-85**
NEIC	V	29 03 18 33.7	17.93N	101.91W	33	3.8b		**¶97v4811**
MEX	V	29 03 18 43.7	18.4N	101.8W	27	4.4D		
EIDC	V	29 03 18 56.6	19.3N	101.5W	158	3.3b,3.7L		
NEIC		Poor solution.						
MEX	**V**	**31 05 12 30.6**	**17.2N**	**100.5W**	**19**	**3.1D**		**¶97v5152**
ISC	**VI**	**08 22 05 02**±1.1	**17.2N**±.12	**100.2W**±.10	**48**		**5**	**0-2**
MEX	VI	08 22 05 04.3	17.1N	100.3W	48	3.9D		**¶97vi1294**
ISC	**VI**	**09 02 31 17**±1.2	**18.7N**±.12	**101.5W**±.11	**17**		**6**	**1-3**
MEX	VI	09 02 31 19.0	18.6N	101.4W	17	3.8D		**¶97vi1319**
ISC	**VI**	**15 14 45 03**±1.1	**17.1N**±.13	**100.37W**±.090	**59**±10	**3.4b**	**13**	**0-57**
EIDC	VI	15 14 44 41.4	15.0N	99.8W	0	3.5b,3.4L		**¶97vi2314**
MEX	VI	15 14 45 06.0	17.3N	100.4W	36	4.0D		
MEX	**VI**	**18 08 58 29.2**	**17.3N**	**99.8W**	**13**	**3.4D**		**¶97vi2761**
MEX	**VI**	**25 23 37 03.0**	**17.9N**	**100.2W**	**46**	**3.2D**		**¶97vi4045**

(60) Oaxaca, Mexico.

ISC	**I**	**01 19 32 51.0**±.60	**16.62N**±.083	**94.50W**±.064	**117**±6.5	**4.1b**	**59**	**2-143**
NEIC	I	01 19 32 49.5	16.65N	94.35W	100	4.2b		**¶97i0106**
EIDC	I	01 19 32 51.2	16.6N	94.5W	101	3.6b		
MEX	I	01 19 32 54.3	16.6N	94.6W	40	4.7D		
NEIC		Less reliable solution.						
MEX	**I**	**03 13 21 51.5**	**17.2N**	**95.1W**	**85**	**3.9D**		**¶97i0380**
ISC	**I**	**06 14 10 04**±1.7	**17.4N**±.18	**95.4W**±.11	**101**±35		**7**	**1-4**
MEX	I	06 14 10 04.1	17.3N	95.4W	127	4.3D		**¶97i0794**
MEX	**I**	**06 16 37 06.0**	**16.0N**	**97.0W**	**16**	**4.0D**		**¶97i0809**
ISC	**I**	**08 22 51 22**±2.5	**16.29N**±.073	**95.30W**±.076	**25**±18	**4.6b,4.5s**	**101**	**1-149**
EIDC	I	08 22 51 17.6	16.0N	95.1W	0	4.2b,3.9L		**¶97i1129**
NEIC	I	08 22 51 22.5	16.22N	95.36W	33	4.9b,4.5s		
MEX	I	08 22 51 25.6	15.9N	95.9W	58	4.9D		
MEX	**I**	**09 20 06 44.4**	**16.3N**	**97.9W**	**5**	**3.7D**		**¶97i1272**
ISC	**I**	**11 03 27 18**±1.3	**16.2N**±.13	**96.9W**±.11	**61**±8.7	**3.3b**	**32**	**1-59**
EIDC	I	11 03 27 06.7	15.6N	96.7W	0	3.3b,3.3L		**¶97i1456**
NEIC	I	11 03 27 10.6	15.63N	96.81W	33	3.8b		
MEX	I	11 03 27 16.2	16.0N	97.2W	3	4.4D		
NEIC		Poor solution.						
ISC	**I**	**15 06 11 59**±1.2	**16.6N**±.20	**94.5W**±.16	**33**		**5**	**2-5**
MEX	I	15 06 12 02.2	16.7N	94.5W	33	4.1D		**¶97i2111**
ISC	**I**	**15 23 47 42.7**±.90	**16.1N**±.12	**94.89W**±.066	**64**±44		**14**	**1-6**
MEX	I	15 23 47 44.2	16.1N	94.8W	69	4.3D		**¶97i2224**
ISC	**I**	**28 08 21 13.0**±.75	**17.69N**±.069	**97.35W**±.087	**100**±11	3.0b	**24**	**1-46**
EIDC	I	28 08 21 08.8	17.2N	96.0W	109	2.9b		**¶97i4185**
NEIC	I	28 08 21 12.4	17.67N	97.38W	109			
MEX	I	28 08 21 16.3	17.7N	97.4W	65	4.2D		
NEIC		Less reliable solution.						
ISC	**I**	**31 03 17 29.7**±.74	**16.83N**±.075	**96.55W**±.083	**76**±7.9	**3.5b**	**27**	**0-62**
NEIC	I	31 03 17 29.4	16.82N	96.50W	76			**¶97i4582**
EIDC	I	31 03 17 30.9	17.5N	94.9W	71	3.4b		
MEX	I	31 03 17 33.4	16.8N	96.7W	57	4.4D		
NEIC		Less reliable solution.						
ISC	**II**	**04 06 05 10**±1.8	**17.2N**±.22	**96.4W**±.13	**103**		**6**	**0-3**
MEX	II	04 06 05 11.9	17.2N	96.4W	103	4.0D		**¶97ii0472**
ISC	**II**	**04 06 20 05**±2.5	**16.1N**±.11	**97.88W**±.062	**1**±16		**27**	**0-7**
MEX	II	04 06 20 06.9	16.3N	97.8W	15	4.3D		**¶97ii0476**
ISC	**II**	**06 00 55 55**±1.1	**16.1N**±.12	**96.94W**±.087	**12**		**9**	**1-4**
MEX	II	06 00 55 54.3	16.2N	96.9W	12	4.0D		**¶97ii0775**
ISC	**II**	**06 13 16 18**±1.2	**16.6N**±.16	**94.30W**±.097	**121**	3.0b	**10**	**2-48**
MEX	II	06 13 16 20.1	16.8N	94.3W	121	4.3D		**¶97ii0845**
EIDC	**II**	**12 11 09 08.5**	**16.8N**	**94.1W**	**389**	**2.8b**		**15-60**
								¶97ii1747
ISC	**II**	**12 16 03 54**±6.6	**16.7N**±.19	**94.3W**±.53	**34**		**7**	**2-5**
MEX	II	12 16 03 51.9	16.7N	93.9W	34	4.0D		**¶97ii1788**
ISC	**II**	**17 01 31 16**±1.5	**16.8N**±.10	**94.96W**±.092	**108**±29		**18**	**1-5**
MEX	II	17 01 31 17.5	16.9N	95.0W	116	4.0D		**¶97ii2444**
ISC	**II**	**18 10 46 43**±2.1	**16.4N**±.24	**97.9W**±.11	**26**±18		**8**	**0-3**
MEX	II	18 10 46 44.8	16.3N	97.9W	9	3.8D		**¶97ii2631**
ISC	**II**	**19 12 14 05**±8.4	**16.4N**±.26	**94.1W**±.64	**75**		**11**	**2-6**
MEX	II	19 12 14 12.5	16.6N	94.5W	75	4.1D		**¶97ii2789**
ISC	**III**	**01 19 05 04.1**±.61	**16.20N**±.072	**94.91W**±.057	**106**±6.9	**4.1b**	**63**	**1-134**
NEIC	III	01 19 05 01.4	16.26N	94.74W	76	4.4b		**¶97iii0169**
EIDC	III	01 19 05 04.0	16.4N	94.7W	77	3.7b		
MEX	III	01 19 05 05.6	16.4N	94.8W	73	4.6D		
NEIC		Less reliable solution.						
ISC	**IV**	**09 05 34 02**±4.9	**17.4N**±.35	**95.2W**±.40	**136**		**5**	**1-4**
MEX	IV	09 05 34 03.9	17.4N	95.1W	136	3.7D		**¶97iv1462**
ISC		Poorly determined						
ISC	**IV**	**13 00 40 14**±1.2	**16.0N**±.18	**94.5W**±.10	**58**±21	3.3b	**10**	**2-49**
MEX	IV	13 00 40 16.4	16.0N	94.6W	18	4.2D		**¶97iv2161**
ISC	**IV**	**15 01 12 03.9**±.67	**17.42N**±.085	**95.72W**±.055	**113**±7.4	**3.7b**	**39**	**1-84**
MEX	IV	15 01 12 06.1	17.6N	95.7W	110	4.5D		**¶97iv2539**
NEIC	IV	15 01 12 34.0	19.63N	95.76W	250	3.8b		
EIDC	IV	15 01 12 39.2	19.9N	95.8W	279	3.3b		
NEIC		Poor solution.						
ISC	**IV**	**17 17 04 05**±2.3	**16.3N**±.31	**94.2W**±.10	**37**	3.5b	**6**	**2-48**
MEX	IV	17 17 04 07.9	16.5N	94.3W	37	3.7D		**¶97iv2938**
ISC	**IV**	**25 18 31 37.5**±.94	**17.35N**±.085	**97.45W**±.092	**51**		**10**	**1-2**
MEX	IV	25 18 31 39.3	17.4N	97.4W	51	3.9D		**¶97iv4394**
ISC	**IV**	**25 19 10 45**±2.1	**17.9N**±.21	**95.5W**±.20	**120**		**6**	**1-4**
MEX	IV	25 19 10 47.4	17.9N	95.5W	120	3.9D		**¶97iv4400**
ISC	**V**	**01 12 29 54**±2.2	**17.0N**±.16	**95.3W**±.14	**16**	**3.5b**	**23**	**1-59**
EIDC	V	01 12 29 33.3	14.1N	96.4W	0	3.7b,4.4L		**¶97v0099**
MEX	V	01 12 29 55.8	16.9N	95.2W	16	4.4D		
ISC	**V**	**03 04 16 36**±2.3	**16.9N**±.15	**94.3W**±.13	**110**±50		**9**	**2-5**
MEX	V	03 04 16 36.9	16.9N	94.2W	137	4.2D		**¶97v0373**
ISC	**V**	**03 06 46 29**±1.2	**16.5N**±.13	**94.40W**±.090	**91**		**10**	**2-5**
MEX	V	03 06 46 31.1	16.6N	94.5W	91	4.3D		**¶97v0390**
ISC	**V**	**12 09 18 41**±1.5	**16.1N**±.16	**97.54W**±.082	**8**		**7**	**1-3**
MEX	V	12 09 18 43.7	16.2N	97.6W	8	3.8D		**¶97v1928**
ISC	**V**	**30 00 44 25**±2.4	**17.4N**±.13	**95.0W**±.24	**123**		**7**	**1-4**
MEX	V	30 00 44 26.9	17.5N	95.0W	123	3.8D		**¶97v4949**
ISC	**V**	**30 22 18 05**±1.4	**16.12N**±.072	**97.96W**±.065	**25**±8.6	**4.6b,4.0s**	**114**	**0-150**
MEX	V	30 22 18 04.9	16.1N	98.2W	10	4.7D		**¶97v5108**
NEIC	V	30 22 18 06.9	16.27N	97.85W	33	4.8b,4.0s		
EIDC	V	30 22 18 09.2	16.4N	97.8W	39	4.0b,4.1s		
ISC	**VI**	**05 13 05 54**±1.5	**16.4N**±.17	**98.0W**±.11	**16**		**5**	**1-3**
MEX	VI	05 13 05 57.9	16.4N	98.0W	16	3.8D		**¶97vi0773**
ISC	**VI**	**10 04 46 27**±8.2	**16.5N**±.36	**95.9W**±.53	**13**		**9**	**1-4**
MEX	VI	10 04 46 30.0	16.3N	96.1W	13	4.3D		**¶97vi1479**
ISC	**VI**	**17 11 28 30.8**±.66	**17.95N**±.066	**97.76W**±.076	**28**		**11**	**1-3**
MEX	VI	17 11 28 33.2	17.9N	97.8W	28	4.0D		**¶97vi2608**
MEX	**VI**	**23 13 39 08.2**	**16.8N**	**95.2W**	**112**	**4.0D**		**¶97vi3535**
ISC	**VI**	**28 03 26 01**±2.3	**17.0N**±.26	**94.9W**±.14	**98**±59		**5**	**2-5**
MEX	VI	28 03 26 03.4	17.1N	94.8W	95	4.0D		**¶97vi4407**
ISC		Poorly determined						
ISC	**VI**	**29 12 33 26.6**±.67	**16.74N**±.084	**95.04W**±.067	**106**±10	**3.5b**	**29**	**1-134**
EIDC	VI	29 12 33 15.4	15.9N	94.1W	0	3.4b,3.7L		**¶97vi4627**
NEIC	VI	29 12 33 23.1	16.68N	93.92W	33	4.0b		
MEX	VI	29 12 33 29.7	16.8N	95.1W	76	4.5D		
NEIC		Poor solution.						
ISC	**VI**	**30 23 45 57.0**±.90	**17.0N**±.15	**95.44W**±.086	**95**		**7**	**1-4**
MEX	VI	30 23 45 57.9	16.9N	95.6W	95	4.2D		**¶97vi4847**

(61) Chiapas, Mexico.

ISC	**I**	**01 12 17 24.7**±.72	**16.5N**±.13	**93.5W**±.10	**148**±8.9	**3.9b**	**16**	**1-84**
MEX	I	01 12 17 27.8	16.2N	93.8W	93	4.4D		**¶97i0072**
EIDC	I	01 12 17 48.4	17.0N	92.1W	366	3.4b		
ISC	**I**	**03 22 06 33**±2.7	**17.2N**±.18	**93.5W**±.20	**107**±48		**9**	**1-6**
MEX	I	03 22 06 29.8	17.7N	93.2W	141	4.6D		**¶97i0435**
ISC	**I**	**15 10 32 45.5**±.80	**17.4N**±.17	**94.5W**±.11	**159**±12	3.3b	**11**	**1-59**
EIDC	I	15 10 32 43.3	17.0N	94.5W	154	3.0b		**¶97i2136**
MEX	I	15 10 32 47.2	17.4N	94.6W	151	4.3D		
ISC	**II**	**12 01 55 29**±2.0	**17.4N**±.16	**94.5W**±.20	**126**±19	**3.7b**	**18**	**1-84**
NEIC	II	12 01 55 17.1	18.06N	93.64W	33	3.3b		**¶97ii1704**
MEX	II	12 01 55 29.2	17.1N	94.4W	100	4.2D		
EIDC	II	12 01 55 34.2	18.1N	93.9W	174	3.3b,3.1L		
NEIC		Poor solution.						
ISC	**II**	**17 15 01 31**±6.2	**16.8N**±.19	**93.8W**±.53	**180**		**11**	**2-6**
MEX	II	17 15 01 36.7	16.9N	94.1W	180	4.1D		**¶97ii2507**
ISC	**II**	**19 12 36 01**±2.7	**17.0N**±.15	**94.1W**±.26	**169**±17	2.9b	**15**	**2-48**
NEIC	II	19 12 35 57.4	16.87N	93.74W	150	3.0b		**¶97ii2791**
MEX	II	19 12 36 04.5	17.2N	94.1W	149	4.2D		
EIDC	II	19 12 37 33.6	23.3N	98.3W	0	2.8b,3.6L		
NEIC		Poor solution.						
ISC	**II**	**20 07 30 31**±1.2	**16.2N**±.19	**93.6W**±.12	**151**±16	3.2b	**9**	**1-49**
MEX	II	20 07 30 35.0	16.1N	93.8W	90	4.0D		**¶97ii2894**
ISC	**III**	**28 13 01 50**±9.6	**17.1N**±.55	**94.8W**±.68	**104**		**4**	**1-5**
MEX	III	28 13 01 52.9	17.2N	94.8W	104	3.6D		**¶97iii5441**
ISC		Poorly determined						
ISC	**III**	**31 13 33 31**±10	**17.1N**±.48	**93.9W**±.77	**162**		**6**	**2-6**
MEX	III	31 13 33 36.3	17.4N	94.2W	162	4.2D		**¶97iii5892**
ISC	**III**	**31 17 32 20.8**±.58	**16.08N**±.064	**92.74W**±.063	**187**±5.7	**4.7b**	**70**	**1-144**
NEIC	III	31 17 32 20.1	16.13N	92.67W	179	4.8b		**¶97iii5912**
EIDC	III	31 17 32 22.6	16.4N	92.2W	188	4.4b		
MEX	III	31 17 32 26.1	15.9N	93.2W	144	4.6D		
ISC	**IV**	**02 00 19 07.0**±.60	**17.36N**±.081	**94.26W**±.083	**168**±7.2	**4.0b**	**40**	**1-135**
MEX	IV	02 00 19 07.9	17.3N	94.3W	180	4.3D		**¶97iv0163**
EIDC	IV	02 00 19 11.2	17.7N	94.1W	183	3.7b		
NEIC	IV	02 00 19 11.3	17.64N	94.10W	200	3.6b		
NEIC		Less reliable solution.						
ISC	**IV**	**02 20 58 57**±7.4	**17.4N**±.38	**94.2W**±.57	**154**		**9**	**2-5**
MEX	IV	02 20 58 58.9	17.4N	94.3W	154	4.2D		**¶97iv0316**

ISC	**IV**	**29 02 22 48.3**±.65	**17.30N**±.050	**94.74W**±.053	**117**±6.5	**4.5b**	**122**	**1-148**
NEIC	IV	29 02 22 49.8	17.32N	94.86W	133	4.7b		**¶97iv5006**
EIDC	IV	29 02 22 52.4	17.4N	94.8W	136	4.2b,3.4s		
MEX	IV	29 02 22 52.5	17.3N	95.0W	121	4.7D		
ISC	**V**	**04 13 53 22.3**±.74	**17.3N**±.11	**94.78W**±.086	**144**±9.7	**3.5b**	**16**	**1-83**
EIDC	V	04 13 53 04.0	16.8N	95.0W	0	3.7b,3.2L		**¶97v0649**
NEIC	V	04 13 53 06.1	16.65N	95.15W	33	3.7b		
NEIC	Poor solution.							
MEX	**V**	**13 21 12 15.2**	**17.3N**	**94.6W**	**135**	**4.1D**		**¶97v2330**
ISC	**VI**	**01 12 09 47.2**±.91	**16.8N**±.11	**92.95W**±.086	**201**±8.5	**4.3b**	**50**	**2-48**
NEIC	VI	01 12 09 40.6	16.50N	92.95W	150	4.5b		**¶97vi0079**
MEX	VI	01 12 09 54.1	16.6N	93.4W	120	4.6D		
NEIC	Poor solution.							
ISC	**VI**	**14 02 13 09**±7.8	**17.5N**±.16	**93.7W**±.68	**131**		**9**	**2-6**
MEX	VI	14 02 13 14.9	17.6N	94.1W	131	4.2D		**¶97vi2074**
ISC	**VI**	**27 02 22 56.8**±.70	**17.26N**±.065	**94.32W**±.067	**125**±7.6	**4.3b**	**73**	**2-89**
EIDC	VI	27 02 22 57.4	17.1N	94.3W	119	3.7b		**¶97vi4225**
NEIC	VI	27 02 22 57.8	17.30N	94.27W	133	4.5b		
MEX	VI	27 02 22 59.4	17.0N	94.6W	139	4.5D		

(62) Mexico-Guatemala border region.

ISC	**I**	**24 06 15 10**±2.2	**15.9N**±.11	**91.1W**±.18	**49**±24	**4.4b**,4.5s	**37**	**1-144**
NEIC	I	24 06 15 09.4	15.90N	91.30W	50	4.6b,4.5s		**¶97i3608**
EIDC	I	24 06 15 17.2	16.0N	91.1W	101	3.8b,4.0L		
NEIC	Less reliable solution.							
ISC	**V**	**08 10 09 15**±1.3	**15.4N**±.16	**92.4W**±.14	**153**±12	**3.4b**	**14**	**1-61**
NEIC	V	08 10 09 11.3	16.21N	91.27W	100			**¶97v1221**
EIDC	V	08 10 09 16.2	16.2N	91.3W	126	3.2b,3.6L		
MEX	V	08 10 09 19.6	15.2N	92.9W	71	4.4D		
NEIC	Poor solution.							
EIDC	**VI**	**16 11 39 12.6**	**15.0N**	**91.2W**	**0**	3.6b		**18-145**
								¶97vi2450

(63) Off coast of Mexico.

EIDC	**I**	**15 10 53 41.4**	**7.8N**	**103.8W**	**0**	**3.2b**		**21-64**
								¶97i2141
ISC	**I**	**15 14 11 45**±2.8	**8.4N**±.40	**104.5W**±.68	**10**	**3.8b**	**6**	**21-145**
EIDC	I	15 14 11 44.3	8.2N	104.9W	0	3.5b		**¶97i2164**
EIDC	**I**	**15 14 16 17.0**	**7.5N**	**102.5W**	**0**	**3.2b**		**22-65**
								¶97i2166
EIDC	**I**	**15 14 18 24.4**	**7.2N**	**102.8W**	**0**	**3.5b**		**22-147**
								¶97i2167
EIDC	**III**	**12 03 40 39.4**	**8.1N**	**103.8W**	**0**	**3.4b**		**21-64**
								¶97iii2473
ISC	**IV**	**17 07 04 36**±2.4	**8.1N**±.32	**104.5W**±.55	**33**	**3.8b**,3.9s	**12**	**21-64**
EIDC	IV	17 07 04 33.1	7.9N	104.7W	0	3.7b,3.9s		**¶97iv2864**
ISC	**IV**	**25 09 33 50**±2.3	**8.4N**±.36	**103.4W**±.59	**10**	**4.0b**	**12**	**21-158**
NEIC	IV	25 09 33 49.3	8.24N	103.54W	10	4.3b		**¶97iv4316**
EIDC	IV	25 09 33 50.7	8.3N	103.4W	0	3.8b		
NEIC	Poor solution.							
ISC	**V**	**05 04 46 23**±2.5	**10.9N**±.59	**96.6W**±.91	**33**	**3.6b**	**5**	**19-53**
EIDC	V	05 04 46 19.3	10.6N	96.8W	0	3.7b		**¶97v0739**
ISC	**V**	**10 12 28 12**±2.6	**8.6N**±.40	**103.3W**±.64	**10**	**3.8b**	**9**	**21-145**
EIDC	V	10 12 28 09.9	8.4N	103.7W	0	3.6b		**¶97v1599**
NEIC	V	10 12 28 10.7	8.49N	103.47W	10	4.3b		
NEIC	Poor solution.							
ISC	**V**	**10 19 40 29**±1.3	**8.2N**±.16	**103.5W**±.33	**10**	**4.0b**	**13**	**21-145**
NEIC	V	10 19 40 28.9	8.24N	103.40W	10	4.0b		**¶97v1653**
EIDC	V	10 19 40 29.7	8.2N	103.4W	0	3.7b		
NEIC	Less reliable solution.							
ISC	**V**	**10 20 00 40**±2.3	**8.7N**±.35	**104.5W**±.54	**10**	**3.6b**	**6**	**21-63**
EIDC	V	10 20 00 39.6	8.5N	104.6W	0	3.4b		**¶97v1658**
EIDC	**V**	**11 07 41 46.1**	**7.8N**	**102.3W**	**0**	**3.2b**		**21-147**
								¶97v1749
ISC	**V**	**11 10 47 26**±1.3	**8.1N**±.19	**103.8W**±.30	**10**	**3.8b**,3.9s	**13**	**21-145**
EIDC	V	11 10 47 25.1	8.1N	103.9W	0	3.8b,3.4s		**¶97v1770**
NEIC	V	11 10 47 25.4	8.12N	103.78W	10			
NEIC	Poor solution.							
EIDC	**V**	**14 12 55 48.9**	**8.8N**	**104.9W**	**0**	**3.2b**		**21-63**
								¶97v2451
ISC	**V**	**30 22 03 44**±2.4	**8.1N**±.38	**103.5W**±.59	**10**	**3.9b**	**6**	**21-64**
EIDC	V	30 22 03 43.6	8.0N	103.6W	0	4.0b		**¶97v5106**

(64) Off coast of Michoacan, Mexico.

ISC	**II**	**21 07 13 59**±1.7	**15.3N**±.21	**105.8W**±.41	**10**	**3.8b**	**8**	**14-57**
EIDC	II	21 07 13 58.9	15.3N	105.7W	0	3.7b		**¶97ii3035**

(65) Off coast of Guerrero, Mexico.

ISC	**I**	**02 18 25 46**±3.4	**15.7N**±.26	**98.5W**±.15	**2**	3.6b	**6**	**1-48**
MEX	I	02 18 25 52.4	16.0N	98.5W	2	3.5D		**¶97i0260**
ISC	**I**	**11 10 40 26**±4.5	**13.6N**±.45	**103.6W**±.43	**10**	**3.6b**	**14**	**16-59**
NEIC	I	11 10 40 26.6	13.72N	103.64W	10	3.3b		**¶97i1509**
EIDC	I	11 10 40 27.1	13.8N	103.8W	0	3.5b,3.6L		
NEIC	Poor solution.							
ISC	**I**	**14 01 19 19**±4.7	**15.6N**±.38	**98.0W**±.14	**16**		**8**	**2-4**
MEX	I	14 01 19 24.4	15.9N	98.0W	16	4.0D		**¶97i1928**
MEX	**I**	**27 11 38 52.3**	**15.9N**	**99.2W**	**5**	**4.1D**		**¶97i4080**
MEX	**I**	**29 20 13 48.4**	**15.9N**	**99.1W**	**16**	**3.9D**		**¶97i4394**
ISC	**I**	**29 21 39 51**±4.2	**15.8N**±.34	**99.2W**±.11	**16**		**10**	**1-4**
MEX	I	29 21 39 55.6	16.0N	99.1W	16	4.0D		**¶97i4402**
ISC	**I**	**29 21 43 14**±7.5	**15.3N**±.59	**99.3W**±.20	**16**		**9**	**2-4**
MEX	I	29 21 43 21.3	15.8N	99.2W	16	3.8D		**¶97i4404**
MEX	**I**	**29 21 48 02.6**	**15.8N**	**99.1W**	**18**	**3.7D**		**¶97i4405**
ISC	**I**	**29 23 24 26**±1.6	**15.8N**±.13	**99.5W**±.13	**16**		**8**	**1-36**
MEX	I	29 23 24 31.3	16.1N	99.4W	16	3.9D		**¶97i4415**
ISC	**II**	**09 05 00 43**±2.8	**15.9N**±.21	**98.3W**±.11	**5**		**10**	**0-5**
MEX	II	09 05 00 46.4	16.0N	98.2W	5	3.9D		**¶97ii1257**
ISC	**II**	**11 16 24 22**±9.6	**14.8N**±.72	**98.3W**±.16	**14**		**9**	**3-6**
MEX	II	11 16 24 29.5	15.2N	98.3W	14	4.2D		**¶97ii1645**
ISC	**II**	**11 23 11 31**±1.6	**15.9N**±.13	**98.34W**±.083	**23**	3.1b	**23**	**1-48**
MEX	II	11 23 11 32.0	16.2N	98.2W	23	4.2D		**¶97ii1684**
ISC	**II**	**18 23 34 06**±1.7	**15.7N**±.14	**98.27W**±.077	**44**±9.0	**4.1b**	**36**	**1-130**
NEIC	II	18 23 34 03.9	15.64N	98.25W	33	3.9b		**¶97ii2705**
MEX	II	18 23 34 07.4	15.9N	98.2W	5	4.5D		
EIDC	II	18 23 34 27.6	17.0N	98.2W	153	3.6b		
NEIC	Poor solution.							
EIDC	**II**	**20 14 12 19.6**	**13.0N**	**100.0W**	**0**	3.3b,3.5L		**17-61**
								¶97ii2940
ISC	**II**	**21 15 06 08**±1.6	**15.9N**±.14	**98.2W**±.11	**5**		**13**	**0-4**
MEX	II	21 15 06 12.1	16.0N	98.1W	5	4.0D		**¶97ii3090**
ISC	**III**	**01 02 54 57**±2.1	**15.8N**±.18	**98.1W**±.11	**16**		**7**	**1-3**
MEX	III	01 02 54 57.3	15.9N	98.0W	16	3.9D		**¶97iii0023**
ISC	**III**	**03 05 46 35**±1.5	**15.7N**±.13	**98.43W**±.069	**10**	**4.0b**	**23**	**1-62**
MEX	III	03 05 46 39.7	15.9N	98.4W	10	4.4D		**¶97iii0487**
NEIC	III	03 05 47 04.5	20.45N	94.33W	10	3.8b		
EIDC	III	03 05 47 05.0	20.6N	94.1W	0	3.8b,3.4L		
NEIC	Poor solution.							
MEX	**III**	**11 13 49 50.2**	**15.5N**	**99.2W**	**16**	**3.6D**		**¶97iii2386**
MEX	**III**	**11 17 01 45.3**	**15.7N**	**98.8W**	**17**	**3.7D**		**¶97iii2415**
ISC	**III**	**15 12 52 54**±4.5	**15.7N**±.35	**98.0W**±.13	**22**	3.3b	**10**	**2-48**
MEX	III	15 12 52 57.9	15.8N	98.0W	22	4.3D		**¶97iii3055**
MEX	**III**	**18 07 46 02.1**	**15.3N**	**99.4W**	**16**	**4.1D**		**¶97iii3505**
ISC	**III**	**22 17 20 08**±2.5	**15.9N**±.21	**98.54W**±.079	**18**		**17**	**1-5**
MEX	III	22 17 20 11.1	16.4N	98.5W	18	4.1D		**¶97iii4298**
ISC	**III**	**26 04 38 30**±6.6	**15.5N**±.53	**98.1W**±.16	**16**		**5**	**2-4**
MEX	III	26 04 38 35.1	15.7N	98.0W	16	3.9D		**¶97iii4843**
ISC	**III**	**30 06 55 14**±1.5	**15.8N**±.13	**98.20W**±.074	**10**	3.5b	**17**	**1-48**
MEX	III	30 06 55 19.7	16.1N	98.2W	10	4.4D		**¶97iii5714**
MEX	**III**	**30 11 00 50.5**	**15.4N**	**98.4W**	**10**	**4.6D**		**¶97iii5744**
ISC	**III**	**30 12 00 52**±1.2	**15.8N**±.13	**98.25W**±.060	**15**	**4.4b**	**58**	**2-131**
MEX	III	30 12 00 53.4	15.6N	98.4W	15	4.6D		**¶97iii5754**
NEIC	III	30 12 00 57.9	16.28N	98.29W	33	4.4b		
EIDC	III	30 12 01 13.1	16.9N	98.0W	129	3.8b,3.5L		
NEIC	Less reliable solution.							
ISC	**IV**	**03 15 50 55**±2.9	**15.8N**±.22	**98.2W**±.11	**5**		**12**	**1-4**
MEX	IV	03 15 51 00.6	16.0N	98.3W	5	4.1D		**¶97iv0450**
ISC	**IV**	**03 22 43 18**±4.1	**15.7N**±.33	**98.81W**±.096	**15**		**11**	**1-4**
MEX	IV	03 22 43 22.8	15.9N	98.7W	15	4.0D		**¶97iv0496**
ISC	**IV**	**04 21 26 33**±6.3	**16.0N**±.32	**98.0W**±.12	**4**±24		**10**	**0-5**
MEX	IV	04 21 26 38.4	16.2N	98.0W	5	3.9D		**¶97iv0663**
ISC	**IV**	**05 07 13 13**±1.5	**15.9N**±.13	**98.23W**±.073	**58**±11	**3.6b**	**30**	**1-59**
MEX	IV	05 07 13 13.1	16.0N	98.2W	24	4.3D		**¶97iv0720**
EIDC	IV	05 07 13 20.1	17.6N	97.9W	0	3.6b,3.7L		
ISC	**IV**	**05 07 20 18**±7.3	**15.0N**±.57	**98.4W**±.14	**16**		**9**	**2-5**
MEX	IV	05 07 20 24.3	15.3N	98.4W	16	4.1D		**¶97iv0722**
ISC	**IV**	**05 07 34 01**±4.3	**15.4N**±.33	**98.3W**±.12	**14**		**19**	**2-5**
MEX	IV	05 07 34 00.9	15.2N	98.5W	14	4.4D		**¶97iv0727**
ISC	**IV**	**05 08 08 16**±8.9	**15.3N**±.38	**98.2W**±.12	**21**±48	**3.7b**	**23**	**2-59**
MEX	IV	05 08 08 20.5	15.5N	98.2W	16	4.7D		**¶97iv0731**
EIDC	IV	05 08 09 06.9	16.9N	98.4W	414	2.9b		
ISC	**IV**	**05 08 09 39**±2.2	**15.3N**±.19	**98.2W**±.13	**34**	**3.9b**	**16**	**2-59**
MEX	IV	05 08 09 42.6	15.5N	98.2W	34	4.4D		**¶97iv0732**
ISC	**IV**	**05 08 37 01**±2.5	**15.6N**±.21	**98.4W**±.12	**5**		**11**	**2-5**
MEX	IV	05 08 37 05.2	15.7N	98.4W	5	4.1D		**¶97iv0739**
ISC	**IV**	**05 13 39 02**±6.9	**15.3N**±.30	**98.26W**±.086	**19**±37	**4.1b**	**32**	**2-62**
EIDC	IV	05 13 39 02.4	15.5N	98.7W	0	4.0b,3.4L		**¶97iv0776**
NEIC	IV	05 13 39 06.5	15.68N	98.43W	33	3.9b		
MEX	IV	05 13 39 06.7	15.4N	98.3W	16	4.5D		
NEIC	Poor solution.							
ISC	**IV**	**05 13 51 24**±5.7	**15.4N**±.46	**98.2W**±.14	**10**		**7**	**2-4**
MEX	IV	05 13 51 28.7	15.5N	98.2W	10	4.1D		**¶97iv0779**
ISC	**IV**	**05 13 53 46**±1.7	**15.5N**±.16	**98.2W**±.11	**21**	**3.9b**	**22**	**2-84**
EIDC	IV	05 13 53 38.1	14.5N	98.2W	0	3.6b,3.8L		**¶97iv0780**
NEIC	IV	05 13 53 42.9	14.78N	98.17W	33	4.5b		
MEX	IV	05 13 53 43.2	15.0N	98.4W	21	4.4D		
NEIC	Poor solution.							
ISC	**IV**	**05 14 36 28**±3.3	**16.0N**±.26	**98.3W**±.11	**15**		**10**	**0-3**
MEX	IV	05 14 36 29.3	16.2N	98.2W	15	3.9D		**¶97iv0789**
ISC	**IV**	**05 17 08 26**±1.8	**15.8N**±.16	**98.45W**±.088	**5**		**15**	**2-5**
MEX	IV	05 17 08 30.7	16.0N	98.4W	5	4.2D		**¶97iv0811**
ISC	**IV**	**08 09 12 57**±7.8	**15.5N**±.65	**98.2W**±.17	**6**		**4**	**2-4**
MEX	IV	08 09 13 05.0	15.9N	98.3W	6	3.7D		**¶97iv1304**
ISC	Poorly determined							
ISC	**IV**	**09 04 48 31**±6.2	**15.0N**±.47	**98.7W**±.13	**16**		**13**	**2-5**
MEX	IV	09 04 48 35.8	15.2N	98.7W	16	4.1D		**¶97iv1459**
ISC	**IV**	**09 15 16 18**±9.2	**15.4N**±.76	**98.8W**±.19	**6**		**4**	**2-4**
MEX	IV	09 15 16 23.5	15.6N	98.8W	6	3.6D		**¶97iv1543**
ISC	Poorly determined							
ISC	**IV**	**16 14 54 35**±12	**15.2N**±.90	**99.0W**±.29	**10**		**4**	**2-4**
MEX	IV	16 14 54 42.8	15.6N	99.0W	10	3.6D		**¶97iv2775**
ISC	Poorly determined							
ISC	**IV**	**20 16 29 05**±2.0	**16.0N**±.16	**99.28W**±.070	**10**	3.3b	**24**	**1-48**
MEX	IV	20 16 29 04.1	15.7N	99.3W	10	4.4D		**¶97iv3341**
ISC	**IV**	**25 03 48 01**±4.8	**15.8N**±.39	**98.0W**±.14	**18**		**7**	**2-4**
MEX	IV	25 03 48 06.5	16.0N	98.0W	18	3.8D		**¶97iv4275**
ISC	**IV**	**27 02 29 10**±1.3	**15.8N**±.12	**98.16W**±.074	**10**	**3.9b**	**37**	**2-59**
EIDC	IV	27 02 29 00.1	15.2N	96.6W	0	3.6b,3.9L		**¶97iv4646**
NEIC	IV	27 02 29 05.4	15.04N	98.09W	33	3.9b		
MEX	IV	27 02 29 10.4	15.6N	98.4W	10	4.4D		
NEIC	Poor solution.							
ISC	**V**	**21 03 27 41**±5.5	**15.5N**±.43	**99.0W**±.14	**20**		**9**	**1-5**
MEX	V	21 03 27 39.5	15.2N	99.0W	20	4.1D		**¶97v3504**
ISC	**V**	**23 01 55 47**±1.5	**15.8N**±.14	**98.72W**±.073	**2**	**3.7b**	**19**	**1-59**
MEX	V	23 01 55 50.6	15.8N	98.6W	2	4.3D		**¶97v3863**
EIDC	V	23 01 56 46.3	18.5N	99.8W	342	2.9b		
MEX	**VI**	**01 09 40 03.0**	**15.9N**	**98.2W**	**7**	**4.2D**		**¶97vi0056**
ISC	**VI**	**02 04 31 51**±1.6	**15.5N**±.14	**98.40W**±.083	**16**	**3.7b**	**20**	**1-59**
EIDC	VI	02 04 31 48.7	15.4N	97.7W	0	3.5b		**¶97vi0179**
NEIC	VI	02 04 31 53.0	15.42N	98.22W	33	3.7b		
MEX	VI	02 04 31 53.2	15.5N	98.4W	16	4.1D		
NEIC	Poor solution.							
ISC	**VI**	**10 05 30 07**±4.0	**15.8N**±.32	**98.58W**±.097	**10**		**11**	**1-5**
MEX	VI	10 05 30 12.0	16.0N	98.6W	10	4.2D		**¶97vi1482**
MEX	**VI**	**15 21 39 03.6**	**15.8N**	**98.6W**	**10**	**4.2D**		**¶97vi2360**
ISC	**VI**	**21 23 19 36**±3.1	**16.0N**±.16	**99.0W**±.11	**22**±17	**4.1b**,3.9s	**38**	**1-58**
MEX	VI	21 23 19 31.4	15.6N	99.4W	9	4.6D		**¶97vi3287**
NEIC	VI	21 23 19 37.2	16.00N	99.00W	33	4.2b		
EIDC	VI	21 23 19 40.4	16.5N	98.9W	20	4.0b,3.9s		
NEIC	Poor solution.							
ISC	**VI**	**22 20 08 02**±1.9	**15.7N**±.15	**99.4W**±.19	**16**		**6**	**1-44**
MEX	VI	22 20 08 07.1	15.9N	99.4W	16	4.1D		**¶97vi3430**
MEX	**VI**	**22 20 57 16.2**	**16.0N**	**99.3W**	**16**	**4.5D**		**¶97vi3435**
ISC	**VI**	**29 09 21 26**±1.7	**15.9N**±.15	**99.33W**±.097	**13**	**3.5b**	**19**	**1-58**
EIDC	VI	29 09 21 26.5	15.8N	98.2W	19	3.4b,3.4L		**¶97vi4600**
MEX	VI	29 09 21 28.6	15.9N	99.3W	13	4.4D		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(66) Near coast of Oaxaca, Mexico.						
ISC	**I**	**05 13 27 13**±2.2	**15.6N**±.21	**97.6W**±.11	**16**		**12**	**1-4**
MEX	I	05 13 27 14.7	15.9N	97.6W	16	4.0D		¶97i0677
ISC	**I**	**14 16 06 39**±3.7	**15.4N**±.72	**95.3W**±.40	**33**		**7**	**2-49**
								¶97i2019
ISC	**I**	**19 18 26 10**±3.9	**15.8N**±.24	**95.6W**±.26	**62**		**13**	**1-7**
MEX	I	19 18 26 10.9	16.1N	95.4W	62	4.2D		¶97i2872
MEX	**I**	**20 09 14 21.9**	**15.1N**	**95.6W**	**15**	**4.1D**		¶97i2974
MEX	**I**	**20 19 19 43.3**	**15.8N**	**95.9W**	**53**	**2.2D**		¶97i3067
ISC	**I**	**21 13 52 46.2**±.88	**15.6N**±.11	**97.4W**±.10	**72**±1.4*	**4.5b**	**76**	**1-151**
MEX	I	21 13 52 39.8	15.1N	97.5W	16	4.6D		¶97i3189
NEIC	I	21 13 52 43.1	15.06N	97.42W	72	4.8b		
EIDC	I	21 13 52 45.2	15.1N	97.4W	74	4.3b,4.0s		
NEIC		Less reliable solution.						
ISC	**II**	**03 08 51 16**±2.7	**15.9N**±.27	**97.5W**±.15	**5**		**6**	**1-5**
MEX	II	03 08 51 17.7	15.7N	97.6W	5	4.1D		¶97ii0351
ISC	**II**	**04 06 01 31**±4.3	**15.9N**±.35	**97.7W**±.14	**5**		**7**	**2-3**
MEX	II	04 06 01 35.5	15.9N	97.8W	5	4.0D		¶97ii0471
ISC	**II**	**04 06 22 47**±2.3	**15.9N**±.17	**98.0W**±.10	**5**		**20**	**0-7**
MEX	II	04 06 22 51.9	16.1N	98.0W	5	4.3D		¶97ii0477
ISC	**II**	**05 01 38 16**±1.6	**15.9N**±.14	**97.56W**±.075	**13**		**22**	**1-5**
MEX	II	05 01 38 14.5	15.9N	97.6W	13	4.2D		¶97ii0622
ISC	**II**	**06 08 41 58**±1.6	**15.8N**±.15	**97.9W**±.10	**16**		**19**	**1-5**
MEX	II	06 08 42 03.1	16.2N	97.7W	16	4.2D		¶97ii0813
ISC	**II**	**26 16 21 18**±1.7	**15.9N**±.18	**97.7W**±.10	**15**		**11**	**1-5**
MEX	II	26 16 21 15.9	15.9N	98.1W	15	4.3D		¶97ii3817
ISC	**III**	**09 04 13 08**±2.4	**15.48N**±.098	**94.50W**±.087	**24**±18	**4.3b**	**52**	**2-147**
MEX	III	09 04 13 06.8	14.8N	95.0W	16	4.5D		¶97iii1901
NEIC	III	09 04 13 09.6	15.57N	94.38W	33	4.4b		
EIDC	III	09 04 13 15.0	15.7N	94.4W	64	3.9b		
NEIC		Less reliable solution.						
ISC	**IV**	**02 04 10 31**±4.4	**16.0N**±.29	**96.1W**±.21	**8**		**10**	**1-4**
MEX	IV	02 04 10 31.2	15.8N	96.0W	8	4.2D		¶97iv0188
ISC	**IV**	**05 17 20 39**±2.9	**15.9N**±.22	**97.7W**±.11	**5**		**10**	**1-3**
MEX	IV	05 17 20 45.2	16.2N	97.8W	5	4.0D		¶97iv0815
ISC	**IV**	**14 12 09 45.6**±.82	**15.69N**±.066	**96.52W**±.050	**36**±6.0	**4.4b**	**80**	**0-147**
MEX	IV	14 12 09 41.8	15.3N	96.7W	3	4.7D		¶97iv2458
EIDC	IV	14 12 09 42.0	15.6N	96.6W	0	4.3b,4.0L		
NEIC	IV	14 12 09 45.2	15.73N	96.48W	33	4.6b		
ISC	**V**	**01 12 45 01**±3.2	**16.0N**±.11	**96.71W**±.078	**29**±22	**4.0b**	**46**	**1-150**
MEX	V	01 12 45 01.1	15.8N	96.8W	18	4.6D		¶97v0103
NEIC	V	01 12 45 09.8	16.28N	96.53W	100	4.1b		
EIDC	V	01 12 45 15.4	16.5N	96.5W	130	3.6b		
NEIC		Less reliable solution.						
ISC	**V**	**16 18 55 32**±3.6	**15.9N**±.30	**98.0W**±.12	**16**		**7**	**2-3**
MEX	V	16 18 55 38.3	16.3N	98.1W	16	3.9D		¶97v2827
MEX	**V**	**22 19 26 22.5**	**15.1N**	**97.7W**	**15**	**4.0D**		¶97v3823
ISC	**V**	**25 13 30 43**±3.7	**15.6N**±.38	**97.3W**±.19	**79**		**5**	**1-4**
MEX	V	25 13 30 39.4	15.2N	97.3W	79	4.1D		¶97v4278
ISC	**VI**	**16 03 23 33**±1.7	**15.7N**±.21	**94.2W**±.13	**33**		**6**	**2-6**
MEX	VI	16 03 23 34.5	15.6N	94.2W	33	4.2D		¶97vi2396
ISC	**VI**	**26 06 39 08**±4.6	**15.9N**±.35	**97.0W**±.17	**5**		**7**	**1-4**
MEX	VI	26 06 39 11.2	15.9N	97.1W	5	4.0D		¶97vi4095
		(67) Off coast of Oaxaca, Mexico.						
ISC	**III**	**01 10 57 31**±1.1	**14.8N**±.13	**95.1W**±.14	**33**	**3.8b**	**11**	**3-86**
EIDC	III	01 10 57 29.2	14.9N	94.8W	0	3.8b,3.5L		¶97iii0095
NEIC	III	01 10 57 31.6	14.89N	94.95W	33	3.9b		
NEIC		Poor solution.						
		(68) Off coast of Chiapas, Mexico.						
ISC	**I**	**01 16 52 45**±5.0	**13.9N**±.38	**92.3W**±.15	**56**±20	**4.2b**	**24**	**1-148**
NEIC	I	01 16 53 00.0	14.72N	92.40W	150	4.3b		¶97i0090
EIDC	I	01 16 53 09.6	15.0N	92.2W	227	3.6b		
NEIC		Less reliable solution.						
MEX	**I**	**15 15 42 52.1**	**14.0N**	**92.4W**	**18**	**4.6D**		¶97i2173
ISC	**I**	**16 07 54 05**±3.2	**13.0N**±.23	**93.1W**±.22	**61**±28	3.3b	**6**	**2-63**
EIDC	I	16 07 54 00.2	13.1N	92.8W	0	3.3b,3.6L		¶97i2271
EIDC	**I**	**23 02 56 03.1**	**12.2N**	**93.2W**	**0**	**3.7b**,3.5L		**20-64**
								¶97i3428
ISC	**II**	**16 11 21 17**±2.5	**14.0N**±.30	**93.5W**±.20	**33**	**4.1b**	**8**	**3-87**
EIDC	II	16 11 21 19.3	15.2N	92.7W	0	4.0b,3.5L		¶97ii2369
EIDC	**III**	**14 07 23 12.9**	**13.7N**	**93.7W**	**36**	3.2b,3.3L		**18-146**
								¶97iii2835
ISC	**III**	**14 15 35 09**±5.1	**13.6N**±.40	**92.2W**±.22	**35**±32	**3.9b**	**7**	**1-86**
EIDC	III	14 15 35 03.9	13.4N	92.0W	0	3.8b,4.3L		¶97iii2907
ISC	**III**	**14 15 39 15**±3.4	**13.4N**±.33	**92.2W**±.27	**33**	**3.7b**	**8**	**2-147**
EIDC	III	14 15 39 12.3	13.5N	91.9W	0	3.6b,4.1L		¶97iii2908
ISC	**III**	**18 19 51 03**±6.6	**13.7N**±.17	**94.1W**±.11	**8**±39	**3.9b**	**15**	**2-146**
NEIC	III	18 19 51 07.3	13.91N	93.78W	33	3.9b		¶97iii3584
EIDC	III	18 19 51 10.4	14.0N	93.5W	35	3.5b		
NEIC		Poor solution.						
ISC	**IV**	**06 14 53 42**±2.8	**14.4N**±.27	**94.0W**±.10	**49**±14	**3.8b**	**14**	**2-86**
EIDC	IV	06 14 53 41.6	14.7N	93.7W	25	3.6b,3.9L		¶97iv1012
MEX	IV	06 14 53 42.5	14.4N	94.0W	11	4.4D		
ISC	**IV**	**21 23 13 04**±1.3	**13.8N**±.29	**92.0W**±.43	**33**	**3.8b**	**10**	**6-146**
EIDC	IV	21 23 13 01.2	13.7N	92.1W	0	3.7b,3.8L		¶97iv3598
NEIC	IV	21 23 13 03.9	13.72N	92.09W	33	3.4b		
NEIC		Poor solution.						
EIDC	**IV**	**23 00 43 56.5**	**13.9N**	**92.6W**	**0**	3.6b,3.6L		**18-146**
								¶97iv3861
ISC	**IV**	**24 15 48 55**±3.8	**13.6N**±.48	**92.5W**±.20	**33**	**4.1b**	**15**	**5-151**
EIDC	IV	24 15 48 55.9	14.1N	92.3W	0	4.0b,3.9L		¶97iv4171
NEIC	IV	24 15 48 58.7	14.03N	92.52W	33	4.2b		
NEIC		Poor solution.						
EIDC	**V**	**17 04 36 01.6**	**13.8N**	**94.7W**	**0**	3.2b,4.0L		**18-51**
								¶97v2882
ISC	**VI**	**07 11 05 57**±4.7	**14.5N**±.29	**94.6W**±.30	**108**±43	**4.0b**	**15**	**17-151**
EIDC	VI	07 11 05 41.5	13.7N	94.5W	0	3.9b,3.6L		¶97vi1086
ISC	**VI**	**07 21 39 06**±4.0	**13.9N**±.46	**92.0W**±.40	**33**	**4.0b**	**14**	**19-146**
NEIC	VI	07 21 39 06.6	13.99N	92.16W	33	3.9b		¶97vi1148
EIDC	VI	07 21 39 07.1	14.5N	92.1W	0	4.0b,3.6L		
NEIC		Poor solution.						
ISC	**VI**	**21 11 51 01**±2.8	**13.8N**±.19	**92.3W**±.11	**39**±17	**4.0b**	**34**	**1-146**
NEIC	VI	21 11 51 00.4	13.82N	92.29W	33	4.4b		¶97vi3212
EIDC	VI	21 11 51 00.9	14.6N	91.5W	0	4.0b,4.2L		
MEX	VI	21 11 51 11.8	14.4N	92.7W	65	4.4D		
NEIC		Less reliable solution.						
		(69) Near coast of Chiapas, Mexico.						
ISC	**I**	**16 04 49 45**±2.6	**14.8N**±.30	**92.4W**±.20	**70**		**4**	**0-7**
MEX	I	16 04 49 45.8	14.8N	92.4W	70	4.3D		¶97i2258
ISC		Poorly determined						
EIDC	**I**	**18 23 30 46.3**	**14.1N**	**92.4W**	**0**	**3.9b**		**32-146**
								¶97i2737
ISC	**II**	**04 13 13 26**±1.2	**14.7N**±.11	**93.77W**±.062	**36**±9.8	**4.1b**	**33**	**1-145**
NEIC	II	04 13 13 22.8	13.99N	94.78W	33	3.5b		¶97ii0525
MEX	II	04 13 13 25.3	14.4N	93.9W	16	4.7D		
EIDC	II	04 13 13 29.5	14.2N	94.7W	79	3.9b,3.6L		
NEIC		Poor solution.						
ISC	**II**	**06 13 21 26**±3.8	**14.6N**±.29	**93.1W**±.38	**67**±29	**4.0b**	**9**	**1-145**
EIDC	II	06 13 21 20.9	14.8N	92.7W	0	3.9b,3.6L		¶97ii0846
ISC	**II**	**09 14 37 23**±1.2	**15.4N**±.20	**93.3W**±.11	**134**±11	**3.7b**	**18**	**1-146**
NEIC	II	09 14 37 11.5	15.14N	93.75W	33	3.8b		¶97ii1317
MEX	II	09 14 37 27.0	15.6N	93.4W	9	4.2D		
EIDC	II	09 14 37 54.8	17.5N	93.8W	277	3.2b		
NEIC		Poor solution.						
ISC	**II**	**23 00 54 22**±1.0	**15.7N**±.15	**93.12W**±.099	**120**±10	**3.7b**	**16**	**1-61**
EIDC	II	23 00 54 05.3	15.5N	92.0W	0	3.8b,4.0L		¶97ii3275
NEIC	II	23 00 54 22.7	15.74N	93.04W	122	4.1b		
MEX	II	23 00 54 23.8	15.6N	93.5W	5	4.3D		
NEIC		Less reliable solution.						
ISC	**III**	**15 10 37 37.3**±.65	**15.65N**±.066	**93.23W**±.060	**111**±6.6	**4.1b**	**62**	**1-135**
NEIC	III	15 10 37 35.8	15.74N	93.05W	96	4.5b		¶97iii3034
EIDC	III	15 10 37 38.0	15.8N	93.0W	95	3.8b		
MEX	III	15 10 37 38.5	15.9N	93.3W	130	4.8D		
ISC	**III**	**19 19 23 23**±3.5	**14.17N**±.081	**93.86W**±.063	**11**±21	**4.5b**	**61**	**2-148**
MEX	III	19 19 23 25.2	14.0N	94.1W	34	4.8D		¶97iii3755
NEIC	III	19 19 23 26.7	14.35N	93.56W	33	4.6b		
EIDC	III	19 19 23 31.8	14.4N	93.5W	68	4.0b,4.6L		
NEIC		Less reliable solution.						
ISC	**III**	**20 06 27 09**±4.8	**14.1N**±.81	**92.9W**±.63	**33**	**3.9b**	**6**	**18-64**
EIDC	III	20 06 27 03.5	13.6N	93.2W	0	3.8b,3.5L		¶97iii3855
EIDC	**III**	**26 05 27 56.7**	**14.9N**	**92.8W**	**0**	**3.7b**,4.1L		**1-145**
								¶97iii4846
ISC	**IV**	**20 22 29 37**±1.2	**15.96N**±.077	**93.87W**±.088	**77**±11	**4.5b**	**107**	**1-146**
NEIC	IV	20 22 29 38.3	16.04N	93.84W	84	4.6b		¶97iv3369
EIDC	IV	20 22 29 40.6	16.2N	93.7W	86	4.1b,3.8s		
MEX	IV	20 22 29 42.1	16.0N	94.3W	38	4.5D		
ISC	**IV**	**29 02 32 02**±1.5	**14.54N**±.080	**92.31W**±.099	**58**±14	**4.1b,3.4s**	**63**	**2-150**
NEIC	IV	29 02 32 01.9	14.55N	92.31W	60	4.3b		¶97iv5007
EIDC	IV	29 02 32 04.2	14.7N	92.1W	59	3.9b,3.4s		
MEX	IV	29 02 32 06.7	14.4N	92.8W	33	4.8D		
ISC	**V**	**09 08 33 23.5**±.38	**14.04N**±.060	**92.52W**±.060	**33**	**4.7b,4.5s**	**128**	**3-151**
NEIC	V	09 08 33 23.1	14.00N	92.44W	33	4.8b,4.6s		¶97v1389
EIDC	V	09 08 33 23.1	14.1N	92.4W	17	4.5b,4.4s		
MOS	V	09 08 33 27.4	14.4N	92.6W	33	4.9b,4.7s		
MEX	V	09 08 33 27.5	13.9N	93.2W	30	5.0D		
ISC	**V**	**09 09 06 25.3**±.50	**14.11N**±.073	**92.54W**±.067	**38**	**4.3b,4.5s**	**90**	**3-151**
NEIC	V	09 09 06 24.5	14.13N	92.39W	33	4.7b,4.6s		¶97v1397
MOS	V	09 09 06 24.9	14.2N	92.3W	33	4.9b,4.4s		
MEX	V	09 09 06 25.9	13.7N	93.1W	38	4.8D		
EIDC	V	09 09 06 29.3	14.2N	92.4W	57	3.9b,4.3L		
ISC	**V**	**14 15 48 41**±2.4	**14.43N**±.084	**93.73W**±.066	**32**±16	**4.5b,3.6s**	**85**	**2-147**
MEX	V	14 15 48 37.1	14.0N	94.0W	16	4.8D		¶97v2476
NEIC	V	14 15 48 40.5	14.46N	93.70W	33	4.7b,4.1s		
MOS	V	14 15 48 40.8	14.5N	93.6W	33	5.0b		
EIDC	V	14 15 48 41.8	14.6N	93.5W	29	4.3b,3.4s		
ISC	**V**	**24 16 24 34**±3.3	**14.2N**±.40	**92.4W**±.25	**33**	**3.6b**	**8**	**18-78**
EIDC	V	24 16 24 31.4	14.1N	92.4W	0	3.6b,3.5L		¶97v4138
NEIC	V	24 16 24 34.1	14.16N	92.36W	33	3.9b		
NEIC		Poor solution.						
MEX	**VI**	**03 19 23 51.9**	**14.9N**	**92.4W**	**86**	**3.8D**		¶97vi0507
EIDC	**VI**	**19 10 35 18.3**	**14.1N**	**92.4W**	**0**	3.7b,3.6L		**18-146**
								¶97vi2902
ISC	**VI**	**23 22 47 51**±1.9	**14.2N**±.15	**92.37W**±.093	**55**±12	**4.2b**,2.8s	**28**	**1-146**
NEIC	VI	23 22 47 48.5	14.15N	92.30W	33	4.3b		¶97vi3602
EIDC	VI	23 22 47 50.5	14.3N	92.1W	29	4.1b,3.4s		
MEX	VI	23 22 47 56.5	14.4N	92.6W	23	4.5D		
NEIC		Less reliable solution.						
ISC	**VI**	**24 05 26 05**±1.5	**14.4N**±.12	**93.14W**±.071	**53**±9.7	**4.0b**,3.1s	**37**	**1-145**
NEIC	VI	24 05 26 03.1	14.41N	93.20W	33	4.1b		¶97vi3647
MEX	VI	24 05 26 06.9	14.4N	93.1W	22	4.6D		
EIDC	VI	24 05 26 07.6	14.5N	92.9W	55	3.7b,3.2s		
NEIC		Less reliable solution.						
ISC	**VI**	**24 17 45 08**±5.7	**14.0N**±.50	**92.9W**±.12	**54**±20	**3.9b**	**11**	**1-146**
EIDC	VI	24 17 45 04.9	14.2N	92.6W	0	3.9b,4.0L		¶97vi3759
NEIC	VI	24 17 45 08.4	14.39N	92.54W	33	4.2b		
MEX	VI	24 17 45 11.8	14.2N	93.0W	20	4.5D		
NEIC		Poor solution.						
		(70) Guatemala.						
ISC	**I**	**10 09 27 31**±6.9	**14.3N**±.63	**91.5W**±.30	**53**±28	**3.7b**	**11**	**1-146**
NEIC	I	10 09 27 44.1	14.69N	91.87W	150	3.7b		¶97i1339
EIDC	I	10 09 27 46.7	14.9N	91.8W	142	3.6b,3.6L		
NEIC		Poor solution.						
ISC	**I**	**11 16 45 10**±2.4	**14.3N**±.37	**90.9W**±.24	**100**	**4.4b**	**15**	**19-150**
NEIC	I	11 16 45 08.7	14.02N	91.19W	100	4.5b		¶97i1547
EIDC	I	11 16 45 25.2	14.7N	91.4W	200	3.8b		
NEIC		Poor solution.						
EIDC	**II**	**15 18 35 07.8**	**14.0N**	**90.8W**	**0**	3.6b,4.1L		**2-146**
								¶97ii2276
ISC	**III**	**04 02 12 50**±1.8	**14.1N**±.13	**91.9W**±.10	**51**±13	**4.3b**	**39**	**1-147**
NEIC	III	04 02 12 47.4	14.14N	91.80W	33	4.5b		¶97iii0750
EIDC	III	04 02 12 55.0	14.3N	91.8W	86	3.9b,4.4L		
NEIC		Less reliable solution.						
ISC	**III**	**13 06 59 40.3**±.85	**14.28N**±.064	**89.87W**±.081	**267**±9.5	**4.2b**	**65**	**2-144**
NEIC	III	13 06 59 38.2	14.22N	89.86W	250	4.6b		¶97iii2662
EIDC	III	13 06 59 42.1	14.5N	89.7W	263	3.9b		
ISC	**III**	**15 19 47 47**±1.8	**14.3N**±.15	**91.4W**±.11	**59**±14	**4.3b**	**43**	**1-148**
NEIC	III	15 19 47 44.0	14.26N	91.50W	33	4.3b		¶97iii3099
EIDC	III	15 19 47 49.2	14.3N	91.2W	65	4.1b		
MEX	III	15 19 47 53.5	14.2N	92.3W	10	4.7D		
NEIC		Poor solution.						

NEIC Felt I=II MM at San Salvador (after LCBS)
EIDC III 22 13 38 11.0 14.1N 91.5W 0 3.7b,3.4L **19-63 ¶97iii4271**
ISC III 22 20 32 58±1.6 **14.4N**±.12 **91.4W**±.15 **68**±17 **4.0b 26 1-146**
NEIC III 22 20 32 58.3 14.35N 91.37W 73 4.0b **¶97iii4313**
MEX III 22 20 33 00.0 14.0N 92.1W 4 4.6D
EIDC III 22 20 33 01.9 14.5N 91.2W 92 3.7b
NEIC Less reliable solution.
EIDC III 23 22 39 49.0 14.3N 91.2W 0 3.4b,3.7L **19-146 ¶97iii4491**
ISC IV 07 15 59 40±2.8 **14.0N**±.33 **90.8W**±.21 **173**±15 **3.8b 16 2-146**
NEIC IV 07 15 59 45.6 14.42N 90.67W 200 3.8b **¶97iv1184**
EIDC IV 07 15 59 59.0 14.9N 90.7W 296 3.4b
NEIC Poor solution.
EIDC V 09 11 05 26.5 14.9N 91.7W 0 3.8b,3.4L **18-145 ¶97v1412**
EIDC V 09 21 05 17.0 14.6N 90.5W 0 3.7b,3.8L **19-146 ¶97v1489**
ISC V 10 11 28 33.9±.78 **14.2N**±.11 **91.9W**±.12 **33 4.1b 29 4-146**
NEIC V 10 11 28 33.5 14.19N 91.85W 33 4.3b **¶97v1589**
MEX V 10 11 28 40.7 14.1N 92.3W 32 5.0D
EIDC V 10 11 28 41.8 14.4N 91.8W 96 3.8b,4.5L
NEIC Less reliable solution.
ISC V 12 22 57 37±2.7 **14.05N**±.097 **91.68W**±.082 **102**±24 **4.3b 68 16-147**
NEIC V 12 22 57 36.7 14.09N 91.67W 100 4.5b **¶97v2065**
EIDC V 12 22 57 39.7 14.3N 91.6W 103 4.0b,3.4s
ISC V 12 23 10 25±4.6 **14.2N**±.55 **91.0W**±.28 **33 3.9b 10 19-146**
EIDC V 12 23 10 24.5 14.4N 90.9W 0 3.8b **¶97v2068**
NEIC V 12 23 10 25.7 14.24N 90.98W 33 3.9b
NEIC Poor solution.
ISC V 15 04 39 25±1.1 **14.52N**±.049 **89.79W**±.043 **304**±11 **4.9b 341 16-152**
BJI V 15 04 39 21.5 14.50N 89.80W 274 **¶97v2565**
NEIC V 15 04 39 21.5 14.46N 89.78W 274 4.9b
EIDC V 15 04 39 23.4 14.5N 89.7W 273 4.5b
HRVD V 15 04 39 26.3±.3 14.53N±.03 89.85W±.04 273±1.5
MOS V 15 04 39 26.7 14.6N 89.9W 314 5.5b
NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c52; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.48±.04; $M_{\theta\theta}$−0.20±.07; $M_{\phi\phi}$−0.28±.08; $M_{r\theta}$0.90±.07; $M_{r\phi}$−1.75±.05; $M_{\theta\phi}$0.12±.05. Principal Axes: T 2.07,Plg51°,Azm64°; N −0.12, Plg1°,Azm333°; P −1.95,Plg39°,Azm242°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S323°,δ6°,λ80°. NP2:ϕ_S153°,δ84°,λ91°.
EIDC V 15 12 12 13.6 14.1N 91.6W 0 3.6b,3.5L **19-146 ¶97v2613**
ISC V 17 19 27 56±5.8 **14.1N**±.19 **91.6W**±.27 **199**±57 **3.6b 10 19-89**
NEIC V 17 19 27 55.3 14.01N 91.63W 200 3.8b **¶97v2977**
EIDC V 17 19 27 59.8 13.9N 91.6W 233 3.4b
NEIC Poor solution.
ISC V 29 10 37 12.2±.64 **14.02N**±.095 **91.37W**±.061 **97**±6.1 **4.1b 56 1-146**
EIDC V 29 10 37 08.6 14.3N 90.7W 48 3.8b,3.2s **¶97v4857**
NEIC V 29 10 37 12.9 14.11N 91.28W 100 4.3b
MEX V 29 10 37 15.3 13.9N 91.8W 30 4.8D
NEIC M_D4.7(SSS)
NEIC Felt I=II MM at San Salvador, El Salvador.
ISC VI 02 03 40 42±4.4 **14.1N**±.14 **91.5W**±.11 **107**±40 **4.1b 69 19-146**
NEIC VI 02 03 40 34.0 14.09N 91.40W 33 4.2b,4.0s **¶97vi0170**
EIDC VI 02 03 40 38.2 14.2N 91.3W 52 4.0b,3.8s
ISC VI 07 11 44 02±1.1 **14.3N**±.24 **91.4W**±.34 **33 3.9b 12 19-146**
EIDC VI 07 11 43 59.1 14.5N 91.0W 0 3.9b,4.0L **¶97vi1092**
NEIC VI 07 11 44 02.3 14.29N 91.44W 33 4.1b
NEIC Poor solution.

(71) Near coast of Guatemala.

EIDC I 05 09 32 22.4 13.4N 90.8W 384 3.3b 20-52 ¶97i0649
ISC II 17 03 20 34±2.4 **13.8N**±.31 **91.2W**±.13 **33 4.1b 17 2-146**
NEIC II 17 03 20 34.6 13.94N 91.19W 33 4.0b **¶97ii2448**
EIDC II 17 03 20 59.7 14.8N 91.3W 202 3.5b
NEIC Poor solution.
ISC II 18 03 00 53±5.0 **13.9N**±.66 **91.1W**±.18 **33 3.9b 8 1-63**
EIDC II 18 03 00 42.4 12.8N 91.4W 0 3.6b **¶97ii2595**
NEIC II 18 03 00 52.6 13.86N 91.15W 33
NEIC Poor solution.
ISC II 20 03 22 11.0±.55 **13.49N**±.069 **90.31W**±.040 **80**±4.5 **4.5b 92 1-147**
NEIC II 20 03 22 10.5 13.49N 90.34W 75 4.7b **¶97ii2868**
EIDC II 20 03 22 12.6 13.7N 90.1W 75 4.2b,4.2s
BJI II 20 03 22 13.2 13.98N 90.65W 76
MEX II 20 03 22 15.5 13.8N 90.6W 12 5.0D
NEIC M_D4.7(SSS)
NEIC Felt I=IV MM at San Salvador, El Salvador.
ISC II 22 17 03 57±3.3 **14.0N**±.24 **90.7W**±.15 **53**±22 **4.4b 35 2-148**
NEIC II 22 17 03 54.9 13.93N 90.75W 33 4.3b **¶97ii3226**
EIDC II 22 17 04 13.0 14.4N 91.0W 161 3.9b
NEIC Less reliable solution.
ISC III 16 04 21 00.2±.73 **13.2N**±.11 **90.39W**±.073 **33 4.4b 66 2-148**
NEIC III 16 04 21 00.2 13.20N 90.36W 33 4.3b **¶97iii3164**
EIDC III 16 04 21 24.0 14.0N 90.3W 205 3.8b
NEIC Less reliable solution.
ISC IV 04 14 01 07.9±.39 **13.85N**±.053 **90.78W**±.036 **83**±3.9 **4.7b 161 1-150**
BJI IV 04 14 01 05.9 14.56N 90.56W 53 **¶97iv0622**
NEIC IV 04 14 01 06.4 13.85N 90.86W 66 5.0b
EIDC IV 04 14 01 06.5 14.0N 90.3W 57 4.3b,3.8s
MEX IV 04 14 01 19.0 14.1N 91.7W 21 5.1D
MOS IV 04 14 01 50.2 18.0N 91.3W 163 4.8b
NEIC M_D4.4(SSS)
NEIC Felt along the south coast of Guatemala and at Guatemala City. Also felt I=III MM at San Salvador, El Salvador.
ISC IV 08 16 41 22±4.8 **13.9N**±.38 **91.4W**±.17 **47**±23 **4.2b 24 1-147**
NEIC IV 08 16 41 39.3 14.86N 91.34W 150 **¶97iv1362**
EIDC IV 08 16 41 42.4 15.2N 91.3W 148 3.7b,4.4L
NEIC Poor solution.
ISC IV 16 15 37 48.9±.62 **13.4N**±.10 **90.57W**±.079 **33 4.5b,3.1s 66 2-151**
NEIC IV 16 15 37 48.8 13.37N 90.59W 33 4.4b **¶97iv2781**
EIDC IV 16 15 37 56.8 13.6N 90.5W 83 4.3b,3.1s
ISC IV 16 19 19 41.8±.36 **13.23N**±.061 **90.51W**±.060 **59**±3.8* **4.8b,4.0s 126 2-151**
NEIC IV 16 19 19 38.6 13.20N 90.50W 33 4.8b,4.4s **¶97iv2801**
MOS IV 16 19 19 39.0 13.4N 90.3W 33 4.9b
BJI IV 16 19 19 39.4 13.53N 90.91W 39
EIDC IV 16 19 19 44.0 13.4N 90.4W 62 4.5b,3.9s
ISC IV 19 09 53 55±4.0 **13.2N**±.54 **91.5W**±.26 **33 4.0b,**2.4s **12 9-64**
EIDC IV 19 09 53 52.0 13.4N 91.4W 0 3.9b,3.1s **¶97iv3185**
NEIC IV 19 09 53 54.7 13.26N 91.55W 33 3.9b
NEIC Poor solution.
ISC V 02 11 08 02±1.1 **13.40N**±.068 **90.00W**±.053 **81**±10 **4.7b 189 9-151**
EIDC V 02 11 07 53.2 13.4N 89.8W 0 4.8b,3.9s **¶97v0254**
NEIC V 02 11 07 56.2 13.29N 89.96W 33 4.9b,4.3s
MOS V 02 11 07 57.0 13.3N 90.0W 33 5.3b,4.2s
BJI V 02 11 07 58.2 13.30N 90.00W 33
HRVD V 02 11 08 00.0±1.3 13.29N±.13 90.55W±.12 34±7.2
NEIC Mw5.2(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.88±.52; $M_{\theta\theta}$−4.27±.63; $M_{\phi\phi}$0.39±.98; $M_{r\theta}$3.54±1.69; $M_{r\phi}$−1.21±1.63; $M_{\theta\phi}$2.54±.47. Principal Axes: T 5.22,Plg71°,Azm10°; N 1.49, Plg4°,Azm111°; P −6.70,Plg19°,Azm203°. Best double couple: $M_0$6.0×10^{16}Nm, NP1: ϕ_S300°,δ26°,λ99°. NP2:ϕ_S110°,δ64°,λ85°.
ISC V 07 02 15 22±2.1 **13.9N**±.18 **91.9W**±.10 **48**±16 **4.0b 16 3-146**
EIDC V 07 02 15 21.6 14.8N 91.2W 0 3.9b,4.2L **¶97v1041**
MEX V 07 02 15 29.5 14.5N 92.1W 194 4.5D
EIDC V 11 10 01 49.0 13.8N 91.9W 0 3.4b,3.4L **19-146 ¶97v1767**
ISC V 23 19 13 12±3.6 **13.57N**±.068 **91.03W**±.057 **13**±21 **4.8b,4.7s 156 2-152**
EIDC V 23 19 13 10.9 13.7N 90.7W 0 4.7b,4.2s **¶97v3991**
BJI V 23 19 13 15.0 13.60N 90.90W 33 5.7s
NEIC V 23 19 13 15.0 13.64N 90.93W 33 4.9b,4.7s
MEX V 23 19 13 24.0 14.1N 91.5W 16 5.0D
MOS V 23 19 13 25.4 14.7N 91.3W 33 5.1b,4.3s
ISC VI 25 22 58 51±1.4 **13.6N**±.19 **91.5W**±.28 **33 3.6b 7 19-147**
EIDC VI 25 22 58 47.9 13.6N 91.4W 0 3.7b,3.8L **¶97vi4041**

SEISMIC REGION 6.
CENTRAL AMERICA.

(72) Honduras.

ISC I 15 07 49 42±4.7 **13.8N**±.18 **87.2W**±.24 **445**±62 **3.9b 18 10-147**
NEIC I 15 07 49 25.1 13.80N 87.11W 250 3.5b **¶97i2118**
EIDC I 15 07 49 38.7 13.7N 87.5W 402 3.6b
NEIC Poor solution.
EIDC I 30 19 50 54.8 13.4N 87.4W 0 3.9b 35-140 ¶97i4535
NEIC II 10 05 24 26.5 15.36N 87.15W 10 3.1b **21-146**
EIDC II 10 05 24 26.6 15.3N 87.1W 0 3.3b **¶97ii1418**
NEIC Poor solution.
ISC V 20 08 18 50±5.8 **15.8N**±.68 **85.3W**±.50 **10 3.8b 8 20-146**
NEIC V 20 08 18 49.6 15.86N 85.31W 10 3.9b **¶97v3375**
EIDC V 20 08 18 50.3 15.9N 85.4W 0 3.7b,3.2s
NEIC Poor solution.
ISC VI 24 06 59 53±1.0 **13.3N**±.13 **87.76W**±.086 **33 3.8b 17 1-139**
EIDC VI 24 06 59 49.2 13.3N 88.1W 0 3.8b **¶97vi3661**
NEIC VI 24 06 59 52.8 13.34N 87.77W 33 4.1b
NEIC Felt I=III MM at San Salvador, El Salvador.

(73) El Salvador.

ISC I 01 00 30 24±2.9 **13.0N**±.14 **88.2W**±.20 **72**±31 **4.3b 25 4-148**
NEIC I 01 00 30 20.3 13.03N 88.08W 33 4.5b **¶97i0005**
EIDC I 01 00 30 26.2 12.8N 88.4W 82 4.1b
NEIC Less reliable solution.
ISC I 03 02 22 17.8±.41 **13.27N**±.063 **88.18W**±.055 **191**±3.9 **4.8b 191 1-151**
MOS I 03 02 22 13.7 12.8N 88.4W 178 5.0b **¶97i0300**
BJI I 03 02 22 18.0 13.50N 88.00W 180
NEIC I 03 02 22 18.0 13.51N 88.05W 180 4.8b
EIDC I 03 02 22 21.1 13.7N 88.1W 190 4.4b
NEIC Felt I=II MM at San Salvador.
ISC I 14 19 53 17±2.3 **13.5N**±.36 **89.8W**±.12 **73**±8.3 **4.1b 21 0-150**
NEIC I 14 19 53 10.7 12.92N 90.19W 50 4.0b **¶97i2046**
EIDC I 14 19 53 13.2 13.6N 89.0W 27 3.7b
NEIC M_D4.2(SSS). Less reliable solution.
NEIC Felt I=II MM at San Salvador, El Salvador.
ISC I 24 07 55 22.8±.98 **13.1N**±.11 **88.3W**±.17 **76**±11 **4.3b 29 1-150**
NEIC I 24 07 55 21.9 13.11N 88.16W 66 **¶97i3616**
EIDC I 24 07 55 24.2 13.2N 88.1W 68 4.0b
NEIC M_D3.6(SSS)
NEIC Felt I=II MM at San Salvador.
ISC II 05 14 22 50.8±.59 **13.1N**±.11 **88.3W**±.13 **33 4.4b 26 4-148**
NEIC II 05 14 22 58.0 13.11N 88.43W 100 4.3b **¶97ii0704**
EIDC II 05 14 23 03.2 13.2N 88.4W 133 4.0b
NEIC Less reliable solution.
EIDC II 07 05 48 09.5 14.0N 89.3W 241 3.4b 20-150 ¶97ii0951
ISC II 07 10 30 23±2.4 **13.4N**±.36 **88.8W**±.28 **100 3.9b 8 21-150**
NEIC II 07 10 30 22.7 13.40N 88.85W 100 3.8b **¶97ii0978**
EIDC II 07 10 30 33.7 13.6N 89.1W 192 3.4b
NEIC Poor solution.
ISC II 07 17 49 27±5.0 **13.3N**±.64 **89.2W**±.35 **250 3.5b 12 21-147**
EIDC II 07 17 49 36.3 14.0N 89.4W 267 3.3b **¶97ii1017**
ISC II 22 03 03 30±5.1 **13.1N**±.40 **89.0W**±.17 **33 10 0-1**
NEIC II 22 03 03 29.2 13.05N 89.00W 33 **¶97ii3161**
NEIC M_D2.8(SSS). Single network solution.
NEIC Felt I=II MM at San Salvador.
ISC II 27 05 44 54±2.0 **14.0N**±.16 **89.3W**±.23 **198**±22 **3.7b 14 3-138**
NEIC II 27 05 44 54.3 13.93N 89.32W 201 4.0b **¶97ii3907**
EIDC II 27 05 44 58.0 14.0N 89.2W 218 3.4b
NEIC Less reliable solution.
ISC III 12 18 02 00.1±.81 **13.4N**±.14 **88.8W**±.14 **71**±4.9 **4.0b 34 0-147**
NEIC III 12 18 01 59.7 13.23N 89.06W 72 **¶97iii2568**
EIDC III 12 18 02 02.3 13.4N 88.9W 82 3.7b
NEIC M_D3.9(SSS). Less reliable solution.
NEIC Felt I=II MM at San Salvador.
ISC III 17 22 15 28±2.6 **13.2N**±.39 **89.3W**±.24 **33 4.1b 15 3-148**
EIDC III 17 22 15 23.0 13.0N 89.1W 0 4.0b **¶97iii3441**
NEIC III 17 22 15 28.0 13.25N 89.25W 33 4.2b
NEIC Poor solution.
ISC III 23 15 59 57±2.6 **13.1N**±.25 **89.8W**±.20 **72**±14 **3.8b 20 1-147**
EIDC III 23 15 59 52.8 13.8N 89.1W 0 4.0b **¶97iii4459**
NEIC III 23 16 00 01.6 13.75N 89.31W 78
NEIC M_D3.6(SSS). Poor solution.
NEIC Felt I=III MM at San Salvador.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 28 02 01 05**±1.9	**13.2N**±.22	**89.46W**±.098	**71**±6.1	**3.9b**	**29**	**1-148**
NEIC	III 28 02 01 03.2	12.98N	89.66W	33			**¶97iii5347**
EIDC	III 28 02 01 18.9	13.6N	89.3W	163	3.6b,3.3s		
NEIC	MD4.0(SSS). Felt I=IV MM San Salvador, El Salvador, single network solution						
ISC	**IV 04 15 42 11**±4.1	**13.1N**±.49	**89.4W**±.21	**100**	3.4b	**13**	**1-52**
NEIC	IV 04 15 42 10.3	13.07N	89.33W	100	3.4b		**¶97iv0628**
NEIC	MD3.0(SSS). Poor solution.						
NEIC	Felt I=II MM at San Salvador.						
NEIC	**IV 22 22 42 06.5**	**14.00N**	**88.52W**	**33**	3.8b		**21-64**
EIDC	IV 22 22 41 53.5	12.7N	88.4W	0	3.7b		**¶97iv3841**
NEIC	Poor solution.						
ISC	**V 22 00 31 51**±1.8	**13.2N**±.18	**89.6W**±.19	**77**±9.3	**4.0b**	**24**	**1-147**
NEIC	V 22 00 31 51.6	13.31N	89.50W	79	4.1b		**¶97v3652**
EIDC	V 22 00 32 02.7	13.6N	89.2W	163	3.6b		
NEIC	MD3.8(SSS). Less reliable solution.						
NEIC	Felt I=IV MM at San Salvador.						
ISC	**V 27 17 38 26**±1.1	**13.3N**±.17	**89.1W**±.21	**72**	**4.1b**	**19**	**21-147**
NEIC	V 27 17 38 26.7	13.51N	88.98W	72	4.1b		**¶97v4597**
EIDC	V 27 17 38 27.6	13.5N	88.9W	67	3.8b		
NEIC	Less reliable solution.						
ISC	**V 29 00 11 39**±6.8	**13.0N**±.44	**89.5W**±.29	**33**		**11**	**1-1**
NEIC	V 29 00 11 38.9	12.98N	89.52W	33			**¶97v4787**
NEIC	MD3.5(SSS). Poor solution.						
NEIC	Felt I=II MM at San Salvador, El Salvador.						
ISC	**VI 02 23 29 21.8**±.76	**13.36N**±.094	**89.4W**±.11	**82**±4.2	**4.1b**	**51**	**0-150**
NEIC	VI 02 23 29 21.6	13.39N	89.25W	80	4.3b		**¶97vi0352**
EIDC	VI 02 23 29 23.5	13.5N	89.1W	78	3.9b		
NEIC	Less reliable solution.						
NEIC	Felt I=IV MM at San Salvador						
ISC	**VI 04 06 38 35**±4.3	**13.2N**±.49	**89.2W**±.21	**250**	**4.0b**	**24**	**21-150**
EIDC	VI 04 06 38 47.7	14.4N	89.4W	274	3.5b,4.0s		**¶97vi0567**
ISC	**VI 05 16 37 24**±1.2	**14.0N**±.16	**88.5W**±.26	**400**	**3.6b**	**9**	**21-147**
EIDC	VI 05 16 37 17.4	13.9N	88.5W	312	3.4b		**¶97vi0804**
ISC	**VI 19 14 35 36**±1.0	**13.4N**±.19	**88.9W**±.23	**78**±6.8	**3.9b**	**21**	**0-147**
NEIC	VI 19 14 35 35.6	13.18N	89.08W	75	4.2b		**¶97vi2929**
EIDC	VI 19 14 35 36.7	13.5N	88.7W	61	3.6b		
NEIC	MD3.7(SSS). Poor solution.						
NEIC	Felt I=III MM at San Salvador.						
ISC	**VI 26 10 05 40**±5.7	**13.1N**±.13	**88.5W**±.17	**213**±59	**3.9b**	**24**	**21-139**
NEIC	VI 26 10 05 29.3	13.04N	88.58W	100	4.4b		**¶97vi4117**
EIDC	VI 26 10 05 30.7	13.1N	88.5W	93	3.8b,3.3s		
NEIC	Less reliable solution.						

(74) Near coast of Nicaragua.

ISC	**I 04 16 38 04**±1.0	**11.8N**±.20	**86.3W**±.27	**33**	**4.0b**	**16**	**24-149**
EIDC	I 04 16 37 59.4	11.7N	86.3W	0	4.0b		**¶97i0558**
NEIC	I 04 16 38 04.5	11.93N	86.14W	33	4.2b		
NEIC	Poor solution.						
EIDC	**I 08 20 39 30.0**	**11.8N**	**86.1W**	**0**	**3.6b**		**24-150**
							¶97i1113
ISC	**I 13 01 39 46**±5.1	**12.3N**±.64	**87.7W**±.26	**200**	**3.8b**	**15**	**23-149**
EIDC	I 13 01 39 53.5	13.1N	87.9W	201	3.6b		**¶97i1766**
EIDC	**I 16 13 48 03.8**	**11.4N**	**86.7W**	**0**	**3.9b**		**24-150**
							¶97i2320
NEIC	**I 17 18 00 36.6**	**12.56N**	**87.97W**	**100**	3.2b		**22-148**
EIDC	I 17 18 00 25.0	12.3N	87.9W	0	3.1b		**¶97i2508**
NEIC	Poor solution.						
EIDC	**I 28 19 26 52.0**	**12.4N**	**88.0W**	**66**	**3.5b**		**22-149**
							¶97i4249
ISC	**II 03 15 55 58.2**±.67	**11.6N**±.14	**86.4W**±.15	**33**	**4.3b**	**39**	**24-150**
EIDC	II 03 15 55 54.4	11.6N	86.4W	0	4.4b		**¶97ii0400**
NEIC	II 03 15 55 57.6	11.51N	86.45W	33	4.2b		
BJI	II 03 15 55 59.6	11.50N	86.40W	33			
NEIC	Less reliable solution.						
ISC	**II 03 18 22 08**±1.1	**11.6N**±.19	**86.5W**±.22	**150**	**4.0b**	**18**	**24-150**
EIDC	II 03 18 21 53.0	11.6N	86.5W	0	4.2b		**¶97ii0409**
NEIC	II 03 18 21 56.3	11.80N	86.18W	33	4.0b		
NEIC	Less reliable solution.						
ISC	**II 11 03 58 30**±2.6	**11.8N**±.11	**86.6W**±.13	**52**±25	**4.5b**	**60**	**6-150**
EIDC	II 11 03 58 23.8	11.7N	86.7W	0	4.5b		**¶97ii1581**
BJI	II 11 03 58 27.5	11.80N	86.60W	33			
NEIC	II 11 03 58 27.5	11.78N	86.58W	33	4.6b		
NEIC	Less reliable solution.						
ISC	**II 19 10 55 12.7**±.69	**11.9N**±.14	**86.7W**±.20	**100**	**3.8b**	**16**	**23-149**
EIDC	II 19 10 55 08.4	12.0N	86.6W	38	3.6b		**¶97ii2771**
NEIC	II 19 10 55 12.6	11.86N	86.73W	100	3.9b		
NEIC	Less reliable solution.						
ISC	**II 24 03 46 16.7**±.86	**11.1N**±.14	**86.9W**±.20	**100**	**3.7b**	**12**	**22-78**
EIDC	II 24 03 46 06.6	11.1N	86.8W	0	3.7b		**¶97ii3417**
NEIC	II 24 03 46 16.7	11.11N	86.86W	100	3.9b		
NEIC	Less reliable solution.						
ISC	**II 26 01 14 13.7**±.82	**12.5N**±.15	**87.2W**±.25	**200**	**3.3b**	**13**	**23-149**
EIDC	II 26 01 14 06.4	12.5N	87.2W	110	3.3b		**¶97ii3724**
NEIC	II 26 01 14 08.7	12.53N	87.03W	150			
NEIC	Less reliable solution.						
EIDC	**II 26 10 13 14.8**	**11.7N**	**86.1W**	**20**	**3.1b**		**24-67**
							¶97ii3777
ISC	**III 05 11 31 12**±6.2	**11.6N**±.18	**87.2W**±.14	**101**±55	**4.2b**	**32**	**22-139**
EIDC	III 05 11 31 01.8	11.6N	87.2W	0	4.2b,3.9s		**¶97iii1049**
NEIC	III 05 11 31 07.0	11.59N	87.24W	50	4.4b		
NEIC	Less reliable solution.						
EIDC	**III 12 06 48 13.0**	**12.4N**	**87.7W**	**0**	3.2b		**22-149**
							¶97iii2489
ISC	**III 17 11 42 16**±5.4	**11.3N**±.65	**87.9W**±.30	**33**	**3.9b**	**9**	**23-64**
NEIC	III 17 11 42 15.4	11.32N	87.89W	33	4.1b		**¶97iii3373**
EIDC	III 17 11 42 18.3	12.1N	87.8W	0	3.9b		
NEIC	Poor solution.						
ISC	**III 23 01 05 08**±1.4	**11.1N**±.22	**86.1W**±.23	**37**±1.9*	**3.9b**	**14**	**24-150**
NEIC	III 23 01 05 08.0	11.16N	86.08W	33	4.0b		**¶97iii4355**
EIDC	III 23 01 05 10.8	11.3N	86.1W	38	3.6b,3.1s		
NEIC	Poor solution.						
EIDC	**III 30 12 24 24.0**	**12.6N**	**87.4W**	**0**	**3.1b**		**22-139**
							¶97iii5757
ISC	**IV 04 06 49 47.8**±.59	**11.83N**±.059	**86.61W**±.048	**145**±6.5	**4.5b**	**154**	**5-153**
BJI	IV 04 06 49 43.3	12.00N	86.40W	94			**¶97iv0560**
NEIC	IV 04 06 49 43.3	12.02N	86.40W	94	4.7b		
EIDC	IV 04 06 49 46.8	12.1N	86.3W	111	4.4b,3.5s		
MOS	IV 04 06 49 50.2	11.9N	86.7W	155	5.1b		
NEIC	MD5.1(UPA)						
NEIC	Felt at Managua.						
ISC	**IV 04 12 18 40**±1.3	**11.8N**±.23	**86.8W**±.22	**33**	**3.9b**	**18**	**23-149**
NEIC	IV 04 12 18 41.5	12.05N	86.66W	33	4.0b		**¶97iv0612**
EIDC	IV 04 12 18 43.6	12.3N	86.5W	33	3.7b		
NEIC	Poor solution.						
ISC	**IV 05 09 32 02**±1.2	**11.8N**±.18	**87.8W**±.35	**33**	**3.8b**	**7**	**23-55**
EIDC	IV 05 09 31 59.3	11.8N	87.8W	0	3.7b		**¶97iv0743**
NEIC	IV 05 09 32 02.0	11.83N	87.83W	33	3.9b		
NEIC	Poor solution.						
ISC	**IV 06 14 20 33.6**±.73	**12.3N**±.12	**88.0W**±.18	**33**	**4.3b,3.5s**	**24**	**21-149**
NEIC	IV 06 14 20 33.8	12.32N	87.89W	33	4.4b		**¶97iv1008**
EIDC	IV 06 14 20 35.4	12.4N	87.9W	28	4.0b,3.5s		
NEIC	Less reliable solution.						
ISC	**IV 07 04 27 24.8**±.64	**11.42N**±.048	**86.50W**±.040	**89**±7.0	**4.9b**	**241**	**5-167**
NEIC	IV 07 04 27 19.2	11.43N	86.61W	33	5.2b,5.0s		**¶97iv1100**
MOS	IV 07 04 27 19.7	11.4N	86.6W	33	5.3b		
BJI	IV 07 04 27 20.0	11.64N	86.70W	43	5.7s		
HRVD	IV 07 04 27 24.9±.2	11.26N±.02	86.93W±.03	30			
EIDC	IV 07 04 27 27.8	11.5N	86.4W	103	4.5b,4.7s		
NEIC	Mw5.6(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.43±.04; $M_{\theta\theta}$−1.10±.05; $M_{\phi\phi}$−0.33±.06; $M_{r\theta}$1.34±.11; $M_{r\phi}$−1.18±.10; $M_{\theta\phi}$0.93±.04. Principal Axes: T 2.25,Plg65°,Azm50°; N 0.27, Plg5°,Azm308°; P −2.52,Plg24°,Azm216°. Best double couple: $M_0$2.4×10^{17}Nm, NP1: ϕ_s295°,δ21°,λ75°. NP2:ϕ_s130°,δ69°,λ96°.						
ISC	**IV 08 03 04 20**±3.0	**11.44N**±.086	**86.4W**±.11	**77**±29	**4.2b**	**57**	**14-151**
NEIC	IV 08 03 04 15.0	11.47N	86.35W	33	4.2b		**¶97iv1265**
EIDC	IV 08 03 04 17.1	11.6N	86.3W	34	4.0b,3.7s		
ISC	**IV 23 14 20 30**±1.6	**11.6N**±.40	**87.9W**±.67	**33**	**3.5b**	**5**	**23-149**
EIDC	IV 23 14 20 26.1	11.4N	88.2W	0	3.5b		**¶97iv3973**
ISC	Poorly determined						
ISC	**IV 27 04 01 54**±3.3	**11.31N**±.085	**86.89W**±.093	**69**±31	**4.2b**	**52**	**14-150**
EIDC	IV 27 04 01 47.5	11.5N	86.7W	0	4.2b,3.9s		**¶97iv4657**
NEIC	IV 27 04 01 50.3	11.29N	86.86W	33	4.5b		
ISC	**IV 27 19 53 17**±3.2	**11.2N**±.42	**86.1W**±.24	**100**	**3.7b**	**12**	**24-150**
NEIC	IV 27 19 53 16.0	11.10N	86.19W	100	4.0b		**¶97iv4784**
EIDC	IV 27 19 54 12.0	13.4N	86.7W	550	2.8b		
NEIC	Poor solution.						
EIDC	**V 01 04 04 43.9**	**11.8N**	**86.9W**	**0**	**3.4b**		**23-54**
							¶97v0027
ISC	**V 08 00 56 38**±5.5	**11.9N**±.15	**87.7W**±.18	**171**±55	**3.9b**	**17**	**22-87**
EIDC	V 08 00 56 21.1	12.1N	87.4W	0	3.9b		**¶97v1162**
NEIC	V 08 00 56 35.5	11.91N	87.70W	150	4.1b		
NEIC	Less reliable solution.						
ISC	**V 08 14 01 15.6**±.69	**12.19N**±.051	**87.30W**±.046	**113**±7.1	**5.2b**	**252**	**6-162**
HRVD	V 08 14 01 10.2±.5	11.69N±.04	87.73W±.04	44±3.0			**¶97v1254**
NEIC	V 08 14 01 10.2	12.27N	87.20W	59	5.3b		
BJI	V 08 14 01 10.8	12.43N	87.58W	48	6.2s		
EIDC	V 08 14 01 15.7	12.3N	87.3W	94	5.0b,5.0s		
MOS	V 08 14 01 21.2	12.3N	87.5W	157	5.7b		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c50; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}2.12±.10; $M_{\theta\theta}$−2.64±.16; $M_{\phi\phi}$0.52±.22; $M_{r\theta}$1.30±.20; $M_{r\phi}$−0.73±.18; $M_{\theta\phi}$1.30±.10. Principal Axes: T 2.54,Plg73°,Azm51°; N 0.95, Plg8°,Azm293°; P −3.49,Plg15°,Azm201°. Best double couple: $M_0$3.0×10^{17}Nm, NP1: ϕ_s279°,δ31°,λ74°. NP2:ϕ_s118°,δ60°,λ100°.						
NEIC	Mw5.6(HRV).						
ISC	**V 10 11 35 38**±6.1	**12.4N**±.20	**87.5W**±.15	**187**±57	**4.0b**	**32**	**23-149**
EIDC	V 10 11 35 17.0	12.2N	87.4W	0	4.1b		**¶97v1591**
NEIC	V 10 11 35 20.5	12.14N	87.51W	33	4.4b		
NEIC	Less reliable solution.						
ISC	**V 10 12 10 13.1**±.71	**11.2N**±.15	**86.2W**±.18	**150**	**4.1b**	**35**	**21-150**
NEIC	V 10 12 10 01.0	11.17N	86.27W	33	4.3b		**¶97v1595**
EIDC	V 10 12 10 04.5	11.5N	85.9W	46	4.0b		
NEIC	Less reliable solution.						
ISC	**V 16 02 59 44**±4.2	**11.4N**±.65	**87.1W**±.47	**33**	**3.8b**	**7**	**24-87**
EIDC	V 16 02 59 45.6	12.4N	86.5W	0	3.5b		**¶97v2716**
ISC	**V 22 07 35 14**±1.3	**12.0N**±.19	**87.8W**±.20	**33**	**4.2b**	**18**	**22-149**
EIDC	V 22 07 35 09.7	11.9N	87.8W	0	4.1b		**¶97v3729**
NEIC	V 22 07 35 12.6	11.84N	87.91W	33	4.6b		
NEIC	Poor solution.						
ISC	**V 25 09 32 51**±4.8	**12.8N**±.27	**87.3W**±.28	**62**±50	**3.6b**	**9**	**15-77**
EIDC	V 25 09 32 44.5	12.9N	87.3W	0	3.5b,4.7L		**¶97v4252**
NEIC	V 25 09 32 47.5	12.79N	87.38W	33	3.9b		
NEIC	Poor solution.						
ISC	**V 30 23 24 20**±4.8	**12.6N**±.11	**87.7W**±.15	**178**±48	**3.9b**	**26**	**21-148**
NEIC	V 30 23 24 11.5	12.60N	87.72W	100	4.4b		**¶97v5112**
EIDC	V 30 23 24 12.0	12.7N	87.6W	83	3.7b,3.8s		
NEIC	Less reliable solution.						
ISC	**V 31 12 35 37.3**±.89	**11.5N**±.16	**86.4W**±.18	**100**	**4.0b**	**20**	**24-150**
EIDC	V 31 12 35 27.2	11.5N	86.3W	0	4.1b		**¶97v5190**
NEIC	V 31 12 35 38.0	11.63N	86.31W	100	4.3b		
NEIC	Less reliable solution.						
ISC	**VI 04 07 05 28**±1.5	**11.3N**±.27	**86.4W**±.30	**33**	**3.8b**	**10**	**24-67**
EIDC	VI 04 07 05 25.1	11.3N	86.5W	0	3.8b		**¶97vi0570**
ISC	**VI 05 20 30 46**±6.0	**11.5N**±.78	**87.9W**±.34	**33**	**4.1b**	**10**	**23-149**
EIDC	VI 05 20 30 52.0	12.7N	87.8W	0	4.0b		**¶97vi0827**
ISC	**VI 10 03 35 46**±4.7	**11.2N**±.56	**87.3W**±.24	**33**	**4.1b**	**15**	**22-67**
EIDC	VI 10 03 35 43.4	11.4N	87.4W	0	4.1b		**¶97vi1473**
NEIC	VI 10 03 35 44.9	11.17N	87.35W	33	4.2b		
NEIC	Poor solution.						
EIDC	**VI 13 14 41 28.3**	**11.9N**	**86.3W**	**0**	3.3b		**23-149**
							¶97vi2007
ISC	**VI 24 04 35 48.8**±.91	**11.5N**±.12	**87.1W**±.14	**33**	**4.2b**,4.0s	**31**	**22-150**
NEIC	VI 24 04 35 48.7	11.54N	87.05W	33	4.2b		**¶97vi3637**
EIDC	VI 24 04 35 53.8	11.8N	86.8W	55	3.9b,4.0s		
NEIC	Less reliable solution.						

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EIDC	**I 01 21 43 38.9**	**12.7N**	**86.3W**	**0**	**3.1b**		**23-149**
							¶97i0123
ISC	**I 07 05 47 44**±1.3	**12.3N**±.24	**85.9W**±.34	**33**	**3.5b**	**6**	**24-67**
EIDC	I 07 05 47 40.9	12.3N	86.0W	0	3.5b		**¶97i0885**
NEIC	I 07 05 47 43.7	12.32N	85.95W	33	3.1b		
NEIC	Poor solution.						
ISC	**I 31 01 43 25.7**±.77	**12.3N**±.26	**85.9W**±.39	**100**	**3.6b**	**9**	**24-141**
EIDC	I 31 01 43 22.3	12.1N	86.2W	54	3.4b		**¶97i4576**
NEIC	I 31 01 43 25.4	12.21N	85.99W	100	3.6b		
NEIC	Poor solution.						

ISC	**II**	**19 10 19 54**±1.2	**12.5N**±.28	**86.4W**±.37	**37**±1.3*	**3.5b**	**7**	**23-149**
EIDC	II	19 10 19 55.8	12.3N	86.7W	43	3.3b		¶97ii2767
ISC	**II**	**28 05 35 28**±1.2	**12.1N**±.33	**86.2W**±.54	**100**	**3.5b**	**7**	**24-149**
EIDC	II	28 05 35 17.8	12.1N	86.3W	0	3.5b		¶97ii4143
NEIC	II	28 05 35 27.6	11.98N	86.42W	100	3.5b		
NEIC	Poor solution.							
ISC	**III**	**09 13 43 19.4**±.72	**11.3N**±.22	**85.4W**±.33	**33**	**3.7b**	**12**	**24-122**
EIDC	III	09 13 43 16.3	11.6N	85.0W	0	3.7b		¶97iii1981
NEIC	III	09 13 43 19.3	11.24N	85.43W	33	3.7b		
NEIC	Poor solution.							
ISC	**III**	**14 11 27 12**±1.1	**13.5N**±.41	**85.3W**±.59	**33**	**3.5b**	**9**	**23-66**
EIDC	III	14 11 27 09.7	13.4N	85.4W	0	3.4b		¶97iii2862
ISC	**III**	**23 06 07 15**±1.3	**12.1N**±.48	**86.2W**±.76	**33**	**3.5b**	**7**	**24-149**
EIDC	III	23 06 07 12.2	11.8N	86.7W	0	3.5b		¶97iii4405
ISC	**III**	**26 10 36 43.3**±.79	**11.1N**±.12	**85.9W**±.17	**33**	**4.1b**	**26**	**23-150**
EIDC	III	26 10 36 40.1	11.2N	85.9W	0	4.1b		¶97iii4932
NEIC	III	26 10 36 43.1	11.11N	85.99W	33	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**31 14 36 34.7**±.81	**11.0N**±.22	**84.8W**±.33	**33**	**4.2b**	**17**	**25-150**
EIDC	III	31 14 36 31.4	11.3N	84.6W	0	4.2b,3.6s		¶97iii5895
NEIC	III	31 14 36 34.4	10.97N	84.89W	33	4.2b		
NEIC	Poor solution.							
NEIC	**IV**	**04 17 06 20.6**	**12.56N**	**86.51W**	**100**			**23-149**
EIDC	IV	04 17 06 08.9	12.4N	86.4W	0	3.8b		¶97iv0636
NEIC	Poor solution.							
ISC	**IV**	**07 04 38 19**±1.0	**11.8N**±.21	**85.9W**±.30	**46**±2.8*	**3.9b**	**11**	**24-141**
NEIC	IV	07 04 38 17.4	11.66N	86.04W	33	4.3b		¶97iv1102
EIDC	IV	07 04 38 20.7	11.8N	85.9W	44	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**26 09 15 18.9**±.45	**12.48N**±.048	**86.78W**±.034	**217**±5.5	**4.8b**	**286**	**4-153**
BJI	IV	26 09 15 15.2	12.60N	86.70W	178			¶97iv4510
NEIC	IV	26 09 15 15.2	12.53N	86.67W	178	4.8b		
EIDC	IV	26 09 15 17.3	12.7N	86.5W	183	4.5b		
MOS	IV	26 09 15 23.1	12.5N	87.0W	260	5.3b		
ISC	**IV**	**30 10 21 03.2**±.90	**14.5N**±.15	**83.5W**±.15	**33**	**4.2b**	**28**	**21-147**
EIDC	IV	30 10 20 59.7	14.5N	83.6W	0	4.1b		¶97iv5202
NEIC	IV	30 10 21 02.9	14.47N	83.54W	33	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**08 04 54 37**±1.8	**11.59N**±.074	**85.88W**±.093	**289**±19	**4.2b**	**64**	**13-148**
NEIC	V	08 04 54 27.2	11.55N	85.77W	194	4.6b		¶97v1180
EIDC	V	08 04 54 28.7	11.7N	85.7W	189	4.0b		
EIDC	**V**	**21 11 23 05.7**	**13.4N**	**86.4W**	**0**	**3.6b**		**23-66**
								¶97v3556
ISC	**V**	**22 19 00 33.5**±.94	**12.5N**±.24	**86.9W**±.38	**33**	**4.0b**,3.5s	**10**	**23-149**
EIDC	V	22 19 00 29.9	12.8N	86.7W	0	3.8b,3.5s		¶97v3817
NEIC	V	22 19 00 35.4	12.42N	87.03W	50	4.2b		
NEIC	Poor solution.							
EIDC	**V**	**23 15 43 27.5**	**13.1N**	**85.6W**	**0**	**3.4b**,3.6s		**23-141**
								¶97v3967
ISC	**V**	**27 10 42 29**±5.9	**11.3N**±.68	**85.7W**±.42	**33**	**3.8b**	**10**	**24-141**
NEIC	V	27 10 42 31.4	11.65N	85.74W	33	4.3b		¶97v4555
EIDC	V	27 10 42 34.1	12.4N	86.0W	0	3.7b		
NEIC	Poor solution.							

(76) Off coast of Central America.

ISC	**I**	**04 03 36 06.5**±.66	**12.56N**±.052	**89.02W**±.048	**60**±4.9	**4.8b**,5.0s	**142**	**1-151**
NEIC	I	04 03 36 05.0	12.49N	89.05W	50	4.9b,5.0s		¶97i0472
BJI	I	04 03 36 09.0	12.50N	89.10W	50			
EIDC	I	04 03 36 09.2	12.7N	88.8W	69	4.4b		
NEIC	Felt I=II MM at San Salvador, El Salvador.							
ISC	**I**	**04 18 44 56.0**±.79	**12.69N**±.066	**88.91W**±.057	**57**±5.2	**4.9b**,4.5s	**125**	**1-151**
EIDC	I	04 18 44 47.3	12.5N	88.7W	0	4.7b		¶97i0573
NEIC	I	04 18 44 55.9	12.69N	88.88W	57	5.0b		
BJI	I	04 18 44 59.9	12.70N	88.90W	57			
NEIC	Felt I=II MM at San Salvador, El Salvador.							
ISC	**I**	**08 23 15 55**±1.3	**12.41N**±.099	**88.96W**±.083	**53**±8.3	**4.5b**	**53**	**1-151**
EIDC	I	08 23 15 46.8	12.1N	88.8W	0	4.4b		¶97i1133
NEIC	I	08 23 15 54.4	12.38N	88.91W	54	4.6b		
NEIC	M_D4.9(SSS). Less reliable solution.							
NEIC	Felt I=II MM at San Salvador, El Salvador.							
ISC	**I**	**08 23 20 52**±5.4	**12.5N**±.14	**88.9W**±.16	**133**±53	**4.4b**	**34**	**19-151**
NEIC	I	08 23 20 41.6	12.42N	88.84W	33	4.7b		¶97i1135
EIDC	I	08 23 21 04.1	13.2N	89.1W	188	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**15 01 26 29.2**±.60	**2.90N**±.092	**84.3W**±.13	**33**	**4.8b**,4.6s	**83**	**17-159**
EIDC	I	15 01 26 23.1	2.5N	84.2W	0	4.4b		¶97i2081
HRVD	I	15 01 26 28.3±1.4	2.85N±.08	83.91W±.14	15			
NEIC	I	15 01 26 28.6	2.83N	84.35W	33	5.0b,4.6s		
BJI	I	15 01 26 28.9	2.61N	84.54W	47			
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c17; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.63±.65; $M_{\theta\theta}$4.85±.51; $M_{\phi\phi}$−2.22±1.01; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$0.20±.50. Principal Axes: T 4.86,Plg0°,Azm178°; N −2.23, Plg0°,Azm88°; P −2.63,Plg90°,Azm180°. Best double couple: $M_0$3.7×10^{16}Nm, NP1:ϕ_s268°, δ45°,λ−90°. NP2:ϕ_s88°,δ45°,λ−90°.							
NEIC	Mw5.0(HRV).							
ISC	**I**	**15 01 29 18**±1.0	**3.5N**±.20	**84.1W**±.35	**10**	**4.1b,4.2s**	**13**	**17-145**
EIDC	I	15 01 29 18.4	3.6N	84.0W	0	4.1b,4.0s		¶97i2082
NEIC	I	15 01 29 21.1	3.53N	84.02W	33	3.5b		
NEIC	Poor solution.							
ISC	**I**	**16 20 18 55.8**±.91	**3.4N**±.33	**84.0W**±.49	**10**	**4.3b**	**19**	**25-158**
EIDC	I	16 20 18 53.2	3.0N	84.0W	0	4.2b		¶97i2353
NEIC	I	16 20 18 54.8	3.08N	84.30W	10	3.8b		
NEIC	Poor solution.							
EIDC	**I**	**23 01 09 20.0**	**12.6N**	**91.0W**	**0**	**3.2b**		**3-64**
								¶97i3416
ISC	**I**	**23 10 24 55**±8.8	**12.9N**±.81	**89.8W**±.36	**72**±40	**3.5b**	**12**	**1-65**
EIDC	I	23 10 24 39.8	12.0N	88.9W	0	3.6b		¶97i3486
NEIC	I	23 10 24 54.5	12.89N	89.82W	71			
NEIC	M_D3.5(SSS). Poor solution.							
NEIC	Felt I=III MM at San Salvador, El Salvador.							
EIDC	**I**	**29 13 57 39.3**	**8.4N**	**89.8W**	**0**	**3.2b**		**25-57**
								¶97i4359
EIDC	**II**	**08 21 49 34.9**	**4.3N**	**87.6W**	**0**	**3.7b**,4.0s		**28-61**
								¶97ii1214
ISC	**II**	**10 06 09 40**±1.5	**10.1N**±.26	**89.5W**±.41	**33**	**3.5b**	**5**	**23-55**
EIDC	II	10 06 09 36.7	10.0N	89.7W	0	3.6b		¶97ii1421
NEIC	II	10 06 09 39.7	9.99N	89.55W	33	3.4b		
NEIC	Poor solution.							
ISC	**II**	**11 08 36 18**±4.6	**13.0N**±.57	**90.8W**±.27	**100**	**3.6b**	**11**	**2-147**
NEIC	II	11 08 36 41.1	14.68N	91.06W	200			¶97ii1606
EIDC	II	11 08 36 44.4	14.8N	90.9W	211	3.1b		
NEIC	Poor solution.							
ISC	**II**	**14 13 57 01.5**±.76	**4.1N**±.18	**84.2W**±.27	**33**	**3.9b**	**13**	**18-80**
EIDC	II	14 13 56 57.5	4.1N	84.4W	0	3.9b		¶97ii2060
NEIC	II	14 13 57 01.3	4.08N	84.23W	33	4.1b		
NEIC	Poor solution.							
ISC	**II**	**15 09 07 10**±1.5	**2.9N**±.64	**84.7W**±.90	**10**	**4.0b**	**11**	**25-76**
EIDC	II	15 09 07 08.7	2.6N	85.3W	0	3.9b		¶97ii2200
EIDC	**II**	**15 09 42 04.4**	**3.4N**	**84.3W**	**0**	**3.7b**		**25-158**
								¶97ii2208
ISC	**II**	**21 19 01 09**±5.5	**11.6N**±.70	**88.3W**±.30	**33**	**3.8b**	**8**	**23-66**
EIDC	II	21 19 01 06.4	11.7N	88.4W	0	3.8b		¶97ii3108
NEIC	II	21 19 01 08.7	11.65N	88.37W	33	4.0b		
NEIC	Poor solution.							
ISC	**II**	**27 17 44 52**±6.7	**12.7N**±.85	**88.0W**±.32	**100**	**3.9b**	**8**	**22-66**
EIDC	II	27 17 44 40.3	12.5N	87.8W	0	4.0b		¶97ii3989
NEIC	II	27 17 44 52.5	12.75N	88.06W	100	3.7b		
NEIC	Poor solution.							
ISC	**III**	**06 11 57 44**±4.5	**12.7N**±.58	**89.7W**±.29	**100**	**4.0b**	**13**	**3-148**
NEIC	III	06 11 57 52.9	13.99N	89.66W	100	4.0b		¶97iii1265
EIDC	III	06 11 58 10.4	14.4N	89.9W	226	3.7b		
NEIC	Poor solution.							
EIDC	**III**	**10 14 10 06.1**	**6.4N**	**83.6W**	**0**	**3.7b**		**30-140**
								¶97iii2223
ISC	**III**	**13 16 49 07**±1.6	**12.1N**±.15	**88.5W**±.17	**33**	**4.1b**	**21**	**1-149**
NEIC	III	13 16 49 07.1	12.09N	88.56W	33			¶97iii2737
EIDC	III	13 16 49 42.9	13.9N	88.9W	242	3.5b		
NEIC	M_D3.8(SSS). Less reliable solution.							
NEIC	Felt I=II MM at San Salvador, El Salvador.							
ISC	**III**	**13 21 34 44**±1.0	**12.56N**±.076	**89.11W**±.085	**56**±6.9	**4.5b**,4.1s	**67**	**1-148**
EIDC	III	13 21 34 38.2	12.7N	88.8W	0	4.4b,4.2s		¶97iii2773
BJI	III	13 21 34 44.3	12.60N	89.10W	59			
NEIC	III	13 21 34 44.3	12.60N	89.07W	59	4.7b		
NEIC	$M_{D4.4}$(SSS)							
NEIC	Felt I=II MM at San Salvador, El Salvador.							
ISC	**III**	**13 23 42 49**±1.1	**12.58N**±.090	**89.17W**±.091	**63**±7.6	**4.4b**	**37**	**1-148**
EIDC	III	13 23 42 42.7	12.6N	88.9W	0	4.3b		¶97iii2783
BJI	III	13 23 42 48.8	12.59N	89.18W	62	4.6b		
NEIC	M_D3.9(SSS). Less reliable solution.							
NEIC	Felt I=II MM at San Salvador, El Salvador.							
ISC	**III**	**14 05 17 30**±1.2	**12.6N**±.18	**88.9W**±.35	**33**	**3.9b**	**7**	**22-65**
EIDC	III	14 05 17 27.4	12.7N	88.8W	0	3.8b		¶97iii2816
NEIC	III	14 05 17 29.9	12.63N	88.87W	33	4.1b		
NEIC	Poor solution.							
ISC	**III**	**14 07 15 00**±1.2	**12.5N**±.18	**89.0W**±.36	**33**	**3.9b**	**7**	**22-148**
EIDC	III	14 07 14 57.1	12.7N	88.8W	0	3.8b		¶97iii2834
NEIC	III	14 07 14 59.7	12.51N	89.03W	33	4.0b		
NEIC	Poor solution.							
ISC	**III**	**23 15 23 48**±1.2	**12.9N**±.13	**88.8W**±.12	**64**±7.3	**3.9b**	**28**	**1-148**
NEIC	III	23 15 23 48.5	12.91N	88.77W	63	3.8b		¶97iii4454
EIDC	III	23 15 23 53.7	13.1N	88.6W	96	3.6b		
NEIC	M_D3.5(SSS). Less reliable solution.							
NEIC	Felt I=III MM at San Salvador, El Salvador.							
ISC	**III**	**24 23 21 50**±3.8	**12.1N**±.12	**88.4W**±.16	**48**±37	**4.4b**	**22**	**12-149**
EIDC	III	24 23 21 45.8	12.2N	88.2W	0	4.3b		¶97iii4639
NEIC	III	24 23 21 47.9	12.07N	88.41W	33	4.7b		
NEIC	Less reliable solution.							
EIDC	**III**	**25 01 34 58.1**	**12.3N**	**88.0W**	**0**	**3.2b**		**22-149**
								¶97iii4655
ISC	**III**	**26 03 13 51.3**±.91	**2.7N**±.18	**84.3W**±.24	**33**	**3.9b**	**16**	**25-138**
NEIC	III	26 03 13 50.5	2.54N	84.40W	33	4.3b		¶97iii4836
EIDC	III	26 03 13 53.0	2.4N	84.5W	49	3.7b		
NEIC	Poor solution.							
ISC	**III**	**26 08 03 38**±1.1	**4.5N**±.20	**85.5W**±.31	**33**	**3.9b**	**6**	**30-62**
NEIC	III	26 08 03 38.1	4.49N	85.54W	33			¶97iii4858
EIDC	III	26 08 03 44.6	4.5N	85.5W	73	3.6b		
NEIC	Poor solution.							
EIDC	**III**	**27 05 02 16.1**	**10.6N**	**89.5W**	**0**	**3.2b**		**23-55**
								¶97iii5145
ISC	**III**	**28 03 14 31**±2.0	**12.4N**±.21	**89.9W**±.19	**33**	**3.9b**	**19**	**1-148**
NEIC	III	28 03 14 37.8	12.88N	89.67W	33			¶97iii5351
EIDC	III	28 03 15 02.9	14.0N	89.5W	219	3.4b		
NEIC	Felt I=III MM San Salvador, El Salvador, poor solution							
EIDC	**IV**	**06 07 25 22.0**	**11.2N**	**88.7W**	**0**	**3.7b**		**23-54**
								¶97iv0961
EIDC	**IV**	**19 02 00 10.9**	**3.3N**	**83.8W**	**0**	**3.6b,3.8s**		**25-76**
								¶97iv3139
EIDC	**IV**	**19 10 17 29.0**	**12.1N**	**92.1W**	**0**	**3.5b**		**20-64**
								¶97iv3189
ISC	**IV**	**26 16 30 55**±6.9	**13.0N**±.51	**90.4W**±.24	**75**±35	**3.8b**	**20**	**7-147**
NEIC	IV	26 16 30 47.1	12.56N	90.18W	33	4.1b		¶97iv4578
EIDC	IV	26 16 30 50.2	13.5N	89.9W	0	3.7b,3.6s		
NEIC	Poor solution.							
EIDC	**IV**	**27 21 00 27.5**	**10.9N**	**88.8W**	**0**	**3.5b**		**23-67**
								¶97iv4793
ISC	**V**	**04 06 37 24**±1.5	**11.1N**±.25	**88.2W**±.41	**33**	**3.6b**	**5**	**23-55**
EIDC	V	04 06 37 20.4	11.1N	88.3W	0	3.5b		¶97v0577
NEIC	V	04 06 37 23.1	11.06N	88.25W	33	3.8b		
NEIC	Poor solution.							
EIDC	**V**	**14 13 08 16.0**	**11.1N**	**88.9W**	**0**	**3.4b**		**23-55**
								¶97v2453
ISC	**V**	**17 19 51 54**±3.0	**12.8N**±.43	**90.8W**±.21	**33**	**3.7b**	**10**	**20-88**
EIDC	V	17 19 51 50.5	12.7N	90.6W	0	3.7b		¶97v2980
NEIC	V	17 19 51 53.8	12.80N	90.77W	33	4.4b		
NEIC	Poor solution.							
EIDC	**V**	**23 03 22 23.7**	**13.0N**	**90.7W**	**22**	**3.5b**		**20-64**
								¶97v3878
ISC	**V**	**24 04 33 37**±3.6	**2.5N**±.10	**84.5W**±.15	**79**±34	**4.3b**	**34**	**10-159**
EIDC	V	24 04 33 27.7	2.2N	84.8W	0	4.3b,4.0s		¶97v4050
NEIC	V	24 04 33 31.6	2.40N	84.64W	33	4.5b,4.0s		
NEIC	Less reliable solution.							
ISC	**V**	**24 04 58 37**±4.2	**2.4N**±.15	**84.5W**±.17	**61**±39	**4.1b**	**26**	**10-159**
EIDC	V	24 04 58 30.2	2.4N	84.7W	0	4.2b,3.6s		¶97v4055
NEIC	V	24 04 58 33.4	2.36N	84.57W	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**27 15 42 42.8**±.58	**12.66N**±.091	**88.2W**±.13	**67**±1.6*	**4.0b**	**32**	**21-148**
NEIC	V	27 15 42 43.0	12.69N	88.16W	68	4.3b,3.5s		¶97v4589
EIDC	V	27 15 42 44.7	12.8N	88.0W	66	3.8b,3.6s		
NEIC	Less reliable solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**V**	**29 14 57 58.5**	**12.7N**	**89.3W**	**0**	3.3b		**21-148**
								¶97v4882
ISC	**VI**	**05 16 14 34.0**±.90	**3.4N**±.15	**84.0W**±.11	**33**	**4.3b,4.2s**	**47**	**10-139**
EIDC	VI	05 16 14 30.7	3.3N	84.2W	0	4.2b,4.1s		**¶97vi0800**
NEIC	VI	05 16 14 33.8	3.42N	83.98W	33	4.5b,4.2s		
ISC	**VI**	**23 18 29 04**±1.7	**12.6N**±.16	**89.2W**±.15	**57**±2.0*	**4.1b**	**26**	**1-148**
NEIC	VI	23 18 29 06.1	12.74N	89.24W	57	4.3b		**¶97vi3572**
EIDC	VI	23 18 29 08.9	13.3N	88.5W	57	3.7b		
NEIC	M_D4.1(SSS). Less reliable solution.							
NEIC	Felt I=III MM at San Salvador, El Salvador.							

(77) Off coast of Costa Rica.

ISC	**I**	**08 18 02 04**±4.6	**10.3N**±.56	**86.2W**±.28	**33**	**4.3b**	**24**	**25-152**
NEIC	I	08 18 02 09.7	10.98N	86.45W	33	4.6b		**¶97i1095**
EIDC	I	08 18 02 53.4	12.9N	87.1W	317	3.6b		
NEIC	Poor solution.							
EIDC	**I**	**26 07 14 40.0**	**9.7N**	**85.9W**	**0**	**3.2b**		**26-69**
								¶97i3904
ISC	**III**	**09 20 26 43**±1.8	**9.0N**±.47	**87.7W**±.77	**33**	**3.6b**	**4**	**25-57**
EIDC	III	09 20 26 39.5	8.9N	87.9W	0	3.7b		**¶97iii2078**
ISC	Poorly determined							
EIDC	**III**	**22 04 46 33.2**	**9.2N**	**87.0W**	**0**	**3.4b**		**25-69**
								¶97iii4201
ISC	**III**	**26 12 57 01**±5.7	**10.9N**±.74	**86.0W**±.32	**100**	**3.6b**	**12**	**24-150**
EIDC	III	26 12 56 53.5	11.3N	86.2W	0	3.5b		**¶97iii4967**
NEIC	III	26 12 57 04.6	11.42N	86.14W	100	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**27 04 08 24**±1.9	**11.0N**±.27	**86.5W**±.20	**33**	**4.0b**	**13**	**24-81**
EIDC	IV	27 04 08 19.8	10.7N	86.6W	0	4.0b		**¶97iv4660**
NEIC	IV	27 04 08 24.0	10.97N	86.51W	33	4.2b		
NEIC	Poor solution.							
ISC	**IV**	**28 08 30 02**±2.4	**8.9N**±.11	**84.2W**±.19	**59**±21	**4.0b**	**17**	**2-141**
EIDC	IV	28 08 29 58.9	9.0N	84.0W	16	3.9b,3.2s		**¶97iv4879**
NEIC	IV	28 08 29 59.2	8.94N	84.15W	33	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**08 14 54 40**±5.0	**10.8N**±.60	**87.4W**±.30	**33**	**4.1b**	**10**	**23-150**
EIDC	V	08 14 54 38.2	11.0N	87.3W	0	4.0b		**¶97v1266**
NEIC	V	08 14 54 39.4	10.78N	87.39W	33	4.3b		
NEIC	Poor solution.							
ISC	**V**	**12 19 32 01**±7.0	**10.8N**±.92	**87.8W**±.40	**33**	**3.7b**	**6**	**24-150**
NEIC	V	12 19 32 00.4	10.74N	87.77W	33	4.3b		**¶97v2031**
EIDC	V	12 19 32 02.8	11.4N	87.8W	0	3.6b		
NEIC	Poor solution.							
ISC	**V**	**31 12 48 14**±4.6	**10.5N**±.56	**86.3W**±.26	**33**	**4.0b,4.1s**	**18**	**21-151**
BJI	V	31 12 48 10.3	10.40N	86.40W	33			**¶97v5192**
NEIC	V	31 12 48 13.3	10.42N	86.36W	33	4.5b		
EIDC	V	31 12 48 18.2	11.6N	86.2W	0	3.9b,3.7s		
NEIC	Poor solution.							
EIDC	**VI**	**01 16 13 59.3**	**9.7N**	**86.1W**	**0**	**3.6b**		**25-69**
								¶97vi0111
EIDC	**VI**	**06 22 29 11.0**	**10.2N**	**86.8W**	**0**	**3.4b**		**25-68**
								¶97vi1005
ISC	**VI**	**17 09 47 12.7**±.78	**10.9N**±.19	**86.3W**±.30	**33**	**4.1b**	**14**	**24-68**
EIDC	VI	17 09 47 09.2	10.8N	86.6W	0	3.9b		**¶97vi2593**
NEIC	VI	17 09 47 12.3	10.79N	86.38W	33	4.1b		
NEIC	Poor solution.							

(78) Costa Rica.

ISC	**I**	**09 00 14 38.2**±.99	**9.6N**±.17	**84.1W**±.12	**10**	**3.4b**	**18**	**2-152**
NEIC	I	09 00 14 38.1	9.58N	84.12W	10	3.7b		**¶97i1146**
EIDC	I	09 00 14 39.5	9.8N	84.0W	0	3.6b		
NEIC	Less reliable solution.							
ISC	**I**	**12 12 01 27.4**±.89	**9.1N**±.10	**83.18W**±.099	**10**	**3.8b**	**18**	**1-142**
NEIC	I	12 12 01 27.2	9.04N	83.20W	10			**¶97i1675**
EIDC	I	12 12 01 30.3	9.0N	85.1W	0	3.8b		
NEIC	M_D4.4(UPA).							
ISC	**I**	**15 01 03 36.7**±.76	**8.98N**±.099	**83.14W**±.089	**20**	**3.5b**,3.6s	**16**	**1-142**
EIDC	I	15 01 03 35.4	9.3N	82.6W	0	3.8b,3.5s		**¶97i2077**
NEIC	I	15 01 03 36.8	9.00N	83.12W	20	3.9b		
NEIC	M_D4.5(UPA).							
ISC	**I**	**21 00 11 35**±1.8	**10.0N**±.41	**84.3W**±.57	**33**	**3.9b**	**4**	**39-79**
EIDC	I	21 00 11 31.9	10.1N	84.2W	0	3.9b		**¶97i3107**
ISC	Poorly determined							
ISC	**I**	**28 10 44 17.8**±.80	**10.6N**±.15	**85.0W**±.18	**200**	**3.7b**	**17**	**25-141**
NEIC	I	28 10 44 17.6	10.65N	85.01W	200	3.7b		**¶97i4201**
EIDC	I	28 10 44 18.9	10.6N	84.9W	192	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**31 09 55 24**±3.2	**10.96N**±.099	**84.8W**±.13	**189**±34	**4.4b**	**81**	**13-152**
NEIC	I	31 09 55 20.0	10.97N	84.78W	155	4.6b		**¶97i4610**
EIDC	I	31 09 55 22.2	11.0N	85.0W	163	4.0b		
ISC	**II**	**03 19 15 08**±1.6	**8.9N**±.13	**83.1W**±.14	**33**	3.4b	**7**	**1-58**
								¶97ii0414
EIDC	**II**	**04 05 34 43.3**	**10.1N**	**85.9W**	**0**	**3.6b**		**25-69**
								¶97ii0468
ISC	**II**	**12 00 46 11**±1.3	**8.3N**±.12	**83.04W**±.083	**27**±8.8	**4.0b**	**21**	**0-153**
NEIC	II	12 00 46 10.7	8.52N	83.05W	14	3.9b		**¶97ii1691**
EIDC	II	12 00 46 17.6	8.8N	82.5W	46	3.8b		
NEIC	M_D4.4(UPA), Less reliable solution.							
NEIC	**III**	**06 19 12 38.7**	**10.06N**	**84.99W**	**33**	3.3b		**26-141**
EIDC	III	06 19 13 22.3	12.0N	85.6W	303	3.3b		**¶97iii1335**
NEIC	Poor solution.							
ISC	**III**	**09 13 28 42.0**±.58	**10.60N**±.094	**86.0W**±.14	**33**	**4.3b**	**28**	**21-148**
NEIC	III	09 13 28 41.7	10.58N	86.00W	33	4.7b		**¶97iii1977**
EIDC	III	09 13 28 41.9	11.2N	85.2W	19	4.0b		
NEIC	Less reliable solution.							
EIDC	**III**	**11 06 03 57.7**	**10.1N**	**85.2W**	**0**	**3.2b**		**26-69**
								¶97iii2317
ISC	**IV**	**18 07 27 18**±2.0	**8.6N**±.13	**83.03W**±.090	**6**±14	**3.6b**	**15**	**0-153**
EIDC	IV	18 07 27 10.4	7.7N	81.9W	0	3.6b		**¶97iv3033**
NEIC	IV	18 07 27 18.5	8.56N	83.01W	10			
NEIC	M_D4.5(UPA).							
ISC	**IV**	**30 17 32 11**±1.2	**10.1N**±.41	**85.0W**±.56	**33**	**3.5b**,3.4s	**8**	**26-141**
NEIC	IV	30 17 32 10.9	10.23N	84.92W	33			**¶97iv5237**
EIDC	IV	30 17 32 11.0	10.1N	85.1W	19	3.5b,3.4s		
NEIC	Poor solution.							
ISC	**V**	**01 08 32 18**±7.5	**8.5N**±.83	**83.0W**±.76	**33**	**3.6b**	**6**	**25-71**
EIDC	V	01 08 32 14.6	8.3N	83.3W	0	3.5b		**¶97v0064**
ISC	**V**	**13 12 34 23**±6.2	**10.1N**±.80	**85.0W**±.60	**33**	**3.9b**	**9**	**26-151**
EIDC	V	13 12 34 25.9	10.9N	85.1W	0	3.7b		**¶97v2251**
ISC	**VI**	**11 05 59 52**±9.1	**8.5N**±.34	**83.0W**±.61	**19**±19		**7**	**0-3**
NEIC	VI	11 05 59 48.8	8.63N	83.16W	5			**¶97vi1626**
NEIC	Poor solution.							
ISC	**VI**	**23 01 03 47.1**±.50	**10.55N**±.039	**83.39W**±.033	**34**±6.0	**5.0b,4.5s**	**224**	**0-154**
EIDC	VI	23 01 03 43.4	10.6N	83.4W	0	4.9b,4.1s		**¶97vi3468**
BJI	VI	23 01 03 45.5	10.60N	83.40W	22	5.4s		
NEIC	VI	23 01 03 45.5	10.59N	83.37W	22	5.2b,4.4s		
MOS	VI	23 01 03 47.2	10.5N	83.7W	33	5.4b,4.5s		
HRVD	VI	23 01 03 51.8±.3	10.84N±.05	83.33W±.06	15±2.3			
NEIC	Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c63; Half duration: 1$\dot{0}$. Moment tensor: Scale 10^{16}Nm; M_{rr}7.84±.40; $M_{\theta\theta}$−7.03±.41; $M_{\phi\phi}$−0.81±.71; $M_{r\theta}$−3.99±1.72; $M_{r\phi}$−2.67±1.35; $M_{\theta\phi}$3.86±.30. Principal Axes: T 10.1,Plg65°,Azm131°; N −0.8,Plg24°,Azm288°; P −9.3,Plg9°,Azm22°. Best double couple: $M_0$9.6×10^{16}Nm, NP1: ϕ_S138°,δ42°,λ127°. NP2:ϕ_S272°,δ58°,λ62°.							

(80) Panama-Costa Rica border region.

ISC	**I**	**03 21 39 28.9**±.88	**8.22N**±.086	**82.69W**±.071	**51**±7.5	**4.4b**	**40**	**0-153**
EIDC	I	03 21 39 16.0	7.8N	81.5W	0	4.2b		**¶97i0431**
NEIC	I	03 21 39 26.6	8.08N	82.82W	33	4.8b		
NEIC	M_D4.7(UPA).							
ISC	**I**	**05 21 04 39**±4.9	**8.8N**±.33	**82.6W**±.16	**9**±26		**6**	**0-3**
NEIC	I	05 21 04 39.1	8.83N	82.54W	10			**¶97i0712**
NEIC	M_D4.0(UPA), Single network solution.							
ISC	**I**	**05 23 38 36**±4.9	**8.8N**±.35	**82.8W**±.31	**33**		**5**	**0-3**
								¶97i0723
ISC	**I**	**14 07 21 40**±5.2	**8.9N**±.23	**83.0W**±.33	**10**		**6**	**1-3**
NEIC	I	14 07 21 39.7	8.95N	82.96W	10			**¶97i1968**
NEIC	M_D4.1(UPA), Poor solution.							
ISC	**I**	**29 12 40 16.8**±.86	**8.9N**±.11	**83.0W**±.10	**33**	**3.8b**	**10**	**1-71**
EIDC	I	29 12 40 16.2	9.5N	82.2W	0	3.9b		**¶97i4352**
ISC	**II**	**13 17 42 58**±1.0	**9.06N**±.088	**82.99W**±.092	**10**	**3.6b**	**11**	**1-71**
NEIC	II	13 17 42 57.6	9.06N	83.00W	10			**¶97ii1955**
EIDC	II	13 17 42 59.6	9.6N	80.8W	21	3.5b		
NEIC	M_D4.4(UPA).							
ISC	**II**	**17 15 12 47**±2.3	**8.6N**±.19	**82.6W**±.12	**3**±16		**7**	**0-4**
NEIC	II	17 15 12 47.7	8.53N	82.62W	10			**¶97ii2509**
NEIC	M_D4.1(UPA), Single network solution.							
NEIC	**IV**	**01 10 45 27.6**	**8.46N**	**82.83W**	**10**			**0-4**
NEIC	M_D3.7(UPA), Poor solution.							**¶97iv0054**
ISC	**IV**	**06 03 14 59**±4.0	**8.6N**±.20	**82.9W**±.24	**0**		**6**	**0-3**
								¶97iv0917
ISC	**IV**	**10 22 32 33**±3.1	**8.4N**±.29	**82.8W**±.30	**18**±15		**9**	**0-4**
NEIC	IV	10 22 32 31.9	8.51N	82.90W	10			**¶97iv1755**
NEIC	M_D3.9(UPA), Single network solution.							
ISC	**VI**	**11 07 22 25**±5.2	**9.0N**±.40	**82.5W**±.20	**23**±34		**6**	**0-3**
NEIC	VI	11 07 22 23.5	9.06N	82.51W	10			**¶97vi1637**
NEIC	Single network solution.							
ISC	**VI**	**16 15 42 09**±1.3	**8.08N**±.075	**82.95W**±.055	**18**±8.0	**4.3b,3.8s**	**49**	**0-154**
EIDC	VI	16 15 42 07.8	8.1N	82.9W	0	4.2b,3.7s		**¶97vi2487**
NEIC	VI	16 15 42 08.7	8.06N	82.96W	15	4.6b		

(81) Panama.

ISC	**I**	**03 12 43 30**±2.8	**7.6N**±.34	**81.04W**±.063	**10**		**8**	**1-3**
NEIC	I	03 12 43 29.8	7.60N	81.04W	10			**¶97i0374**
NEIC	M_D4.2(UPA), Single network solution.							
ISC	**I**	**22 20 02 37**±6.0	**9.3N**±.56	**78.7W**±.27	**29**±15		**6**	**0-4**
								¶97i3376
ISC	**I**	**24 00 55 05**±4.6	**7.7N**±.30	**78.9W**±.31	**33**	**3.3b**	**10**	**1-146**
EIDC	I	24 00 54 48.3	7.1N	76.6W	0	3.3b		**¶97i3574**
NEIC	I	24 00 54 52.4	7.75N	76.14W	33	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**08 17 15 47**±11	**8.2N**±.37	**78.0W**±.76	**33**		**7**	**1-4**
								¶97iv1368
ISC	**IV**	**16 09 16 02.2**±.79	**7.30N**±.063	**80.12W**±.067	**46**±7.9	**4.0b,3.4s**	**33**	**1-144**
NEIC	IV	16 09 15 57.2	7.17N	80.41W	10	4.1b		**¶97iv2732**
EIDC	IV	16 09 15 57.5	7.1N	80.7W	0	4.1b,3.5s		
NEIC	M_D4.6(UPA)							
NEIC	Felt I=III MM at Arraijan and on Peninsula de Azuero. Also felt at Panama City.							

(82) Panama-Colombia border region.

EIDC	**I**	**02 00 37 53.0**	**7.9N**	**77.0W**	**0**	**3.3b**		**33-146**
								¶97i0144
ISC	**III**	**07 04 13 51**±1.7	**7.6N**±.11	**77.1W**±.12	**45**±20	**4.1b**	**19**	**3-146**
EIDC	III	07 04 13 45.5	7.5N	77.2W	0	4.1b		**¶97iii1438**
NEIC	III	07 04 13 51.9	7.51N	77.07W	59	3.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**04 07 53 14**±2.5	**8.2N**±.14	**77.1W**±.20	**42**±25	**3.6b,**3.6s	**21**	**2-147**
EIDC	IV	04 07 53 09.2	8.3N	77.0W	0	3.7b,3.1s		**¶97iv0569**
NEIC	IV	04 07 53 12.3	8.28N	76.99W	33	3.6b		
NEIC	Less reliable solution.							
ISC	**V**	**19 03 52 59**±2.3	**8.8N**±.26	**77.2W**±.16	**39**±30	**3.7b**	**23**	**1-153**
NEIC	V	19 03 52 55.8	8.93N	77.10W	10			**¶97v3189**
EIDC	V	19 03 53 01.8	8.8N	77.2W	47	3.5b,4.3L		
NEIC	M_D4.2(UPA).							

(83) South of Panama.

ISC	**II**	**01 05 26 08**±4.1	**5.1N**±.39	**82.8W**±.19	**33**	3.6b	**6**	**3-62**
								¶97ii0024
ISC	**II**	**01 23 44 13.1**±.46	**2.63N**±.044	**79.6W**±.12	**33**	**4.1b**	**46**	**2-143**
IGQ	II	01 23 44 04.5	2.58N	80.11W		4.9b		**¶97ii0143**
EIDC	II	01 23 44 13.5	2.3N	79.6W	0	4.1b,4.5L		
NEIC	II	01 23 44 14.4	2.22N	80.46W	33	4.4b		
NEIC	Less reliable solution.							
ISC	**II**	**22 01 48 23**±3.5	**6.9N**±.29	**82.9W**±.18	**10**	3.5b	**6**	**1-60**
NEIC	II	22 01 48 34.4	7.60N	82.42W	10			**¶97ii3152**
NEIC	M_D3.9(UPA), Poor solution.							
NEIC	**III**	**09 12 48 36.8**	**7.68N**	**82.49W**	**10**	**4.4b**		**20-154**
EIDC	III	09 12 48 36.7	7.8N	82.5W	0	4.1b		**¶97iii1966**
NEIC	Less reliable solution.							
EIDC	**III**	**10 07 18 10.8**	**6.8N**	**82.2W**	**0**	**3.5b**		**30-73**
								¶97iii2165
ISC	**III**	**15 19 45 50**±1.2	**2.7N**±.33	**82.8W**±.92	**33**	**4.3b,**3.9s	**6**	**16-140**
EIDC	III	15 19 45 48.1	2.8N	83.0W	0	4.4b,4.0s		**¶97iii3098**
NEIC	III	15 19 45 49.2	2.37N	83.86W	33	4.3b		

NEIC Poor solution.
ISC III 20 13 33 53±1.3 **5.71N**±.075 **82.36W**±.083 **39**±13 **4.6b,4.8s 81 6-150**
EIDC III 20 13 33 48.8 5.8N 82.2W 0 4.5b,4.5s **¶97iii3901**
BJI III 20 13 33 49.3 5.70N 82.40W 10 5.4s
NEIC III 20 13 33 49.3 5.73N 82.41W 10 4.9b,4.8s
HRVD III 20 13 33 54.9±.4 5.60N±.03 82.50W±.03 15
NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c30; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.08±.05; $M_{\theta\theta}$−0.04±.07; $M_{\phi\phi}$0.12±.10; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$1.33±.04. Principal Axes: T 1.37,Plg0°,Azm133°; N −0.08, Plg90°,Azm180°; P −1.29,Plg0°,Azm43°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S178°, δ90°,λ−180°. NP2:ϕ_S268°,δ90°,λ0°.
ISC III 21 23 55 16±4.2 **3.6N**±.75 **82.6W**±.33 **33** **4.1b** **14 32-139**
EIDC III 21 23 55 10.9 3.4N 82.6W 0 4.1b **¶97iii4159**
NEIC III 21 23 55 13.8 3.30N 82.75W 33 4.1b
NEIC Poor solution.
ISC III 22 01 11 16±4.7 **3.7N**±.15 **82.7W**±.20 **85**±49 **4.0b** **24 17-140**
NEIC III 22 01 11 09.0 3.57N 82.76W 33 4.1b **¶97iii4170**
EIDC III 22 01 11 15.7 3.7N 82.9W 71 3.9b,3.7s
NEIC Less reliable solution.
ISC III 27 10 02 21±1.2 **3.97N**±.058 **82.52W**±.048 **48**±11 **4.8b,4.5s 156 6-158**
EIDC III 27 10 02 15.9 4.0N 82.5W 0 4.6b,4.4s **¶97iii5187**
NEIC III 27 10 02 16.2 4.01N 82.45W 10 5.0b,4.5s
BJI III 27 10 02 18.8 4.00N 82.50W 10
HRVD III 27 10 02 20.7±.9 4.01N 82.45W 15
NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c22; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.49; $M_{\theta\theta}$−1.78±.74; $M_{\phi\phi}$0.12±.91; $M_{r\theta}$0.59±1.59; $M_{r\phi}$4.96±1.75; $M_{\theta\phi}$6.82±.50. Principal Axes: T 8.67,Plg32°,Azm305°; N −0.08,Plg52°,Azm160°; P −8.59,Plg17°,Azm46°. Best double couple: $M_0$8.6×10^{16}Nm, NP1: ϕ_S90°,δ54°,λ12°. NP2:ϕ_S353°,δ80°,λ143°.
ISC III 30 19 27 56±1.3 **7.2N**±.30 **82.0W**±.30 **33** **3.8b** **19 27-143**
EIDC III 30 19 27 52.1 7.2N 81.9W 0 3.9b **¶97iii5790**
NEIC III 30 19 27 55.2 7.12N 82.14W 33 3.7b
NEIC Less reliable solution.
ISC IV 01 15 11 49±1.1 **7.78N**±.034 **82.39W**±.028 **31**±7.7 **5.4b,5.5s 470 1-155**
EIDC IV 01 15 11 44.2 7.9N 82.2W 0 4.7b,5.0s **¶97iv0087**
NEIC IV 01 15 11 49.0 7.77N 82.40W 33 5.7b,5.4s
MOS IV 01 15 11 49.4 7.8N 82.4W 33 6.0b,5.5s
BJI IV 01 15 11 50.0 7.82N 82.41W 39 6.2s
HRVD IV 01 15 11 53.9±.1 7.70N±.01 82.21W±.01 23±1.0
NEIC Mw6.1(HRV), M_D5.3(UPA)
NEIC Mw 6.0 (GS). Felt in Chiriqui Province.
NEIC Moment tensor solution: s19, scale 10^{18}Nm; M_{rr}−0.03; $M_{\theta\theta}$0.47; $M_{\phi\phi}$−0.43; $M_{r\theta}$−0.08; $M_{r\phi}$0.23; $M_{\theta\phi}$1.21. Depth 17km; Principal axes: T 1.31,Plg3°,Azm325°; N 0.00,Plg79°, Azm221°; P −1.31,Plg10°,Azm55°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S100°,δ81°, λ−5°. NP2:ϕ_S191°,δ85°,λ−171°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c103; Mantle waves: s46,c70; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.03±.01; $M_{\theta\theta}$−0.29±.01; $M_{\phi\phi}$0.32±.02; $M_{r\theta}$0.23±.03; $M_{r\phi}$0.36±.04; $M_{\theta\phi}$1.47±.01. Principal Axes: T 1.62,Plg14°,Azm309°; N −0.14,Plg76°,Azm138°; P −1.49,Plg2°,Azm39°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S85°,δ78°,λ9°. NP2:ϕ_S353°,δ81°,λ168°.
ISC IV 01 15 42 34±5.1 **7.8N**±.38 **82.7W**±.25 **33** **8 1-4**
NEIC IV 01 15 42 33.7 7.75N 82.67W 33 **¶97iv0094**
NEIC M_D4.0(UPA), Poor solution.
ISC IV 04 09 07 11±3.5 **7.5N**±.27 **82.3W**±.16 **10** **9 1-4**
NEIC IV 04 09 07 11.5 7.51N 82.26W 10 **¶97iv0582**
NEIC Single network solution.
ISC IV 04 22 53 19±6.1 **7.3N**±.43 **82.5W**±.28 **10** **8 1-4**
NEIC IV 04 22 53 19.8 7.37N 82.44W 10 **¶97iv0667**
NEIC M_D3.8(UPA), Poor solution.
ISC IV 07 08 12 19±5.2 **7.6N**±.42 **82.5W**±.24 **33** **8 1-4**
NEIC IV 07 08 12 18.5 7.56N 82.53W 33 **¶97iv1124**
NEIC M_D4.2(UPA), Poor solution.
ISC IV 08 06 47 02±4.5 **7.6N**±.37 **82.6W**±.21 **50**±26 3.2b **10 1-60**
NEIC IV 08 06 47 02.1 7.60N 82.58W 50 **¶97iv1286**
NEIC M_D4.4(UPA) Poor solution.
NEIC Felt at David.
ISC IV 08 20 03 13±4.3 **7.5N**±.28 **82.5W**±.22 **5** **8 1-4**
NEIC IV 08 20 03 12.7 7.49N 82.46W 5 **¶97iv1396**
NEIC M_D3.9(UPA), Poor solution.
ISC IV 09 09 38 53±2.8 **7.7N**±.21 **82.4W**±.14 **10** **9 1-4**
NEIC IV 09 09 38 52.9 7.72N 82.43W 10 **¶97iv1492**
NEIC M_D4.1(UPA), Single network solution.
ISC IV 10 12 33 32±3.0 **7.7N**±.22 **82.4W**±.15 **10** **9 1-4**
NEIC IV 10 12 33 31.7 7.69N 82.43W 10 **¶97iv1691**
NEIC M_D4.3(UPA), Single network solution.
ISC IV 13 00 39 40±6.0 **7.3N**±.45 **82.5W**±.26 **33** **8 1-4**
¶97iv2160
ISC IV 14 12 01 22±2.4 **7.9N**±.18 **82.4W**±.11 **10** **9 1-4**
NEIC IV 14 12 01 19.5 7.75N 82.42W 10 **¶97iv2456**
NEIC M_D4.2(UPA), Single network solution.
ISC IV 14 23 51 19±2.2 **7.7N**±.18 **82.4W**±.11 **10** 3.2b **10 1-60**
NEIC IV 14 23 51 18.5 7.69N 82.36W 10 **¶97iv2526**
NEIC M_D4.3(UPA), Less reliable solution.
ISC IV 16 00 22 37±6.6 **7.2N**±.34 **83.0W**±.20 **19**±32 3.5b **10 1-60**
NEIC IV 16 00 22 36.5 7.19N 82.98W 20 **¶97iv2668**
NEIC M_D4.3(UPA), Less reliable solution.
ISC IV 21 10 42 12±1.1 **3.8N**±.50 **78.4W**±.88 **33** **3.6b** **7 22-144**
NEIC IV 21 10 42 08.3 3.13N 78.53W 33 3.8b **¶97iv3448**
EIDC IV 21 10 42 24.6 3.3N 78.9W 150 3.1b
NEIC Poor solution.
EIDC IV 24 22 17 10.7 3.3N 81.6W 0 3.4b,3.0s **24-77**
¶97iv4219
ISC V 17 13 39 37.5±.73 **5.2N**±.17 **82.2W**±.24 **10** **3.9b** **14 26-78**
EIDC V 17 13 39 37.0 5.2N 82.2W 0 3.8b **¶97v2938**
NEIC V 17 13 39 37.2 5.19N 82.23W 10 3.9b
NEIC Poor solution.
ISC V 19 02 25 51.4±.34 **6.69N**±.053 **82.40W**±.035 **10** **5.1b,5.1s 220 2-155**
MOS V 19 02 25 49.2 6.4N 82.9W 10 5.4b **¶97v3180**
NEIC V 19 02 25 49.6 6.50N 82.37W 10 5.2b,5.1s
BJI V 19 02 25 54.6 6.50N 82.40W 10 5.8s
HRVD V 19 02 25 57.1±.1 6.57N±.02 82.27W±.02 15
EIDC V 19 02 25 58.3 6.6N 82.4W 62 4.3b,4.8s
NEIC Mw5.8(HRV), M_D4.9(UPA).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c102; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.17±.06; $M_{\theta\theta}$0.74±.07; $M_{\phi\phi}$−0.57±.09; $M_{r\theta}$2.15±.20; $M_{r\phi}$0.95±.24; $M_{\theta\phi}$5.10±.06. Principal Axes: T 6.05,Plg20°,Azm320°; N −0.87, Plg68°,Azm114°; P −5.17,Plg9°,Azm227°. Best double couple: $M_0$5.6×10^{17}Nm, NP1:ϕ_S2°, δ69°,λ172°. NP2:ϕ_S95°,δ82°,λ21°.
ISC VI 03 01 44 19±2.7 **6.9N**±.54 **81.5W**±.60 **33** **3.6b** **4 40-76**
EIDC VI 03 01 44 15.7 6.8N 81.5W 0 3.6b,2.5s **¶97vi0370**
ISC Poorly determined
EIDC VI 08 09 22 45.3 4.8N 80.5W 0 3.5b **5-143**
¶97vi1208
ISC VI 11 16 16 24.1±.39 **5.39N**±.053 **82.52W**±.051 **10** **4.3b,4.1s 57 3-156**
EIDC VI 11 16 16 23.2 5.1N 82.8W 0 4.3b,4.0s **¶97vi1720**
NEIC VI 11 16 16 23.7 5.37N 82.53W 10 4.6b
ISC VI 26 01 31 10±4.0 **2.04N**±.084 **79.83W**±.097 **31**±29 **4.2b,3.5s 24 3-81**
EIDC VI 26 01 31 07.9 2.1N 79.7W 0 4.2b,3.5s **¶97vi4062**
NEIC VI 26 01 31 10.2 2.03N 79.85W 33 4.4b
ISC VI 26 06 12 10.7±.20 **4.89N**±.030 **82.60W**±.032 **10** **5.1b,5.1s 261 3-157**
MOS VI 26 06 12 09.3 4.8N 82.8W 10 5.4b,4.9s **¶97vi4093**
EIDC VI 26 06 12 10.0 4.8N 82.5W 0 4.9b,5.0s
BJI VI 26 06 12 10.3 4.80N 82.60W 10 5.9s
NEIC VI 26 06 12 10.3 4.87N 82.61W 10 5.2b,5.1s
HRVD VI 26 06 12 16.7±.1 4.81N±.02 82.52W±.01 15
NEIC Mw5.8(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c118; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.06; $M_{\theta\theta}$0.34±.08; $M_{\phi\phi}$−0.56±.10; $M_{r\theta}$1.50±.22; $M_{r\phi}$0.42±.26; $M_{\theta\phi}$5.81±.06. Principal Axes: T 6.05,Plg13°,Azm318°; N −0.04, Plg75°,Azm111°; P −6.01,Plg7°,Azm226°. Best double couple: $M_0$6.0×10^{17}Nm, NP1:ϕ_S2°, δ76°,λ175°. NP2:ϕ_S93°,δ85°,λ14°.

Seismic Region 7. Caribbean Loop.

(87) Haiti region.

ISC I 08 06 43 05±1.9 **17.68N**±.035 **72.20W**±.026 **6**±12 **5.3b,4.8s 318 5-155**
BJI I 08 06 43 04.0 17.72N 72.23W 9 **¶97i1032**
NEIC I 08 06 43 04.8 17.67N 72.21W 10 5.3b,4.8s
MOS I 08 06 43 07.7 18.1N 72.0W 10 5.7b,4.9s
HRVD I 08 06 43 09.3±.6 17.61N±.09 71.90W±.10 15
EIDC I 08 06 43 11.3 17.7N 72.2W 46 4.8b,4.5s
NEIC Mw5.4(HRV)
NEIC Felt in Haiti.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}4.75±.46; $M_{\theta\theta}$−3.51±.60; $M_{\phi\phi}$−1.24±.74; $M_{r\theta}$9.67±1.65; $M_{r\phi}$−9.53±1.92; $M_{\theta\phi}$−0.91±.46. Principal Axes: T 15.6,Plg51°,Azm48°; N −3.2,Plg5°,Azm312°; P −12.4,Plg38°,Azm218°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S275°,δ8°,λ53°. NP2:ϕ_S132°,δ83°,λ95°.

(88) Dominican Republic region.

ISC I 19 12 44 51±2.6 **20.0N**±.15 **70.8W**±.16 **50**±25 **3.8b** **13 4-149**
EIDC I 19 12 44 46.0 20.1N 70.7W 0 3.9b,3.5L **¶97i2838**
NEIC I 19 12 44 49.2 19.99N 70.82W 33 3.6b
NEIC Less reliable solution.
ISC I 24 04 35 23±2.2 **19.0N**±.29 **71.3W**±.57 **33** **3.6b** **5 31-151**
EIDC I 24 04 35 26.0 18.9N 71.5W 31 3.2b **¶97i3593**
ISC Poorly determined
ISC II 15 07 17 03±4.7 **18.6N**±.14 **71.4W**±.13 **17**±35 **3.9b** **20 4-156**
EIDC II 15 07 17 01.8 18.6N 71.3W 0 3.9b **¶97ii2190**
NEIC II 15 07 17 04.6 18.54N 71.39W 33
NEIC Less reliable solution.
ISC II 24 04 08 28.4±.87 **19.36N**±.087 **69.20W**±.079 **89**±11 **4.1b** **41 2-86**
EIDC II 24 04 08 19.0 19.3N 69.2W 0 4.2b **¶97ii3422**
NEIC II 24 04 08 28.3 19.32N 69.23W 91 4.5b
ISC III 19 13 57 32.6±.83 **19.0N**±.11 **69.60W**±.075 **94**±9.8 **4.1b** **52 0-158**
NEIC III 19 13 57 31.7 18.99N 69.66W 84 4.3b **¶97iii3717**
EIDC III 19 13 57 32.0 18.8N 69.7W 82 4.0b,3.3s
NEIC M_D4.4(MPR)
NEIC Felt I=IV MM at Cotui, Monte Plata and Santo Domingo; III MM at La Vega and Villa Altagracia.
ISC IV 09 03 11 41.4±.28 **17.88N**±.043 **71.44W**±.043 **10** **4.6b,3.2s 88 11-156**
NEIC IV 09 03 11 41.4 17.91N 71.45W 10 4.7b **¶97iv1451**
EIDC IV 09 03 11 48.9 18.1N 71.5W 48 4.0b,3.2s
ISC IV 22 09 29 05±3.9 **17.5N**±.18 **70.2W**±.14 **54**±39 **3.9b** **16 11-157**
NEIC IV 22 09 29 02.9 17.58N 70.22W 33 4.1b **¶97iv3684**
EIDC IV 22 09 29 05.3 17.6N 70.2W 34 3.7b
NEIC Less reliable solution.
ISC V 14 03 00 45.6±.67 **19.64N**±.049 **70.28W**±.040 **43**±7.4 **4.6b,4.2s 151 1-160**
MOS V 14 03 00 46.3 19.7N 70.3W 44 4.9b,4.3s **¶97v2373**
NEIC V 14 03 00 46.5 19.63N 70.29W 54 4.7b,4.3s
EIDC V 14 03 00 48.7 19.6N 70.4W 60 4.1b,4.0s
NEIC Felt I=V MM at Gaspar Hernandez; IV MM at San Francisco de Macoris; III MM at Bonao, La Vega and Santiago; II MM at Santo Domingo.
ISC V 24 18 01 08±2.2 **18.03N**±.096 **69.3W**±.12 **105**±24 **3.8b** **22 10-158**
NEIC V 24 18 01 07.6 18.03N 69.31W 100 3.9b **¶97v4152**
EIDC V 24 18 01 08.0 18.1N 69.3W 87 3.6b,3.5s
NEIC Less reliable solution.
ISC VI 08 01 29 42±1.0 **18.8N**±.12 **69.6W**±.11 **106**±11 **3.9b** **29 2-76**
NEIC VI 08 01 29 41.8 18.88N 69.61W 98 3.9b **¶97vi1162**
EIDC VI 08 01 29 43.5 18.8N 69.6W 99 3.6b
NEIC M_D4.3(MPR)
NEIC Felt strongly at Santo Domingo.
ISC VI 22 01 08 22±2.2 **19.9N**±.47 **71.3W**±.18 **33** **3.7b** **11 22-156**
EIDC VI 22 01 08 17.4 19.6N 71.4W 0 3.7b **¶97vi3304**
NEIC VI 22 01 08 22.3 19.96N 71.32W 33 3.6b
NEIC Poor solution.

(89) Mona Passage.

ISC I 05 03 37 44±3.6 **18.4N**±.46 **67.4W**±.31 **100** **6 0-1**
¶97i0610
ISC I 12 20 26 00±5.8 **18.5N**±.53 **67.5W**±.23 **78**±54 **6 1-1**
¶97i1737
ISC I 14 00 20 25±2.7 **18.0N**±.23 **67.4W**±.18 **29**±11 2.9b **8 0-55**
¶97i1920
ISC I 17 13 14 03±2.1 **18.4N**±.21 **67.44W**±.093 **18**±21 **8 0-1**
NEIC I 17 13 14 02.7 18.45N 67.44W 10 **¶97i2457**
NEIC M_D3.2(MPR), Single network solution.
ISC II 26 06 12 40±2.4 **18.2N**±.35 **67.0W**±.23 **32**±21 **5 0-1**
NEIC II 26 06 12 39.8 18.18N 67.01W 33 **¶97ii3749**
ISC Poorly determined
NEIC Single network solution.
ISC III 14 06 21 07±2.8 **18.1N**±.12 **67.1W**±.21 **15** **7 0-1**
NEIC III 14 06 21 07.4 18.15N 67.14W 15 **¶97iii2820**
NEIC M_D2.7(MPR), Single network solution.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 31 18 21 13**±1.5	**18.0N**±.22	**67.41W**±.066	**10**		**7**	**0-1**
NEIC	III 31 18 21 12.5	18.02N	67.41W	10			¶97iii5916
NEIC	M_D3.4(MPR). Less reliable solution.						
NEIC	Felt I=IV MM at Mayaguez, Puerto Rico.						
ISC	**IV 19 15 41 52**±2.2	**18.3N**±.31	**67.3W**±.11	**49**±31		**8**	**0-1**
NEIC	IV 19 15 41 52.4	18.39N	67.31W	33			¶97iv3217
NEIC	M_D3.5(MPR). Less reliable solution.						
NEIC	Felt I=III MM in southwestern Puerto Rico.						
ISC	**V 01 05 04 34**±4.2	**18.5N**±.75	**68.4W**±.33	**150**		**9**	**1-2**
NEIC	V 01 05 04 34.1	18.42N	68.33W	150			¶97v0035
NEIC	M_D3.5(MPR), Poor solution.						
ISC	**V 02 12 45 33**±3.8	**18.6N**±.27	**67.6W**±.12	**5**		**5**	**1-2**
NEIC	V 02 12 45 33.0	18.56N	67.55W	5			¶97v0267
NEIC	M_D3.2(MPR), Less reliable solution.						
ISC	**V 03 10 30 34**±3.8	**18.1N**±.39	**68.2W**±.31	**70**		**10**	**0-2**
NEIC	V 03 10 30 33.8	18.12N	68.26W	70			¶97v0417
NEIC	M_D3.8(MPR), Poor solution.						
ISC	**V 08 13 31 13**±1.8	**18.2N**±.25	**67.0W**±.19	**33**		**4**	**0-0**
NEIC	V 08 13 31 12.7	18.23N	67.02W	33			¶97v1251
ISC	Poorly determined						
NEIC	M_D2.2(MPR), Poor solution.						
ISC	**V 10 23 06 37**±7.9	**19.1N**±.63	**67.1W**±.13	**33**		**7**	**1-1**
							¶97v1683
ISC	**V 21 06 25 43**±2.8	**18.4N**±.42	**67.1W**±.25	**80**		**6**	**0-1**
NEIC	V 21 06 25 42.6	18.48N	67.09W	80			¶97v3525
NEIC	M_D2.7(MPR), Poor solution.						
ISC	**V 30 05 40 32**±7.9	**19.1N**±.41	**68.0W**±.37	**5**		**6**	**1-2**
NEIC	V 30 05 40 32.1	19.06N	67.98W	5			¶97v4986
NEIC	M_D3.5(MPR), Poor solution.						
ISC	**VI 09 06 49 48**±2.3	**18.0N**±.16	**67.2W**±.13	**10**		**4**	**0-0**
NEIC	VI 09 06 49 48.1	18.03N	67.17W	10			¶97vi1343
ISC	Poorly determined						
NEIC	M_D2.4(MPR), Poor solution.						
ISC	**VI 11 09 07 06**±3.3	**18.4N**±.61	**68.0W**±.28	**100**		**6**	**0-2**
NEIC	VI 11 09 07 05.5	18.38N	68.02W	100			¶97vi1650
NEIC	M_D3.2(MPR), Poor solution.						
ISC	**VI 12 05 26 14**±6.3	**19.0N**±.50	**67.1W**±.18	**50**		**6**	**1-1**
NEIC	VI 12 05 26 13.6	18.95N	67.12W	50			¶97vi1804
NEIC	M_D3.3(MPR), Poor solution.						
ISC	**VI 23 15 59 48**±11	**19.2N**±.79	**67.2W**±.29	**33**		**7**	**1-1**
							¶97vi3555

(90) Puerto Rico region.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I 03 22 16 32**±3.2	**18.1N**±.15	**66.9W**±.10	**19**±38		**6**	**0-1**
							¶97i0439
ISC	**I 16 02 15 15**±2.3	**19.0N**±.35	**66.7W**±.14	**60**±40	3.2b	**9**	**1-54**
							¶97i2242
ISC	**II 06 04 53 26**±4.6	**18.5N**±.36	**66.2W**±.24	**33**		**7**	**0-1**
							¶97ii0798
ISC	**II 07 08 40 25**±6.0	**18.6N**±.48	**66.7W**±.35	**33**		**4**	**0-1**
ISC	Poorly determined						¶97ii0969
ISC	**II 10 12 37 07**±1.2	**18.2N**±.27	**66.99W**±.099	**33**		**5**	**0-1**
							¶97ii1460
ISC	**II 12 04 25 01**±4.6	**18.6N**±.37	**66.7W**±.15	**31**±16		**7**	**0-1**
NEIC	II 12 04 25 01.7	18.55N	66.71W	25			¶97ii1722
NEIC	M_D3.0(MPR), Single network solution.						
ISC	**II 18 19 22 23**±2.3	**18.5N**±.37	**66.2W**±.18	**90**		**8**	**0-1**
NEIC	II 18 19 22 22.2	18.53N	66.12W	90			¶97ii2682
NEIC	M_D3.2(MPR), Poor solution.						
ISC	**II 26 08 25 08**±2.9	**19.3N**±.16	**65.4W**±.25	**69**±26	**3.7b**	**13**	**1-83**
EIDC	II 26 08 25 00.5	19.4N	65.3W	0	3.8b		¶97ii3768
NEIC	II 26 08 25 06.5	19.46N	65.35W	50	3.7b		
NEIC	Less reliable solution.						
ISC	**III 22 10 44 00**±3.8	**17.9N**±.31	**66.0W**±.21	**33**		**7**	**0-1**
NEIC	III 22 10 44 00.1	17.87N	65.95W	33			¶97iii4251
NEIC	M_D3.3(MPR), Poor solution.						
ISC	**V 07 01 28 53**±4.9	**19.1N**±.51	**66.8W**±.15	**100**		**9**	**1-1**
NEIC	V 07 01 28 53.0	19.09N	66.79W	100			¶97v1039
NEIC	M_D3.5(MPR), Poor solution.						
ISC	**V 11 18 57 10**±14	**18.7N**±.71	**66.0W**±.80	**33**		**8**	**0-1**
							¶97v1826
ISC	**V 21 05 33 48**±4.4	**18.4N**±.51	**65.7W**±.36	**100**		**8**	**0-2**
							¶97v3521
ISC	**V 30 23 40 49**±5.6	**17.7N**±.48	**66.9W**±.17	**33**		**5**	**0-1**
							¶97v5117
ISC	**VI 03 02 24 26**±3.2	**18.5N**±.32	**66.3W**±.15	**33**		**7**	**0-1**
							¶97vi0373
ISC	**VI 08 08 22 00**±3.2	**18.8N**±.24	**66.74W**±.078	**10**		**7**	**0-1**
NEIC	VI 08 08 21 59.9	18.75N	66.74W	10			¶97vi1202
NEIC	M_D3.1(MPR), Single network solution.						
ISC	**VI 15 08 18 18**±6.9	**18.5N**±.60	**66.0W**±.34	**58**±50		**7**	**0-1**
NEIC	VI 15 08 18 18.1	18.49N	66.04W	60			¶97vi2265
NEIC	M_D3.1(MPR), Poor solution.						
ISC	**VI 17 01 34 14**±2.3	**17.0N**±.19	**65.3W**±.11	**25**±21	**3.7b**	**17**	**1-76**
NEIC	VI 17 01 34 20.0	17.54N	65.47W	50			¶97vi2538
EIDC	VI 17 01 34 21.6	17.8N	65.3W	48	3.5b		
NEIC	M_D3.8(MPR), Less reliable solution.						
ISC	**VI 29 08 13 09**±6.5	**18.4N**±.74	**66.3W**±.59	**100**		**5**	**0-1**
							¶97vi4590
ISC	**VI 30 06 41 13**±12	**18.8N**±.74	**66.1W**±.65	**33**		**6**	**1-1**
							¶97vi4720

(91) Virgin Islands.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I 05 01 20 52**±14	**19.1N**±.55	**65.0W**±.99	**0**		**5**	**1-2**
							¶97i0605
ISC	**I 26 18 48 32**±1.2	**17N**±1.0	**64.3W**±.34	**20**		**6**	**2-2**
NEIC	I 26 18 48 54.7	17.98N	65.91W	20			¶97i3981
NEIC	Poor solution.						
ISC	**II 19 10 28 58.6**±.80	**19.11N**±.061	**64.41W**±.048	**51**±9.0	**4.3b,3.8s**	**73**	**2-164**
EIDC	II 19 10 28 53.1	19.1N	64.4W	0	4.3b,3.8s		¶97ii2768
TRN	II 19 10 28 56.0	19.2N	64.5W	21	4.6D		
NEIC	II 19 10 28 57.2	19.28N	64.39W	33	4.4b		
NEIC	$M_{D4.5}$(MPR).						
ISC	**II 19 11 18 38**±1.0	**19.4N**±.11	**64.35W**±.085	**33**	**3.3b**	**10**	**2-69**
EIDC	II 19 11 18 35.4	19.4N	62.5W	32	3.1b		¶97ii2779
ISC	**IV 23 10 33 15.1**±.98	**18.1N**±.25	**64.19W**±.087	**45**±21	**3.9b**	**18**	**2-59**
TRN	IV 23 10 33 10.4	18.3N	64.3W	114	4.2D		¶97iv3934
NEIC	IV 23 10 33 14.4	18.31N	64.15W	33	3.8b		
EIDC	IV 23 10 33 16.1	19.3N	63.4W	0	3.9b		
NEIC	M_D4.0(MPR), Less reliable solution.						

(92) Leeward Islands.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I 03 06 58 36**±1.5	**15.8N**±.40	**61.5W**±.57	**144**		**4**	**0-1**
TRN	I 03 06 58 35.8	15.8N	61.5W	144			¶97i0339
ISC	Poorly determined						
TRN	ML3.1 (after PAG)						
ISC	**I 06 04 08 11**±3.5	**17.2N**±.14	**61.0W**±.24	**6**		**7**	**1-2**
TRN	I 06 04 08 09.8	17.2N	61.1W	6	3.3D		¶97i0744
TRN	**I 07 16 33 36.9**	**15.2N**	**60.5W**	**35**			¶97i0947
TRN	Magnitude2.3 (after FDF)						
ISC	**I 12 14 33 01**±12	**16.8N**±.64	**61.0W**±.78	**31**		**4**	**0-1**
TRN	I 12 14 33 00.5	16.8N	61.1W	31	3.2D		¶97i1696
ISC	Poorly determined						
TRN	ML3.5 (after PAG)						
ISC	**I 13 23 56 34**±1.2	**15.8N**±.16	**61.4W**±.44	**135**		**6**	**0-1**
TRN	I 13 23 56 33.3	15.7N	61.4W	135			¶97i1916
TRN	ML2.6 (after PAG)						
ISC	**I 14 18 03 34.8**±.42	**17.32N**±.036	**61.66W**±.037	**60**±5.1	**4.7b,4.5s**	**144**	**0-165**
EIDC	I 14 18 03 28.1	17.3N	61.7W	0	4.5b		¶97i2031
TRN	I 14 18 03 31.9	17.5N	61.6W	58	5.4D		
BJI	I 14 18 03 33.8	17.44N	62.01W	49			
NEIC	I 14 18 03 34.4	17.37N	61.62W	55	4.8b		
TRN	Felt I=IV MM Antigua, Guadeloupe and St.Kitts, I=IV on Montserrat						
NEIC	$M_{D5.4}$(FDF)						
ISC	**I 14 18 10 45**±5.1	**17.4N**±.26	**62.3W**±.49	**35**		**4**	**0-1**
TRN	I 14 18 10 44.5	17.4N	62.1W	35	2.4D		¶97i2033
NEIC	I 14 18 10 45.3	17.40N	62.28W	33			
ISC	Poorly determined						
NEIC	Poor solution.						
TRN	**I 14 21 59 54.5**	**17.4N**	**61.7W**	**33**	**2.8D**		¶97i2066
ISC	**I 15 13 36 29**±2.6	**17.3N**±.10	**61.6W**±.28	**28**		**6**	**0-1**
TRN	I 15 13 36 27.5	17.3N	61.7W	28	2.7D		¶97i2161
TRN	**I 22 12 26 39.0**	**15.1N**	**61.2W**	**190**			¶97i3328
TRN	Magnitude2.9 (after FDF)						
ISC	**I 25 14 52 32.2**±.67	**17.69N**±.049	**61.63W**±.046	**52**±8.2	**4.7b,4.3s**	**111**	**1-165**
TRN	I 25 14 52 22.7	18.1N	61.5W	5	5.3D,5.2L		¶97i3826
EIDC	I 25 14 52 26.8	17.6N	61.7W	0	4.6b,4.2s		
MOS	I 25 14 52 31.2	17.8N	61.8W	44	5.0b		
NEIC	I 25 14 52 31.7	17.74N	61.61W	46	4.8b		
TRN	Felt on Antigua and St.Kitts						
TRN	**I 25 14 58 06.8**	**18.0N**	**61.4W**	**35**	**3.6D**		¶97i3827
TRN	ML3.8 (after DEG)						
ISC	**I 29 08 05 31.5**±.90	**17.23N**±.084	**61.70W**±.098	**72**±9.5	**3.9b**	**36**	**1-164**
TRN	I 29 08 05 27.9	17.4N	61.5W	25	4.3D		¶97i4321
NEIC	I 29 08 05 28.4	17.54N	61.49W	33	4.0b		
EIDC	I 29 08 05 36.4	17.2N	61.8W	101	3.6b		
TRN	**II 01 05 01 48.6**	**15.1N**	**61.4W**	**164**			¶97ii0019
TRN	ML3.1 (after FDF), ML2.9 (after PAG)						
ISC	**II 07 05 14 53**±1.6	**15.41N**±.069	**60.8W**±.18	**12**		**7**	**1-1**
TRN	II 07 05 14 46.4	15.6N	60.6W	12			¶97ii0947
TRN	ML3.0 (after FDF), ML3.0 (after PAG)						
ISC	**II 12 18 48 54**±2.2	**16.2N**±.11	**60.9W**±.16	**5**		**6**	**0-2**
TRN	II 12 18 48 54.0	16.1N	61.0W	5			¶97ii1804
TRN	ML3.2 (after FDF), ML3.1 (after DEG)						
ISC	**II 13 13 17 30**±7.6	**18.3N**±.22	**63.4W**±.56	**55**±56	**3.6b**	**10**	**3-71**
EIDC	II 13 13 17 25.0	18.3N	63.5W	0	3.6b		¶97ii1928
NEIC	II 13 13 17 29.2	18.30N	63.36W	50	3.7b		
NEIC	Less reliable solution.						
TRN	**II 16 04 34 04.6**	**15.2N**	**60.9W**	**152**			¶97ii2338
TRN	Magnitude 2.3 (after FDF)						
TRN	**II 17 16 42 34.2**	**16.8N**	**62.1W**	**15**	**3.1D**		¶97ii2514
ISC	**II 18 03 47 18**±2.2	**17.0N**±.14	**62.0W**±.12	**3**		**6**	**0-2**
TRN	II 18 03 47 13.6	17.1N	61.9W	3	3.3D		¶97ii2597
ISC	**II 20 05 49 59**±3.7	**15.9N**±.19	**60.7W**±.31	**36**		**7**	**1-1**
TRN	II 20 05 49 58.5	15.9N	60.8W	36			¶97ii2887
TRN	ML 3.0 (after FDF)						
ISC	**II 26 10 41 48**±8.1	**17.8N**±.55	**62.1W**±.18	**10**		**7**	**1-2**
TRN	II 26 10 41 50.8	17.5N	62.1W	10	3.2D		¶97ii3781
TRN	ML3.3 (after PAG)						
ISC	**II 27 08 20 49**±1.1	**17.1N**±.19	**62.1W**±.21	**83**		**7**	**0-2**
TRN	II 27 08 20 47.7	17.2N	62.1W	83	2.9D		¶97ii3924
ISC	**II 28 06 39 38**±8.3	**18.0N**±.64	**62.4W**±.27	**35**		**6**	**1-1**
TRN	II 28 06 39 36.8	17.9N	62.4W	35	3.1D		¶97ii4159
ISC	**III 04 19 39 29**±4.1	**15.9N**±.19	**60.5W**±.29	**17**		**7**	**1-1**
TRN	III 04 19 39 28.8	15.8N	60.7W	17			¶97iii0910
TRN	MD3.1 (after PAG)						
ISC	**III 06 00 03 29**±3.5	**15.9N**±.14	**60.8W**±.32	**33**		**5**	**1-1**
							¶97iii1154
TRN	**III 07 09 44 27.9**	**15.0N**	**60.5W**	**42**			¶97iii1492
TRN	MD2.4 (after FDF)						
ISC	**III 08 21 11 35**±11	**15.8N**±.28	**59.8W**±.85	**13**		**8**	**2-2**
TRN	III 08 21 11 34.4	15.8N	59.9W	13			¶97iii1832
TRN	MD3.7 (after FDF)						
ISC	**III 15 18 56 54.3**±.52	**16.01N**±.043	**60.99W**±.067	**55**±6.2	**4.2b**	**55**	**0-165**
NEIC	III 15 18 56 53.1	16.09N	60.92W	40	4.3b		¶97iii3090
TRN	III 15 18 56 53.6	16.0N	61.0W	33	4.4D		
EIDC	III 15 18 56 54.8	16.1N	61.1W	38	3.9b,3.5s		
TRN	MD4.1 (after FDF). Felt I=II MM in Martinique, I=III in Guadeloupe						
ISC	**III 15 18 59 14**±1.8	**15.96N**±.096	**60.9W**±.16	**27**±17		**7**	**0-1**
TRN	III 15 18 59 13.2	15.9N	61.0W	27			¶97iii3091
TRN	MD3.8 (after FDF)						
ISC	**III 15 19 14 59**±3.6	**15.9N**±.27	**61.1W**±.45	**67**		**6**	**0-1**
TRN	III 15 19 14 58.7	15.8N	61.2W	67			¶97iii3094
TRN	MD3.1 (after FDF)						
ISC	**III 16 00 03 29**±3.0	**15.8N**±.12	**60.8W**±.24	**25**		**5**	**1-1**
TRN	III 16 00 03 28.1	15.8N	61.0W	25			¶97iii3134
TRN	MD3.2 (after FDF)						
ISC	**III 16 12 59 37**±1.5	**18.70N**±.076	**61.4W**±.27	**33**	**3.5b**	**10**	**1-71**
EIDC	III 16 12 59 33.9	18.9N	61.2W	0	3.5b		¶97iii3224
NEIC	III 16 12 59 35.3	18.65N	61.13W	33	4.0b		
NEIC	Poor solution.						
ISC	**III 16 19 07 18**±6.5	**16.9N**±.45	**61.4W**±.26	**17**±31		**5**	**1-1**
TRN	III 16 19 07 17.0	16.8N	61.4W	10			¶97iii3257
ISC	Poorly determined						
TRN	MD2.6 (after PAG)						

ISC	**III**	**17 05 02 39**±1.4	**18.9N**±.11	**62.82W**±.083	**38**±15	**4.0b**	**32**	**3-164**
EIDC	III	17 05 02 35.3	18.9N	62.8W	0	4.0b		**¶97iii3321**
NEIC	III	17 05 02 38.6	18.89N	62.79W	33	3.7b		
NEIC	M_D4.1(MPR).							
ISC	**III**	**17 05 13 43.2**±.18	**19.02N**±.028	**62.79W**±.031	**27**	**4.7b,**5.2s	**137**	**2-164**
EIDC	III	17 05 13 40.5	18.9N	62.9W	0	4.5b		**¶97iii3323**
TRN	III	17 05 13 42.6	19.1N	62.6W	27			
NEIC	III	17 05 13 43.4	18.91N	62.79W	33	4.9b		
MOS	III	17 05 13 43.5	18.9N	62.8W	33	5.0b		
TRN	MD4.0 (after PAG);							
NEIC	M_D4.4(MPR).							
ISC	**III**	**17 05 20 37**±1.9	**19.01N**±.047	**62.83W**±.034	**30**±15	**4.9b,4.9s**	**192**	**2-164**
TRN	III	17 05 20 31.1	19.5N	62.6W	30	4.7D		**¶97iii3324**
BJI	III	17 05 20 34.7	18.88N	62.81W	27	5.4s		
NEIC	III	17 05 20 36.8	19.01N	62.84W	33	5.0b,4.9s		
MOS	III	17 05 20 37.7	19.0N	62.9W	33	5.3b		
HRVD	III	17 05 20 44.3±.6	19.01N	62.84W	31±5.0			
EIDC	III	17 05 20 49.8	18.8N	63.0W	142	4.2b		
NEIC	Mw5.5(HRV)							
NEIC	MD 4.6 (MPR).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c17; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.07; $M_{\theta\theta}$−0.57±.19; $M_{\phi\phi}$−0.09±.14; $M_{r\theta}$−1.19±.23; $M_{r\phi}$1.31±.20; $M_{\theta\phi}$0.18±.09. Principal Axes: T 1.96,Plg54°,Azm234°; N −0.16, Plg8°,Azm134°; P −1.80,Plg35°,Azm39°. Best double couple: $M_0$1.9×10^{17}Nm, NP1:ϕ_S95°, δ12°,λ51°. NP2:ϕ_S315°,δ81°,λ98°.							
ISC	**III**	**17 06 05 28**±1.0	**19.1N**±.11	**62.6W**±.17	**33**	**3.5b**	**7**	**3-70**
EIDC	III	17 06 05 16.5	18.0N	61.8W	0	3.6b		**¶97iii3332**
ISC	**III**	**17 07 00 13.4**±.48	**19.13N**±.055	**62.90W**±.068	**33**	**3.9b**	**24**	**2-70**
EIDC	III	17 07 00 10.2	19.2N	62.8W	0	3.9b		**¶97iii3336**
NEIC	III	17 07 00 12.7	19.05N	62.85W	33	3.8b		
NEIC	M_D4.1(MPR).							
ISC	**III**	**17 22 42 06**±2.9	**15.9N**±.11	**60.9W**±.21	**69**±37		**9**	**0-2**
TRN	III	17 22 42 05.8	15.8N	60.9W	56			**¶97iii3448**
TRN	MD3.1 (after FDF)							
EIDC	**III**	**18 01 21 25.4**	**19.9N**	**63.4W**	**0**	**3.7b**		**3-55**
								¶97iii3464
ISC	**III**	**19 09 25 46**±4.4	**15.8N**±.27	**60.9W**±.29	**25**		**5**	**1-1**
TRN	III	19 09 25 43.7	15.8N	60.9W	25			**¶97iii3675**
TRN	MD2.8 (after FDF)							
ISC	**III**	**20 17 49 30**±3.0	**16.0N**±.13	**61.0W**±.24	**29**±13		**7**	**0-1**
TRN	III	20 17 49 29.5	16.0N	61.1W	27			**¶97iii3932**
TRN	MD2.9 (after PAG)							
ISC	**III**	**21 20 38 17**±2.3	**16.0N**±.10	**60.9W**±.20	**29**		**6**	**0-1**
TRN	III	21 20 38 16.3	16.0N	60.9W	29			**¶97iii4130**
TRN	MD2.9 (after FDF)							
TRN	**III**	**22 00 06 58.2**	**15.4N**	**61.3W**	**3**	**2.5D**		**¶97iii4162**
ISC	**III**	**25 04 06 36**±4.5	**16.8N**±.19	**61.1W**±.33	**18**		**6**	**1-1**
TRN	III	25 04 06 34.0	16.8N	61.1W	18	2.9D		**¶97iii4671**
TRN	MD2.7 (after PAG)							
ISC	**III**	**25 13 24 29.6**±.85	**15.2N**±.13	**61.1W**±.40	**146**		**8**	**0-1**
TRN	III	25 13 24 28.8	15.2N	61.1W	146			**¶97iii4735**
TRN	MD2.9 (after FDF)							
ISC	**III**	**25 16 26 55.5**±.95	**15.31N**±.061	**61.3W**±.15	**17**		**8**	**0-1**
TRN	III	25 16 26 53.6	15.4N	61.3W	17	2.7D		**¶97iii4756**
TRN	MD2.6 (after DEG)							
ISC	**III**	**25 16 36 03**±5.7	**16.4N**±.44	**60.9W**±.63	**45**		**4**	**0-1**
TRN	III	25 16 36 02.1	16.3N	60.9W	45			**¶97iii4760**
ISC	Poorly determined							
TRN	MD2.2 (after DEG)							
TRN	**III**	**25 21 43 50.6**	**15.3N**	**61.4W**	**15**			**¶97iii4799**
TRN	$MD_{3.0}$ (BBL)							
ISC	**III**	**26 07 33 49**±2.3	**15.13N**±.063	**59.9W**±.21	**22**		**18**	**1-5**
NEIC	III	26 07 33 49.0	15.16N	59.76W	33			**¶97iii4857**
TRN	III	26 07 33 49.2	15.1N	60.0W	22	3.8D		
NEIC	Single network solution.							
TRN	MD3.7 (after FDF)							
TRN	**III**	**26 19 05 58.9**	**17.0N**	**59.6W**	**8**			**¶97iii5058**
TRN	MD3.8 (after FDF)							
ISC	**III**	**27 05 46 13**±1.4	**19.0N**±.16	**63.1W**±.16	**63**	3.3b	**7**	**2-56**
NEIC	III	27 05 46 11.1	19.17N	63.00W	33	3.3b		**¶97iii5148**
TRN	III	27 05 46 14.0	18.9N	63.0W	63	3.6D		
NEIC	Less reliable solution.							
TRN	MD3.8 (after PAG)							
TRN	**III**	**27 23 22 23.1**	**16.0N**	**60.8W**	**21**			**¶97iii5330**
TRN	MD2.5 (after PAG)							
ISC	**III**	**28 06 55 16**±3.0	**16.4N**±.32	**61.6W**±.38	**40**		**4**	**0-1**
TRN	III	28 06 55 14.5	16.4N	61.7W	40			**¶97iii5375**
ISC	Poorly determined							
TRN	MD2.4 (after PAG)							
ISC	**IV**	**05 21 05 42.6**±.73	**19.1N**±.14	**63.1W**±.19	**33**	**4.0b,**4.6s	**12**	**3-70**
EIDC	IV	05 21 05 39.5	19.1N	63.1W	0	4.0b,4.6s		**¶97iv0856**
NEIC	IV	05 21 05 42.5	19.08N	63.12W	33	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**06 00 14 23**±10	**16.6N**±.81	**61.3W**±.17	**33**		**5**	**0-1**
TRN	IV	06 00 14 23.6	16.4N	61.2W	33			**¶97iv0888**
TRN	MD2.2 (after DEG)							
ISC	**IV**	**06 00 20 41**±3.3	**16.0N**±.18	**60.6W**±.27	**26**±19		**8**	**1-1**
TRN	IV	06 00 20 40.0	15.9N	60.8W	27			**¶97iv0890**
EIDC	**IV**	**06 07 08 12.5**	**18.8N**	**62.3W**	**0**	**3.4b**		**2-71**
								¶97iv0957
TRN	**IV**	**06 16 30 21.2**	**15.9N**	**61.6W**	**152**			**¶97iv1017**
ISC	**IV**	**08 18 42 48**±5.2	**15.9N**±.20	**60.9W**±.42	**32**±15		**6**	**0-1**
TRN	IV	08 18 42 47.7	16.0N	61.0W	35			**¶97iv1390**
TRN	MD2.4 (after DEG)							
ISC	**IV**	**13 02 46 24**±1.7	**17.4N**±.12	**62.3W**±.11	**21**±13		**10**	**0-2**
TRN	IV	13 02 46 22.2	17.3N	62.3W	15	3.7D		**¶97iv2175**
NEIC	IV	13 02 46 23.2	17.40N	62.29W	33			
NEIC	Single network solution.							
ISC	**IV**	**13 12 01 50**±3.1	**16.7N**±.26	**61.4W**±.18	**33**		**4**	**1-1**
TRN	IV	13 12 01 48.3	16.7N	61.5W	33			**¶97iv2236**
ISC	Poorly determined							
ISC	**IV**	**14 14 06 22**±8.3	**16.2N**±.24	**60.8W**±.59	**25**		**4**	**0-1**
TRN	IV	14 14 06 21.3	16.1N	60.8W	25			**¶97iv2470**
ISC	Poorly determined							
TRN	ML2.3 (after DEG)							
TRN	**IV**	**18 01 22 21.0**	**15.0N**	**60.7W**	**62**			**¶97iv3005**
TRN	MD2.1 (after FDF)							
ISC	**IV**	**20 05 59 16**±3.2	**17.3N**±.15	**61.6W**±.21	**47**±31		**8**	**0-1**
TRN	IV	20 05 59 15.7	17.3N	61.6W	45	3.5D		**¶97iv3280**
ISC	**IV**	**20 08 51 52**±3.8	**17.3N**±.27	**61.8W**±.21	**28**		**5**	**0-1**
TRN	IV	20 08 51 50.9	17.2N	61.8W	28	2.9D		**¶97iv3292**
ISC	**IV**	**20 22 18 28**±4.4	**16.2N**±.24	**60.6W**±.28	**24**		**8**	**0-2**
TRN	IV	20 22 18 27.9	16.1N	60.7W	24			**¶97iv3367**
TRN	MD3.1 (after FDF)							
TRN	**IV**	**21 04 24 06.2**	**17.0N**	**62.5W**	**144**	**3.0D**		**¶97iv3404**
TRN	**IV**	**21 10 34 13.1**	**16.7N**	**59.6W**	**35**			**¶97iv3446**
ISC	**IV**	**24 14 04 48**±4.2	**16.1N**±.23	**62.0W**±.31	**13**±24		**5**	**0-1**
TRN	IV	24 14 04 46.1	16.1N	62.0W	32			**¶97iv4157**
ISC	Poorly determined							
TRN	ML2.2 (after PAG)							
ISC	**IV**	**28 22 44 08**±3.6	**17.5N**±.19	**61.4W**±.22	**23**±16	3.9b	**10**	**0-58**
TRN	IV	28 22 44 04.7	17.4N	61.3W	5	3.3D		**¶97iv4989**
TRN	**V**	**02 07 29 06.1**	**15.3N**	**61.0W**	**148**			**¶97v0226**
TRN	MD2.5 (after FDF)							
ISC	**V**	**02 14 03 23**±9.4	**17.3N**±.52	**61.2W**±.51	**71**±59		**7**	**1-1**
TRN	V	02 14 03 25.7	17.1N	61.5W	53	3.0D		**¶97v0279**
TRN	MD3.2 (after DEG)							
ISC	**V**	**02 20 22 30**±2.4	**16.1N**±.11	**61.3W**±.21	**105**±25		**11**	**0-2**
TRN	V	02 20 22 29.9	16.1N	61.3W	95	3.0D		**¶97v0326**
TRN	MD3.2 (after PAG)							
ISC	**V**	**04 01 11 03**±1.9	**17.5N**±.15	**62.3W**±.17	**63**		**9**	**0-2**
TRN	V	04 01 11 01.4	17.5N	62.3W	63	3.5D		**¶97v0533**
NEIC	V	04 01 11 04.6	17.48N	62.26W	33			
NEIC	Single network solution.							
ISC	**V**	**06 10 26 47**±10	**15.1N**±.16	**59.4W**±.86	**53**		**5**	**2-2**
TRN	V	06 10 26 51.4	15.0N	59.9W	53	3.5D		**¶97v0948**
ISC	**V**	**06 16 07 53**±1.5	**15.51N**±.063	**60.8W**±.13	**25**		**10**	**1-1**
TRN	V	06 16 07 51.7	15.5N	60.8W	25	2.7D		**¶97v0985**
TRN	MD2.9 (after FDF)							
ISC	**V**	**07 10 13 47**±2.8	**16.7N**±.13	**61.3W**±.22	**22**		**8**	**1-1**
TRN	V	07 10 13 45.8	16.7N	61.3W	22	3.0D		**¶97v1080**
ISC	**V**	**07 12 22 26**±8.8	**15.8N**±.33	**60.4W**±.58	**4**		**5**	**1-1**
TRN	V	07 12 22 24.5	15.7N	60.5W	4			**¶97v1102**
TRN	**V**	**08 07 18 30.8**	**18.4N**	**61.8W**	**75**	**3.3D**		**¶97v1201**
TRN	MD3.5 (after PAG)							
ISC	**V**	**09 04 37 40**±12	**18.1N**±.78	**62.6W**±.53	**63**		**5**	**1-1**
TRN	V	09 04 37 40.7	18.0N	62.6W	63	2.8D		**¶97v1361**
ISC	**V**	**12 03 10 23**±5.6	**16.0N**±.35	**61.1W**±.39	**33**±40		**5**	**0-1**
TRN	V	12 03 10 22.2	16.0N	61.1W	36			**¶97v1879**
ISC	Poorly determined							
ISC	**V**	**13 19 57 36**±1.9	**15.6N**±.52	**61.4W**±.84	**148**		**4**	**0-1**
TRN	V	13 19 57 35.1	15.5N	61.4W	148			**¶97v2311**
ISC	Poorly determined							
TRN	**V**	**14 04 15 50.1**	**17.1N**	**62.0W**	**88**			**¶97v2387**
TRN	MD2.9 (after PAG)							
ISC	**V**	**15 01 54 46**±5.1	**15.3N**±.21	**60.5W**±.55	**67**		**6**	**1-2**
TRN	V	15 01 54 46.2	15.3N	60.7W	67	3.4D		**¶97v2541**
TRN	MD2.5 (after FDF)							
TRN	**V**	**18 23 38 18.7**	**15.1N**	**61.1W**	**141**			**¶97v3163**
TRN	MD2.4 (after FDF)							
ISC	**V**	**26 07 43 28.1**±.85	**18.88N**±.098	**62.7W**±.16	**33**	**3.3b**	**12**	**1-71**
TRN	V	26 07 43 21.6	19.1N	63.2W	84	3.7D		**¶97v4386**
EIDC	V	26 07 43 24.1	18.8N	62.5W	0	3.3b,4.3L		
NEIC	V	26 07 43 27.9	18.86N	62.72W	33	3.4b		
TRN	MD3.9 (after PAG)							
NEIC	Poor solution.							
ISC	**V**	**26 19 14 23**±8.4	**17.3N**±.52	**61.2W**±.33	**10**		**9**	**1-2**
TRN	V	26 19 14 19.6	17.4N	61.2W	10	3.1D		**¶97v4451**
TRN	MD3.3 (after DEG)							
ISC	**V**	**28 19 23 46**±1.0	**15.9N**±.10	**61.2W**±.21	**93**		**8**	**0-1**
TRN	V	28 19 23 45.0	15.9N	61.2W	93			**¶97v4764**
TRN	MD2.6 (after PAG)							
TRN	**V**	**31 03 13 07.7**	**18.5N**	**62.7W**	**49**	**3.7D**		**¶97v5142**
TRN	MD3.7 (after PAG)							
ISC	**V**	**31 20 03 38**±4.5	**17.3N**±.41	**61.8W**±.30	**40**		**4**	**0-1**
TRN	V	31 20 03 37.6	17.3N	61.8W	40	2.6D		**¶97v5234**
ISC	Poorly determined							
ISC	**VI**	**11 04 16 37**±2.1	**15.9N**±.12	**61.1W**±.30	**100**±24		**15**	**0-2**
TRN	VI	11 04 16 37.0	15.9N	61.1W	88	3.3D		**¶97vi1611**
TRN	MD3.1 (after FDF)							
ISC	**VI**	**17 11 31 22**±4.2	**17.3N**±.30	**62.0W**±.14	**25**±17		**6**	**0-1**
TRN	VI	17 11 31 20.5	17.3N	62.0W	30	2.8D		**¶97vi2609**
ISC	**VI**	**24 04 25 12**±4.7	**17.3N**±.19	**61.8W**±.21	**74**±48		**6**	**0-1**
TRN	VI	24 04 25 11.7	17.3N	61.9W	60	2.8D		**¶97vi3633**
ISC	**VI**	**24 19 51 52**±1.8	**16.2N**±.44	**61.3W**±.59	**119**		**4**	**0-1**
TRN	VI	24 19 51 51.5	16.2N	61.4W	119			**¶97vi3774**
ISC	Poorly determined							
TRN	MD2.4 (after FDF)							
TRN	**VI**	**28 16 07 13.4**	**17.8N**	**62.1W**	**20**	**3.3D**		**¶97vi4502**
TRN	MD3.7 (after DEG)							
TRN	**VI**	**30 06 10 09.1**	**18.9N**	**61.9W**	**63**	**3.6D**		**¶97vi4715**
TRN	MD3.6 (after PAG)							

(94) Caribbean Sea.

ISC	**I**	**17 00 18 59**±2.0	**16.8N**±.45	**71.6W**±.10	**96**±2.8*	**3.9b**	**18**	**5-144**
NEIC	I	17 00 18 58.2	18.54N	71.76W	33	3.7b		**¶97i2379**
EIDC	I	17 00 19 08.7	18.9N	71.8W	93	3.6b		
NEIC	Poor solution.							
ISC	**II**	**15 16 50 49.3**±.85	**13.0N**±.15	**82.0W**±.30	**33**	**3.6b**	**9**	**26-144**
EIDC	II	15 16 50 46.6	12.9N	82.3W	0	3.6b		**¶97ii2264**
ISC	**III**	**09 07 33 08**±5.4	**17.9N**±.18	**82.4W**±.15	**60**±47	**3.8b**	**17**	**17-146**
NEIC	III	09 07 33 01.5	17.71N	82.44W	10	3.9b		**¶97iii1930**
EIDC	III	09 07 33 08.2	17.9N	82.4W	41	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**26 01 15 42**±3.4	**17.12N**±.086	**85.52W**±.073	**21**±24	**4.5b,4.2s**	**55**	**11-144**
NEIC	III	26 01 15 39.8	17.01N	85.52W	10	4.6b		**¶97iii4822**
EIDC	III	26 01 16 00.6	17.9N	85.8W	121	4.0b,4.2s		
ISC	**IV**	**15 07 51 02.4**±.21	**16.29N**±.036	**86.94W**±.031	**36**±2.3*	**4.9b,4.8s**	**247**	**5-150**
HRVD	IV	15 07 51 01.4±.3	16.54N±.04	87.03W±.03	27±3.7			**¶97iv2579**
NEIC	IV	15 07 51 02.8	16.45N	86.84W	33	5.0b,4.9s		
EIDC	IV	15 07 51 03.5	16.3N	87.0W	33	4.5b,4.5s		
MOS	IV	15 07 51 07.6	16.8N	86.2W	33	5.5b,4.8s		
BJI	IV	15 07 51 07.8	16.50N	86.80W	28	5.7s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c60; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11±.05; $M_{\theta\theta}$−1.63±.08; $M_{\phi\phi}$1.52±.07; $M_{r\theta}$0.39±.18; $M_{r\phi}$−0.37±.16; $M_{\theta\phi}$1.39±.05. Principal Axes: T 2.07,Plg6°,Azm110°; N 0.19, Plg77°,Azm353°; P −2.26,Plg12°,Azm201°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_S245°,δ77°,λ−4°. NP2:ϕ_S336°,δ86°,λ−167°.							
NEIC	Mw5.5(HRV).							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V 09 20 51 16**±1.7	**17.5N**±.19	**85.1W**±.13	**33**	**4.2b,3.0s**	**27**	**16-144**
NEIC	V 09 20 51 15.3	17.50N	85.05W	33	4.3b		**¶97v1485**
EIDC	V 09 20 51 16.1	18.0N	85.1W	0	4.2b,3.3s		
NEIC	Less reliable solution.						
ISC	**VI 23 22 32 02.8**±.79	**12.43N**±.089	**81.5W**±.16	**33**	**3.5b**	**14**	**4-145**
NEIC	VI 23 22 32 03.7	11.86N	82.76W	33	3.9b		**¶97vi3601**
EIDC	VI 23 22 32 07.1	11.6N	83.3W	35	3.4b		
NEIC	Poor solution.						

(95) Windward Islands.

TRN	**I 03 11 58 18.7**	**11.2N**	**62.1W**	**32**	**3.0D**		**¶97i0366**
ISC	**I 05 09 08 36**±15	**11.6N**±.92	**61.6W**±.55	**24**		**4**	**1-1**
TRN	I 05 09 08 36.2	11.6N	61.6W	24	3.0D		**¶97i0645**
ISC	Poorly determined						
ISC	**I 05 23 00 55**±1.2	**14.65N**±.092	**61.03W**±.097	**7**		**4**	**0-0**
TRN	I 05 23 00 53.3	14.6N	61.0W	7	1.7L		**¶97i0718**
ISC	Poorly determined						
TRN	**I 07 00 39 50.9**	**11.2N**	**62.0W**	**69**	**3.1D**		**¶97i0858**
TRN	**I 08 07 25 10.7**	**12.1N**	**59.2W**	**72**			**¶97i1037**
TRN	Magnitude4.2 (after FDF)						
ISC	**I 10 08 50 16.4**±.92	**11.14N**±.083	**61.16W**±.082	**28**		**7**	**0-1**
TRN	I 10 08 50 16.2	11.1N	61.2W	28	2.8D		**¶97i1335**
NEIC	I 10 08 50 16.3	11.14N	61.13W	33			
NEIC	Single network solution.						
TRN	**I 14 10 17 02.4**	**14.8N**	**60.2W**	**35**			**¶97i1980**
TRN	Magnitude2.7						
TRN	**I 16 18 57 34.6**	**11.1N**	**61.9W**	**44**	**3.1D**		**¶97i2345**
ISC	**I 18 00 04 52**±1.6	**11.0N**±.11	**61.8W**±.17	**31**±16		**7**	**0-1**
NEIC	I 18 00 04 51.9	11.04N	61.77W	33			**¶97i2567**
TRN	I 18 00 04 52.1	11.1N	61.7W	26	3.2D		
NEIC	Single network solution.						
TRN	**I 18 05 24 09.4**	**13.8N**	**60.0W**	**61**			**¶97i2604**
ISC	**I 18 16 56 26.8**±.65	**11.65N**±.058	**61.2W**±.12	**98**±9.9	**3.2b**	**17**	**1-63**
NEIC	I 18 16 56 25.9	11.84N	61.09W	90	3.3b		**¶97i2690**
TRN	I 18 16 56 28.5	11.7N	61.3W	73	3.3D		
EIDC	I 18 16 57 08.7	18.5N	64.6W	0	3.5b		
NEIC	Less reliable solution.						
ISC	**I 20 19 45 53**±1.6	**11.1N**±.31	**62.3W**±.13	**75**±48		**7**	**1-5**
TRN	I 20 19 45 53.8	11.0N	62.2W	90	3.2D		**¶97i3073**
TRN	**I 21 07 27 23.2**	**11.6N**	**62.0W**	**47**	**3.1D**		**¶97i3154**
TRN	**I 22 19 08 03.6**	**13.6N**	**60.5W**	**35**			**¶97i3371**
ISC	**I 26 02 26 29**±7.3	**11.2N**±.37	**60.2W**±.78	**90**		**5**	**0-2**
TRN	I 26 02 26 28.0	11.2N	60.2W	89	2.8D		**¶97i3879**
NEIC	I 26 02 26 28.8	11.19N	60.19W	90			
NEIC	Poor solution.						
ISC	**I 26 06 29 16**±4.3	**11.1N**±.27	**60.4W**±.52	**57**±18	3.4b	**7**	**0-64**
TRN	I 26 06 29 10.6	11.2N	60.1W	64	3.5D		**¶97i3898**
ISC	**I 26 23 40 28**±8.3	**14.9N**±.20	**60.2W**±.62	**29**±20		**7**	**1-2**
TRN	I 26 23 40 29.7	14.9N	60.4W	35	3.1D		**¶97i4015**
TRN	Magnitude3.1 (after FDF)						
ISC	**I 28 12 28 39**±2.0	**11.4N**±.21	**61.9W**±.11	**50**		**6**	**1-5**
TRN	I 28 12 28 40.5	11.3N	61.8W	50	3.0D		**¶97i4208**
NEIC	I 28 12 28 40.9	11.27N	61.71W	10			
NEIC	Poor solution.						
ISC	**I 29 17 54 46**±1.8	**14.84N**±.071	**60.5W**±.19	**51**	3.4b	**19**	**0-61**
TRN	I 29 17 54 45.2	14.8N	60.5W	51	3.9D,3.8L		**¶97i4382**
NEIC	I 29 17 54 46.2	14.83N	60.51W	50			
TRN	Felt I=II MM on Martinique						
ISC	**II 03 17 46 09.9**±.97	**11.41N**±.094	**61.34W**±.087	**35**		**8**	**1-6**
TRN	II 03 17 46 08.7	11.4N	61.3W	35	3.4D		**¶97ii0407**
NEIC	II 03 17 46 09.7	11.42N	61.35W	33			
NEIC	Single network solution.						
NEIC	Felt I=II MM on Trinidad.						
TRN	**II 03 23 18 17.9**	**11.3N**	**61.8W**	**35**	**3.1D**		**¶97ii0436**
TRN	**II 11 19 49 25.1**	**14.1N**	**60.4W**	**25**			**¶97ii1666**
TRN	ML2.6 (after FDF)						
ISC	**II 12 15 34 54**±2.5	**11.5N**±.13	**62.0W**±.33	**98**		**6**	**1-1**
TRN	II 12 15 34 52.2	11.5N	62.3W	98	3.4D		**¶97ii1781**
NEIC	II 12 15 34 53.2	11.54N	62.07W	100			
NEIC	Poor solution.						
ISC	**II 19 04 05 19**±8.3	**11.1N**±.25	**61.9W**±.48	**3**		**6**	**0-1**
TRN	II 19 04 05 18.8	11.2N	61.9W	3	3.0D		**¶97ii2733**
ISC	**II 22 05 08 07**±7.2	**14.7N**±.58	**60.5W**±.80	**68**		**4**	**0-1**
TRN	II 22 05 08 05.9	14.7N	60.5W	68			**¶97ii3169**
ISC	Poorly determined						
TRN	ML2.7 (after FDF)						
TRN	**II 25 00 59 49.4**	**14.7N**	**60.6W**	**69**			**¶97ii3559**
TRN	Mmagnitude 2.5 (after FDF)						
TRN	**II 25 21 46 46.0**	**14.5N**	**59.9W**	**66**			**¶97ii3696**
TRN	Magnitude 3.2 (after FDF), ML3.2 (BBL)						
ISC	**II 27 04 32 02**±4.6	**11.2N**±.26	**61.7W**±.31	**30**		**6**	**0-1**
TRN	II 27 04 31 57.4	11.4N	62.0W	30	3.3D		**¶97ii3904**
TRN	**II 27 07 09 06.4**	**14.0N**	**60.4W**	**35**			**¶97ii3916**
TRN	Magnitude 2.8 (after FDF)						
ISC	**III 01 20 52 48**±2.5	**11.0N**±.15	**62.0W**±.17	**122**±43		**10**	**0-4**
TRN	III 01 20 52 48.0	10.9N	61.9W	137	3.9D		**¶97iii0186**
TRN	Felt I=III MM at St. Augustine, Maracas and Fort George						
ISC	**III 02 00 31 32.1**±.46	**11.30N**±.063	**62.11W**±.064	**130**±6.2	**3.4b**	**23**	**1-145**
NEIC	III 02 00 31 28.4	11.42N	62.31W	100			**¶97iii0219**
EIDC	III 02 00 31 31.7	11.5N	62.4W	116	3.4b		
TRN	III 02 00 31 32.8	11.2N	62.1W	130	3.6D		
NEIC	Single network solution.						
TRN	MD4.4 (after FDF)						
ISC	**III 02 10 34 12.6**±.44	**11.05N**±.073	**62.32W**±.060	**117**±6.4	**3.7b**	**25**	**1-80**
NEIC	III 02 10 34 11.2	11.09N	62.50W	100	3.4b		**¶97iii0286**
TRN	III 02 10 34 12.6	10.9N	62.2W	136	3.5D		
EIDC	III 02 10 34 13.7	11.2N	62.6W	105	3.5b		
NEIC	Poor solution.						
TRN	MD4.4 (after FDF)						
TRN	**III 03 04 14 39.4**	**11.3N**	**62.4W**	**61**	**2.8D**		**¶97iii0476**
ISC	**III 09 06 49 07**±3.6	**12.11N**±.092	**59.8W**±.39	**17**		**10**	**2-4**
TRN	III 09 06 49 03.1	11.9N	59.6W	17	3.6D		**¶97iii1924**
TRN	MD4.1 (after FDF)						
TRN	**III 10 18 31 43.1**	**11.4N**	**61.9W**	**60**	**2.8D**		**¶97iii2257**
TRN	**III 12 15 02 36.3**	**11.4N**	**62.1W**	**68**	**3.0D**		**¶97iii2553**
ISC	**III 16 05 41 35**±5.8	**12.41N**±.089	**59.4W**±.62	**59**±41	3.6b	**9**	**2-63**
TRN	III 16 05 41 34.5	12.4N	59.4W	28	3.9D		**¶97iii3168**
TRN	MD4.1 (after FDF)						
ISC	**III 16 06 17 45**±4.0	**12.40N**±.081	**59.5W**±.38	**15**		**8**	**2-4**
TRN	III 16 06 17 43.7	12.4N	59.5W	15	3.8D		**¶97iii3179**
TRN	MD4.2 (after FDF)						
TRN	**III 17 18 29 28.7**	**14.3N**	**60.3W**	**21**			**¶97iii3416**
TRN	MD2.8 (after FDF)						
TRN	**III 22 13 36 40.9**	**11.3N**	**61.8W**	**12**	**2.9D**		**¶97iii4269**
ISC	**IV 02 06 14 33.6**±.34	**11.47N**±.023	**61.19W**±.019	**73**±3.0	**5.6b**	**653**	**0-171**
EIDC	IV 02 06 14 27.7	11.4N	61.1W	16	5.4b,5.0s		**¶97iv0196**
NEIC	IV 02 06 14 31.0	11.41N	60.94W	45	5.8b,5.5s		
BJI	IV 02 06 14 31.4	11.76N	61.26W	45	6.0s		
TRN	IV 02 06 14 32.4	11.4N	60.8W	34	5.6D		
MOS	IV 02 06 14 32.6	11.5N	61.2W	61	6.1b,5.4s		
HRVD	IV 02 06 14 35.6±.1	11.39N±.01	60.74W±.01	34±1.0			
NEIC	Mw6.1(GS)						
NEIC	Mw 6.1 (HRV). Some damage to buildings on Trinidad and Tobago. Felt I=VI MM on Tobago; IV MM on Trinidad; II MM on Martinique and St. Vincent. Also felt II MM in Guyana.						
NEIC	Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}−0.10; $M_{\theta\theta}$0.21; $M_{\phi\phi}$−0.11; $M_{r\theta}$0.47; $M_{r\phi}$−0.02; $M_{\theta\phi}$1.43. Depth 46km; Principal axes: T 1.56,Plg12°,Azm320°; N −0.09,Plg72°, Azm88°; P −1.47,Plg14°,Azm227°. Best double couple: $M_0$1.5×10^{18}Nm; NP1:ϕ_S3°,δ72°, λ−178°. NP2:ϕ_S273°,δ88°,λ−18°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c102; Mantle waves: s49,c71; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.08±.01; $M_{\theta\theta}$−0.57±.01; $M_{\phi\phi}$0.64±.01; $M_{r\theta}$0.63±.03; $M_{r\phi}$−0.19±.03; $M_{\theta\phi}$1.21±.01. Principal Axes: T 1.42,Plg7°,Azm303°; N 0.18,Plg66°,Azm50°; P −1.59,Plg23°,Azm210°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S349°,δ69°,λ−168°. NP2:ϕ_S255°,δ79°,λ−22°.						
ISC	**IV 02 07 21 26.0**±.62	**11.36N**±.049	**60.82W**±.096	**70**±6.2	**4.1b**	**23**	**0-78**
NEIC	IV 02 07 21 17.9	11.53N	60.59W	10	4.3b		**¶97iv0203**
EIDC	IV 02 07 21 18.2	11.6N	60.5W	0	4.2b		
TRN	IV 02 07 21 26.8	11.5N	61.0W	17	3.8D		
NEIC	Poor solution.						
ISC	**IV 02 07 30 32**±1.0	**11.36N**±.085	**60.8W**±.33	**31**±18		**9**	**0-2**
TRN	IV 02 07 30 32.0	11.3N	60.7W	31	3.3D		**¶97iv0204**
ISC	**IV 02 07 42 48.2**±.87	**11.43N**±.059	**60.95W**±.090	**8**		**9**	**0-2**
TRN	IV 02 07 42 48.2	11.4N	61.0W	8	3.4D		**¶97iv0208**
ISC	**IV 02 07 57 03**±1.8	**11.53N**±.099	**61.1W**±.31	**17**		**4**	**1-2**
TRN	IV 02 07 57 02.7	11.5N	61.0W	17	3.3D		**¶97iv0209**
ISC	Poorly determined						
ISC	**IV 02 08 27 45**±1.0	**11.35N**±.063	**60.7W**±.15	**46**	3.5b	**11**	**0-64**
TRN	IV 02 08 27 44.3	11.3N	60.6W	46	3.7D		**¶97iv0212**
ISC	**IV 02 08 47 33**±2.1	**11.43N**±.076	**61.0W**±.16	**13**±26	3.9b	**15**	**0-64**
TRN	IV 02 08 47 33.3	11.4N	61.0W	13	3.8D		**¶97iv0216**
ISC	**IV 02 09 05 13**±2.0	**11.51N**±.093	**60.9W**±.30	**3**		**7**	**1-2**
TRN	IV 02 09 05 13.1	11.5N	61.0W	3	3.2D		**¶97iv0218**
ISC	**IV 02 09 17 02**±2.6	**11.43N**±.099	**60.7W**±.34	**44**±39		**9**	**0-2**
TRN	IV 02 09 17 03.1	11.4N	60.8W	32	3.3D		**¶97iv0220**
ISC	**IV 02 09 20 19**±1.3	**11.4N**±.11	**60.8W**±.35	**29**±20		**8**	**0-2**
TRN	IV 02 09 20 19.5	11.4N	60.8W	26	3.4D		**¶97iv0221**
ISC	**IV 02 10 38 21**±3.9	**11.3N**±.43	**60.8W**±.20	**41**		**5**	**0-1**
TRN	IV 02 10 38 20.5	11.3N	60.8W	41	3.6D		**¶97iv0233**
ISC	**IV 02 11 48 35.7**±.89	**11.46N**±.061	**60.9W**±.10	**16**	3.7b	**8**	**0-64**
TRN	IV 02 11 48 35.6	11.4N	61.0W	16	3.3D		**¶97iv0242**
ISC	**IV 02 12 10 06**±2.8	**11.4N**±.11	**60.8W**±.36	**43**±42		**9**	**0-2**
TRN	IV 02 12 10 06.5	11.4N	60.7W	44	3.2D		**¶97iv0246**
ISC	**IV 02 15 58 46**±3.5	**11.4N**±.15	**60.7W**±.34	**44**		**5**	**0-1**
TRN	IV 02 15 58 46.3	11.4N	60.7W	44	2.9D		**¶97iv0267**
ISC	**IV 02 16 46 55**±2.0	**11.35N**±.077	**60.8W**±.24	**39**±36		**10**	**0-5**
TRN	IV 02 16 46 53.8	11.3N	60.7W	46	3.3D		**¶97iv0273**
ISC	**IV 02 17 36 50**±2.3	**11.4N**±.11	**60.8W**±.40	**85**		**6**	**1-2**
TRN	IV 02 17 36 50.3	11.3N	60.8W	85	3.3D		**¶97iv0278**
ISC	**IV 02 18 29 22**±1.5	**11.46N**±.084	**61.0W**±.37	**74**		**6**	**1-2**
TRN	IV 02 18 29 21.5	11.4N	60.9W	74	3.2D		**¶97iv0285**
ISC	**IV 02 20 30 20**±1.1	**11.42N**±.067	**60.8W**±.25	**33**±18		**9**	**0-2**
TRN	IV 02 20 30 20.1	11.4N	60.9W	26	3.4D		**¶97iv0312**
ISC	**IV 03 02 17 00.5**±.95	**11.42N**±.091	**60.9W**±.19	**14**±23		**9**	**0-2**
TRN	IV 03 02 17 00.6	11.4N	60.9W	26	3.4D		**¶97iv0365**
TRN	**IV 03 03 42 04.2**	**15.0N**	**60.6W**	**32**			**¶97iv0376**
TRN	MD2.3						
ISC	**IV 03 04 57 27.3**±.94	**11.50N**±.060	**60.9W**±.12	**16**±15		**10**	**0-2**
TRN	IV 03 04 57 27.0	11.5N	61.0W	15	3.4D		**¶97iv0381**
ISC	**IV 03 09 30 21**±1.4	**11.37N**±.065	**60.7W**±.20	**65**		**10**	**0-2**
TRN	IV 03 09 30 19.9	11.3N	60.5W	65	3.4D		**¶97iv0404**
ISC	**IV 03 10 55 24**±1.2	**11.47N**±.066	**60.8W**±.25	**27**±21		**9**	**0-2**
TRN	IV 03 10 55 23.7	11.4N	60.8W	29	2.8D		**¶97iv0416**
ISC	**IV 03 11 08 56**±2.6	**11.3N**±.14	**60.8W**±.43	**32**±24		**9**	**0-2**
TRN	IV 03 11 08 55.7	11.4N	60.9W	8	3.0D		**¶97iv0419**
ISC	**IV 03 14 00 30**±2.1	**11.4N**±.14	**60.8W**±.40	**26**±28		**8**	**0-2**
TRN	IV 03 14 00 29.6	11.4N	60.8W	27	3.3D		**¶97iv0438**
ISC	**IV 03 15 45 35**±2.6	**11.2N**±.25	**61.0W**±.13	**10**		**5**	**0-1**
TRN	IV 03 15 45 31.1	11.4N	60.8W	39	3.2D		**¶97iv0448**
NEIC	IV 03 15 45 35.4	11.16N	60.95W	10			
NEIC	Poor solution.						
ISC	**IV 03 17 53 11**±1.3	**11.4N**±.12	**61.0W**±.14	**20**±34		**5**	**0-2**
TRN	IV 03 17 53 09.5	11.4N	60.9W	34	3.0D		**¶97iv0464**
NEIC	IV 03 17 53 10.5	11.42N	60.99W	10			
ISC	Poorly determined						
NEIC	Single network solution.						
ISC	**IV 03 19 17 49**±1.7	**11.4N**±.12	**61.0W**±.14	**10**		**4**	**0-1**
TRN	IV 03 19 17 45.6	11.5N	60.6W	52	3.1D		**¶97iv0468**
NEIC	IV 03 19 17 49.1	11.44N	60.99W	10			
ISC	Poorly determined						
NEIC	Poor solution.						
ISC	**IV 03 20 09 23**±1.6	**11.4N**±.10	**61.0W**±.12	**10**		**5**	**0-1**
TRN	IV 03 20 09 21.7	11.4N	60.9W	27	2.7D		**¶97iv0472**
NEIC	IV 03 20 09 22.8	11.40N	60.96W	10			
NEIC	Single network solution.						
ISC	**IV 04 06 20 26**±1.7	**11.4N**±.12	**61.0W**±.13	**10**		**4**	**0-1**
TRN	IV 04 06 20 24.1	11.4N	60.7W	37	2.5D		**¶97iv0557**
NEIC	IV 04 06 20 26.0	11.41N	60.96W	10			
ISC	Poorly determined						
NEIC	Poor solution.						
ISC	**IV 04 07 34 10**±1.4	**11.4N**±.10	**60.9W**±.12	**26**		**7**	**0-1**
TRN	IV 04 07 34 09.2	11.3N	60.8W	26	3.2D		**¶97iv0566**
NEIC	IV 04 07 34 10.3	11.37N	60.97W	10			
NEIC	Single network solution.						
ISC	**IV 04 08 12 51**±1.1	**11.29N**±.085	**60.96W**±.070	**10**		**7**	**0-1**
TRN	IV 04 08 12 50.3	11.3N	60.9W	18	3.4D		**¶97iv0572**
NEIC	IV 04 08 12 50.5	11.29N	60.96W	10			
NEIC	Single network solution.						

ISC	**IV**	**04 08 40 29**±1.3	**11.37N**±.094	**60.96W**±.086	**10**		**6**	**0-1**	
TRN	IV	04 08 40 26.8	11.4N	60.8W	32	3.0D			**¶97iv0577**
NEIC	IV	04 08 40 28.5	11.37N	60.96W	10				
NEIC	Single network solution.								
ISC	**IV**	**05 07 06 31.5**±.78	**11.16N**±.075	**60.72W**±.090	**21**±5.4	**3.8b**,3.0s	**20**	**0-78**	
EIDC	IV	05 07 06 29.0	10.8N	61.1W	0	3.9b,3.1s			**¶97iv0719**
NEIC	IV	05 07 06 29.5	11.36N	60.80W	10	4.2b			
TRN	IV	05 07 06 31.5	11.0N	60.6W	3	3.6D			
NEIC	Less reliable solution.								
NEIC	Felt slightly at Scarborough, Trinidad and Tobago.								
ISC	**IV**	**05 09 50 34**±1.8	**11.03N**±.087	**60.8W**±.18	**3**		**7**	**0-1**	
TRN	IV	05 09 50 33.8	11.0N	60.7W	3	2.8D			**¶97iv0746**
ISC	**IV**	**05 17 04 03.7**±.41	**11.10N**±.033	**61.00W**±.040	**56**±3.7	**4.6b,4.4s**	**135**	**0-163**	
TRN	IV	05 17 03 57.0	10.7N	60.1W	52	4.5D			**¶97iv0808**
EIDC	IV	05 17 03 58.5	11.1N	61.1W	0	4.6b,4.4s			
NEIC	IV	05 17 04 03.3	11.07N	61.02W	54	4.7b,4.4s			
NEIC	Felt slightly at Five Rivers, Port-of-Spain, Saint Augustine, Sangre Grande and Scarborough, Trinidad and Tobago.								
ISC	**IV**	**05 17 08 17**±1.9	**11.3N**±.11	**60.9W**±.10	**7**±14	**4.1b**	**23**	**0-163**	
TRN	IV	05 17 08 18.9	11.0N	60.8W	3	3.4D			**¶97iv0810**
EIDC	IV	05 17 08 30.8	11.4N	61.1W	99	3.7b			
ISC	**IV**	**05 18 50 22**±1.8	**11.05N**±.087	**60.8W**±.18	**3**		**7**	**0-1**	
TRN	IV	05 18 50 22.4	11.1N	60.8W	3	2.8D			**¶97iv0827**
ISC	**IV**	**05 20 30 20**±2.1	**11.7N**±.11	**60.8W**±.29	**3**		**5**	**1-63**	
TRN	IV	05 20 30 27.9	11.1N	60.8W	3	3.0D			**¶97iv0848**
ISC	**IV**	**05 23 13 12**±1.9	**11.03N**±.085	**60.8W**±.20	**3**	3.7b	**9**	**0-64**	
TRN	IV	05 23 13 11.8	11.0N	60.7W	3	3.4D			**¶97iv0875**
ISC	**IV**	**05 23 30 27**±2.6	**11.1N**±.14	**60.6W**±.24	**18**	3.0b	**6**	**0-64**	
TRN	IV	05 23 30 29.4	11.1N	60.8W	18	2.9D			**¶97iv0879**
ISC	**IV**	**06 04 58 00**±2.9	**11.1N**±.11	**60.7W**±.28	**13**		**5**	**0-1**	
TRN	IV	06 04 57 59.4	11.1N	60.7W	13	2.5D			**¶97iv0928**
ISC	**IV**	**06 17 05 02**±1.7	**11.1N**±.14	**60.8W**±.22	**10**		**7**	**0-2**	
TRN	IV	06 17 04 59.8	11.1N	60.9W	5	3.3D			**¶97iv1022**
NEIC	IV	06 17 05 02.1	11.09N	60.80W	10				
NEIC	Less reliable solution.								
ISC	**IV**	**08 09 33 00**±3.6	**11.5N**±.11	**60.8W**±.35	**17**		**4**	**1-2**	
TRN	IV	08 09 32 58.8	11.4N	60.7W	17	3.0D			**¶97iv1305**
ISC	Poorly determined								
TRN	**IV**	**08 10 05 42.0**	**11.0N**	**60.8W**	**3**	**2.8D**			**¶97iv1312**
NEIC	IV	08 10 05 44.7	11.04N	60.77W	5				
NEIC	Poor solution.								
ISC	**IV**	**08 11 11 08**±1.4	**11.40N**±.086	**61.0W**±.10	**2**		**6**	**0-1**	
TRN	IV	08 11 11 05.4	11.4N	61.0W	2	2.9D			**¶97iv1323**
NEIC	IV	08 11 11 08.2	11.41N	61.01W	5				
NEIC	Single network solution.								
ISC	**IV**	**08 14 13 41**±1.3	**11.05N**±.064	**60.63W**±.086	**12**±7.8	**3.9b**,3.5s	**22**	**0-144**	
EIDC	IV	08 14 13 40.0	11.3N	60.9W	0	3.9b,3.5s			**¶97iv1343**
TRN	IV	08 14 13 40.6	11.0N	60.8W	5	4.0D			
NEIC	IV	08 14 13 40.9	11.06N	60.62W	10	4.1b			
NEIC	Felt on Tobago.								
ISC	**IV**	**08 17 11 58.7**±.44	**11.05N**±.026	**61.02W**±.031	**45**±4.1	**5.0b,5.0s**	**314**	**0-163**	
TRN	IV	08 17 11 53.2	11.0N	60.7W	5	4.7D			**¶97iv1367**
NEIC	IV	08 17 11 53.6	11.05N	60.79W	5	5.2b,5.0s			
EIDC	IV	08 17 11 53.8	11.1N	61.0W	0	4.9b,5.1s			
BJI	IV	08 17 11 54.4	11.01N	60.87W	17				
MOS	IV	08 17 11 54.9	10.8N	60.6W	10	5.8b,4.9s			
HRVD	IV	08 17 11 59.0±.2	11.33N±.03	61.04W±.04	15				
NEIC	Mw5.5(HRV)								
NEIC	Felt I=IV MM on Trinidad and Tobago.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c57; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.44±.06; $M_{\theta\theta}$1.38±.05; $M_{\phi\phi}$0.07±.09; $M_{r\theta}$−0.18±.22; $M_{r\phi}$0.41±.21; $M_{\theta\phi}$−0.90±.06. Principal Axes: T 1.87,Plg6°,Azm208°; N −0.32, Plg14°,Azm299°; P −1.55,Plg75°,Azm94°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_s283°,δ41°,λ−111°. NP2:ϕ_s130°,δ53°,λ−73°.								
ISC	**IV**	**08 17 22 31.2**±.91	**11.08N**±.069	**60.8W**±.10	**5**		**10**	**0-5**	
TRN	IV	08 17 22 29.0	11.1N	60.8W	5	3.2D			**¶97iv1369**
NEIC	IV	08 17 22 31.2	11.08N	60.81W	5				
NEIC	Single network solution.								
ISC	**IV**	**08 17 30 03**±1.4	**11.1N**±.16	**60.8W**±.19	**5**		**4**	**0-1**	
TRN	IV	08 17 30 02.7	11.2N	60.9W	5	2.7D			**¶97iv1371**
NEIC	IV	08 17 30 02.8	11.12N	60.82W	5				
ISC	Poorly determined								
NEIC	Poor solution.								
ISC	**IV**	**08 17 31 22**±3.3	**11.0N**±.12	**60.8W**±.30	**5**		**4**	**0-1**	
NEIC	IV	08 17 31 21.7	11.04N	60.76W	5				**¶97iv1372**
TRN	IV	08 17 31 22.3	11.1N	60.8W	5	2.8D			
ISC	Poorly determined								
NEIC	Poor solution.								
ISC	**IV**	**08 17 40 10**±3.5	**11.2N**±.33	**60.8W**±.16	**16**		**4**	**0-1**	
NEIC	IV	08 17 40 08.1	11.26N	60.81W	5				**¶97iv1373**
TRN	IV	08 17 40 09.0	11.3N	60.9W	16	2.8D			
ISC	Poorly determined								
NEIC	Poor solution.								
ISC	**IV**	**08 17 42 37**±2.0	**11.02N**±.087	**60.7W**±.19	**5**		**8**	**0-5**	
NEIC	IV	08 17 42 37.3	11.03N	60.76W	5				**¶97iv1374**
TRN	IV	08 17 42 37.4	11.0N	60.7W	3	3.3D			
NEIC	Single network solution.								
ISC	**IV**	**08 17 44 53**±1.8	**11.08N**±.098	**60.7W**±.25	**9**±16		**7**	**0-1**	
NEIC	IV	08 17 44 52.5	11.09N	60.74W	10				**¶97iv1375**
TRN	IV	08 17 44 53.0	11.2N	60.9W	4	3.3D			
NEIC	Single network solution.								
ISC	**IV**	**08 17 53 02**±1.1	**11.06N**±.073	**60.8W**±.12	**5**		**10**	**0-5**	
TRN	IV	08 17 53 02.2	11.0N	60.7W	3	3.4D			**¶97iv1377**
NEIC	IV	08 17 53 02.2	11.07N	60.80W	5				
NEIC	Single network solution.								
ISC	**IV**	**08 18 00 41**±1.4	**11.1N**±.16	**60.9W**±.17	**3**		**4**	**0-1**	
TRN	IV	08 18 00 40.9	11.1N	60.9W	3	2.5D			**¶97iv1379**
ISC	Poorly determined								
ISC	**IV**	**08 18 05 24**±1.8	**11.04N**±.095	**60.8W**±.18	**5**		**6**	**0-1**	
TRN	IV	08 18 05 23.5	11.0N	60.7W	3	3.0D			**¶97iv1380**
NEIC	IV	08 18 05 24.4	11.04N	60.76W	5				
NEIC	Single network solution.								
TRN	**IV**	**08 18 10 59.1**	**11.0N**	**60.7W**	**3**	**3.0D**			**¶97iv1382**
ISC	**IV**	**08 18 14 42**±3.4	**11.03N**±.094	**60.7W**±.36	**7**±16		**9**	**0-5**	
NEIC	IV	08 18 14 41.9	11.04N	60.72W	10				**¶97iv1383**
TRN	IV	08 18 14 42.4	11.0N	60.8W	3	3.2D			
NEIC	Single network solution.								
ISC	**IV**	**08 18 18 29**±1.5	**11.08N**±.085	**60.7W**±.16	**7**		**7**	**0-1**	
TRN	IV	08 18 18 29.0	11.1N	60.7W	7	2.8D			**¶97iv1385**
NEIC	IV	08 18 18 29.1	11.10N	60.77W	5				
NEIC	Single network solution.								
ISC	**IV**	**08 18 57 11**±2.4	**11.06N**±.091	**60.8W**±.23	**5**		**6**	**0-1**	
NEIC	IV	08 18 57 10.8	11.05N	60.78W	5				**¶97iv1391**
TRN	IV	08 18 57 11.5	11.1N	60.8W	5	2.8D			
NEIC	Single network solution.								
TRN	**IV**	**08 19 29 45.4**	**11.2N**	**60.9W**	**9**	**2.6D**			**¶97iv1393**
ISC	**IV**	**08 23 46 13.8**±.87	**11.02N**±.049	**60.71W**±.088	**17**±6.5	**4.0b,3.6s**	**35**	**0-163**	
NEIC	IV	08 23 46 12.0	10.98N	60.61W	5	4.1b			**¶97iv1427**
TRN	IV	08 23 46 14.4	11.1N	60.8W	3	3.9D			
EIDC	IV	08 23 46 18.0	11.1N	61.1W	38	3.9b,3.6s			
ISC	**IV**	**09 00 50 16.0**±.54	**11.06N**±.036	**61.06W**±.055	**46**±5.2	**4.5b,4.1s**	**102**	**0-163**	
NEIC	IV	09 00 50 11.4	11.03N	60.71W	5	4.7b,3.8s			**¶97iv1436**
EIDC	IV	09 00 50 11.5	11.1N	61.1W	0	4.4b,4.2s			
TRN	IV	09 00 50 12.9	11.1N	60.8W	3	4.2D			
ISC	**IV**	**09 00 55 51**±1.9	**11.06N**±.086	**60.7W**±.19	**10**±7.8	**3.5b**	**12**	**0-78**	
TRN	IV	09 00 55 51.6	11.1N	60.7W	3	3.3D			**¶97iv1437**
NEIC	IV	09 00 55 52.0	11.08N	60.80W	5				
NEIC	Single network solution.								
ISC	**IV**	**09 02 03 31**±1.2	**11.1N**±.11	**60.8W**±.15	**5**		**6**	**0-1**	
TRN	IV	09 02 03 31.4	11.1N	60.8W	5	3.1D			**¶97iv1444**
TRN	**IV**	**09 04 40 39.3**	**11.1N**	**60.7W**	**10**	**3.1D**			**¶97iv1458**
ISC	**IV**	**09 07 32 53**±1.2	**11.1N**±.17	**60.8W**±.17	**16**		**5**	**0-1**	
TRN	IV	09 07 32 52.2	11.1N	60.7W	16	2.8D			**¶97iv1477**
ISC	**IV**	**09 14 14 33.0**±.96	**11.08N**±.070	**60.8W**±.10	**5**		**10**	**0-5**	
TRN	IV	09 14 14 30.1	11.0N	60.8W	3	3.7D			**¶97iv1530**
NEIC	IV	09 14 14 32.9	11.07N	60.82W	5				
NEIC	Single network solution.								
ISC	**IV**	**09 14 36 57**±2.2	**11.05N**±.090	**60.8W**±.23	**11**±9.1	**3.5b**	**12**	**0-64**	
TRN	IV	09 14 36 54.6	11.0N	60.8W	3	3.8D			**¶97iv1536**
NEIC	IV	09 14 36 57.1	11.07N	60.84W	5				
EIDC	IV	09 14 37 18.4	14.6N	62.1W	0	3.5b			
ISC	**IV**	**09 19 07 13**±3.7	**11.0N**±.12	**60.7W**±.32	**5**		**4**	**0-1**	
TRN	IV	09 19 07 11.0	11.0N	60.8W	5	2.8D			**¶97iv1568**
NEIC	IV	09 19 07 12.9	11.04N	60.74W	5				
ISC	Poorly determined								
NEIC	Poor solution.								
ISC	**IV**	**09 20 39 10**±1.5	**11.05N**±.082	**60.8W**±.16	**5**		**8**	**0-2**	
TRN	IV	09 20 39 07.8	11.0N	60.8W	5	3.5D			**¶97iv1581**
NEIC	IV	09 20 39 09.9	11.05N	60.76W	5				
NEIC	Single network solution.								
ISC	**IV**	**09 20 42 20**±2.0	**11.05N**±.091	**60.8W**±.21	**5**		**6**	**0-1**	
TRN	IV	09 20 42 16.9	11.0N	60.8W	3	3.2D			**¶97iv1583**
NEIC	IV	09 20 42 19.7	11.06N	60.78W	5				
NEIC	Single network solution.								
ISC	**IV**	**10 02 23 31.3**±.76	**11.14N**±.035	**60.92W**±.032	**1**±5.1	**4.7b,4.2s**	**120**	**0-163**	
TRN	IV	10 02 23 27.8	11.0N	60.6W	3	4.7D			**¶97iv1611**
EIDC	IV	10 02 23 30.3	10.9N	61.4W	0	4.5b,4.2s			
NEIC	IV	10 02 23 31.6	11.13N	60.94W	5	4.8b			
NEIC	Felt I=III MM in northern Trinidad.								
ISC	**IV**	**10 02 50 40**±1.4	**11.10N**±.088	**60.8W**±.13	**5**		**5**	**0-1**	
TRN	IV	10 02 50 37.1	11.1N	60.8W	7	3.1D			**¶97iv1613**
NEIC	IV	10 02 50 39.5	11.10N	60.84W	5				
NEIC	Single network solution.								
ISC	**IV**	**10 04 31 21**±2.4	**11.1N**±.11	**60.7W**±.24	**5**		**5**	**0-1**	
TRN	IV	10 04 31 18.0	11.2N	60.8W	25	2.3D			**¶97iv1628**
NEIC	IV	10 04 31 20.7	11.09N	60.82W	5				
NEIC	Poor solution.								
ISC	**IV**	**10 06 16 31**±1.2	**11.09N**±.072	**60.7W**±.12	**18**±6.7	**3.3b**	**15**	**0-78**	
TRN	IV	10 06 16 29.8	11.0N	60.8W	5	3.8D			**¶97iv1642**
NEIC	IV	10 06 16 29.8	11.04N	60.61W	5				
EIDC	IV	10 06 16 29.8	11.3N	61.0W	0	3.4b			
ISC	**IV**	**10 09 07 08**±1.3	**11.09N**±.073	**60.7W**±.13	**18**±7.0	**3.4b**	**15**	**0-78**	
TRN	IV	10 09 07 06.5	11.0N	60.8W	3	3.8D			**¶97iv1662**
NEIC	IV	10 09 07 08.2	11.04N	60.70W	5	3.8b			
EIDC	IV	10 09 07 08.3	11.6N	60.6W	0	3.4b,3.2s			
ISC	**IV**	**10 09 13 44**±2.1	**11.04N**±.097	**60.8W**±.20	**5**		**6**	**0-1**	
TRN	IV	10 09 13 41.8	11.0N	60.8W	6	3.1D			**¶97iv1663**
NEIC	IV	10 09 13 44.4	11.04N	60.74W	5				
NEIC	Single network solution.								
ISC	**IV**	**11 00 31 18.0**±.88	**11.11N**±.085	**60.8W**±.14	**7**±15		**8**	**0-2**	
TRN	IV	11 00 31 15.6	11.1N	60.8W	4	2.9D			**¶97iv1766**
NEIC	IV	11 00 31 17.8	11.14N	60.86W	5				
NEIC	Single network solution.								
ISC	**IV**	**11 06 57 48.1**±.80	**11.03N**±.034	**60.79W**±.048	**14**±5.0	**4.4b**	**69**	**0-163**	
TRN	IV	11 06 57 46.2	11.0N	60.8W	3	4.2D			**¶97iv1827**
NEIC	IV	11 06 57 46.5	11.05N	60.83W	5	4.7b			
EIDC	IV	11 06 57 51.2	11.2N	61.1W	29	4.2b			
NEIC	Felt on Trinidad and Tobago.								
ISC	**IV**	**12 00 06 07**±1.4	**11.37N**±.090	**61.0W**±.11	**10**		**6**	**0-1**	
TRN	IV	12 00 06 05.0	11.3N	61.0W	8	2.9D			**¶97iv1992**
NEIC	IV	12 00 06 06.6	11.37N	60.97W	10				
NEIC	Single network solution.								
TRN	**IV**	**12 19 23 44.5**	**14.2N**	**60.9W**	**18**				**¶97iv2111**
ISC	**IV**	**13 19 09 22**±1.1	**11.23N**±.075	**61.39W**±.089	**21**		**6**	**1-1**	
TRN	IV	13 19 09 21.9	11.2N	61.4W	21	3.0D			**¶97iv2285**
NEIC	IV	13 19 09 22.1	11.23N	61.39W	20				
NEIC	Single network solution.								
TRN	**IV**	**14 02 45 34.4**	**11.1N**	**60.8W**	**12**	**3.3D**			**¶97iv2373**
NEIC	IV	14 02 45 36.2	11.11N	60.80W	10				
NEIC	Single network solution.								
ISC	**IV**	**14 03 38 07**±1.5	**11.04N**±.094	**60.8W**±.16	**5**		**7**	**0-1**	
TRN	IV	14 03 38 03.5	11.0N	60.7W	5	3.0D			**¶97iv2380**
NEIC	IV	14 03 38 06.8	11.11N	60.85W	5				
NEIC	Single network solution.								
ISC	**IV**	**14 11 44 21**±1.3	**11.16N**±.099	**60.9W**±.11	**0**±26		**7**	**0-1**	
TRN	IV	14 11 44 19.2	11.1N	60.9W	5	3.7D			**¶97iv2454**
NEIC	IV	14 11 44 21.2	11.15N	60.88W	5				
NEIC	Single network solution.								
ISC	**IV**	**14 12 44 45**±2.2	**11.1N**±.12	**60.8W**±.25	**9**		**5**	**0-1**	
TRN	IV	14 12 44 43.6	11.1N	60.9W	9	2.9D			**¶97iv2462**
NEIC	IV	14 12 44 45.2	11.08N	60.77W	10				
NEIC	Single network solution.								
ISC	**IV**	**14 20 27 37**±1.4	**11.07N**±.092	**60.8W**±.14	**5**		**6**	**0-1**	
TRN	IV	14 20 27 34.8	11.0N	60.7W	5	2.9D			**¶97iv2510**
NEIC	IV	14 20 27 37.4	11.07N	60.79W	5				
NEIC	Single network solution.								
ISC	**IV**	**15 07 38 02**±1.1	**11.05N**±.072	**60.8W**±.12	**5**	3.5b	**11**	**0-64**	
TRN	IV	15 07 37 59.7	11.0N	60.8W	5	3.5D			**¶97iv2577**
NEIC	IV	15 07 38 02.2	11.05N	60.80W	5	3.5b			
ISC	**IV**	**16 00 34 47**±1.6	**11.06N**±.086	**61.7W**±.18	**3**		**4**	**0-1**	
TRN	IV	16 00 34 46.8	11.1N	61.7W	3	2.6D			**¶97iv2670**
ISC	Poorly determined								

Agency		Origin Time	φ	λ	h	Mag	n	Δ-Rng
		mo d h m s	°	°	km			°
ISC	**IV**	**16 11 42 57**±1.2	**11.01N**±.060	**60.67W**±.081	**10**±7.5	**4.1b**	**25**	**0-151**
TRN	IV	16 11 42 55.6	11.0N	60.8W	3	4.1D		**¶97iv2751**
NEIC	IV	16 11 42 56.5	11.00N	60.64W	5	4.3b		
EIDC	IV	16 11 42 56.5	11.2N	61.0W	0	4.0b,3.5s		
ISC	**IV**	**16 12 02 52**±1.7	**11.0N**±.14	**60.8W**±.24	**3**±35		**6**	**0-1**
TRN	IV	16 12 02 50.0	11.0N	60.8W	7	3.0D		**¶97iv2753**
ISC	Poorly determined							
ISC	**IV**	**16 13 26 03**±2.1	**11.1N**±.17	**60.7W**±.27	**23**		**5**	**0-1**
TRN	IV	16 13 26 00.6	11.0N	60.6W	23	3.0D		**¶97iv2764**
ISC	**IV**	**16 13 36 24.9**±.95	**11.1N**±.12	**60.8W**±.14	**2**		**6**	**0-1**
TRN	IV	16 13 36 22.0	11.0N	60.8W	2	3.0D		**¶97iv2767**
ISC	**IV**	**16 17 21 16.6**±.93	**11.1N**±.12	**60.8W**±.13	**3**		**6**	**0-1**
TRN	IV	16 17 21 13.9	11.1N	60.9W	3	2.7D		**¶97iv2791**
ISC	**IV**	**17 02 31 46**±13	**11.4N**±.94	**60.7W**±.42	**29**		**5**	**0-1**
TRN	IV	17 02 31 45.8	11.3N	60.7W	29	3.0D		**¶97iv2840**
ISC	**IV**	**17 03 01 22**±2.0	**11.2N**±.15	**60.7W**±.27	**21**±8.1	3.3b	**8**	**0-64**
TRN	IV	17 03 01 21.3	11.1N	60.9W	5	3.4D		**¶97iv2844**
ISC	**IV**	**17 10 42 50**±3.6	**11.4N**±.16	**60.7W**±.34	**44**		**4**	**0-1**
TRN	IV	17 10 42 49.5	11.3N	60.7W	44	2.7D		**¶97iv2888**
ISC	Poorly determined							
ISC	**IV**	**17 15 11 17**±1.5	**11.41N**±.098	**61.0W**±.11	**6**		**8**	**0-1**
TRN	IV	17 15 11 14.8	11.4N	61.0W	6	2.7D		**¶97iv2925**
ISC	**IV**	**17 22 48 53**±3.5	**14.41N**±.069	**60.3W**±.40	**81**		**12**	**1-2**
TRN	IV	17 22 48 52.6	14.4N	60.4W	81	3.2D		**¶97iv2983**
ISC	**IV**	**18 07 46 09.7**±.69	**11.63N**±.048	**61.4W**±.10	**20**		**10**	**1-2**
TRN	IV	18 07 46 07.4	11.6N	61.5W	20	3.5D		**¶97iv3036**
ISC	**IV**	**18 07 53 02.2**±.78	**11.60N**±.052	**61.5W**±.13	**23**		**8**	**1-2**
TRN	IV	18 07 53 00.1	11.6N	61.5W	23	2.9D		**¶97iv3039**
ISC	**IV**	**18 12 35 52**±2.7	**11.2N**±.23	**60.9W**±.12	**4**		**4**	**0-1**
TRN	IV	18 12 35 50.1	11.2N	61.0W	4	2.5D		**¶97iv3073**
ISC	Poorly determined							
ISC	**IV**	**19 09 18 08**±1.6	**11.39N**±.077	**60.7W**±.19	**46**±25		**12**	**0-3**
TRN	IV	19 09 18 06.5	11.4N	61.0W	11	3.5D		**¶97iv3183**
ISC	**IV**	**19 21 46 53**±8.9	**11.0N**±.36	**60.7W**±.67	**5**		**4**	**0-1**
TRN	IV	19 21 46 51.3	11.0N	60.8W	5	2.6D		**¶97iv3240**
ISC	Poorly determined							
ISC	**IV**	**22 09 31 28.9**±.45	**11.16N**±.023	**61.09W**±.020	**47**±4.0	**5.8b,6.5s**	**769**	**0-173**
TRN	IV	22 09 31 21.6	11.0N	60.6W	3	6.1D		**¶97iv3685**
NEIC	IV	22 09 31 23.2	11.11N	60.89W	5	6.0b,6.5s		
BJI	IV	22 09 31 23.4	11.12N	61.14W	13	7.0s		
EIDC	IV	22 09 31 23.6	11.1N	61.0W	0	5.5b,6.9s		
MOS	IV	22 09 31 24.2	11.2N	61.1W	10	6.4b,6.4s		
HRVD	IV	22 09 31 32.7±.1	11.28N±.01	61.05W±.01	15			
TRN	Widely felt throughout Tobago I=VII MM and I=VI in some parts of northern Trinidad							
NEIC	Mw6.7(GS), Me6.7(GS)							
NEIC	Radiated energy from the P−wave first−motion solution: 2.2±0.6×10^{14}Nm/15							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S145°,δ75°,λ−20°. NP2:ϕ_S240°,δ71°, λ−164°. Principal axes: T Plg3°,Azm193°; P Plg25°,Azm102°. Two events about 3 seconds apart. Depth from broadband displacement seismograms based on first event.							
NEIC	Moment tensor solution: s61, scale 10^{19}Nm; M_{rr}−0.18; $M_{\theta\theta}$0.50; $M_{\phi\phi}$−0.33; $M_{r\theta}$−1.18; $M_{r\phi}$0.67; $M_{\theta\phi}$0.10. Depth 4km; Principal axes: T 1.46,Plg39°,Azm194°; N −0.05,Plg16°, Azm298°; P −1.41,Plg47°,Azm46°. Best double couple: $M_0$1.4×10^{19}Nm; NP1:ϕ_S223°,δ17°, λ−166°. NP2:ϕ_S119°,δ86°,λ−73°.							
NEIC	Mw 6.7 (HRV). Ms 6.5 (BRK) Two people injured, three houses destroyed and extensive damage in the western part of Tobago. Damage estimated at more than 25 million U.S. dollars. One of the largest known earthquakes to occur on or near Trinidad and Tobago. Seismicity in this possible triple junction zone results from the highly oblique, right-lateral collision between the Caribbean and South American plates and subduction of either the North or South American plate beneath the Caribbean plate. Note the Windward Islands magnitude 6.2 (Mw) event of April 2, located about 50 km to the north. Mo=1.1×10^{19}Nm (PPT).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c133; Mantle waves: s49,c109; Half duration: 5§2. Moment tensor: Scale 10^{18}Nm; M_{rr}−6.26±.05; $M_{\theta\theta}$9.30±.04; $M_{\phi\phi}$−3.04±.05; $M_{r\theta}$−3.00±.21; $M_{r\phi}$6.74±.19; $M_{\theta\phi}$−2.40±.04. Principal Axes: T 11.0,Plg16°,Azm197°; N 0.7,Plg33°,Azm298°; P −11.6,Plg52°,Azm86°. Best double couple: $M_0$1.1×10^{19}Nm, NP1:ϕ_S250°,δ41°,λ−146°. NP2:ϕ_S133°,δ69°,λ−54°.							
TRN	**IV**	**22 09 40 50.8**	**11.1N**	**61.7W**	**182**	**3.5D**		**¶97iv3687**
EIDC	IV	22 09 40 53.9	11.0N	62.7W	0	4.0b		
ISC	**IV**	**22 09 46 19**±1.9	**11.03N**±.070	**60.7W**±.13	**12**±10	**3.5b**	**16**	**0-78**
TRN	IV	22 09 46 17.3	11.0N	60.8W	5	3.7D		**¶97iv3688**
EIDC	IV	22 09 46 18.5	11.7N	60.7W	0	3.5b		
ISC	**IV**	**22 09 49 37.2**±.78	**11.06N**±.070	**61.1W**±.12	**67**±7.2	**4.1b**	**30**	**1-163**
NEIC	IV	22 09 49 30.5	11.28N	60.97W	5	4.5b		**¶97iv3689**
EIDC	IV	22 09 49 32.3	11.4N	61.1W	0	4.1b		
TRN	IV	22 09 49 32.9	11.0N	60.9W	9	3.8D		
NEIC	Poor solution.							
ISC	**IV**	**22 09 54 53**±1.1	**11.1N**±.11	**61.0W**±.10	**2**±22		**10**	**0-3**
TRN	IV	22 09 54 49.6	11.0N	61.0W	3	3.7D		**¶97iv3690**
ISC	**IV**	**22 09 58 25**±1.1	**11.02N**±.078	**60.9W**±.11	**3**		**6**	**0-1**
TRN	IV	22 09 58 21.4	10.9N	60.9W	3	2.8D		**¶97iv3691**
ISC	**IV**	**22 10 02 57**±1.4	**11.00N**±.079	**60.8W**±.16	**3**		**9**	**0-2**
TRN	IV	22 10 02 55.7	11.0N	60.9W	3	3.2D		**¶97iv3693**
ISC	**IV**	**22 10 05 25**±3.8	**11.2N**±.10	**60.8W**±.33	**11**		**5**	**1-1**
TRN	IV	22 10 05 25.2	11.2N	60.9W	11	3.1D		**¶97iv3694**
ISC	**IV**	**22 10 11 51.6**±.47	**11.12N**±.029	**60.99W**±.030	**50**±4.2	**5.3b,5.7s**	**320**	**0-167**
NEIC	IV	22 10 11 44.7	11.03N	60.96W	5	5.6b		**¶97iv3695**
TRN	IV	22 10 11 45.4	11.0N	60.5W	3	4.3D		
EIDC	IV	22 10 11 45.8	11.1N	60.9W	0	5.0b,5.7s		
BJI	IV	22 10 11 46.6	11.05N	61.09W	18			
MOS	IV	22 10 11 48.0	11.4N	61.0W	10	5.8b		
NEIC	Felt on Trinidad and Tobago.							
ISC	**IV**	**22 10 19 01**±1.0	**11.21N**±.067	**61.26W**±.053	**57**±7.8	**4.7b**	**95**	**2-163**
NEIC	IV	22 10 18 53.4	11.06N	61.17W	5	5.0b		**¶97iv3697**
EIDC	IV	22 10 18 54.9	11.2N	61.1W	0	4.7b		
MOS	IV	22 10 18 59.6	12.2N	61.4W	10	5.1b		
TRN	IV	22 10 19 00.3	11.3N	61.2W	4	3.7D		
ISC	**IV**	**22 10 22 49.8**±.61	**11.07N**±.039	**60.94W**±.056	**51**±5.7	**4.7b**	**92**	**1-163**
NEIC	IV	22 10 22 43.3	11.05N	60.84W	5	5.0b		**¶97iv3699**
EIDC	IV	22 10 22 44.7	11.2N	60.9W	0	4.7b		
TRN	IV	22 10 22 46.5	11.1N	60.8W	1	3.9D		
MOS	IV	22 10 22 46.6	11.6N	61.0W	10	5.0b		
EIDC	**IV**	**22 10 26 33.1**	**14.0N**	**61.8W**	**0**	**3.7b**		**42-75**
								¶97iv3700
ISC	**IV**	**22 10 30 16.1**±.70	**11.01N**±.057	**60.86W**±.073	**20**±6.3	**3.8b**	**25**	**0-151**
NEIC	IV	22 10 30 12.8	10.94N	61.06W	5			**¶97iv3701**
EIDC	IV	22 10 30 14.3	10.9N	61.3W	0	3.8b		
TRN	IV	22 10 30 16.1	11.1N	60.9W	5	3.8D		
NEIC	Poor solution.							
ISC	**IV**	**22 10 36 15.9**±.99	**11.01N**±.071	**60.8W**±.11	**5**		**10**	**0-2**
TRN	IV	22 10 36 16.0	11.0N	60.9W	5	3.3D		**¶97iv3703**
ISC	**IV**	**22 10 49 32.6**±.68	**11.01N**±.046	**61.01W**±.092	**50**±6.7	**4.1b**	**39**	**0-163**
NEIC	IV	22 10 49 26.4	10.88N	61.16W	5			**¶97iv3707**
EIDC	IV	22 10 49 28.2	10.9N	61.3W	0	4.1b		
TRN	IV	22 10 49 29.9	11.1N	60.8W	3	4.1D		
NEIC	Poor solution.							
ISC	**IV**	**22 10 53 46**±3.6	**11.08N**±.088	**60.9W**±.29	**3**		**5**	**1-1**
TRN	IV	22 10 53 45.9	11.1N	60.9W	3	3.0D		**¶97iv3708**
ISC	**IV**	**22 10 58 35**±1.2	**11.07N**±.084	**60.8W**±.15	**3**	4.2b	**8**	**0-64**
TRN	IV	22 10 58 34.9	11.0N	60.7W	3	3.6D		**¶97iv3711**
ISC	**IV**	**22 11 00 25.6**±.51	**11.08N**±.043	**60.87W**±.058	**3**	**4.1b**	**33**	**0-151**
NEIC	IV	22 11 00 22.7	10.97N	61.51W	5	4.3b		**¶97iv3712**
EIDC	IV	22 11 00 25.2	11.1N	61.5W	0	4.1b		
TRN	IV	22 11 00 26.0	11.1N	60.9W	3	3.8D		
NEIC	Poor solution.							
ISC	**IV**	**22 11 32 54**±3.1	**11.04N**±.093	**60.7W**±.29	**5**±14	3.7b	**9**	**0-64**
TRN	IV	22 11 32 55.0	11.1N	60.8W	3	3.3D		**¶97iv3718**
ISC	**IV**	**22 11 46 52.1**±.37	**11.12N**±.064	**60.92W**±.061	**5**	**4.7b**	**60**	**0-163**
NEIC	IV	22 11 46 52.5	11.09N	60.71W	5	4.8b		**¶97iv3723**
EIDC	IV	22 11 46 53.4	11.2N	60.9W	0	4.5b		
ISC	**IV**	**22 11 52 48**±1.2	**11.07N**±.068	**60.7W**±.12	**13**±5.6	**3.6b**	**17**	**0-78**
NEIC	IV	22 11 52 47.2	11.47N	60.88W	5	3.9b		**¶97iv3724**
TRN	IV	22 11 52 48.3	11.0N	60.8W	3	3.6D		
EIDC	IV	22 11 52 48.4	11.5N	60.8W	0	3.5b		
NEIC	Poor solution.							
ISC	**IV**	**22 12 11 10**±1.5	**11.08N**±.089	**60.8W**±.16	**10**		**7**	**0-1**
TRN	IV	22 12 11 09.6	11.1N	60.8W	10	3.0D		**¶97iv3725**
ISC	**IV**	**22 12 29 44**±1.4	**11.0N**±.14	**61.0W**±.15	**11**		**4**	**0-1**
TRN	IV	22 12 29 42.1	11.0N	61.0W	11	2.6D		**¶97iv3728**
ISC	Poorly determined							
ISC	**IV**	**22 12 41 29**±2.2	**11.1N**±.15	**60.3W**±.15	**3**		**8**	**0-64**
TRN	IV	22 12 41 31.7	11.0N	60.7W	3	3.3D		**¶97iv3732**
ISC	**IV**	**22 12 45 52.2**±.63	**11.08N**±.040	**61.23W**±.059	**41**±6.2	**4.5b**	**76**	**0-163**
TRN	IV	22 12 45 46.5	11.0N	60.9W	3	4.1D		**¶97iv3734**
NEIC	IV	22 12 45 47.2	11.17N	61.24W	5	4.6b		
EIDC	IV	22 12 45 48.4	11.2N	61.1W	0	4.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**22 13 04 05**±1.3	**11.0N**±.12	**60.9W**±.13	**4**	3.0b	**5**	**0-64**
TRN	IV	22 13 04 01.7	11.0N	61.0W	4	2.7D		**¶97iv3737**
TRN	**IV**	**22 13 10 17.4**	**11.4N**	**60.8W**	**34**	**3.0D**		**¶97iv3739**
ISC	**IV**	**22 13 20 16**±1.5	**11.1N**±.15	**60.8W**±.19	**5**		**4**	**0-1**
TRN	IV	22 13 20 13.2	11.0N	60.8W	5	2.7D		**¶97iv3744**
ISC	Poorly determined							
ISC	**IV**	**22 13 23 17**±2.4	**11.06N**±.097	**60.8W**±.23	**5**	3.6b	**6**	**0-64**
TRN	IV	22 13 23 15.1	11.0N	60.8W	5	3.0D		**¶97iv3746**
ISC	**IV**	**22 14 06 44.2**±.91	**11.02N**±.087	**60.90W**±.099	**8**		**7**	**0-1**
TRN	IV	22 14 06 41.8	11.0N	60.9W	8	2.9D		**¶97iv3759**
ISC	**IV**	**22 14 07 41.8**±.99	**11.0N**±.10	**60.9W**±.23	**15**±24		**7**	**0-1**
								¶97iv3760
ISC	**IV**	**22 14 15 53**±1.7	**11.07N**±.072	**60.6W**±.15	**16**±10	**3.6b**	**16**	**0-78**
TRN	IV	22 14 15 51.6	11.1N	60.8W	8	3.9D		**¶97iv3763**
EIDC	IV	22 14 15 52.3	11.4N	61.0W	0	3.6b		
ISC	**IV**	**22 15 03 54**±1.4	**11.0N**±.15	**61.0W**±.14	**3**		**4**	**0-1**
TRN	IV	22 15 03 51.4	11.0N	61.0W	3	3.0D		**¶97iv3767**
ISC	Poorly determined							
ISC	**IV**	**22 15 14 50**±2.5	**11.2N**±.23	**60.9W**±.12	**3**		**4**	**0-1**
TRN	IV	22 15 14 46.6	11.2N	61.0W	3	2.8D		**¶97iv3770**
ISC	Poorly determined							
ISC	**IV**	**22 15 58 03.5**±.95	**11.09N**±.061	**60.9W**±.10	**3**	3.5b	**10**	**0-64**
TRN	IV	22 15 58 00.9	11.0N	60.9W	3	3.8D		**¶97iv3777**
ISC	**IV**	**22 16 16 16**±1.7	**11.02N**±.082	**60.8W**±.17	**4**	3.6b	**12**	**0-64**
TRN	IV	22 16 16 14.0	11.0N	60.8W	4	3.6D		**¶97iv3779**
TRN	**IV**	**22 16 42 37.8**	**11.0N**	**60.8W**	**1**	**2.7D**		**¶97iv3784**
ISC	**IV**	**22 17 21 25**±12	**11.1N**±.27	**60.7W**±.80	**3**		**4**	**0-1**
TRN	IV	22 17 21 22.4	11.0N	60.7W	3	2.8D		**¶97iv3793**
ISC	Poorly determined							
ISC	**IV**	**22 17 57 11.9**±.69	**11.06N**±.062	**60.96W**±.070	**3**		**11**	**0-5**
TRN	IV	22 17 57 08.7	11.0N	60.9W	3	3.5D		**¶97iv3802**
ISC	**IV**	**22 18 25 12**±2.4	**11.04N**±.094	**60.7W**±.22	**4**	3.2b	**9**	**0-64**
TRN	IV	22 18 25 08.9	11.0N	60.7W	4	3.3D		**¶97iv3806**
ISC	**IV**	**22 18 34 07.0**±.86	**11.02N**±.048	**60.91W**±.057	**12**±5.9	**4.0b**	**40**	**0-161**
NEIC	IV	22 18 34 03.1	10.59N	61.18W	5	4.0b		**¶97iv3807**
TRN	IV	22 18 34 04.3	11.0N	60.9W	3	4.1D		
EIDC	IV	22 18 34 04.3	10.7N	61.2W	0	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**22 18 38 39.6**±.93	**11.05N**±.064	**60.83W**±.098	**3**		**10**	**0-2**
TRN	IV	22 18 38 36.6	11.0N	60.8W	3	3.5D		**¶97iv3808**
ISC	**IV**	**22 19 03 06**±1.5	**11.03N**±.065	**60.6W**±.14	**5**	**3.9b**	**19**	**0-144**
TRN	IV	22 19 03 05.2	11.0N	60.7W	5	3.9D		**¶97iv3815**
NEIC	IV	22 19 03 12.4	11.99N	62.02W	5	4.2b		
EIDC	IV	22 19 03 13.7	12.0N	62.1W	0	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**22 19 05 52**±1.2	**11.10N**±.067	**60.7W**±.11	**15**±8.0	**3.9b**	**19**	**0-151**
NEIC	IV	22 19 05 49.3	11.03N	61.03W	5	4.2b		**¶97iv3816**
EIDC	IV	22 19 05 50.0	10.9N	61.2W	0	3.9b		
TRN	IV	22 19 05 50.9	11.0N	60.8W	3	3.9D		
NEIC	Poor solution.							
ISC	**IV**	**22 19 22 28**±8.8	**11.1N**±.26	**60.7W**±.64	**3**		**4**	**0-1**
TRN	IV	22 19 22 26.2	11.0N	60.8W	3			**¶97iv3819**
ISC	Poorly determined							
ISC	**IV**	**22 19 22 51**±1.5	**11.14N**±.067	**60.7W**±.13	**3**		**8**	**0-5**
TRN	IV	22 19 22 48.6	11.1N	60.8W	3	3.6D		**¶97iv3820**
ISC	**IV**	**22 19 39 53**±1.7	**11.0N**±.16	**60.8W**±.21	**13**		**4**	**0-1**
TRN	IV	22 19 39 50.9	11.0N	60.9W	13	2.5D		**¶97iv3822**
ISC	Poorly determined							
ISC	**IV**	**22 21 39 40**±1.3	**11.1N**±.13	**60.8W**±.21	**4**±22		**6**	**0-1**
TRN	IV	22 21 39 37.3	11.1N	60.8W	8	2.8D		**¶97iv3832**
ISC	**IV**	**22 21 56 46**±1.5	**11.09N**±.089	**60.8W**±.15	**6**		**6**	**0-1**
TRN	IV	22 21 56 44.3	11.1N	60.8W	6	3.0D		**¶97iv3833**
ISC	**IV**	**22 23 19 09**±2.2	**11.14N**±.081	**60.7W**±.20	**7**±7.1	3.5b	**10**	**0-64**
TRN	IV	22 23 19 07.3	11.1N	60.7W	8	3.6D		**¶97iv3845**
ISC	**IV**	**22 23 23 18.6**±.74	**11.02N**±.061	**60.91W**±.078	**3**	3.1b	**11**	**0-64**
TRN	IV	22 23 23 15.8	11.0N	60.9W	3	3.5D		**¶97iv3846**
ISC	**IV**	**22 23 43 41.4**±.86	**11.01N**±.062	**60.88W**±.088	**1**		**10**	**0-2**
TRN	IV	22 23 43 38.0	10.9N	60.9W	1	3.4D		**¶97iv3850**
ISC	**IV**	**23 01 26 15**±1.4	**11.1N**±.10	**60.8W**±.18	**0**±29		**6**	**0-1**
TRN	IV	23 01 26 12.3	11.0N	60.8W	4	2.9D		**¶97iv3865**
ISC	**IV**	**23 01 28 09**±1.1	**11.14N**±.088	**60.8W**±.11	**6**		**6**	**0-1**
TRN	IV	23 01 28 06.0	11.0N	60.8W	6	3.1D		**¶97iv3866**

ISC	**IV**	**23 01 45 28**±1.1	**11.0N**±.10	**60.9W**±.22	**12**±27			**7**	**0-1**	
TRN	IV	23 01 45 27.9	11.0N	60.9W	11	3.0D		**¶97iv3871**		
ISC	**IV**	**23 01 56 38**±2.4	**11.11N**±.070	**60.7W**±.20	**4**±8.9	3.7b		**11**	**0-64**	
TRN	IV	23 01 56 35.8	11.1N	60.7W	7	3.6D		**¶97iv3873**		
ISC	**IV**	**23 02 22 08.5**±.91	**11.03N**±.089	**60.92W**±.095	**8**			**6**	**0-1**	
TRN	IV	23 02 22 06.2	11.0N	60.9W	8	3.1D		**¶97iv3877**		
ISC	**IV**	**23 03 22 21.9**±.89	**11.05N**±.087	**61.0W**±.12	**3**±17			**10**	**0-2**	
TRN	IV	23 03 22 19.9	11.0N	61.0W	9	3.3D		**¶97iv3887**		
ISC	**IV**	**23 03 48 29**±4.1	**11.10N**±.092	**60.5W**±.25	**4**±16	3.8b		**12**	**0-64**	
TRN	IV	23 03 48 26.4	11.0N	60.6W	1	3.1D		**¶97iv3889**		
ISC	**IV**	**23 03 49 25**±2.1	**11.07N**±.072	**60.7W**±.19	**3**	4.0b		**11**	**0-64**	
TRN	IV	23 03 49 23.0	11.0N	60.8W	3	3.7D		**¶97iv3890**		
ISC	**IV**	**23 05 01 41**±1.5	**11.1N**±.11	**60.8W**±.17	**4**			**5**	**0-1**	
TRN	IV	23 05 01 38.5	11.0N	60.8W	4	2.6D		**¶97iv3898**		
ISC	**IV**	**23 06 51 49**±1.5	**11.0N**±.14	**60.9W**±.19	**5**			**4**	**0-1**	
TRN	IV	23 06 51 45.9	11.0N	60.9W	5	2.4D		**¶97iv3910**		
ISC	Poorly determined									
ISC	**IV**	**23 07 17 20**±2.4	**11.2N**±.26	**60.9W**±.14	**9**			**4**	**0-1**	
TRN	IV	23 07 17 18.0	11.2N	60.9W	9	2.7D		**¶97iv3912**		
ISC	Poorly determined									
ISC	**IV**	**23 08 18 52**±1.4	**11.0N**±.14	**60.9W**±.16	**9**			**4**	**0-1**	
TRN	IV	23 08 18 50.2	11.0N	60.9W	9	2.9D		**¶97iv3919**		
ISC	Poorly determined									
ISC	**IV**	**23 08 48 11.7**±.75	**11.03N**±.060	**60.93W**±.076	**6**			**10**	**0-2**	
TRN	IV	23 08 48 08.0	10.9N	60.9W	6	3.1D		**¶97iv3922**		
ISC	**IV**	**23 09 20 11**±1.6	**11.1N**±.13	**60.8W**±.20	**5**			**5**	**0-64**	
TRN	IV	23 09 20 08.5	11.1N	60.9W	5	2.7D		**¶97iv3927**		
ISC	**IV**	**23 09 43 09**±1.4	**11.1N**±.14	**60.9W**±.11	**7**±32			**6**	**0-2**	
TRN	IV	23 09 43 05.9	11.0N	60.9W	5	3.0D		**¶97iv3929**		
ISC	**IV**	**23 11 06 03**±1.4	**11.05N**±.081	**60.8W**±.14	**3**			**6**	**0-1**	
TRN	IV	23 11 05 59.5	11.0N	60.9W	3	3.1D		**¶97iv3941**		
TRN	**IV**	**23 11 14 51.7**	**11.0N**	**60.9W**	**3**	**2.9D**		**¶97iv3943**		
ISC	**IV**	**23 11 45 47.2**±.88	**11.03N**±.050	**60.93W**±.070	**13**±6.4	**3.9b**,3.4s		**25**	**0-145**	
TRN	IV	23 11 45 44.8	11.0N	60.9W	6	3.9D		**¶97iv3951**		
NEIC	IV	23 11 45 46.0	11.16N	60.89W	5	3.9b				
EIDC	IV	23 11 45 47.3	11.2N	60.9W	0	3.8b,3.4s				
NEIC	Less reliable solution.									
ISC	**IV**	**23 13 25 05**±1.3	**11.12N**±.067	**60.7W**±.11	**1**			**7**	**0-1**	
TRN	IV	23 13 25 01.3	11.1N	60.7W	1	2.8D		**¶97iv3964**		
ISC	**IV**	**23 18 38 22**±1.7	**11.15N**±.080	**60.9W**±.22	**3**	4.1b		**8**	**1-64**	
TRN	IV	23 18 38 19.3	11.1N	60.9W	3	3.6D		**¶97iv4011**		
ISC	**IV**	**23 22 25 05.1**±.69	**11.13N**±.035	**60.77W**±.046	**26**±5.4	**4.7b**,4.0s		**113**	**0-163**	
NEIC	IV	23 22 25 01.4	11.16N	60.87W	5	4.9b,4.0s		**¶97iv4034**		
TRN	IV	23 22 25 01.6	11.1N	60.6W	5	4.1D				
MOS	IV	23 22 25 01.8	11.2N	60.9W	10	4.9b				
EIDC	IV	23 22 25 06.1	11.1N	61.0W	25	4.4b,4.2s				
ISC	**IV**	**24 07 43 38**±1.4	**11.0N**±.14	**61.0W**±.13	**3**			**4**	**0-1**	
TRN	IV	24 07 43 34.5	11.0N	61.0W	3	2.8D		**¶97iv4102**		
ISC	Poorly determined									
ISC	**IV**	**24 07 56 51**±1.1	**11.1N**±.15	**60.9W**±.13	**3**			**5**	**0-1**	
TRN	IV	24 07 56 47.4	11.1N	60.9W	3	2.8D		**¶97iv4105**		
ISC	**IV**	**24 08 38 55**±1.0	**11.0N**±.14	**60.9W**±.14	**3**			**5**	**0-1**	
TRN	IV	24 08 38 51.5	11.0N	60.9W	3	2.9D		**¶97iv4108**		
ISC	**IV**	**24 10 06 54**±6.4	**11.2N**±.12	**60.6W**±.42	**6**±16			**7**	**0-1**	
TRN	IV	24 10 06 53.5	11.1N	60.7W	8	3.1D		**¶97iv4121**		
TRN	**IV**	**24 10 18 47.3**	**11.1N**	**60.7W**	**3**	**3.3D**		**¶97iv4123**		
ISC	**IV**	**24 12 44 40.5**±.29	**11.05N**±.038	**60.60W**±.040	**3**	**4.7b,4.2s**		**105**	**0-163**	
NEIC	IV	24 12 44 39.8	11.13N	60.94W	5	4.8b,4.2s		**¶97iv4147**		
MOS	IV	24 12 44 40.8	11.1N	60.8W	10	5.1b				
EIDC	IV	24 12 44 40.9	11.2N	61.0W	0	4.5b,4.2s				
TRN	IV	24 12 44 41.0	11.1N	60.7W	3	4.5D				
ISC	**IV**	**24 13 00 44**±1.7	**11.12N**±.079	**60.8W**±.17	**3**			**6**	**0-1**	
TRN	IV	24 13 00 40.4	11.1N	60.7W	3	3.4D		**¶97iv4149**		
ISC	**IV**	**24 17 45 32**±2.2	**11.2N**±.17	**60.4W**±.17	**3**	3.5b		**7**	**0-64**	
TRN	IV	24 17 45 36.2	11.1N	60.8W	3	3.3D		**¶97iv4191**		
ISC	**IV**	**24 19 03 56**±3.2	**11.01N**±.084	**60.9W**±.26	**3**	3.5b		**6**	**1-64**	
TRN	IV	24 19 03 53.4	11.0N	60.9W	3	3.4D		**¶97iv4194**		
ISC	**IV**	**25 02 53 19**±1.8	**11.1N**±.19	**60.7W**±.28	**13**±11	4.2b		**5**	**0-64**	
TRN	IV	25 02 53 16.9	11.0N	60.8W	3	2.8D		**¶97iv4263**		
ISC	Poorly determined									
ISC	**IV**	**25 03 48 52**±1.6	**11.1N**±.16	**60.9W**±.12	**3**			**5**	**0-1**	
TRN	IV	25 03 48 49.5	11.1N	61.0W	3	2.8D		**¶97iv4276**		
ISC	**IV**	**25 16 04 56.2**±.54	**11.14N**±.036	**60.99W**±.046	**47**±5.2	**4.8b,4.1s**		**164**	**1-163**	
NEIC	IV	25 16 04 50.1	11.14N	61.02W	5	5.0b,4.3s		**¶97iv4379**		
EIDC	IV	25 16 04 51.3	11.2N	61.0W	0	4.6b,3.7s				
MOS	IV	25 16 04 51.7	11.2N	61.0W	10	4.9b				
TRN	IV	25 16 04 52.1	11.1N	60.7W	3	4.3D				
ISC	**IV**	**25 18 03 20**±5.4	**11.1N**±.16	**60.6W**±.44	**14**			**4**	**0-1**	
TRN	IV	25 18 03 20.0	11.1N	60.6W	14	2.7D		**¶97iv4389**		
ISC	Poorly determined									
ISC	**IV**	**25 18 36 57**±3.1	**11.4N**±.12	**61.0W**±.34	**6**±63			**5**	**0-1**	
TRN	IV	25 18 36 56.8	11.4N	61.0W	10	2.9D		**¶97iv4395**		
ISC	Poorly determined									
ISC	**IV**	**25 20 56 04**±1.4	**11.05N**±.091	**61.0W**±.20	**12**±30			**7**	**0-1**	
TRN	IV	25 20 56 04.3	11.1N	61.0W	15	2.9D		**¶97iv4416**		
TRN	**IV**	**25 21 42 29.3**	**11.1N**	**60.6W**	**10**	**2.8D**		**¶97iv4424**		
TRN	**IV**	**25 23 57 09.8**	**11.3N**	**60.8W**	**3**	**2.3D**		**¶97iv4431**		
TRN	**IV**	**26 00 26 24.6**	**11.1N**	**60.6W**	**3**			**¶97iv4437**		
ISC	**IV**	**26 00 26 57**±2.5	**11.2N**±.11	**60.6W**±.28	**26**	3.7b		**10**	**0-64**	
TRN	IV	26 00 26 56.5	11.2N	60.6W	26	3.5D		**¶97iv4438**		
ISC	**IV**	**26 00 43 10**±1.0	**11.1N**±.15	**60.8W**±.16	**20**			**6**	**0-1**	
TRN	IV	26 00 43 10.4	11.1N	60.8W	20	2.8D		**¶97iv4439**		
ISC	**IV**	**26 07 15 34.4**±.35	**14.99N**±.052	**61.5W**±.11	**184**±4.1	**3.6b**		**36**	**0-79**	
EIDC	IV	26 07 15 15.0	15.1N	61.4W	0	3.8b		**¶97iv4486**		
NEIC	IV	26 07 15 18.9	15.21N	61.43W	33	4.1b				
TRN	IV	26 07 15 31.5	15.1N	60.9W	204	4.1D				
NEIC	Poor solution.									
TRN	**IV**	**26 11 45 25.6**	**11.1N**	**60.6W**	**10**	**2.4D**		**¶97iv4542**		
ISC	**IV**	**26 14 38 16.2**±.94	**11.05N**±.095	**60.9W**±.22	**14**±25			**7**	**0-1**	
TRN	IV	26 14 38 13.9	11.0N	60.9W	12	2.9D		**¶97iv4565**		
ISC	**IV**	**26 16 21 37**±1.0	**11.0N**±.15	**60.9W**±.15	**15**			**5**	**0-1**	
TRN	IV	26 16 21 34.7	11.0N	60.9W	15	2.4D		**¶97iv4577**		
ISC	**IV**	**26 18 16 26**±2.0	**11.1N**±.10	**60.8W**±.20	**12**			**6**	**0-1**	
TRN	IV	26 18 16 24.1	11.1N	60.8W	12	2.7D		**¶97iv4591**		
TRN	**IV**	**26 18 43 38.8**	**11.1N**	**60.7W**	**16**	**2.4D**		**¶97iv4592**		
ISC	**IV**	**26 18 46 35**±1.1	**11.13N**±.076	**60.8W**±.10	**4**			**6**	**0-1**	
TRN	IV	26 18 46 32.6	11.1N	60.7W	4	2.8D		**¶97iv4594**		
TRN	**IV**	**26 19 04 31.7**	**11.0N**	**60.8W**	**8**	**2.9D**		**¶97iv4595**		
ISC	**IV**	**26 23 13 39**±1.1	**11.0N**±.12	**61.1W**±.10	**0**±43			**7**	**0-1**	
TRN	IV	26 23 13 36.1	11.0N	61.0W	6	3.1D		**¶97iv4621**		
ISC	**IV**	**27 01 27 56.6**±.84	**11.00N**±.076	**60.91W**±.095	**10**			**8**	**0-2**	
TRN	IV	27 01 27 54.1	11.0N	60.9W	10	3.3D		**¶97iv4639**		
ISC	**IV**	**27 03 42 32.7**±.86	**11.17N**±.077	**60.79W**±.071	**3**	3.2b		**8**	**0-64**	
TRN	IV	27 03 42 30.2	11.1N	60.8W	3	3.0D		**¶97iv4652**		
ISC	**IV**	**27 08 37 55.8**±.83	**11.10N**±.078	**60.86W**±.082	**4**			**7**	**0-1**	
TRN	IV	27 08 37 53.2	11.1N	60.8W	4	2.9D		**¶97iv4690**		
ISC	**IV**	**27 09 28 27**±1.7	**11.1N**±.10	**60.7W**±.18	**5**			**5**	**0-1**	
TRN	IV	27 09 28 23.7	11.0N	60.7W	5	2.7D		**¶97iv4696**		
ISC	**IV**	**27 18 42 42.7**±.86	**11.10N**±.078	**60.85W**±.088	**6**			**7**	**0-1**	
TRN	IV	27 18 42 40.3	11.1N	60.8W	6	3.1D		**¶97iv4778**		
ISC	**IV**	**27 23 42 25.9**±.82	**11.02N**±.075	**60.95W**±.082	**4**			**7**	**0-1**	
TRN	IV	27 23 42 26.0	11.0N	61.0W	4	3.2D		**¶97iv4807**		
ISC	**IV**	**28 08 07 24**±1.0	**11.1N**±.12	**60.8W**±.13	**7**			**6**	**0-1**	
TRN	IV	28 08 07 21.9	11.3N	60.8W	7	3.0D		**¶97iv4875**		
ISC	**IV**	**28 21 43 48**±1.1	**11.1N**±.12	**60.8W**±.19	**2**±33			**6**	**0-1**	
TRN	IV	28 21 43 45.7	11.0N	60.8W	3	3.1D		**¶97iv4980**		
ISC	**IV**	**28 22 01 03**±1.1	**11.0N**±.16	**60.9W**±.14	**16**			**5**	**0-1**	
TRN	IV	28 22 01 01.1	11.0N	61.0W	16	2.3D		**¶97iv4982**		
TRN	**IV**	**28 23 31 43.3**	**11.3N**	**60.5W**	**8**	**2.7D**		**¶97iv4993**		
TRN	**IV**	**28 23 56 24.2**	**14.2N**	**61.1W**	**20**			**¶97iv4994**		
ISC	**IV**	**29 00 48 05**±1.1	**11.07N**±.076	**60.8W**±.12	**2**			**7**	**0-1**	
TRN	IV	29 00 48 02.2	11.1N	60.8W	2	3.1D		**¶97iv4996**		
ISC	**IV**	**29 02 50 12**±1.5	**11.08N**±.082	**60.7W**±.17	**12**±6.6	3.8b		**12**	**0-78**	
TRN	IV	29 02 50 09.6	11.1N	60.9W	1	3.6D		**¶97iv5010**		
ISC	**IV**	**29 08 43 40**±1.0	**11.1N**±.14	**60.9W**±.14	**6**			**5**	**0-1**	
TRN	IV	29 08 43 36.8	11.0N	60.8W	6	2.6D		**¶97iv5049**		
ISC	**IV**	**29 13 08 57**±1.0	**11.26N**±.082	**61.00W**±.066	**9**			**7**	**0-1**	
TRN	IV	29 13 08 56.5	11.1N	60.9W	9	3.3D		**¶97iv5079**		
TRN	**V**	**01 20 05 57.7**	**14.6N**	**60.6W**	**30**			**¶97v0147**		
ISC	**V**	**03 02 59 34**±1.8	**14.5N**±.18	**60.9W**±.17	**20**			**4**	**0-0**	
TRN	V	03 02 59 32.2	14.5N	61.0W	20			**¶97v0363**		
ISC	Poorly determined									
TRN	MD2.0 (after FDF)									
ISC	**V**	**03 22 39 16.6**±.22	**11.02N**±.027	**60.90W**±.032	**5**	**4.7b,4.2s**		**129**	**0-163**	
EIDC	V	03 22 39 16.3	11.1N	61.1W	0	4.4b,4.2s		**¶97v0506**		
NEIC	V	03 22 39 16.6	11.00N	60.86W	5	4.9b				
MOS	V	03 22 39 17.0	11.1N	61.0W	10	4.8b				
TRN	V	03 22 39 18.1	11.1N	60.9W	5	4.5D				
NEIC	Felt in northern Trinidad and on Tobago.									
ISC	**V**	**03 22 41 45.7**±.81	**11.04N**±.062	**60.88W**±.093	**14**			**12**	**0-4**	
TRN	V	03 22 41 43.5	11.0N	60.9W	14	3.7D		**¶97v0507**		
TRN	Felt									
ISC	**V**	**04 01 44 55.2**±.44	**11.08N**±.025	**61.26W**±.027	**42**±3.9	**5.2b,4.9s**		**399**	**0-163**	
NEIC	V	04 01 44 50.7	11.03N	60.98W	5	5.4b,4.9s		**¶97v0536**		
MOS	V	04 01 44 51.9	11.1N	61.1W	10	5.5b,4.9s				
BJI	V	04 01 44 52.0	11.00N	61.00W	5	5.4s				
TRN	V	04 01 44 52.1	11.1N	60.9W	5	5.1D				
EIDC	V	04 01 44 53.2	11.1N	61.1W	15	5.0b,4.9L				
HRVD	V	04 01 44 55.9±.4	11.20N±.04	61.12W±.05	15					
NEIC	Mw5.5(HRV)									
TRN	Felt strongly throughout Tobago I=VI MM. Slight damage to poorly constructed buildings. Also felt in most parts of Trinidad I=IV									
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c37; Half duration: 1$\frac{1}{2}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.64±.09; $M_{\theta\theta}$1.87±.08; $M_{\phi\phi}$−0.23±.14; $M_{r\theta}$−0.26±.35; $M_{r\phi}$1.09±.34; $M_{\theta\phi}$−0.44±.07. Principal Axes: T 2.02,Plg8°,Azm195°; N 0.21, Plg27°,Azm289°; P −2.23,Plg61°,Azm90°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S257°,δ44°,λ−131°. NP2:ϕ_S127°,δ59°,λ−58°.									
ISC	**V**	**04 02 01 45.8**±.99	**11.0N**±.11	**60.9W**±.14	**16**±14	3.4b		**7**	**0-64**	
TRN	V	04 02 01 43.7	11.0N	60.9W	10	2.7D		**¶97v0539**		
TRN	**V**	**04 02 14 00.2**	**11.0N**	**60.9W**	**13**	**2.4D**		**¶97v0542**		
ISC	**V**	**04 02 20 20**±1.9	**11.10N**±.096	**60.7W**±.19	**4**			**5**	**0-1**	
TRN	V	04 02 20 18.0	11.1N	60.8W	4	2.6D		**¶97v0545**		
TRN	**V**	**04 04 00 22.6**	**11.1N**	**60.9W**	**28**	**2.2D**		**¶97v0560**		
ISC	**V**	**04 07 31 28.0**±.73	**11.05N**±.058	**60.93W**±.073	**4**			**10**	**0-2**	
TRN	V	04 07 31 24.8	11.0N	60.9W	4	2.8D		**¶97v0586**		
ISC	**V**	**04 07 36 01**±1.1	**11.04N**±.056	**60.95W**±.084	**15**±8.3	**3.6b**,3.1s		**22**	**0-79**	
TRN	V	04 07 35 59.0	11.0N	61.0W	8	3.8D		**¶97v0589**		
NEIC	V	04 07 36 00.3	11.32N	61.02W	5	3.6b				
EIDC	V	04 07 36 18.8	11.2N	61.0W	148	3.1b,3.1s				
NEIC	Less reliable solution.									
ISC	**V**	**04 07 38 26**±1.1	**11.06N**±.083	**60.9W**±.10	**4**			**5**	**0-1**	
TRN	V	04 07 38 23.3	11.0N	61.0W	4	2.9D		**¶97v0590**		
ISC	**V**	**04 08 04 45**±1.2	**11.1N**±.19	**60.9W**±.21	**26**			**4**	**0-1**	
TRN	V	04 08 04 43.9	11.0N	60.8W	26	2.6D		**¶97v0595**		
ISC	Poorly determined									
ISC	**V**	**04 08 46 11.7**±.89	**11.05N**±.080	**60.95W**±.079	**7**			**6**	**0-1**	
TRN	V	04 08 46 09.3	11.0N	60.9W	7	2.7D		**¶97v0599**		
ISC	**V**	**04 14 39 25**±1.2	**11.0N**±.17	**60.9W**±.21	**5**±37			**5**	**0-1**	
TRN	V	04 14 39 22.6	11.0N	60.9W	19	2.7D		**¶97v0656**		
NEIC	V	04 14 39 24.8	11.01N	60.92W	10					
ISC	Poorly determined									
NEIC	Single network solution.									
ISC	**V**	**04 15 17 56**±1.2	**11.1N**±.14	**60.9W**±.14	**5**			**5**	**0-1**	
TRN	V	04 15 17 53.4	11.0N	60.9W	5	2.6D		**¶97v0659**		
NEIC	V	04 15 17 55.9	11.06N	60.93W	5					
NEIC	Single network solution.									
ISC	**V**	**04 17 33 02**±1.6	**11.1N**±.14	**60.7W**±.21	**16**			**5**	**0-1**	
TRN	V	04 17 33 00.0	11.0N	60.7W	16	2.8D		**¶97v0670**		
NEIC	V	04 17 33 02.0	11.06N	60.78W	10					
NEIC	Single network solution.									
ISC	**V**	**04 18 12 07**±5.1	**11.1N**±.11	**60.6W**±.38	**8**±14			**7**	**0-1**	
TRN	V	04 18 12 06.1	11.0N	60.8W	5	3.0D		**¶97v0673**		
NEIC	V	04 18 12 07.4	11.07N	60.64W	10					
NEIC	Less reliable solution.									
ISC	**V**	**04 18 49 28**±1.1	**11.1N**±.16	**60.9W**±.13	**16**			**6**	**0-1**	
TRN	V	04 18 49 26.4	11.1N	61.0W	16	2.4D		**¶97v0677**		
NEIC	V	04 18 49 28.3	11.05N	60.96W	10					
NEIC	Single network solution.									
ISC	**V**	**04 19 14 32.5**±.90	**11.04N**±.089	**60.92W**±.093	**10**			**6**	**0-1**	
TRN	V	04 19 14 30.1	11.0N	60.9W	10	2.3D		**¶97v0682**		
NEIC	V	04 19 14 32.5	11.04N	60.92W	10					
NEIC	Single network solution.									
ISC	**V**	**04 20 08 17**±1.6	**11.10N**±.075	**60.7W**±.17	**4**±8.6	3.7b		**11**	**0-64**	
TRN	V	04 20 08 14.1	11.0N	60.8W	2	3.3D		**¶97v0689**		
NEIC	V	04 20 08 16.9	11.10N	60.74W	5	3.7b				
ISC	**V**	**04 21 27 05.1**±.97	**11.1N**±.14	**61.0W**±.13	**3**±41			**6**	**0-1**	
TRN	V	04 21 27 03.1	11.0N	60.9W	14	2.6D		**¶97v0698**		
NEIC	V	04 21 27 05.0	11.03N	60.92W	10					
NEIC	Single network solution.									
ISC	**V**	**06 08 35 10**±2.1	**11.11N**±.077	**60.7W**±.19	**1**			**6**	**0-1**	
TRN	V	06 08 35 07.3	11.1N	60.7W	1	2.8D		**¶97v0936**		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**V**	**06 11 42 37**±4.0	**11.4N**±.18	**62.0W**±.68	**100**		**4**	**1-1**	
TRN	V	06 11 42 37.0	11.4N	62.0W	106	2.7D			¶97v0959
NEIC	V	06 11 42 37.1	11.38N	62.06W	100				
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**V**	**07 13 01 30.1**±.89	**11.05N**±.080	**60.95W**±.080	**5**		**6**	**0-1**	
TRN	V	07 13 01 27.9	11.0N	60.9W	11	2.6D			¶97v1107
NEIC	V	07 13 01 30.0	11.05N	60.95W	5				
NEIC		Single network solution.							
ISC	**V**	**07 18 30 39**±1.2	**11.1N**±.17	**60.9W**±.14	**20**		**5**	**0-1**	
TRN	V	07 18 30 36.5	11.1N	61.0W	6	2.4D			¶97v1132
NEIC	V	07 18 30 39.2	11.07N	60.94W	20				
NEIC		Single network solution.							
ISC	**V**	**08 11 16 09.2**±.99	**11.05N**±.068	**60.8W**±.11	**5**		**11**	**0-3**	
TRN	V	08 11 16 05.8	11.0N	60.8W	1	3.6D			¶97v1232
NEIC	V	08 11 16 09.2	11.05N	60.82W	5				
NEIC		Single network solution.							
ISC	**V**	**08 18 16 54**±3.1	**11.2N**±.32	**60.9W**±.33	**23**±35		**5**	**0-1**	
TRN	V	08 18 16 52.6	11.2N	60.8W	26	2.6D			¶97v1291
ISC		Poorly determined							
TRN	**V**	**09 00 27 25.4**	**14.4N**	**60.3W**	**65**	**3.3D**			¶97v1331
TRN		MD2.6 (after FDF)							
ISC	**V**	**09 19 19 46**±2.2	**11.12N**±.074	**60.7W**±.20	**5**		**7**	**0-1**	
NEIC	V	09 19 19 46.3	11.12N	60.71W	5				¶97v1473
TRN	V	09 19 19 46.5	11.1N	60.7W	3	3.0D			
NEIC		Single network solution.							
TRN	**V**	**09 19 51 37.9**	**11.0N**	**60.7W**	**3**	**2.7D**			¶97v1478
ISC	**V**	**10 07 47 52**±5.4	**11.0N**±.26	**60.7W**±.44	**5**		**4**	**0-1**	
TRN	V	10 07 47 49.7	11.0N	60.8W	5	2.5D			¶97v1546
ISC		Poorly determined							
ISC	**V**	**10 13 19 31**±1.3	**11.0N**±.14	**60.9W**±.14	**9**		**5**	**0-1**	
TRN	V	10 13 19 28.5	11.0N	61.0W	9	2.6D			¶97v1603
ISC	**V**	**11 19 22 53**±1.9	**11.2N**±.10	**60.7W**±.20	**9**±10		**7**	**0-1**	
TRN	V	11 19 22 51.4	11.1N	60.8W	10	3.0D			¶97v1831
NEIC	V	11 19 22 53.0	11.20N	60.72W	10				
NEIC		Single network solution.							
ISC	**V**	**12 21 10 42**±2.3	**11.2N**±.13	**62.0W**±.32	**100**		**6**	**1-1**	
TRN	V	12 21 10 41.3	11.1N	62.2W	107	3.1D			¶97v2045
NEIC	V	12 21 10 42.3	11.17N	62.03W	100				
NEIC		Poor solution.							
TRN	**V**	**12 22 58 13.5**	**11.2N**	**60.7W**	**4**	**2.9D**			¶97v2066
TRN	**V**	**13 10 35 47.6**	**11.2N**	**60.7W**	**7**	**3.0D**			¶97v2231
TRN	**V**	**13 12 15 02.7**	**11.3N**	**60.7W**	**3**	**2.9D**			¶97v2248
ISC	**V**	**14 01 03 53**±2.5	**13.5N**±.22	**61.1W**±.68	**10**		**5**	**0-0**	
TRN	V	14 01 03 49.7	13.6N	61.3W	10	2.1D			¶97v2361
ISC	**V**	**14 02 54 05**±1.1	**11.12N**±.070	**60.8W**±.11	**3**		**7**	**0-1**	
TRN	V	14 02 54 02.6	11.1N	60.8W	3	2.5D			¶97v2372
NEIC	V	14 02 54 05.3	11.12N	60.74W	5				
NEIC		Single network solution.							
ISC	**V**	**14 06 40 50**±8.3	**11.0N**±.23	**62.3W**±.82	**39**		**5**	**1-1**	
TRN	V	14 06 40 51.6	11.1N	62.1W	39	3.2D			¶97v2400
ISC	**V**	**14 23 35 34**±1.7	**11.39N**±.079	**60.8W**±.19	**52**±26		**14**	**0-5**	
TRN	V	14 23 35 33.3	11.4N	60.8W	39	3.8D			¶97v2523
NEIC	V	14 23 35 33.3	11.48N	60.98W	5				
NEIC		Single network solution.							
ISC	**V**	**15 08 49 10.5**±.95	**11.06N**±.078	**60.8W**±.10	**1**		**7**	**0-1**	
TRN	V	15 08 49 07.3	11.0N	60.8W	1	3.4D			¶97v2586
ISC	**V**	**15 19 48 16**±2.9	**11.0N**±.10	**60.8W**±.26	**5**		**5**	**0-1**	
TRN	V	15 19 48 12.8	11.0N	60.8W	0	2.9D			¶97v2665
NEIC	V	15 19 48 15.7	11.05N	60.76W	5				
NEIC		Single network solution.							
TRN	**V**	**16 15 09 18.8**	**11.4N**	**60.8W**	**10**	**2.8D**			¶97v2795
ISC	**V**	**16 21 17 59.0**±.54	**11.06N**±.035	**61.26W**±.049	**38**±5.0	**4.6b,3.7s**	**121**	**0-158**	
TRN	V	16 21 17 53.7	11.0N	60.9W	4	4.1D			¶97v2835
NEIC	V	16 21 17 55.2	11.04N	60.94W	5	4.8b			
EIDC	V	16 21 17 55.4	11.1N	61.2W	0	4.5b,3.7s			
MOS	V	16 21 17 55.5	11.1N	61.2W	10	4.9b			
ISC	**V**	**18 17 45 10**±1.2	**11.1N**±.10	**60.8W**±.14	**5**		**6**	**0-1**	
TRN	V	18 17 45 07.7	11.1N	60.8W	5	2.8D			¶97v3124
ISC	**V**	**19 01 33 10.4**±.91	**11.12N**±.077	**60.81W**±.093	**5**		**7**	**0-1**	
TRN	V	19 01 33 07.6	11.0N	60.8W	4	2.8D			¶97v3178
NEIC	V	19 01 33 10.5	11.12N	60.81W	5				
NEIC		Single network solution.							
ISC	**V**	**19 06 33 23**±1.0	**11.13N**±.085	**60.8W**±.10	**0**		**6**	**0-1**	
TRN	V	19 06 33 19.2	11.1N	60.8W	0	2.7D			¶97v3211
ISC	**V**	**20 11 18 25**±1.9	**11.1N**±.11	**60.7W**±.20	**7**		**5**	**0-1**	
TRN	V	20 11 18 22.4	11.0N	60.7W	7	2.7D			¶97v3394
ISC	**V**	**20 19 29 32**±1.7	**11.0N**±.11	**60.8W**±.19	**3**		**5**	**0-1**	
TRN	V	20 19 29 29.7	11.1N	60.8W	3	2.8D			¶97v3449
ISC	**V**	**21 22 05 26**±6.4	**11.09N**±.077	**60.6W**±.48	**6**		**6**	**0-1**	
TRN	V	21 22 05 24.1	11.1N	60.7W	6	2.8D			¶97v3612
TRN	**V**	**24 09 56 09.8**	**11.1N**	**60.7W**	**9**	**2.3D**			¶97v4094
ISC	**V**	**24 19 20 27**±2.2	**11.2N**±.25	**60.7W**±.17	**19**		**5**	**0-1**	
TRN	V	24 19 20 25.8	11.1N	60.7W	19	2.6D			¶97v4158
ISC	**V**	**25 08 42 31**±1.0	**11.02N**±.075	**61.08W**±.090	**11**		**7**	**0-2**	
TRN	V	25 08 42 28.1	11.0N	61.1W	11	2.5D			¶97v4245
ISC	**V**	**29 07 20 58**±3.3	**11.4N**±.17	**60.8W**±.52	**30**±30		**5**	**0-1**	
TRN	V	29 07 20 56.1	11.4N	60.7W	39	2.7D			¶97v4837
ISC		Poorly determined							
ISC	**V**	**31 02 39 12**±2.0	**11.11N**±.099	**60.6W**±.16	**11**±9.4	**3.6b**	**10**	**0-78**	
TRN	V	31 02 39 12.9	11.1N	60.7W	3	3.4D			¶97v5140
EIDC	V	31 02 39 23.3	13.5N	60.7W	0	3.5b			
ISC	**V**	**31 06 13 51**±2.3	**11.1N**±.10	**60.7W**±.25	**8**±13		**7**	**0-1**	
TRN	V	31 06 13 51.5	11.1N	60.7W	9	3.2D			¶97v5156
ISC	**V**	**31 06 23 29**±1.8	**11.13N**±.092	**60.6W**±.14	**13**±8.1	**3.7b**	**12**	**0-78**	
TRN	V	31 06 23 30.2	11.1N	60.7W	10	3.5D			¶97v5158
EIDC	V	31 06 23 40.6	13.4N	60.7W	0	3.5b			
ISC	**V**	**31 13 42 12**±1.7	**11.09N**±.078	**60.7W**±.17	**2**		**7**	**0-1**	
TRN	V	31 13 42 12.2	11.1N	60.8W	2	3.0D			¶97v5198
ISC	**V**	**31 16 48 37**±11	**14.0N**±.33	**60.1W**±.81	**29**		**5**	**1-1**	
TRN	V	31 16 48 37.2	14.1N	60.2W	29				¶97v5211
ISC	**VI**	**01 22 22 28**±2.7	**11.0N**±.10	**61.9W**±.31	**15**		**5**	**0-1**	
TRN	VI	01 22 22 25.8	11.0N	62.0W	15	2.6D			¶97vi0144
ISC	**VI**	**02 03 14 06**±1.2	**11.27N**±.071	**61.6W**±.12	**14**		**6**	**1-1**	
TRN	VI	02 03 14 03.3	11.3N	61.5W	14	2.8D			¶97vi0169
TRN	**VI**	**02 09 34 47.4**	**11.0N**	**61.0W**	**5**	**2.3D**			¶97vi0218
TRN	**VI**	**02 09 45 21.8**	**11.4N**	**60.4W**	**19**	**2.6D**			¶97vi0220
ISC	**VI**	**03 00 00 30**±2.0	**11.03N**±.090	**60.7W**±.20	**8**		**7**	**0-1**	
TRN	VI	03 00 00 27.6	11.0N	60.8W	8	3.1D			¶97vi0355
ISC	**VI**	**03 09 30 48**±1.7	**11.15N**±.076	**61.8W**±.17	**13**		**6**	**0-1**	
TRN	VI	03 09 30 47.8	11.1N	61.7W	13	3.1D			¶97vi0416
ISC	**VI**	**03 10 30 09**±1.2	**12.0N**±.12	**61.4W**±.24	**87**	3.1b	**7**	**0-63**	
TRN	VI	03 10 30 08.5	11.9N	61.4W	87	3.3D			¶97vi0427
ISC	**VI**	**03 17 17 48**±4.4	**11.6N**±.17	**61.2W**±.71	**62**		**4**	**1-1**	
TRN	VI	03 17 17 46.4	11.6N	61.2W	62	2.7D			¶97vi0495
ISC		Poorly determined							
TRN	**VI**	**03 17 41 32.9**	**11.4N**	**60.5W**	**29**	**2.8D**			¶97vi0499
ISC	**VI**	**04 19 53 43**±1.8	**11.1N**±.14	**60.8W**±.22	**3**		**5**	**0-1**	
TRN	VI	04 19 53 39.8	11.0N	60.8W	3	2.6D			¶97vi0668
ISC		Poorly determined							
ISC	**VI**	**07 06 47 44**±7.8	**11.0N**±.36	**60.7W**±.60	**6**		**4**	**0-1**	
TRN	VI	07 06 47 42.1	11.1N	60.8W	6	2.4D			¶97vi1056
ISC		Poorly determined							
ISC	**VI**	**07 19 29 15**±2.7	**11.1N**±.13	**60.7W**±.31	**11**±16		**6**	**0-1**	
TRN	VI	07 19 29 13.2	11.1N	60.8W	8	3.0D			¶97vi1134
ISC	**VI**	**09 04 04 18**±5.3	**14.9N**±.15	**60.4W**±.69	**61**±59		**7**	**0-1**	
TRN	VI	09 04 04 18.2	14.9N	60.6W	59	3.1D			¶97vi1329
TRN		MD2.7 (after FDF)							
ISC	**VI**	**09 13 41 32**±2.9	**11.0N**±.13	**61.9W**±.26	**43**±50		**8**	**0-2**	
TRN	VI	09 13 41 31.3	10.9N	62.0W	57	3.2D			¶97vi1400
ISC	**VI**	**13 02 24 01**±1.3	**11.15N**±.075	**61.6W**±.19	**10**		**5**	**0-1**	
TRN	VI	13 02 24 00.6	11.1N	61.9W	10	2.9D			¶97vi1923
ISC	**VI**	**13 05 27 37**±3.4	**11.1N**±.11	**61.9W**±.46	**13**		**4**	**0-1**	
TRN	VI	13 05 27 36.2	11.1N	61.9W	13	3.3D			¶97vi1936
ISC		Poorly determined							
ISC	**VI**	**13 18 56 18**±3.5	**11.4N**±.17	**60.7W**±.35	**37**		**4**	**0-1**	
TRN	VI	13 18 56 17.5	11.4N	60.8W	37	2.5D			¶97vi2027
ISC		Poorly determined							
TRN	**VI**	**14 01 18 07.0**	**11.1N**	**62.1W**	**32**	**3.0D**			¶97vi2069
ISC	**VI**	**14 18 22 27**±7.1	**11.1N**±.21	**60.7W**±.52	**3**		**4**	**0-1**	
TRN	VI	14 18 22 24.6	11.0N	60.7W	3	2.4D			¶97vi2155
ISC		Poorly determined							
ISC	**VI**	**17 06 30 08**±15	**14.9N**±.72	**60.6W**±.91	**33**		**5**	**0-1**	
									¶97vi2561
ISC	**VI**	**18 17 33 45**±10	**14.4N**±.19	**60.5W**±.86	**33**		**4**	**0-1**	
TRN	VI	18 17 33 45.6	14.4N	60.6W	33				¶97vi2814
ISC		Poorly determined							
TRN		MD2.2 (after FDF)							
TRN	**VI**	**19 12 30 53.4**	**11.0N**	**62.6W**	**21**	**3.5D**			¶97vi2920
ISC	**VI**	**23 03 29 31**±6.2	**12.1N**±.17	**59.4W**±.57	**33**		**5**	**2-3**	
									¶97vi3478
ISC	**VI**	**26 01 33 10**±1.3	**11.6N**±.10	**61.3W**±.15	**35**		**6**	**1-1**	
TRN	VI	26 01 33 07.7	11.6N	61.3W	35	3.3D			¶97vi4065
TRN	**VI**	**27 16 17 25.8**	**11.5N**	**61.8W**	**0**	**2.7D**			¶97vi4324

(96) Near north coast of Colombia.

EIDC	**II**	**14 21 55 43.0**	**10.5N**	**74.3W**	**0**	3.5b		**33-150**	
									¶97ii2121
ISC	**IV**	**19 22 57 28**±3.9	**9.2N**±.39	**77.2W**±.33	**33**	3.3b	**6**	**1-60**	
									¶97iv3249

(97) Near coast of Venezuela.

ISC	**I**	**01 00 20 35**±7.5	**10.9N**±.24	**62.2W**±.48	**3**		**5**	**1-1**	
TRN	I	01 00 20 29.2	11.0N	62.6W	3	3.0D			¶97i0004
ISC	**I**	**01 17 52 43.7**±.78	**10.6N**±.13	**63.32W**±.091	**33**	**3.9b**	**10**	**2-78**	
EIDC	I	01 17 52 38.1	11.0N	62.0W	0	3.9b			¶97i0097
NEIC	I	01 17 52 44.2	10.53N	63.28W	33	3.5b			
TRN	I	01 17 52 54.3	11.2N	62.4W	33	3.4D			
NEIC		Less reliable solution.							
TRN	**I**	**02 13 50 57.5**	**10.8N**	**62.6W**	**53**	**3.3D**			¶97i0219
ISC	**I**	**15 04 37 19**±1.3	**10.4N**±.19	**62.21W**±.080	**5**		**7**	**1-5**	
TRN	I	15 04 37 19.1	10.5N	62.3W	3	3.3D			¶97i2095
NEIC	I	15 04 37 25.2	10.52N	61.84W	5				
NEIC		Poor solution.							
ISC	**I**	**18 07 17 05**±9.4	**10.9N**±.15	**62.1W**±.66	**10**		**6**	**0-1**	
TRN	I	18 07 17 04.9	10.9N	62.0W	10	3.1D			¶97i2623
NEIC	I	18 07 17 07.1	10.85N	61.89W	10				
NEIC		Mp3.1(TRN), Poor solution.							
ISC	**I**	**20 00 07 49**±1.8	**10.4N**±.14	**62.35W**±.093	**16**±17	**3.5b**	**12**	**1-80**	
NEIC	I	20 00 07 45.6	10.33N	62.50W	5	3.4b			¶97i2910
EIDC	I	20 00 07 48.2	10.6N	62.6W	0	3.2b			
TRN	I	20 00 07 49.0	10.5N	62.3W	3	3.4D			
NEIC		Less reliable solution.							
ISC	**I**	**27 04 39 30**±1.9	**10.9N**±.29	**62.82W**±.080	**3**		**7**	**1-4**	
TRN	I	27 04 39 29.5	11.0N	62.8W	3	3.5D			¶97i4047
TRN	**II**	**05 17 31 24.0**	**10.5N**	**62.6W**	**35**	**3.2D**			¶97ii0726
ISC	**II**	**09 03 00 40**±1.4	**10.3N**±.23	**62.41W**±.079	**10**	**3.6b**	**11**	**1-80**	
NEIC	II	09 03 00 39.4	10.32N	62.43W	10	3.5b			¶97ii1243
TRN	II	09 03 00 42.0	10.4N	62.2W	10	3.5D			
EIDC	II	09 03 00 43.6	10.3N	62.4W	23	3.6b			
NEIC		Less reliable solution.							
ISC	**II**	**10 10 59 40**±2.6	**10.8N**±.37	**62.5W**±.24	**71**±54		**7**	**1-3**	
TRN	II	10 10 59 40.6	10.8N	62.5W	56	3.5D			¶97ii1446
ISC	**II**	**11 16 03 05**±1.7	**10.8N**±.11	**62.23W**±.096	**30**±17		**7**	**0-5**	
TRN	II	11 16 03 05.3	10.8N	62.2W	32	3.4D			¶97ii1643
ISC	**II**	**15 20 46 05**±1.3	**10.5N**±.69	**62.4W**±.13	**100**		**4**	**1-4**	
TRN	II	15 20 46 05.8	10.5N	62.4W	100	3.1D			¶97ii2292
ISC		Poorly determined							
ISC	**II**	**20 10 03 29**±3.8	**9.6N**±.33	**60.3W**±.22	**5**	3.5b	**6**	**1-66**	
TRN	II	20 10 03 36.4	10.0N	60.6W	9	4.0D			¶97ii2903
NEIC	II	20 10 03 37.7	10.07N	60.66W	5	3.5b			
NEIC		Mp4.0(TRN), Poor solution.							
ISC	**II**	**22 10 18 08.6**±.82	**10.6N**±.20	**62.31W**±.056	**3**	3.9b	**8**	**1-64**	
TRN	II	22 10 18 09.3	10.6N	62.3W	3	3.3D			¶97ii3192
TRN	**II**	**28 09 32 31.8**	**9.7N**	**61.8W**	**30**	**3.8D**			¶97ii4198
ISC	**II**	**28 22 53 06**±1.0	**10.41N**±.078	**67.12W**±.068	**6**±12		**8**	**0-2**	
TRN	II	28 22 53 05.3	10.4N	67.2W	4				¶97ii4357
ISC	**III**	**04 12 25 01**±1.2	**11.00N**±.079	**69.53W**±.084	**41**±13	**4.1b**	**37**	**1-155**	
TRN	III	04 12 24 54.3	11.4N	69.8W	89				¶97iii0843
NEIC	III	04 12 24 59.4	10.97N	69.61W	33	4.3b			
EIDC	III	04 12 25 15.9	10.9N	69.9W	170	3.7b			
NEIC		Less reliable solution.							
ISC	**III**	**06 09 15 42**±1.5	**11.0N**±.33	**62.62W**±.066	**38**		**7**	**1-4**	
TRN	III	06 09 15 42.8	10.7N	62.5W	38	3.4D			¶97iii1239
NEIC	III	06 09 15 50.2	10.86N	62.00W	40				
NEIC		Poor solution.							

ISC	**III**	**07 06 27 31**±3.5	**11.0N**±.10	**69.40W**±.095	**19**±27	**3.9b**	**26**	**1-155**
TRN	III	07 06 27 29.8	10.9N	69.6W	101			**¶97iii1452**
NEIC	III	07 06 27 34.8	11.05N	69.46W	50	4.2b		
EIDC	III	07 06 27 39.0	11.2N	69.4W	67	3.6b		
NEIC	Less reliable solution.							
TRN	**III**	**26 00 51 59.9**	**10.6N**	**64.6W**	**5**			**¶97iii4820**
ISC	**III**	**28 20 54 08**±1.9	**10.42N**±.068	**62.23W**±.043	**15**±14	**4.1b**	**35**	**1-146**
EIDC	III	28 20 54 06.4	10.5N	62.7W	0	4.1b		**¶97iii5483**
TRN	III	28 20 54 07.9	10.4N	62.2W	10	4.0D		
NEIC	III	28 20 54 18.1	10.57N	62.77W	100	3.7b		
TRN	MD4.6 (after FDF)							
NEIC	Poor solution.							
ISC	**IV**	**07 23 25 34.5**±.57	**10.33N**±.045	**62.22W**±.046	**51**±5.8	**4.1b,3.5s**	**59**	**1-161**
NEIC	IV	07 23 25 28.1	10.22N	62.42W	5	4.4b		**¶97iv1241**
TRN	IV	07 23 25 31.9	10.3N	62.2W	3	4.4D		
EIDC	IV	07 23 25 32.9	10.4N	62.5W	23	4.0b,3.4s		
NEIC	Felt in central and parts of southern Trinidad.							
TRN	**IV**	**08 22 37 32.1**	**10.8N**	**62.5W**	**44**	**3.1D**		**¶97iv1422**
TRN	**IV**	**16 02 39 09.8**	**11.2N**	**69.9W**	**66**			**¶97iv2677**
ISC	**IV**	**18 01 42 52**±5.4	**10.8N**±.22	**62.3W**±.52	**78**		**6**	**1-2**
TRN	IV	18 01 42 52.3	10.7N	62.2W	78	3.2D		**¶97iv3008**
ISC	**IV**	**18 04 03 34.6**±.50	**10.72N**±.052	**62.46W**±.054	**86**±5.6	**4.0b**	**35**	**1-93**
NEIC	IV	18 04 03 33.9	10.75N	62.67W	81	3.9b		**¶97iv3017**
TRN	IV	18 04 03 36.0	10.7N	62.4W	44	3.9D		
EIDC	IV	18 04 03 36.3	10.8N	62.7W	86	3.8b		
NEIC	Less reliable solution.							
TRN	**IV**	**22 08 53 07.5**	**11.1N**	**69.8W**	**70**			**¶97iv3676**
TRN	**IV**	**27 05 30 12.2**	**10.9N**	**62.4W**	**24**	**3.3D**		**¶97iv4668**
TRN	**IV**	**27 23 15 25.8**	**10.4N**	**62.2W**	**20**	**3.0D**		**¶97iv4804**
TRN	**V**	**01 09 29 28.1**	**10.9N**	**62.5W**	**60**	**3.0D**		**¶97v0070**
ISC	**V**	**01 09 45 21.3**±.73	**10.23N**±.092	**62.08W**±.069	**55**±9.6	**3.5b**	**23**	**1-146**
NEIC	V	01 09 45 15.2	10.09N	62.38W	10			**¶97v0075**
TRN	V	01 09 45 20.2	10.3N	62.1W	10	3.9D		
EIDC	V	01 09 46 02.8	12.0N	62.7W	343	2.9b		
NEIC	Less reliable solution.							
ISC	**V**	**06 19 26 59.6**±.67	**10.66N**±.065	**62.57W**±.072	**95**±6.5	**4.0b**	**39**	**1-165**
NEIC	V	06 19 26 58.7	10.65N	62.65W	89	4.1b		**¶97v0999**
TRN	V	06 19 27 01.0	10.6N	62.5W	79	3.9D		
EIDC	V	06 19 27 10.0	10.7N	62.8W	177	3.6b,3.0s		
ISC	**V**	**10 00 57 05.2**±.99	**10.39N**±.099	**62.42W**±.066	**3**	**3.7b**	**20**	**1-80**
NEIC	V	10 00 57 02.9	10.24N	62.59W	10			**¶97v1507**
EIDC	V	10 00 57 04.1	10.4N	63.0W	0	3.5b,2.9s		
TRN	V	10 00 57 06.9	10.4N	62.3W	3	3.8D		
NEIC	Less reliable solution.							
ISC	**V**	**10 01 08 19**±3.9	**10.2N**±.12	**62.52W**±.075	**7**±23	**3.8b**	**27**	**1-146**
NEIC	V	10 01 08 18.5	10.25N	62.56W	10			**¶97v1509**
TRN	V	10 01 08 21.6	10.4N	62.3W	3	3.9D		
EIDC	V	10 01 08 39.9	12.4N	62.6W	90	3.4b		
NEIC	Less reliable solution.							
TRN	**V**	**21 04 26 18.4**	**11.0N**	**70.9W**	**65**			**¶97v3512**
ISC	**V**	**21 07 47 06**±1.4	**10.2N**±.14	**62.21W**±.077	**15**		**8**	**1-3**
TRN	V	21 07 47 04.3	10.3N	62.2W	0	3.5D		**¶97v3529**
NEIC	V	21 07 47 09.4	10.45N	62.01W	15			
NEIC	Single network solution.							
TRN	**V**	**24 15 32 57.2**	**11.0N**	**62.3W**	**76**	**2.7D**		**¶97v4131**
ISC	**V**	**25 03 56 29**±7.9	**10.8N**±.35	**62.3W**±.55	**89**±55		**10**	**1-3**
TRN	V	25 03 56 29.1	10.7N	62.3W	94	3.6D		**¶97v4215**
ISC	**V**	**26 10 33 09**±6.4	**11.0N**±.20	**62.1W**±.45	**73**±59		**6**	**0-1**
TRN	V	26 10 33 07.0	10.8N	62.2W	84	3.3D		**¶97v4397**
TRN	**V**	**27 09 41 55.4**	**10.9N**	**62.3W**	**97**	**2.6D**		**¶97v4550**
ISC	**VI**	**02 18 44 56**±2.6	**10.4N**±.28	**63.1W**±.17	**67**	3.3b	**7**	**1-64**
TRN	VI	02 18 45 06.7	10.9N	62.3W	67	3.7D		**¶97vi0284**
ISC	**VI**	**11 13 51 04**±4.0	**11.0N**±.14	**62.2W**±.41	**65**		**6**	**0-1**
TRN	VI	11 13 51 04.1	11.0N	62.1W	65	3.1D		**¶97vi1698**
ISC	**VI**	**15 05 05 44.0**±.83	**10.78N**±.050	**62.47W**±.085	**74**±5.7	**4.1b**	**59**	**1-146**
TRN	VI	15 05 05 42.2	10.7N	62.6W	24	4.2D		**¶97vi2245**
NEIC	VI	15 05 05 45.2	10.86N	62.56W	86	4.3b		
EIDC	VI	15 05 05 46.4	10.9N	62.6W	80	3.8b,3.4s		
TRN	MD4.6 (after FDF). Felt I=II MM Bamboo and Curepe, Trinidad							
TRN	**VI**	**29 01 00 31.0**	**10.8N**	**62.4W**	**29**	**3.2D**		**¶97vi4547**

(98) Trinidad.

ISC	**I**	**17 11 35 48**±2.9	**10.9N**±.17	**61.9W**±.23	**77**±35		**14**	**0-5**
TRN	I	17 11 35 48.7	10.9N	61.9W	69	3.6D		**¶97i2439**
NEIC	I	17 11 35 49.9	11.01N	61.83W	50			
TRN	ML4.9 (after PAG). Felt I=II MM on Trinidad							
NEIC	Single network solution.							
ISC	**I**	**18 07 18 01**±2.3	**10.4N**±.21	**61.4W**±.14	**33**±15		**6**	**0-1**
NEIC	I	18 07 18 00.7	10.40N	61.42W	33			**¶97i2624**
TRN	I	18 07 18 01.0	10.5N	61.4W	26	3.5D		
NEIC	Single network solution.							
TRN	Felt I=II MM on Trinidad							
ISC	**I**	**20 01 09 24**±7.0	**10.6N**±.17	**61.8W**±.44	**10**		**4**	**0-1**
NEIC	I	20 01 09 23.5	10.58N	61.84W	10			**¶97i2918**
TRN	I	20 01 09 24.9	10.6N	61.8W	3	3.0D		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**I**	**26 04 48 13**±2.0	**10.3N**±.27	**61.4W**±.17	**40**		**4**	**0-1**
TRN	I	26 04 48 11.9	10.3N	61.4W	48	2.3D		**¶97i3887**
NEIC	I	26 04 48 12.5	10.32N	61.37W	40			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**I**	**26 19 46 54**±2.6	**10.5N**±.19	**61.6W**±.17	**33**±19		**5**	**0-1**
NEIC	I	26 19 46 54.2	10.49N	61.58W	33			**¶97i3989**
TRN	I	26 19 46 54.3	10.5N	61.6W	34	3.1D		
ISC	Poorly determined							
NEIC	Single network solution.							
ISC	**I**	**27 19 48 51**±6.0	**11.0N**±.25	**61.8W**±.43	**29**		**4**	**0-1**
TRN	I	27 19 48 43.6	11.2N	62.4W	29	3.2D		**¶97i4119**
ISC	Poorly determined							
TRN	**II**	**02 23 07 20.8**	**10.2N**	**61.5W**	**5**	**2.5D**		**¶97ii0292**
ISC	**II**	**03 12 03 52**±3.2	**10.4N**±.32	**61.7W**±.32	**45**		**4**	**0-1**
TRN	II	03 12 03 52.8	10.5N	61.7W	45	3.1D		**¶97ii0374**
ISC	Poorly determined							
ISC	**II**	**20 10 16 06**±15	**10.2N**±.85	**60.6W**±.72	**32**±28		**6**	**1-1**
NEIC	II	20 10 15 58.2	9.84N	60.32W	10			**¶97ii2906**
TRN	II	20 10 16 00.9	10.0N	60.4W	17	3.4D		
NEIC	Poor solution.							
ISC	**II**	**20 10 31 32**±5.8	**10.4N**±.36	**61.0W**±.27	**22**±31		**5**	**0-1**
TRN	II	20 10 31 19.2	9.7N	60.6W	11	3.4D		**¶97ii2909**
NEIC	II	20 10 31 31.5	10.34N	60.98W	15			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**II**	**20 19 54 27**±1.2	**10.6N**±.16	**61.3W**±.11	**29**±18		**6**	**0-1**
TRN	II	20 19 54 27.0	10.6N	61.3W	33	2.7D		**¶97ii2971**
NEIC	II	20 19 54 27.1	10.59N	61.33W	33			
NEIC	Single network solution.							
ISC	**III**	**07 07 46 17**±2.8	**10.6N**±.26	**61.1W**±.20	**29**		**4**	**0-1**
NEIC	III	07 07 46 16.3	10.61N	61.12W	33			**¶97iii1463**
TRN	III	07 07 46 16.7	10.6N	61.1W	29	2.7D		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**III**	**08 08 45 57**±11	**10.9N**±.53	**61.0W**±.49	**10**		**5**	**0-1**
TRN	III	08 08 45 56.4	10.9N	61.1W	13	2.8D		**¶97iii1716**
NEIC	III	08 08 45 56.5	10.85N	61.04W	10			
ISC	Poorly determined							
NEIC	Poor solution.							
TRN	**III**	**19 10 40 48.2**	**10.5N**	**61.6W**	**20**	**2.3D**		**¶97iii3688**
ISC	**III**	**26 18 03 29.7**±.95	**10.9N**±.12	**61.2W**±.12	**32**		**6**	**0-1**
TRN	III	26 18 03 29.5	10.9N	61.2W	32	3.3D		**¶97iii5047**
NEIC	III	26 18 03 29.6	10.86N	61.15W	33			
NEIC	Single network solution.							
ISC	**III**	**26 18 47 58**±1.0	**10.8N**±.14	**61.1W**±.12	**33**		**5**	**0-1**
TRN	III	26 18 47 57.9	10.9N	61.2W	33	2.3D		**¶97iii5055**
NEIC	III	26 18 47 58.1	10.85N	61.14W	33			
NEIC	Single network solution.							
TRN	**III**	**27 18 46 28.1**	**10.4N**	**61.5W**	**18**	**1.9D**		**¶97iii5285**
TRN	**III**	**27 19 04 56.5**	**10.4N**	**61.5W**	**16**	**2.2D**		**¶97iii5289**
ISC	**IV**	**07 23 32 39**±4.3	**10.4N**±.19	**61.9W**±.24	**5**		**5**	**0-2**
TRN	IV	07 23 32 35.4	10.2N	62.1W	5	3.2D		**¶97iv1242**
ISC	**IV**	**08 07 20 47**±4.1	**10.5N**±.18	**62.0W**±.23	**3**		**5**	**0-2**
TRN	IV	08 07 20 43.5	10.4N	62.2W	3	3.1D		**¶97iv1289**
ISC	**IV**	**08 09 37 47**±1.4	**11.00N**±.058	**60.69W**±.089	**8**±8.2	**4.0b,**3.2s	**28**	**0-151**
EIDC	IV	08 09 37 42.9	10.6N	61.3W	0	3.9b,3.2s		**¶97iv1307**
TRN	IV	08 09 37 45.0	11.0N	60.8W	3	4.0D		
NEIC	IV	08 09 37 46.2	11.00N	60.66W	5	4.4b		
NEIC	Felt on Tobago.							
ISC	**IV**	**08 18 41 19**±1.6	**10.97N**±.051	**60.62W**±.094	**7**±9.9	**4.0b**	**31**	**0-163**
EIDC	IV	08 18 41 18.1	11.0N	61.1W	0	4.0b,3.8s		**¶97iv1389**
NEIC	IV	08 18 41 18.9	11.01N	60.62W	5			
TRN	IV	08 18 41 20.5	11.0N	60.8W	3	3.6D		
ISC	**IV**	**10 13 40 13**±5.3	**10.5N**±.19	**61.8W**±.34	**13**		**4**	**0-1**
TRN	IV	10 13 40 06.6	10.4N	62.2W	13			**¶97iv1702**
ISC	Poorly determined							
ISC	**IV**	**12 03 05 30**±1.6	**10.92N**±.052	**60.68W**±.095	**4**±9.6	**3.9b,**3.2s	**26**	**0-151**
TRN	IV	12 03 05 29.7	11.0N	60.8W	3	4.0D		**¶97iv2000**
EIDC	IV	12 03 05 29.9	11.0N	61.0W	0	3.9b,3.2s		
NEIC	IV	12 03 05 30.4	10.95N	60.73W	10	4.0b		
TRN	**IV**	**22 10 00 01.0**	**10.9N**	**61.0W**	**3**	**3.0D**		**¶97iv3692**
ISC	**IV**	**22 11 26 46**±4.4	**11.0N**±.11	**61.0W**±.35	**3**	3.0b	**5**	**1-64**
TRN	IV	22 11 26 44.3	11.0N	60.8W	3	3.2D		**¶97iv3715**
ISC	**IV**	**22 11 44 14.4**±.88	**10.96N**±.064	**60.83W**±.089	**17**±6.9	**3.7b**	**22**	**0-151**
NEIC	IV	22 11 44 12.2	11.08N	61.02W	5	3.6b		**¶97iv3721**
EIDC	IV	22 11 44 13.1	11.0N	61.1W	0	3.6b		
TRN	IV	22 11 44 14.7	11.0N	60.9W	3	3.7D		
NEIC	Poor solution.							
ISC	**IV**	**22 11 46 24**±1.6	**10.97N**±.088	**60.8W**±.22	**48**±10	**3.8b**	**17**	**0-78**
TRN	IV	22 11 46 21.4	11.0N	60.7W	3	4.2D		**¶97iv3722**
EIDC	IV	22 11 46 23.7	11.6N	61.4W	0	3.8b		
ISC	**IV**	**23 10 39 59.8**±.53	**10.95N**±.042	**60.63W**±.061	**3**	**4.1b**	**33**	**0-151**
NEIC	IV	23 10 39 58.5	11.15N	61.00W	5	4.1b		**¶97iv3935**
TRN	IV	23 10 39 59.3	11.0N	60.8W	3	4.1D		
EIDC	IV	23 10 39 59.5	11.1N	61.0W	0	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**02 16 04 05**±4.5	**10.4N**±.20	**62.0W**±.24	**5**		**5**	**0-2**
TRN	V	02 16 04 02.7	10.3N	62.1W	5	3.4D		**¶97v0294**
ISC	**V**	**03 23 29 06**±6.8	**11.0N**±.14	**60.6W**±.48	**2**		**5**	**0-1**
TRN	V	03 23 29 04.5	11.0N	60.8W	2	2.5D		**¶97v0516**
ISC	**V**	**04 01 52 01**±1.4	**10.93N**±.095	**60.9W**±.14	**5**		**5**	**0-1**
TRN	V	04 01 51 57.8	11.0N	61.1W	5	2.3D		**¶97v0537**
ISC	**V**	**04 01 57 39**±1.2	**11.00N**±.099	**60.8W**±.13	**15**		**7**	**0-1**
TRN	V	04 01 57 36.0	11.1N	60.9W	15	2.6D		**¶97v0538**
TRN	**V**	**04 02 07 55.4**	**10.8N**	**61.0W**	**5**	**2.3D**		**¶97v0540**
ISC	**V**	**04 12 49 49**±1.5	**10.9N**±.13	**60.9W**±.15	**10**		**5**	**0-1**
TRN	V	04 12 49 46.6	10.9N	61.0W	10			**¶97v0641**
ISC	Poorly determined							
ISC	**V**	**04 14 22 36**±4.1	**10.5N**±.17	**62.0W**±.23	**5**		**6**	**0-2**
TRN	V	04 14 22 28.5	10.4N	62.4W	3	3.2D		**¶97v0654**
NEIC	V	04 14 22 30.6	10.44N	62.24W	5			
NEIC	Poor solution.							
TRN	**V**	**04 23 07 53.4**	**11.0N**	**61.4W**	**46**	**1.9D**		**¶97v0705**
ISC	**V**	**07 09 15 04**±2.8	**10.3N**±.39	**61.3W**±.21	**51**		**4**	**0-1**
TRN	V	07 09 15 04.3	10.3N	61.3W	51	2.8D		**¶97v1074**
NEIC	V	07 09 15 05.2	10.32N	61.33W	40			
ISC	Poorly determined							
NEIC	Poor solution.							
TRN	**V**	**08 23 15 29.3**	**10.2N**	**61.9W**	**67**	**2.6D**		**¶97v1324**
ISC	**V**	**09 18 21 41.0**±.67	**10.98N**±.060	**61.01W**±.074	**19**±7.2	**3.8b**	**26**	**0-161**
TRN	V	09 18 21 37.7	11.0N	61.0W	5	4.0D		**¶97v1463**
NEIC	V	09 18 21 40.0	11.01N	61.02W	5	3.8b		
EIDC	V	09 18 21 44.5	12.2N	61.1W	0	3.9b,3.2s		
ISC	**V**	**12 05 23 22**±1.8	**10.6N**±.25	**61.1W**±.16	**25**±17	3.1b	**5**	**0-64**
TRN	V	12 05 23 20.3	10.6N	61.1W	45	2.6D		**¶97v1897**
NEIC	V	12 05 23 20.7	10.60N	61.05W	33			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**V**	**15 19 43 28**±1.5	**10.87N**±.080	**61.7W**±.14	**9**		**5**	**0-1**
TRN	V	15 19 43 27.6	10.9N	61.8W	9	3.0D		**¶97v2664**
ISC	**V**	**21 05 59 20**±5.3	**10.8N**±.26	**61.9W**±.32	**64**±50		**8**	**0-3**
TRN	V	21 05 59 20.6	10.8N	61.8W	54	2.8D		**¶97v3524**
NEIC	V	21 05 59 20.7	10.85N	61.81W	50			
NEIC	Single network solution.							
ISC	**V**	**22 16 21 18**±1.3	**10.5N**±.15	**61.3W**±.11	**20**		**4**	**0-0**
TRN	V	22 16 21 17.9	10.5N	61.3W	20	1.8D		**¶97v3797**
ISC	Poorly determined							
TRN	**V**	**22 16 44 56.5**	**10.6N**	**61.4W**	**18**	**1.8D**		**¶97v3803**
ISC	**V**	**25 17 01 36**±1.9	**10.6N**±.33	**61.2W**±.22	**48**		**4**	**0-1**
TRN	V	25 17 01 35.8	10.5N	61.2W	48	2.3D		**¶97v4300**
ISC	Poorly determined							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
TRN	**VI 04 22 55 02.5**	**10.9N**	**61.4W**	**22**	**1.8D**		**¶97vi0680**
ISC	**VI 21 12 13 47**±2.0	**10.7N**±.26	**61.5W**±.15	**32**		**4**	**0-0**
TRN	VI 21 12 13 46.6	10.7N	61.5W	32	2.1D		**¶97vi3214**
ISC	Poorly determined						
TRN	**VI 21 23 05 00.8**	**10.3N**	**61.0W**	**52**	**2.4D**		**¶97vi3284**
TRN	**VI 24 14 41 26.8**	**10.5N**	**61.7W**	**37**	**2.4D**		**¶97vi3733**
TRN	**VI 29 16 44 37.1**	**10.7N**	**61.0W**	**45**	**2.5D**		**¶97vi4644**

(99) Northern Colombia.

ISC	**I 01 04 35 52.4**±.32	**6.79N**±.031	**72.96W**±.026	**167**±3.9	**4.9b**	**237**	**2-155**
IGQ	I 01 04 35 20.3	9.5N	73.6W	22	6.4b		**¶97i0026**
NEIC	I 01 04 35 51.8	6.81N	72.89W	164	5.0b		
BJI	I 01 04 35 52.8	7.16N	73.27W	158			
MOS	I 01 04 35 53.4	6.8N	73.1W	167	5.1b		
HRVD	I 01 04 35 55.2±.6	6.98N±.06	72.91W±.09	164±2.1			
EIDC	I 01 04 35 59.5	6.6N	73.1W	227	4.6b		
NEIC	Mw5.3(HRV).						

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c22; Half duration: 1s0. Moment tensor: Scale 10^{17}Nm; M_{rr}0.63±.06; $M_{\theta\theta}$−1.23±.09; $M_{\phi\phi}$0.60±.10; $M_{r\theta}$−0.34±.06; $M_{r\phi}$−0.25±.09; $M_{\theta\phi}$0.03±.11. Principal Axes: T 0.90,Plg50°,Azm102°; N 0.39, Plg38°,Azm261°; P −1.29,Plg10°,Azm359°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S126°,δ48°,λ146°. NP2:ϕ_S240°,δ66°,λ47°.

ISC	**I 11 07 01 55**±1.6	**6.9N**±.16	**73.0W**±.32	**162**±12	**3.8b**	**23**	**0-150**	
EIDC	I 11 07 01 35.8	6.5N	72.5W	14	4.0b		**¶97i1485**	
NEIC	I 11 07 01 54.3	6.97N	73.02W	150	4.2b			
NEIC	Less reliable solution.							
ISC	**I 17 22 58 59.1**±.61	**6.89N**±.075	**72.99W**±.078	**167**±6.2	**4.0b**	**34**	**0-154**	
NEIC	I 17 22 58 57.8	6.97N	72.89W	150	4.5b		**¶97i2556**	
EIDC	I 17 22 59 00.4	6.9N	73.1W	161	3.8b			
NEIC	Less reliable solution.							
ISC	**I 18 14 19 20**±1.4	**8.8N**±.26	**73.3W**±.58	**150**	**3.5b**	**8**	**25-151**	
NEIC	I 18 14 19 10.1	7.58N	72.96W	150	3.9b		**¶97i2674**	
EIDC	I 18 14 19 58.2	7.8N	74.8W	590	2.6b			
NEIC	Poor solution.							
ISC	**I 19 11 15 40**±7.5	**6.4N**±.50	**73.1W**±.36	**147**±50	**3.8b**	**13**	**5-150**	
EIDC	I 19 11 15 25.3	6.3N	73.6W	0	4.0b		**¶97i2831**	
NEIC	I 19 11 15 39.8	6.28N	73.15W	150	3.8b			
NEIC	Poor solution.							
ISC	**I 21 14 43 14.9**±.69	**6.26N**±.098	**73.40W**±.099	**140**±9.4	**3.4b**	**19**	**1-154**	
EIDC	I 21 14 43 13.2	6.1N	73.4W	118	3.3b		**¶97i3195**	
NEIC	I 21 14 43 14.9	6.20N	73.31W	150				
NEIC	Less reliable solution.							
ISC	**I 24 12 51 05.4**±.85	**6.4N**±.22	**72.3W**±.31	**50**	**3.8b**	**11**	**33-151**	
EIDC	I 24 12 51 01.1	6.6N	72.0W	0	3.8b		**¶97i3652**	
NEIC	I 24 12 51 05.4	6.39N	72.32W	50	4.0b			
NEIC	Less reliable solution.							
ISC	**I 27 02 39 29.2**±.74	**6.8N**±.12	**73.1W**±.21	**200**	**3.6b**	**13**	**19-150**	
EIDC	I 27 02 39 19.5	7.0N	73.1W	76	3.7b,4.0L		**¶97i4037**	
NEIC	I 27 02 39 24.3	6.81N	73.10W	150	3.6b			
NEIC	Less reliable solution.							
EIDC	**I 27 16 27 04.8**	**6.6N**	**72.2W**	**0**	**3.9b**		**37-150**	
							¶97i4106	
ISC	**II 03 06 46 31**±1.5	**7.3N**±.27	**72.1W**±.58	**33**	**3.5b**	**9**	**24-151**	
NEIC	II 03 06 46 30.9	7.20N	72.24W	33	4.0b		**¶97ii0331**	
EIDC	II 03 06 46 47.2	6.8N	72.9W	172	3.0b			
NEIC	Poor solution.							
ISC	**II 18 14 38 48**±1.3	**6.73N**±.090	**73.0W**±.17	**180**±13	**4.1b**	**23**	**1-150**	
NEIC	II 18 14 38 47.9	6.72N	73.06W	178	4.1b		**¶97ii2653**	
EIDC	II 18 14 38 49.3	6.7N	73.1W	178	3.9b			
NEIC	Less reliable solution.							
ISC	**II 26 00 10 43.4**±.68	**6.84N**±.059	**73.07W**±.058	**156**±8.1	**4.2b**	**49**	**2-150**	
NEIC	II 26 00 10 44.4	6.76N	73.16W	169	4.3b		**¶97ii3711**	
EIDC	II 26 00 10 45.7	6.8N	72.9W	168	4.0b			
ISC	**III 05 04 23 57.6**±.83	**7.1N**±.16	**73.5W**±.36	**300**	**3.4b**	**8**	**36-77**	
NEIC	III 05 04 23 47.9	7.13N	73.46W	200	3.8b		**¶97iii0980**	
EIDC	III 05 04 24 07.6	7.0N	73.6W	393	3.2b			
NEIC	Poor solution.							
EIDC	**III 05 08 04 39.4**	**6.5N**	**72.4W**	**0**	**3.4b**		**37-151**	
							¶97iii1014	
ISC	**III 07 17 27 56.2**±.33	**6.76N**±.032	**72.95W**±.029	**166**±3.8	**4.7b**	**219**	**0-179**	
NEIC	III 07 17 27 55.5	6.76N	72.96W	160	4.7b		**¶97iii1558**	
MOS	III 07 17 27 56.9	6.8N	73.0W	162	5.2b			
EIDC	III 07 17 27 57.1	6.7N	73.0W	160	4.7b			
BJI	III 07 17 27 57.5	7.33N	73.83W	157				
IGQ	III 07 17 28 17.9	2.0N	77.1W	146	5.3b			
NEIC	Felt in Antioquia and Santander Departments.							
BOG	Magnitude 4.6, felt at Bucaramanga, San Gil							
ISC	**III 09 15 52 12**±1.3	**7.7N**±.29	**73.6W**±.33	**350**	**3.2b**	**9**	**34-150**	
EIDC	III 09 15 52 19.5	7.4N	73.9W	435	3.0b		**¶97iii2015**	
EIDC	**III 13 14 44 51.8**	**6.6N**	**72.3W**	**0**	**3.7b**		**37-151**	
							¶97iii2727	
NEIC	**III 17 04 31 30.5**	**7.63N**	**73.39W**	**100**			**36-150**	
EIDC	III 17 04 31 32.3	7.1N	73.2W	140	3.5b		**¶97iii3317**	
NEIC	Poor solution.							
NEIC	**III 19 06 55 21.4**	**7.58N**	**72.67W**	**150**	4.1b		**36-151**	
EIDC	III 19 06 54 58.2	6.5N	72.4W	0	3.8b		**¶97iii3650**	
NEIC	Poor solution.							
ISC	**III 24 16 47 34**±1.8	**7.0N**±.25	**73.0W**±.25	**159**±28	**4.0b**	**16**	**2-154**	
NEIC	III 24 16 47 32.8	6.95N	72.92W	158			**¶97iii4591**	
EIDC	III 24 16 47 50.8	6.8N	73.5W	311	3.5b			
NEIC	Poor solution.							
EIDC	**IV 03 09 36 48.3**	**6.5N**	**72.4W**	**0**	**3.7b**		**37-150**	
							¶97iv0406	
ISC	**IV 17 09 28 29**±1.1	**7.3N**±.17	**72.7W**±.37	**150**	**3.3b**	**9**	**24-151**	
NEIC	IV 17 09 28 29.3	7.29N	72.68W	150	3.5b		**¶97iv2877**	
EIDC	IV 17 09 28 33.7	7.2N	72.7W	184	3.0b			
NEIC	Poor solution.							
EIDC	**IV 19 20 35 43.3**	**6.5N**	**73.4W**	**136**	**3.0b**		**23-150**	
							¶97iv3234	
ISC	**V 02 00 47 38.5**±.84	**6.84N**±.088	**73.0W**±.13	**164**±8.3	**3.9b**	**31**	**0-153**	
NEIC	V 02 00 47 38.1	6.86N	72.99W	160	4.0b		**¶97v0182**	
EIDC	V 02 00 47 40.4	6.6N	73.0W	175	3.6b			
NEIC	Less reliable solution.							
ISC	**V 02 06 18 45.4**±.99	**6.01N**±.096	**72.1W**±.14	**33**	**3.8b**,3.4s	**15**	**1-78**	
EIDC	V 02 06 18 41.6	5.9N	72.1W	0	3.8b,4.0L		**¶97v0214**	
NEIC	V 02 06 18 45.1	6.01N	72.13W	33	4.1b			
NEIC	Less reliable solution.							
ISC	**V 03 18 44 05**±6.6	**6.9N**±.17	**76.7W**±.19	**21**±48	**3.6b**	**13**	**3-147**	
EIDC	V 03 18 44 03.4	6.9N	76.7W	0	3.6b		**¶97v0485**	
NEIC	V 03 18 44 06.4	6.88N	76.76W	33	3.7b			
NEIC	Less reliable solution.							
EIDC	**V 06 22 59 08.8**	**7.8N**	**76.7W**	**0**	**3.9b**		**33-75**	
							¶97v1022	
ISC	**V 08 12 22 23**±5.1	**7.0N**±.26	**72.7W**±.87	**150**	**3.4b**	**6**	**3-151**	
NEIC	V 08 12 22 22.8	7.00N	72.64W	150			**¶97v1243**	
EIDC	V 08 12 22 28.8	6.8N	73.5W	175	3.2b			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**V 11 18 16 59.7**±.50	**6.73N**±.043	**72.93W**±.038	**171**±5.4	**4.7b**	**149**	**0-154**	
BJI	V 11 18 16 59.7	6.70N	72.90W	170			**¶97v1823**	
NEIC	V 11 18 16 59.7	6.74N	72.96W	170	4.8b			
MOS	V 11 18 17 00.3	6.7N	73.0W	170	5.2b			
EIDC	V 11 18 17 00.5	6.8N	73.0W	162	4.2b,3.8s			
NEIC	Felt in northern and central Colombia.							
ISC	**V 12 16 08 45**±3.0	**6.7N**±.20	**73.2W**±.47	**186**±27	**3.3b**	**7**	**2-149**	
EIDC	V 12 16 08 46.5	6.7N	73.3W	179	3.1b		**¶97v2003**	
ISC	**V 13 03 06 03**±2.8	**8.2N**±.32	**75.3W**±.44	**148**±30	**3.2b**	**10**	**3-149**	
NEIC	V 13 03 06 03.2	8.10N	75.40W	150	3.5b		**¶97v2117**	
EIDC	V 13 03 06 03.8	8.1N	75.4W	140	3.0b			
NEIC	Poor solution.							
ISC	**V 16 05 34 25.8**±.94	**7.1N**±.12	**73.5W**±.23	**145**±12	**3.5b**	**10**	**0-77**	
EIDC	V 16 05 34 20.5	7.5N	72.9W	75	3.3b		**¶97v2727**	
NEIC	V 16 05 34 21.0	7.43N	73.05W	100	4.0b			
NEIC	Less reliable solution.							
ISC	**V 26 23 15 29**±1.7	**6.9N**±.16	**72.7W**±.32	**150**	**3.2b**	**9**	**3-151**	
NEIC	V 26 23 15 28.6	6.90N	72.65W	150	3.6b		**¶97v4482**	
EIDC	V 26 23 15 29.9	6.8N	72.6W	147	2.9b			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**V 28 19 25 32**±1.6	**6.9N**±.14	**72.9W**±.17	**163**±18	**4.0b**	**22**	**2-154**	
NEIC	V 28 19 25 32.4	6.83N	72.96W	166	4.1b		**¶97v4765**	
EIDC	V 28 19 25 33.9	6.8N	73.0W	168	3.8b			
ISC	**V 30 17 48 25**±2.2	**6.9N**±.16	**73.0W**±.24	**169**±24	**3.9b**	**15**	**2-154**	
NEIC	V 30 17 48 22.8	6.98N	72.87W	150	4.5b		**¶97v5070**	
EIDC	V 30 17 48 26.0	6.8N	73.2W	167	3.7b			
NEIC	Less reliable solution.							
ISC	**VI 11 07 07 37.2**±.37	**6.75N**±.035	**73.01W**±.027	**163**±4.5	**4.7b**	**199**	**1-154**	
BJI	VI 11 07 07 37.2	7.14N	73.36W	151			**¶97vi1634**	
NEIC	VI 11 07 07 37.5	6.72N	73.12W	166	4.9b			
MOS	VI 11 07 07 38.1	6.8N	73.0W	169	4.9b			
EIDC	VI 11 07 07 38.4	6.7N	73.1W	160	4.3b,3.2s			
NEIC	Felt throughout northern and central Colombia.							
ISC	**VI 11 19 11 01.8**±.41	**6.74N**±.038	**72.99W**±.028	**165**±4.8	**4.9b**	**251**	**1-155**	
BJI	VI 11 19 11 01.5	7.06N	72.81W	152			**¶97vi1736**	
NEIC	VI 11 19 11 01.6	6.73N	73.00W	164	4.9b			
EIDC	VI 11 19 11 02.2	6.8N	73.0W	151	4.8b,3.9s			
MOS	VI 11 19 11 02.3	6.8N	73.0W	161	5.3b			
NEIC	Felt strongly by people in high−rise buildings at Bogota. Felt throughout Colombia.							
ISC	**VI 13 08 49 00**±2.5	**6.9N**±.12	**72.8W**±.47	**150**	**3.6b**	**13**	**3-151**	
NEIC	VI 13 08 49 03.1	7.02N	73.40W	150	3.8b		**¶97vi1956**	
EIDC	VI 13 08 49 53.7	7.6N	75.1W	605	2.7b			
NEIC	Poor solution.							
EIDC	**VI 15 12 36 56.2**	**7.0N**	**73.8W**	**279**	**3.1b**		**36-150**	
							¶97vi2296	
ISC	**VI 19 07 06 33.4**±.81	**7.7N**±.14	**74.6W**±.11	**33**	**3.9b**	**15**	**5-149**	
NEIC	VI 19 07 06 33.8	7.53N	74.68W	33	4.0b		**¶97vi2874**	
EIDC	VI 19 07 06 36.4	7.4N	75.0W	45	3.6b			
NEIC	Less reliable solution.							
ISC	**VI 24 17 54 09.8**±.67	**6.76N**±.068	**73.04W**±.052	**155**±7.4	**4.5b**	**91**	**1-154**	
EIDC	VI 24 17 54 10.1	6.9N	72.8W	148	4.0b		**¶97vi3762**	
NEIC	VI 24 17 54 11.2	6.76N	72.96W	171	4.7b			
MOS	VI 24 17 54 11.5	6.8N	73.0W	167	4.9b			
BJI	VI 24 17 54 12.7	6.79N	72.89W	176				
NEIC	Felt at Bucaramanga.							
EIDC	**VI 30 08 23 08.6**	**6.5N**	**73.7W**	**0**	**3.4b**		**23-150**	
							¶97vi4731

(100) Lake Maracaibo.

TRN	**IV 21 04 30 46.9**	**10.4N**	**71.1W**	**108**			**¶97iv3405**	

(101) Venezuela.

ISC	**I 07 10 28 44**±10	**10.2N**±.20	**69.9W**±.88	**85**		**4**	**1-3**	
TRN	I 07 10 28 40.1	10.1N	70.3W	85			**¶97i0910**	
ISC	Poorly determined							
ISC	**I 16 23 40 43**±7.6	**9.9N**±.21	**70.1W**±.60	**99**		**7**	**2-4**	
TRN	I 16 23 40 37.5	9.8N	70.6W	99			**¶97i2378**	
EIDC	**II 17 12 25 38.9**	**7.1N**	**70.8W**	**0**	**3.6b**		**49-151**	
							¶97ii2495	
TRN	**II 20 18 30 17.6**	**10.0N**	**67.5W**	**9**			**¶97ii2960**	
ISC	**II 25 13 24 19**±2.6	**10.7N**±.11	**69.2W**±.22	**41**±29	3.5b	**10**	**1-61**	
TRN	II 25 13 24 17.3	10.7N	69.3W	47			**¶97ii3625**	
ISC	**II 25 13 30 14**±1.6	**10.7N**±.14	**69.0W**±.15	**40**		**6**	**1-61**	
TRN	II 25 13 30 08.7	10.7N	69.5W	40			**¶97ii3626**	
ISC	**II 25 15 46 59**±3.6	**10.7N**±.12	**69.1W**±.30	**34**		**6**	**0-4**	
TRN	II 25 15 46 57.2	10.7N	69.3W	34			**¶97ii3651**	
ISC	**II 26 06 48 49**±5.3	**10.7N**±.15	**69.4W**±.40	**33**		**9**	**1-4**	
TRN	II 26 06 48 50.7	10.6N	69.3W	33			**¶97ii3754**	
TRN	**II 26 23 35 19.9**	**9.6N**	**69.0W**	**33**			**¶97ii3877**	
ISC	**III 05 02 18 07**±1.3	**10.90N**±.083	**69.52W**±.091	**40**±13	**4.0b**	**32**	**1-155**	
TRN	III 05 02 17 59.9	11.2N	69.8W	2			**¶97iii0963**	
EIDC	III 05 02 18 03.1	10.9N	69.6W	0	4.0b			
NEIC	III 05 02 18 06.2	10.78N	69.59W	33	4.0b			
NEIC	Less reliable solution.							
TRN	**III 08 00 50 29.2**	**10.9N**	**69.6W**	**5**			**¶97iii1632**	
ISC	**III 13 16 22 32**±1.6	**9.1N**±.26	**73.0W**±.60	**33**	**3.8b**	**5**	**26-61**	
EIDC	III 13 16 22 28.4	9.1N	72.7W	0	3.8b		**¶97iii2735**	
TRN	**III 24 21 31 15.5**	**9.8N**	**68.9W**	**5**			**¶97iii4620**	
ISC	**III 26 16 33 14.8**±.77	**10.0N**±.12	**72.82W**±.080	**5**	**3.7b**	**14**	**5-152**	
TRN	III 26 16 33 14.2	10.1N	72.9W	5			**¶97iii5034**	
NEIC	III 26 16 33 26.0	9.83N	73.06W	100	3.4b			
EIDC	III 26 16 33 32.6	9.7N	73.1W	146	3.3b			
NEIC	Poor solution.							
TRN	**IV 10 07 10 06.4**	**9.9N**	**70.5W**	**104**			**¶97iv1648**	
ISC	**IV 15 20 27 57.3**±.15	**10.72N**±.029	**69.51W**±.021	**3**	**5.2b,4.5s**	**348**	**1-155**	
TRN	IV 15 20 27 53.7	11.2N	69.8W	3			**¶97iv2644**	
BJI	IV 15 20 27 58.0	10.70N	69.47W	15	5.7s			
NEIC	IV 15 20 27 58.2	10.70N	69.49W	10	5.2b,4.5s			

MOS IV 15 20 27 58.8 10.6N 69.4W 10 5.2b,4.7s
EIDC IV 15 20 28 03.1 10.7N 69.6W 31 4.9b,4.4s
HRVD IV 15 20 28 03.8±1.1 10.69N±.14 69.63W±.21 15
NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s14,c15; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}0.19±.54; $M_{\theta\theta}$−5.43±.87; $M_{\phi\phi}$5.24±1.10; $M_{r\theta}$1.48±4.50; $M_{r\phi}$−5.47±3.67; $M_{\theta\phi}$−4.91±.54. Principal Axes: T 10.3,Plg29°,Azm70°; N −2.9,Plg60°,Azm235°; P −7.4,Plg6°,Azm336°. Best double couple: $M_0$8.9×10^{16}Nm, NP1: ϕ_S109°,δ65°,λ163°. NP2:ϕ_S206°,δ75°,λ26°.
ISC V 28 17 38 00.0±.52 **10.82N**±.079 **69.3W**±.12 **18** **3.9b**,3.7s **19 8-156**
NEIC V 28 17 38 00.0 10.81N 69.28W 18 **¶97v4751**
EIDC V 28 17 38 01.4 10.8N 69.3W 15 3.9b,3.4s

SEISMIC REGION 8.
ANDEAN SOUTH AMERICA.

(102) Near west coast of Colombia.

ISC II 04 17 31 09±1.5 **6.86N**±.053 **77.76W**±.051 **26**±12 **4.9b,4.7s** **143 2-155**
EIDC II 04 17 31 08.7 6.9N 77.7W 18 4.6b,4.4L **¶97ii0571**
NEIC II 04 17 31 11.8 6.74N 77.80W 55 5.0b,4.7s
BJI II 04 17 31 13.1 6.98N 77.95W 45
ISC IV 07 07 01 14.4±.64 **4.6N**±.12 **77.5W**±.17 **33** **3.9b**,3.9s **19 23-145**
EIDC IV 07 07 01 11.1 4.6N 77.4W 0 3.9b,3.9s **¶97iv1117**
NEIC IV 07 07 01 14.3 4.58N 77.44W 33 3.5b
NEIC Less reliable solution.
IGQ V 05 12 11 09.1 **2.2N** **78.5W** **36** **4.0b** **¶97v0781**
ISC VI 05 12 46 29±1.5 **4.64N**±.087 **77.5W**±.12 **68**±15 **3.6b** **17 2-145**
NEIC VI 05 12 46 27.5 4.62N 77.57W 50 **¶97vi0770**
EIDC VI 05 12 46 28.7 4.6N 77.6W 46 3.6b,4.6L
NEIC Less reliable solution.
ISC VI 12 11 35 28±2.4 **2.6N**±.15 **77.9W**±.35 **150**±27 **3.5b** **18 2-144**
EIDC VI 12 11 35 16.3 2.7N 77.7W 24 3.4b,3.4s **¶97vi1835**
NEIC VI 12 11 35 27.1 2.55N 78.02W 138 3.8b
NEIC Poor solution.

(103) Colombia.

EIDC II 01 20 33 50.6 **5.4N** **74.4W** **0** 3.0b **37-149**
¶97ii0118
ISC II 18 00 54 40.2±.74 **4.60N**±.089 **76.5W**±.18 **115**±7.6 **3.9b** **18 0-94**
EIDC II 18 00 54 27.4 4.7N 76.6W 0 4.0b **¶97ii2581**
NEIC II 18 00 54 40.2 4.54N 76.50W 118 3.8b
NEIC Less reliable solution.
NEIC Felt in Cali (after SILC)
ISC II 19 18 25 13.4±.24 **4.53N**±.022 **76.49W**±.022 **110**±2.6 **5.4b** **453 0-158**
BJI II 19 18 25 11.5 4.93N 76.78W 92 **¶97ii2814**
NEIC II 19 18 25 12.5 4.56N 76.49W 101 5.5b
MOS II 19 18 25 12.6 4.6N 76.5W 100 5.9b
EIDC II 19 18 25 12.8 4.5N 76.3W 100 5.0b
HRVD II 19 18 25 19.5±.2 4.78N±.01 76.50W±.02 118±.7
IGQ II 19 18 26 00.0 4.4N 76.5W 106 5.7b
NEIC Mw5.8(GS), M_D5.1(UPA)
NEIC Mw 5.8 (HRV). Some minor damage to buildings at Armenia and Pereira. Felt in Antioquia, Caldas, Cauca, Quindio, Risaralda and Valle del Cauca Departments.
NEIC Moment tensor solution: s15, scale 10^{17}Nm; M_{rr}4.96; $M_{\theta\theta}$−2.84; $M_{\phi\phi}$−2.12; $M_{r\theta}$−2.48; $M_{r\phi}$1.79; $M_{\theta\phi}$3.56. Depth 105km; Principal axes: T 5.76,Plg75°,Azm207°; N 1.08,Plg4°, Azm311°; P −6.84,Plg14°,Azm42°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S137°,δ31°, λ97°. NP2:ϕ_S308°,δ60°,λ86°.
NEIC Felt in Cali (after SILC)
NEIC Felt strongly in Cali, Popayan, Pereira, Manizales, and all west parts of Colombia. Some buildings were damaged(after BOG)
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c89; Half duration: 1^{s}9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.98±.08; $M_{\theta\theta}$−3.44±.14; $M_{\phi\phi}$−1.53±.17; $M_{r\theta}$−1.03±.08; $M_{r\phi}$0.00±.09; $M_{\theta\phi}$3.79±.12. Principal Axes: T 5.14,Plg80°,Azm150°; N 1.32, Plg10°,Azm307°; P −6.46,Plg4°,Azm38°. Best double couple: $M_0$5.8×10^{17}Nm, NP1:ϕ_S138°, δ42°,λ105°. NP2:ϕ_S299°,δ50°,λ77°.
ISC III 10 14 17 45±1.4 **5.23N**±.046 **72.79W**±.034 **29**±11 **4.8b,4.8s** **158 1-155**
NEIC III 10 14 17 44.9 5.22N 72.81W 33 4.9b,4.8s **¶97iii2227**
BJI III 10 14 17 45.1 5.30N 72.73W 35 5.5s
EIDC III 10 14 17 59.0 5.0N 73.1W 157 4.2b
BOG Magnitude 4.2, felt Bogota, Bucaramanga, Tunja, Sogamoso
ISC III 30 10 38 44.9±.57 **5.59N**±.069 **73.89W**±.083 **139**±6.1 **4.0b** **33 0-155**
EIDC III 30 10 38 29.9 5.6N 74.0W 0 4.2b **¶97iii5740**
NEIC III 30 10 38 44.5 5.59N 73.89W 136 4.4b
ISC IV 26 04 56 09.5±.84 **5.25N**±.069 **72.88W**±.050 **41**±8.4 **4.1b** **41 1-150**
EIDC IV 26 04 56 04.9 5.1N 73.3W 0 4.1b **¶97iv4471**
NEIC IV 26 04 56 09.4 5.34N 72.96W 33 4.2b
NEIC Less reliable solution.
ISC V 11 13 20 53.8±.87 **5.52N**±.058 **72.68W**±.058 **69**±9.2 **4.3b** **89 1-155**
NEIC V 11 13 20 53.9 5.52N 72.70W 71 4.6b **¶97v1783**
EIDC V 11 13 20 56.9 5.5N 72.8W 82 3.9b,4.0s
BOG Felt at Bucaramanga, Boyaca region
ISC V 16 19 33 11±1.1 **5.3N**±.20 **72.3W**±.19 **250** **3.5b** **5 2-65**
EIDC V 16 19 33 14.8 5.2N 72.9W 269 3.1b **¶97v2831**
ISC VI 18 22 35 16±1.2 **4.55N**±.077 **76.1W**±.11 **35**±13 **3.9b**,3.1s **38 0-147**
EIDC VI 18 22 35 11.1 4.4N 76.2W 0 4.0b,3.4s **¶97vi2837**
NEIC VI 18 22 35 14.9 4.51N 76.11W 33 4.0b
IGQ VI 18 22 36 06.6 1.2N 77.9W 26 4.8b
NEIC Less reliable solution.

(104) Off coast of Ecuador.

IGQ I 21 00 10 04.0 **1.6S** **82.0W** **12** **4.6b** **¶97i3106**
ISC I 21 01 54 06±4.6 **1.8S**±.20 **82.8W**±.40 **16** **16 2-21**
IGQ I 21 01 54 22.3 1.4S 81.6W 16 4.6b **¶97i3118**
ISC I 21 15 16 07±6.4 **0.2S**±.14 **81.1W**±.45 **21** **17 1-3**
IGQ I 21 15 16 05.3 0.2S 81.1W 21 4.4b **¶97i3202**
IGQ II 01 06 57 45.7 **1.9S** **81.7W** **9** **4.7b** **¶97ii0035**
IGQ II 01 15 12 38.7 **1.8S** **81.8W** **1** **4.7b** **¶97ii0089**
IGQ II 01 15 16 49.8 **1.8S** **81.8W** **16** **4.2b** **¶97ii0090**
IGQ II 03 03 11 07.9 **1.7S** **81.8W** **12** **4.9b** **¶97ii0311**
IGQ II 05 09 43 15.1 **1.8S** **82.0W** **14** **4.9b** **¶97ii0668**
EIDC II 14 23 00 15.5 **1.8N** **85.8W** **0** **3.6b** **25-76**
¶97ii2127
EIDC II 15 17 43 45.7 **1.5N** **85.4W** **0** **3.8s,3.8b** **33-136**
¶97ii2271
IGQ III 04 03 19 40.8 **1.5S** **81.5W** **25** **4.2b** **¶97iii0762**
IGQ III 14 21 57 04.5 **1.1S** **81.1W** **12** **4.2b** **¶97iii2952**
ISC IV 14 02 28 09±7.1 **0.1S**±.22 **81.1W**±.50 **31** **15 1-3**
IGQ IV 14 02 28 10.8 0.2S 80.8W 31 4.4b **¶97iv2370**
IGQ V 03 08 50 02.9 **2.6S** **82.1W** **35** **4.9b** **¶97v0405**
ISC V 07 07 35 58±3.8 **1.4S**±.14 **81.3W**±.31 **34** **18 1-4**
IGQ V 07 07 35 55.4 1.3S 81.4W 34 4.5b **¶97v1063**
ISC V 29 06 32 22±3.3 **2.5S**±.11 **82.2W**±.29 **52** **21 2-11**
IGQ V 29 06 32 21.1 2.5S 82.2W 52 4.6b **¶97v4831**
ISC VI 08 10 35 37±4.6 **0.7S**±.17 **81.5W**±.34 **30** **19 1-12**
IGQ VI 08 10 35 37.6 0.6S 81.4W 30 4.5b **¶97vi1219**
ISC VI 10 15 40 07.5±.79 **1.6N**±.19 **84.8W**±.31 **33** **3.8b,3.5s** **13 24-138**
EIDC VI 10 15 40 04.1 1.6N 84.7W 0 3.8b,3.6s **¶97vi1544**
NEIC VI 10 15 40 07.7 1.71N 84.59W 33 4.0b
NEIC Poor solution.

(105) Near coast of Ecuador.

ISC I 01 22 47 16±3.9 **0.0S**±.15 **81.0W**±.27 **22** **20 1-4**
IGQ I 01 22 47 13.8 0.1S 81.0W 22 4.5b **¶97i0134**
ISC I 03 01 44 47±4.5 **0.2S**±.19 **80.8W**±.32 **27** **12 1-3**
IGQ I 03 01 44 46.8 0.1S 80.7W 27 4.2b **¶97i0299**
ISC I 05 07 31 46±3.1 **1.00S**±.094 **81.0W**±.23 **1** **14 0-3**
IGQ I 05 07 31 41.4 1.0S 81.2W 1 4.1b **¶97i0636**
ISC I 06 16 42 15±1.4 **2.57S**±.087 **80.0W**±.14 **63** **13 2-10**
IGQ I 06 16 42 03.2 3.5S 80.1W 63 4.5b **¶97i0812**
ISC I 07 13 12 49±1.6 **1.99S**±.075 **80.3W**±.13 **7** **15 1-4**
IGQ I 07 13 12 49.3 1.9S 80.1W 7 4.1b **¶97i0923**
ISC I 09 06 03 05.9±.85 **2.05S**±.076 **80.06W**±.059 **21** **20 1-10**
IGQ I 09 06 03 04.9 2.0S 79.9W 21 4.3b **¶97i1177**
ISC I 10 14 19 09±4.7 **0.2S**±.16 **80.8W**±.34 **26** **13 1-3**
IGQ I 10 14 19 07.3 0.2S 80.9W 26 4.1b **¶97i1376**
ISC I 11 10 27 34±5.0 **0.1S**±.17 **80.9W**±.34 **10** **15 1-3**
IGQ I 11 10 27 31.3 0.0N 80.9W 10 4.6b **¶97i1508**
ISC I 11 13 42 00±4.9 **0.1S**±.17 **80.9W**±.34 **16** **16 1-3**
IGQ I 11 13 41 54.6 0.0N 81.1W 16 4.4b **¶97i1530**
ISC I 13 11 23 24±7.4 **0.2S**±.17 **80.6W**±.52 **15** 3.7b **13 0-68**
IGQ I 13 11 23 17.9 0.0S 80.9W 15 4.1b **¶97i1828**
ISC I 21 02 29 36±5.8 **2.0S**±.36 **80.3W**±.27 **14** **17 1-4**
IGQ I 21 02 29 34.0 2.1S 80.2W 14 4.0b **¶97i3124**
ISC I 21 09 47 28±5.4 **0.3S**±.21 **80.7W**±.31 **4**±15 **13 0-3**
IGQ I 21 09 48 24.9 0.1S 80.8W 21 4.0b **¶97i3166**
IGQ I 28 12 29 32.5 **3.0S** **79.1W** **37** **4.3b** **¶97i4209**
ISC II 14 07 40 05±2.0 **0.58S**±.093 **80.5W**±.16 **17** **12 0-3**
IGQ II 14 07 40 05.6 0.6S 80.3W 17 4.1b **¶97ii2039**
ISC II 15 11 29 05±3.7 **2.9S**±.12 **80.7W**±.44 **52** **12 3-10**
IGQ II 15 11 28 57.7 3.2S 81.2W 52 5.6b **¶97ii2224**
ISC II 17 00 28 14±1.8 **2.36S**±.082 **80.0W**±.18 **14** **18 2-10**
IGQ II 17 00 28 16.7 2.1S 79.8W 14 4.1b **¶97ii2437**
IGQ II 25 00 54 06.2 **2.8S** **80.5W** **101** **4.5b** **¶97ii3558**
ISC III 02 07 27 42±4.5 **1.4N**±.29 **79.8W**±.19 **16** **17 1-3**
IGQ III 02 07 27 38.7 1.5N 79.8W 16 4.4b **¶97iii0259**
ISC III 06 00 36 15±5.0 **0.1N**±.21 **80.2W**±.41 **24**±19 **14 0-2**
IGQ III 06 00 36 16.2 0.0N 80.0W 27 4.2b **¶97iii1156**
ISC III 14 15 17 08±5.6 **1.1S**±.15 **80.7W**±.38 **10** **18 0-3**
IGQ III 14 15 17 00.2 1.1S 81.2W 10 4.3b **¶97iii2906**
IGQ III 15 23 14 48.1 **2.0S** **79.6W** **18** **4.2b** **¶97iii3124**
IGQ III 26 09 01 45.0 **3.7S** **79.1W** **128** **4.2b** **¶97iii4882**
ISC III 31 05 23 43±4.7 **2.4S**±.37 **79.5W**±.12 **37** **14 1-3**
IGQ III 31 05 23 40.4 2.5S 79.4W 37 4.2b **¶97iii5849**
IGQ IV 01 08 28 49.3 **1.4S** **80.5W** **35** **4.0b** **¶97iv0039**
IGQ IV 04 00 57 23.3 **1.2S** **80.9W** **17** **4.1b** **¶97iv0513**
ISC IV 05 00 13 50±3.5 **1.5N**±.25 **79.3W**±.12 **20** **17 1-3**
IGQ IV 05 00 13 52.4 1.1N 79.1W 20 4.2b **¶97iv0671**
ISC IV 08 03 24 00±2.9 **0.5S**±.11 **80.6W**±.25 **8**±12 **16 0-3**
IGQ IV 08 03 23 59.6 0.4S 80.6W 28 4.1b **¶97iv1269**
IGQ IV 11 07 54 40.0 **2.1S** **81.6W** **9** **4.1b** **¶97iv1836**
ISC IV 14 02 17 24±5.1 **0.3S**±.19 **80.8W**±.36 **24** **14 1-3**
IGQ IV 14 02 17 21.7 0.1S 80.9W 24 4.2b **¶97iv2369**
ISC IV 18 11 54 26±3.6 **1.0N**±.25 **79.6W**±.16 **25** **13 1-3**
IGQ IV 18 11 54 28.9 0.8N 79.3W 25 4.0b **¶97iv3068**
IGQ IV 22 05 41 09.0 **2.6S** **79.2W** **5** **4.2b** **¶97iv3649**
ISC IV 22 22 33 50±3.3 **0.4S**±.14 **80.6W**±.22 **14**±12 **15 0-3**
IGQ IV 22 22 33 51.5 0.5S 80.4W 27 4.4b **¶97iv3840**
ISC IV 27 00 17 34±4.3 **0.4S**±.16 **80.6W**±.30 **16** **19 2-12**
IGQ IV 27 00 17 32.7 0.3S 80.5W 16 4.6b **¶97iv4629**
IGQ IV 28 05 35 07.3 **3.8S** **79.5W** **38** **4.4b** **¶97iv4859**
ISC V 01 03 05 07±5.6 **2.1S**±.36 **80.3W**±.25 **12** **19 1-3**
IGQ V 01 03 05 07.2 2.0S 80.1W 12 4.3b **¶97v0018**
ISC V 01 09 41 59±6.2 **2.5S**±.46 **80.0W**±.19 **15** **18 2-3**
IGQ V 01 09 42 00.0 2.4S 79.8W 15 4.4b **¶97v0072**
IGQ V 10 04 21 37.5 **1.1S** **80.7W** **28** **4.1b** **¶97v1521**
ISC V 16 02 28 28±5.0 **1.3S**±.15 **80.9W**±.35 **12** **17 0-3**
IGQ V 16 02 29 35.3 1.4S 80.9W 13 4.2b **¶97v2713**
IGQ V 24 14 08 48.7 **2.4S** **79.6W** **6** **4.1b** **¶97v4123**
ISC V 25 22 22 44.4±.59 **2.09S**±.052 **79.72W**±.051 **97**±4.6 **4.4b** **81 1-164**
BJI V 25 22 22 43.7 1.90S 79.60W 84 **¶97v4324**
NEIC V 25 22 22 43.7 1.95S 79.61W 84 4.5b
IGQ V 25 22 22 45.1 1.8S 79.8W 28 5.1b
EIDC V 25 22 22 47.5 1.9S 79.4W 106 4.1b,3.6s
ISC V 29 10 22 42±14 **1.5N**±.82 **79.2W**±.58 **12** **14 1-3**
IGQ V 29 10 22 40.5 1.3N 79.3W 12 4.1b **¶97v4853**
ISC VI 16 09 37 15±5.3 **1.5S**±.25 **80.6W**±.41 **30**±23 **21 0-3**
IGQ VI 16 09 37 16.8 1.4S 80.2W 9 4.5b **¶97vi2437**
ISC VI 21 16 25 30±5.8 **2.2S**±.38 **79.5W**±.13 **89**±53 **17 1-3**
IGQ VI 21 16 25 28.2 2.3S 79.5W 95 4.1b **¶97vi3244**
ISC VI 22 10 18 23±3.4 **0.3N**±.22 **80.2W**±.19 **10** **16 1-2**
IGQ VI 22 10 18 21.3 0.3N 80.1W 10 4.3b **¶97vi3369**
IGQ VI 25 20 09 41.1 **2.2S** **79.9W** **6** **4.1b** **¶97vi4021**
ISC VI 26 18 21 48±1.0 **2.60S**±.060 **79.88W**±.091 **71**±9.4 **4.0b** **49 2-148**
IGQ VI 26 18 21 45.1 2.5S 79.9W 12 4.9b **¶97vi4185**
BJI VI 26 18 21 46.2 1.95S 80.27W 34
NEIC VI 26 18 21 47.7 2.52S 79.66W 62 4.2b
EIDC VI 26 18 21 50.1 2.6S 79.7W 63 4.0b
NEIC Less reliable solution.

(106) Colombia-Ecuador border region.

ISC II 05 20 50 30±2.8 **1.1N**±.20 **78.09W**±.087 **7** **14 0-3**
IGQ II 05 20 50 30.8 1.0N 78.1W 7 4.2b **¶97ii0748**
ISC II 06 01 24 08±2.5 **1.0N**±.18 **78.12W**±.076 **11** **13 0-2**
IGQ II 06 01 24 06.8 0.9N 78.1W 11 4.0b **¶97ii0779**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**19 02 39 20**±2.6	**1.1N**±.18	**78.13W**±.076	**0**		**15**	**0-3**
IGQ	II	19 02 39 21.1	0.9N	78.2W		4.3b		¶97ii2726
IGQ	**IV**	**02 13 12 48.5**	**0.9N**	**78.1W**	**13**	**4.5b**		¶97iv0251
ISC	**IV**	**06 20 30 42**±2.3	**0.4N**±.13	**78.5W**±.18	**7**		**11**	**0-2**
IGQ	IV	06 20 30 42.5	0.3N	78.4W	7	4.1b		¶97iv1049
ISC	**IV**	**11 01 27 36**±1.3	**0.8N**±.10	**78.01W**±.089	**7**		**13**	**0-2**
IGQ	IV	11 01 27 31.8	1.0N	78.1W	7	4.1b		¶97iv1778
ISC	**V**	**02 02 15 57**±1.3	**0.08N**±.085	**78.44W**±.065	**8**±7.8		**16**	**0-2**
IGQ	V	02 02 15 56.7	0.1N	78.4W	11	4.3b		¶97v0195
ISC	**V**	**02 11 27 53**±1.2	**0.09N**±.074	**78.45W**±.056	**6**±7.6		**19**	**0-2**
IGQ	V	02 11 27 52.5	0.1N	78.5W	11	4.2b		¶97v0255
ISC	**V**	**02 17 46 39**±1.6	**0.1N**±.12	**78.4W**±.10	**10**±9.9		**13**	**0-1**
IGQ	V	02 17 46 38.1	0.1N	78.5W	12	4.0b		¶97v0307
ISC	**V**	**11 19 56 32**±9.1	**1.8N**±.64	**78.3W**±.18	**0**		**14**	**1-3**
IGQ	V	11 19 56 25.4	2.0N	78.6W		4.2b		¶97v1835

(107) Ecuador.

IGQ	**I**	**01 14 24 54.6**	**2.9S**	**78.2W**	**12**	**4.1b**		¶97i0081
ISC	**I**	**02 03 17 59**±2.9	**2.6S**±.19	**78.4W**±.35	**5**		**13**	**1-3**
IGQ	I	02 03 17 55.6	2.7S	78.1W	5	4.0b		¶97i0156
ISC	**I**	**08 02 36 31**±7.4	**1.7S**±.31	**78.0W**±.32	**208**±51		**17**	**0-3**
IGQ	I	08 02 36 33.3	1.5S	78.0W	188	4.1b		¶97i1010
ISC	**I**	**09 20 35 54.3**±.67	**1.09S**±.033	**78.32W**±.071	**2**		**18**	**0-2**
IGQ	I	09 20 35 53.3	1.1S	78.3W	2	4.0b		¶97i1274
ISC	**I**	**10 05 58 56**±3.6	**2.3S**±.22	**78.3W**±.27	**12**		**15**	**1-3**
IGQ	I	10 05 58 48.0	2.6S	77.9W	12	4.0b		¶97i1321
ISC	**I**	**21 19 40 38**±3.7	**1.6S**±.19	**77.9W**±.17	**16**		**16**	**1-2**
IGQ	I	21 19 40 24.0	2.1S	77.3W	16	4.0b		¶97i3218
ISC	**I**	**23 02 19 46**±2.0	**2.2S**±.24	**78.5W**±.24	**209**		**16**	**1-3**
IGQ	I	23 02 19 44.9	2.3S	78.5W	209	5.5b		¶97i3423
IGQ	**I**	**24 04 32 31.7**	**2.8S**	**78.1W**	**5**	**4.4b**		¶97i3592
ISC	**I**	**25 04 41 12**±1.1	**0.69S**±.089	**79.65W**±.061	**27**±14		**15**	**1-2**
IGQ	I	25 04 41 11.0	0.7S	79.6W	27	4.1b		¶97i3739
ISC	**II**	**04 13 14 37.2**±.85	**2.80S**±.073	**78.1W**±.12	**59**±8.1	**3.8b**	**31**	**1-141**
EIDC	II	04 13 14 31.7	2.4S	77.9W	0	3.9b,4.0L		¶97ii0527
IGQ	II	04 13 14 34.2	2.7S	78.1W	8	4.7b		
NEIC	II	04 13 14 35.1	2.61S	77.82W	33	4.1b		
NEIC	Less reliable solution.							
ISC	**II**	**05 01 27 45**±1.0	**2.91S**±.076	**78.2W**±.17	**6**		**17**	**1-9**
IGQ	II	05 01 27 47.2	2.6S	78.2W	6	4.8b		¶97ii0619
ISC	**II**	**06 17 14 21**±2.6	**1.5S**±.14	**78.3W**±.13	**4**		**15**	**0-2**
IGQ	II	06 17 14 12.7	1.9S	78.1W	4	4.0b		¶97ii0877
ISC	**II**	**12 02 50 56**±11	**1.3S**±.55	**79.6W**±.60	**13**		**8**	**1-2**
IGQ	II	12 02 50 52.3	1.2S	79.8W	13	4.2b		¶97ii1711
ISC	**II**	**14 06 16 31**±2.8	**2.1S**±.17	**78.3W**±.17	**5**		**15**	**1-2**
IGQ	II	14 06 16 21.8	2.5S	78.0W	5	4.8b		¶97ii2033
ISC	**II**	**17 08 50 19**±1.2	**2.03S**±.086	**78.2W**±.16	**166**±16		**18**	**1-10**
IGQ	II	17 08 50 18.1	2.0S	78.1W	164	4.7b		¶97ii2467
IGQ	**II**	**20 22 02 23.4**	**2.6S**	**78.6W**	**12**	**4.1b**		¶97ii2984
ISC	**II**	**23 21 36 11**±1.4	**1.5S**±.16	**78.1W**±.19	**189**		**16**	**0-2**
IGQ	II	23 21 36 10.4	1.5S	78.0W	189	4.1b		¶97ii3377
ISC	**III**	**05 19 05 48.9**±.74	**1.03S**±.033	**78.33W**±.081	**1**±8.7	3.6b	**21**	**0-69**
IGQ	III	05 19 05 48.1	1.0S	78.3W	5	4.4b		¶97iii1116
ISC	**III**	**06 07 29 48**±2.7	**2.1S**±.26	**78.8W**±.18	**137**		**13**	**1-3**
IGQ	III	06 07 29 48.0	2.0S	78.7W	137	4.0b		¶97iii1226
ISC	**III**	**06 10 25 16**±8.4	**1.8S**±.57	**79.0W**±.28	**28**±13		**15**	**0-3**
IGQ	III	06 10 25 19.4	1.4S	78.9W	31	4.4b		¶97iii1249
ISC	**III**	**07 02 03 53.6**±.87	**1.07S**±.037	**78.33W**±.095	**2**±11		**16**	**0-2**
IGQ	III	07 02 03 52.9	1.1S	78.3W	9	4.1b		¶97iii1402
ISC	**III**	**09 02 44 35.1**±.92	**1.05S**±.035	**78.28W**±.098	**7**±12		**16**	**0-1**
IGQ	III	09 02 44 34.6	1.0S	78.3W	4	4.0b		¶97iii1895
ISC	**III**	**11 00 46 33.6**±.79	**1.07S**±.033	**78.28W**±.077	**2**		**18**	**0-2**
IGQ	III	11 00 46 32.7	1.1S	78.3W	2	4.0b		¶97iii2291
ISC	**III**	**11 11 36 23.3**±.68	**1.82S**±.084	**77.5W**±.13	**198**±5.9	**3.5b**	**33**	**1-142**
IGQ	III	11 11 35 17.1	1.9S	77.4W	245	4.5b		¶97iii2368
EIDC	III	11 11 36 27.4	1.7S	77.5W	213	3.5b		
ISC	**III**	**15 00 56 57.4**±.47	**1.40S**±.071	**77.8W**±.10	**195**±4.8	**3.7b**	**33**	**1-140**
IGQ	III	15 00 56 50.9	1.6S	77.7W	236	4.3b		¶97iii2971
NEIC	III	15 00 56 58.5	1.27S	77.53W	200	3.9b		
EIDC	III	15 00 57 16.7	1.6S	77.8W	385	3.3b		
NEIC	Poor solution.							
ISC	**III**	**15 14 11 53.7**±.89	**0.76S**±.067	**79.69W**±.074	**26**±15		**21**	**1-2**
IGQ	III	15 14 11 53.0	0.7S	79.6W	30	4.1b		¶97iii3063
ISC	**III**	**15 18 11 24**±1.0	**2.77S**±.073	**78.1W**±.16	**12**		**21**	**1-9**
IGQ	III	15 18 11 23.4	2.6S	78.0W	12	4.7b		¶97iii3084
ISC	**III**	**17 01 10 43**±1.1	**2.97S**±.082	**78.1W**±.17	**46**±12	**3.6b**	**29**	**2-141**
EIDC	III	17 01 10 31.5	2.5S	74.3W	0	3.6b		¶97iii3297
IGQ	III	17 01 10 41.8	2.8S	78.1W	16	4.9b		
ISC	**III**	**20 09 24 30**±1.1	**2.68S**±.087	**78.2W**±.13	**12**		**20**	**1-17**
IGQ	III	20 09 24 27.2	2.7S	78.1W	12	4.8b		¶97iii3877
IGQ	**III**	**20 19 10 00.0**	**2.7S**	**78.0W**	**5**	**4.2b**		¶97iii3941
ISC	**III**	**25 09 24 15**±1.7	**1.05S**±.059	**77.9W**±.11	**9**		**17**	**1-2**
IGQ	III	25 09 24 12.8	1.0S	77.8W	9	4.0b		¶97iii4703
ISC	**III**	**25 17 33 44.0**±.82	**1.08S**±.038	**78.75W**±.068	**5**±9.9		**18**	**0-2**
IGQ	III	25 17 33 43.5	1.1S	78.7W	13	4.0b		¶97iii4768
ISC	**III**	**26 08 10 35**±1.3	**1.48S**±.099	**79.42W**±.064	**4**		**18**	**1-3**
IGQ	III	26 08 10 35.6	1.4S	79.4W	4	4.1b		¶97iii4862
ISC	**III**	**27 14 06 34.5**±.77	**1.07S**±.033	**78.75W**±.063	**0**		**18**	**0-2**
IGQ	III	27 14 06 33.2	1.1S	78.7W		4.3b		¶97iii5241
ISC	**III**	**27 21 38 48**±1.4	**0.82S**±.056	**77.7W**±.10	**16**		**19**	**1-2**
IGQ	III	27 21 38 46.2	0.8S	77.6W	16	4.2b		¶97iii5314
ISC	**III**	**28 01 08 20.6**±.87	**0.90S**±.088	**79.48W**±.075	**44**±17	3.3b	**14**	**1-69**
IGQ	III	28 01 08 18.2	0.9S	79.4W	88	4.0b		¶97iii5342
ISC	**III**	**28 03 18 28**±7.5	**1.5S**±.29	**78.0W**±.31	**221**±55		**20**	**0-3**
IGQ	III	28 03 18 29.4	1.4S	78.0W	204	4.2b		¶97iii5352
ISC	**III**	**29 02 15 28**±1.0	**1.10S**±.035	**78.3W**±.11	**4**±11		**17**	**0-2**
IGQ	III	29 02 15 26.3	1.1S	78.3W	0	4.0b		¶97iii5521
IGQ	**III**	**30 03 43 24.4**	**2.6S**	**78.1W**	**16**	**4.2b**		¶97iii5687
ISC	**III**	**30 08 35 37.4**±.76	**1.00S**±.039	**78.73W**±.069	**13**±7.4		**15**	**0-1**
IGQ	III	30 08 35 36.8	1.0S	78.8W	14	4.0b		¶97iii5726
ISC	**III**	**30 21 42 05.3**±.82	**0.88S**±.073	**79.88W**±.061	**36**		**20**	**1-3**
IGQ	III	30 21 42 04.4	0.9S	79.8W	36	4.0b		¶97iii5812
ISC	**III**	**31 05 16 02.0**±.75	**1.00S**±.036	**78.73W**±.063	**1**±22		**14**	**0-1**
IGQ	III	31 05 16 01.3	1.0S	78.7W	16	4.0b		¶97iii5847
IGQ	**IV**	**01 14 08 48.6**	**2.9S**	**78.1W**	**11**	**4.1b**		¶97iv0081
IGQ	**IV**	**02 22 04 54.8**	**2.9S**	**78.2W**	**12**	**4.0b**		¶97iv0329
ISC	**IV**	**09 02 37 18.7**±.69	**1.08S**±.041	**78.76W**±.058	**11**±7.6		**19**	**0-2**
IGQ	IV	09 02 37 17.9	1.1S	78.8W	21	4.2b		¶97iv1446
ISC	**IV**	**09 15 24 10.8**±.87	**0.41S**±.058	**77.49W**±.075	**23**	3.3b	**17**	**1-82**
EIDC	IV	09 15 24 07.5	0.7S	78.4W	0	3.3b,4.3L		¶97iv1545
IGQ	IV	09 15 24 08.7	0.4S	77.4W	23	4.4b		
ISC	**IV**	**10 05 01 39**±1.3	**1.15S**±.072	**78.78W**±.068	**4**±11		**13**	**0-2**
IGQ	IV	10 05 01 38.9	1.1S	78.8W	20	4.1b		¶97iv1636
ISC	**IV**	**17 02 35 41**±4.2	**1.8S**±.25	**78.3W**±.12	**12**		**16**	**0-2**
IGQ	IV	17 02 35 26.7	2.6S	78.1W	12	4.0b		¶97iv2841
ISC	**IV**	**30 04 36 08**±3.5	**2.3S**±.21	**78.5W**±.24	**0**		**16**	**1-2**
IGQ	IV	30 04 35 55.7	2.8S	78.1W		4.0b		¶97iv5164
ISC	**IV**	**30 08 58 54**±2.7	**0.63S**±.060	**78.8W**±.17	**6**±18		**12**	**0-1**
IGQ	IV	30 08 58 53.5	0.6S	78.8W	8	4.0b		¶97iv5187
IGQ	**V**	**01 04 27 08.1**	**2.7S**	**78.2W**	**4**	**4.0b**		¶97v0030
ISC	**V**	**02 07 30 34**±1.8	**1.7S**±.21	**78.0W**±.17	**190**		**15**	**0-3**
IGQ	V	02 07 30 34.3	1.5S	78.0W	190	5.2b		¶97v0227
ISC	**V**	**03 01 36 06**±5.1	**2.4S**±.46	**78.6W**±.18	**132**		**13**	**1-2**
IGQ	V	03 01 36 06.6	2.3S	78.7W	132	4.0b		¶97v0354
ISC	**V**	**03 18 07 26**±1.7	**1.4S**±.18	**79.88W**±.071	**0**		**13**	**1-2**
IGQ	V	03 18 07 25.9	1.3S	79.8W		4.0b		¶97v0479
ISC	**V**	**04 07 06 01.0**±.72	**1.10S**±.040	**78.30W**±.067	**4**±10		**16**	**0-2**
IGQ	V	04 07 06 00.8	1.1S	78.3W	10	4.2b		¶97v0582
IGQ	**V**	**05 19 20 21.8**	**2.7S**	**78.0W**		**4.2b**		¶97v0836
IGQ	**V**	**06 06 30 27.0**	**2.5S**	**78.0W**	**3**	**4.2b**		¶97v0918
ISC	**V**	**08 21 05 13.9**±.73	**1.08S**±.041	**78.27W**±.068	**9**±7.9		**18**	**0-2**
IGQ	V	08 21 05 13.7	1.1S	78.3W	14	4.0b		¶97v1309
IGQ	**V**	**10 11 29 02.0**	**2.8S**	**78.1W**	**12**	**4.0b**		¶97v1590
ISC	**V**	**20 11 15 31.5**±.68	**1.57S**±.098	**78.1W**±.13	**195**	**3.3b**	**25**	**0-142**
EIDC	V	20 11 15 13.4	1.8S	79.3W	0	3.7b,3.5L		¶97v3393
NEIC	V	20 11 15 16.5	1.85S	79.15W	33	3.9b		
IGQ	V	20 11 15 30.4	1.6S	78.0W	195	4.2b		
ISC	**V**	**21 20 42 27.7**±.78	**2.83S**±.060	**78.04W**±.086	**53**±7.4	**4.1b**,5.3s	**53**	**1-164**
IGQ	V	21 20 42 24.8	2.7S	78.0W	12	4.8b		¶97v3605
NEIC	V	21 20 42 27.3	2.83S	78.00W	52	4.3b		
EIDC	V	21 20 42 31.1	2.8S	78.0W	73	3.8b,4.2L		
NEIC	Less reliable solution.							
IGQ	**V**	**23 18 37 54.1**	**2.7S**	**78.0W**	**7**	**4.0b**		¶97v3984
ISC	**V**	**24 16 34 04**±4.2	**1.8S**±.26	**78.17W**±.092	**1**		**21**	**0-2**
IGQ	V	24 16 33 48.2	2.7S	78.0W	1	4.3b		¶97v4141
ISC	**V**	**25 00 56 36**±1.1	**1.19S**±.049	**78.22W**±.082	**2**		**18**	**0-2**
IGQ	V	25 00 56 34.8	1.2S	78.2W	2	4.0b		¶97v4193
ISC	**V**	**25 23 18 59**±4.1	**1.7S**±.22	**77.9W**±.16	**10**		**19**	**1-2**
IGQ	V	25 23 18 53.9	1.8S	77.7W	10	4.0b		¶97v4332
ISC	**V**	**26 05 52 36**±2.6	**2.2S**±.16	**78.4W**±.14	**5**		**21**	**1-3**
IGQ	V	26 05 52 25.8	2.7S	78.0W	5	4.5b		¶97v4373
ISC	**V**	**27 12 19 52.4**±.67	**0.11S**±.050	**78.47W**±.059	**11**±6.5		**16**	**0-1**
IGQ	V	27 12 19 51.8	0.1S	78.5W	14	4.0b		¶97v4567
ISC	**V**	**27 17 49 35.8**±.74	**0.47S**±.036	**78.69W**±.070	**18**		**19**	**0-1**
IGQ	V	27 17 49 35.0	0.5S	78.7W	18	4.0b		¶97v4599
IGQ	**V**	**28 01 16 27.1**	**2.8S**	**78.1W**	**12**	**4.0b**		¶97v4635
IGQ	**VI**	**01 05 14 03.4**	**2.9S**	**78.9W**	**5**	**4.1b**		¶97vi0026
ISC	**VI**	**05 23 55 34.7**±.75	**0.73S**±.039	**78.68W**±.060	**13**±6.6		**18**	**0-1**
IGQ	VI	05 23 55 34.1	0.7S	78.7W	13	4.0b		¶97vi0854
ISC	**VI**	**08 08 13 31**±1.3	**1.10S**±.041	**78.2W**±.11	**3**±11		**18**	**0-1**
IGQ	VI	08 08 13 30.4	1.1S	78.3W	10	4.0b		¶97vi1200
ISC	**VI**	**09 02 00 18**±1.1	**1.04S**±.037	**78.3W**±.12	**10**±7.6		**17**	**0-1**
IGQ	VI	09 02 00 17.5	1.0S	78.3W	7	4.2b		¶97vi1313
IGQ	**VI**	**12 19 17 42.6**	**2.8S**	**78.0W**	**7**	**4.4b**		¶97vi1887
ISC	**VI**	**13 13 31 09.0**±.56	**1.06S**±.029	**78.33W**±.051	**4**±5.9		**26**	**0-18**
IGQ	VI	13 13 31 07.3	1.1S	78.3W	26	4.4b		¶97vi1994
ISC	**VI**	**16 09 25 22.3**±.27	**1.32S**±.039	**77.71W**±.044	**187**±2.3	**4.5b**	**189**	**1-163**
IGQ	VI	16 09 25 18.1	1.5S	77.9W	219	5.1b		¶97vi2436
NEIC	VI	16 09 25 22.3	1.29S	77.69W	187	4.5b		
EIDC	VI	16 09 25 23.5	1.2S	77.6W	183	4.3b,3.4s		
BJI	VI	16 09 25 26.3	1.30S	77.70W	187			
ISC	**VI**	**17 06 15 45.0**±.55	**0.40S**±.032	**78.64W**±.052	**13**±5.5		**23**	**0-2**
IGQ	VI	17 06 15 44.1	0.4S	78.6W	18	4.2b		¶97vi2560
ISC	**VI**	**17 09 35 07**±1.3	**0.12S**±.051	**77.4W**±.10	**9**		**21**	**1-2**
IGQ	VI	17 09 35 04.8	0.2S	77.4W	9	4.7b		¶97vi2592
IGQ	**VI**	**17 18 03 03.7**	**2.7S**	**78.1W**	**7**	**4.2b**		¶97vi2674
IGQ	**VI**	**18 01 19 10.1**	**2.7S**	**78.2W**	**13**	**4.0b**		¶97vi2711
IGQ	**VI**	**18 21 27 33.9**	**2.7S**	**78.1W**	**2**	**4.1b**		¶97vi2830
ISC	**VI**	**19 17 48 09**±1.0	**2.82S**±.077	**78.2W**±.22	**12**		**21**	**1-9**
IGQ	VI	19 17 48 05.1	2.8S	78.1W	12	4.5b		¶97vi2946
ISC	**VI**	**19 20 09 33**±3.7	**2.5S**±.33	**79.0W**±.18	**164**		**20**	**1-3**
IGQ	VI	19 20 09 33.9	2.4S	79.0W	164	4.3b		¶97vi2952
ISC	**VI**	**20 18 08 23**±2.2	**2.2S**±.22	**78.0W**±.23	**196**		**17**	**1-3**
IGQ	VI	20 18 08 22.9	2.1S	78.0W	196	4.0b		¶97vi3094
ISC	**VI**	**22 12 07 20.4**±.74	**0.72S**±.040	**78.69W**±.057	**15**±6.3		**18**	**0-1**
IGQ	VI	22 12 07 19.7	0.7S	78.7W	19	4.3b		¶97vi3381
ISC	**VI**	**23 17 24 18**±2.8	**0.44S**±.073	**77.4W**±.19	**12**		**19**	**0-2**
IGQ	VI	23 17 24 16.1	0.5S	77.4W	12	4.1b		¶97vi3566
ISC	**VI**	**24 05 01 56.2**±.66	**1.05S**±.033	**78.29W**±.055	**1**±8.1		**24**	**0-2**
IGQ	VI	24 05 01 55.7	1.0S	78.3W	10	4.2b		¶97vi3644
ISC	**VI**	**24 05 04 28.1**±.69	**1.05S**±.036	**78.29W**±.057	**7**		**20**	**0-2**
IGQ	VI	24 05 04 27.4	1.1S	78.3W	7	4.2b		¶97vi3645
ISC	**VI**	**24 17 30 52.4**±.75	**1.08S**±.038	**78.74W**±.066	**8**±7.8		**20**	**0-1**
IGQ	VI	24 17 30 51.8	1.1S	78.7W	13	4.0b		¶97vi3756
IGQ	**VI**	**24 20 18 20.7**	**2.7S**	**78.1W**	**12**	**4.0b**		¶97vi3778
ISC	**VI**	**27 00 38 15.6**±.97	**1.09S**±.041	**78.82W**±.069	**5**±11		**23**	**0-2**
IGQ	VI	27 00 38 14.8	1.1S	78.8W	6	4.3b		¶97vi4214
ISC	**VI**	**30 23 07 25.7**±.56	**1.07S**±.031	**78.34W**±.056	**5**±5.8		**26**	**0-2**
IGQ	VI	30 23 07 25.1	1.1S	78.4W	12	4.1b		¶97vi4837

(108) Off coast of Northern Peru.

EIDC	**I**	**04 20 16 59.4**	**9.0S**	**81.6W**	**0**	3.6b		**6-171**
								¶97i0580

(109) Near coast of Northern Peru.

ISC	**I**	**10 11 47 53**±1.5	**5.78S**±.068	**80.9W**±.11	**58**±13	**4.6b**,4.8s	**69**	**4-167**
NEIC	I	10 11 47 49.5	5.81S	80.96W	33	4.7b		¶97i1354
BJI	I	10 11 47 52.5	5.80S	80.90W	33	5.7s		
EIDC	I	10 11 47 53.9	5.7S	80.6W	59	4.1b,4.2s		
IGQ	I	10 11 47 59.7	5.1S	80.9W	24	5.0b		
EIDC	**IV**	**17 01 16 46.5**	**7.2S**	**79.4W**	**0**	**3.5b**,3.7L		**5-87**
								¶97iv2828
ISC	**IV**	**20 13 24 04.3**±.97	**5.0S**±.28	**81.9W**±.40	**33**	**3.5b**	**6**	**18-84**
EIDC	IV	20 13 24 01.2	5.0S	81.8W	0	3.5b,3.8L		¶97iv3318
ISC	**V**	**06 15 12 36**±7.5	**4.70S**±.078	**81.1W**±.28	**29**±58	**3.6b**	**22**	**4-137**
EIDC	V	06 15 12 32.0	4.8S	81.3W	0	3.6b,3.7L		¶97v0978
NEIC	V	06 15 12 35.6	4.82S	81.21W	33	3.7b		

IGQ	V	06 15 12 41.8	4.0S	81.1W	200	4.7b		
NEIC	Poor solution.							
ISC	**V**	**18 00 00 45**±1.9	**9.8S**±.12	**78.7W**±.14	**58**±20	**4.3b,3.3s**	**44**	**3-147**
NEIC	V	18 00 00 44.0	9.84S	78.79W	54	4.5b		**¶97v3001**
EIDC	V	18 00 00 45.6	9.8S	78.7W	51	3.9b,3.3s		
ISC	**V**	**19 07 20 04**±1.7	**9.44S**±.075	**78.72W**±.093	**42**±16	**4.7b,3.8s**	**91**	**3-171**
MOS	V	19 07 20 04.3	9.3S	78.6W	41	5.1b		**¶97v3214**
NEIC	V	19 07 20 04.4	9.53S	78.79W	50	4.8b		
EIDC	V	19 07 20 05.8	9.6S	78.8W	48	4.4b,3.7s		
BJI	V	19 07 20 07.4	9.50S	78.80W	50			
IGQ	**V**	**28 23 54 40.3**	**3.2S**	**81.8W**	**52**	**4.4b**		**¶97v4786**

(110) Peru-Ecuador border region.

IGQ	**I**	**04 10 22 40.1**	**4.2S**	**80.9W**	**132**	**4.4b**		**¶97i0524**
ISC	**I**	**12 07 17 43.4**±.80	**3.0S**±.20	**78.8W**±.42	**100**	**3.9b**	**16**	**9-149**
NEIC	I	12 07 17 43.6	3.07S	78.81W	100	3.7b		**¶97i1637**
EIDC	I	12 07 17 43.7	2.9S	78.3W	91	3.7b		
NEIC	Poor solution.							
ISC	**I**	**22 10 22 28**±1.1	**3.89S**±.084	**77.4W**±.23	**100**		**14**	**3-8**
IGQ	I	22 10 22 23.4	4.2S	77.2W	52	4.4b		**¶97i3314**
IGQ	**II**	**06 09 35 00.5**	**3.5S**	**80.3W**	**47**	**4.9b**		**¶97ii0817**
IGQ	**II**	**10 22 24 43.6**	**3.1S**	**80.1W**	**58**	**4.8b**		**¶97ii1535**
IGQ	**II**	**12 21 48 44.5**	**4.3S**	**80.4W**	**77**	**4.6b**		**¶97ii1823**
ISC	**II**	**16 10 23 00.2**±.70	**2.9S**±.13	**77.8W**±.20	**33**	**3.8b**	**15**	**9-139**
EIDC	II	16 10 22 57.7	2.8S	77.8W	0	3.9b,4.1L		**¶97ii2363**
NEIC	II	16 10 23 00.1	2.95S	77.84W	33	3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**18 05 40 09**±2.3	**2.0S**±.21	**78.0W**±.25	**179**		**14**	**1-3**
IGQ	II	18 05 40 08.8	1.9S	77.9W	179	4.6b		**¶97ii2605**
ISC	**II**	**22 10 45 31**±1.6	**3.87S**±.079	**80.5W**±.18	**2**		**20**	**3-9**
IGQ	II	22 10 45 32.2	3.7S	80.3W	2	4.9b		**¶97ii3195**
IGQ	**II**	**26 14 50 32.1**	**2.8S**	**77.5W**	**6**	**4.3b**		**¶97ii3809**
IGQ	**II**	**28 02 15 54.6**	**2.8S**	**77.9W**		**4.0b**		**¶97ii4101**
IGQ	**III**	**01 05 28 40.3**	**2.8S**	**77.9W**	**12**	**4.3b**		**¶97iii0053**
ISC	**III**	**05 02 28 51**±5.7	**3.62S**±.078	**80.48W**±.083	**7**±34	**4.7b,4.7s**	**102**	**9-165**
NEIC	III	05 02 28 55.3	3.69S	80.56W	37	4.8b,5.3s		**¶97iii0964**
MOS	III	05 02 28 56.3	3.4S	80.7W	33	5.1b		
EIDC	III	05 02 28 56.9	3.6S	80.4W	35	4.3b,4.6L		
BJI	III	05 02 28 57.3	3.70S	80.60W	37			
ISC	**III**	**17 00 26 51**±15	**3.0S**±.96	**77.9W**±.53	**16**		**20**	**2-4**
IGQ	III	17 00 26 51.6	2.8S	78.0W	16	4.8b		**¶97iii3291**
ISC	**III**	**23 12 58 39**±15	**2.7S**±.82	**76.8W**±.74	**75**		**17**	**2-4**
IGQ	III	23 12 58 38.5	2.8S	76.8W	75	4.3b		**¶97iii4443**
ISC	**III**	**24 18 58 52**±13	**3.3S**±.92	**80.2W**±.35	**25**		**19**	**2-4**
IGQ	III	24 18 58 46.5	3.5S	80.2W	25	4.6b		**¶97iii4604**
ISC	**IV**	**06 17 24 57.8**±.99	**2.82S**±.049	**77.84W**±.045	**42**±8.1	**5.0b,4.6s**	**220**	**4-164**
EIDC	IV	06 17 24 53.5	2.6S	77.7W	0	4.7b,4.7s		**¶97iv1026**
BJI	IV	06 17 24 56.8	2.80S	77.80W	33			
NEIC	IV	06 17 24 56.8	2.79S	77.84W	33	5.2b,4.5s		
MOS	IV	06 17 24 57.9	2.8S	78.1W	33	5.5b		
IGQ	**IV**	**07 18 29 29.5**	**3.0S**	**77.6W**	**24**	**4.1b**		**¶97iv1206**
IGQ	**IV**	**15 01 40 32.3**	**2.8S**	**77.0W**	**23**	**4.1b**		**¶97iv2541**
IGQ	**IV**	**22 07 43 12.0**	**4.1S**	**80.3W**	**115**	**4.8b**		**¶97iv3669**
ISC	**V**	**28 22 02 45**±2.6	**2.9S**±.11	**77.1W**±.23	**150**±27	**3.7b**	**15**	**8-142**
NEIC	V	28 22 02 45.3	2.85S	77.10W	150	3.5b		**¶97v4779**
EIDC	V	28 22 02 45.7	2.9S	77.1W	137	3.5b		
NEIC	Less reliable solution.							
IGQ	**VI**	**08 19 18 02.1**	**2.6S**	**77.6W**	**12**	**4.1b**		**¶97vi1277**
IGQ	**VI**	**09 07 00 24.4**	**2.2S**	**77.0W**	**29**	**4.1b**		**¶97vi1345**
IGQ	**VI**	**10 17 42 45.6**	**2.6S**	**77.7W**	**0**	**4.1b**		**¶97vi1554**
IGQ	**VI**	**19 15 22 35.6**	**3.5S**	**80.9W**	**12**	**4.7b**		**¶97vi2933**
IGQ	**VI**	**26 23 53 21.2**	**2.9S**	**77.6W**	**12**	**4.2b**		**¶97vi4213**
IGQ	**VI**	**27 00 46 49.4**	**3.0S**	**78.0W**	**5**	**4.1b**		**¶97vi4215**
ISC	**VI**	**27 07 10 10**±13	**3.2S**±.87	**77.9W**±.46	**10**		**22**	**2-4**
IGQ	VI	27 07 10 12.9	2.8S	77.9W	10	4.8b		**¶97vi4251**
IGQ	**VI**	**27 20 50 48.0**	**2.6S**	**78.0W**	**2**	**4.4b**		**¶97vi4368**
ISC	**VI**	**30 18 56 28.3**±.66	**4.13S**±.033	**80.92W**±.038	**38**±4.9	**5.2b,5.4s**	**356**	**3-166**
EIDC	VI	30 18 56 24.1	4.0S	80.9W	0	5.0b,5.4s		**¶97vi4810**
NEIC	VI	30 18 56 27.4	4.16S	80.93W	33	5.3b,5.3s		
IGQ	VI	30 18 56 28.0	3.9S	81.0W	19	5.9b		
MOS	VI	30 18 56 28.3	4.0S	80.9W	33	5.7b,5.4s		
BJI	VI	30 18 56 28.4	4.20S	80.90W	33	5.9s		
HRVD	VI	30 18 56 31.2±.1	4.40S±.02	81.12W±.02	36±1.4			
NEIC	Mw5.8(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c94; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.15±.07; $M_{\theta\theta}$−0.14±.10; $M_{\phi\phi}$−4.01±.13; $M_{r\theta}$2.02±.15; $M_{r\phi}$−4.30±.19; $M_{\theta\phi}$0.70±.08. Principal Axes: T 6.39,Plg64°,Azm56°; N −0.18, Plg7°,Azm161°; P −6.22,Plg24°,Azm255°. Best double couple: $M_0$6.3×10^{17}Nm, NP1:ϕ_S0°, δ22°,λ110°. NP2:ϕ_S159°,δ70°,λ82°.

(111) Northern Peru.

ISC	**I**	**07 02 12 33.2**±.56	**5.11S**±.096	**76.88W**±.092	**33**	**4.7b**	**100**	**3-152**
IGQ	I	07 02 12 22.2	0.9S	79.2W	108	4.8b		**¶97i0869**
NEIC	I	07 02 12 29.6	5.80S	77.27W	33	4.9b		
EIDC	I	07 02 12 30.6	5.7S	77.2W	27	4.3b,4.6L		
BJI	I	07 02 12 31.6	5.80S	77.30W	33			
IGQ	**II**	**08 00 47 42.9**	**3.5S**	**76.9W**	**52**	**4.6b**		**¶97ii1065**
ISC	**III**	**03 20 40 42.1**±.67	**4.07S**±.088	**75.5W**±.13	**11**	**4.0b**	**32**	**4-140**
IGQ	III	03 20 40 14.0	2.3S	77.2W	11	4.7b		**¶97iii0690**
EIDC	III	03 20 40 40.8	4.6S	76.6W	0	4.0b,4.4L		
NEIC	III	03 20 40 43.6	4.62S	76.60W	33	4.0b		
NEIC	Poor solution.							
ISC	**III**	**17 19 58 42**±1.7	**4.7S**±.10	**76.3W**±.34	**133**±10	**3.9b**	**31**	**4-141**
IGQ	III	17 19 57 41.3	4.8S	76.3W	100	4.4b		**¶97iii3430**
NEIC	III	17 19 58 38.0	4.50S	75.75W	100	4.3b		
EIDC	III	17 19 58 43.5	4.8S	76.4W	127	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**02 14 55 15**±6.8	**5.4S**±.18	**78.4W**±.19	**23**±52	**4.0b**,3.4s	**17**	**7-167**
NEIC	IV	02 14 55 15.8	5.41S	78.51W	33	3.6b		**¶97iv0258**
EIDC	IV	02 14 55 18.5	5.4S	78.5W	39	3.9b,3.4s		
NEIC	Less reliable solution.							
ISC	**IV**	**14 19 35 11**±2.7	**5.2S**±.14	**77.9W**±.17	**128**±27	**3.9b**	**23**	**7-166**
NEIC	IV	14 19 35 07.9	5.13S	77.90W	100	3.8b		**¶97iv2502**
EIDC	IV	14 19 35 13.1	5.3S	77.9W	131	3.7b		
NEIC	Less reliable solution.							

(112) Peru-Brazil border region.

ISC	**I**	**13 01 00 15**±2.1	**9.0S**±.16	**75.0W**±.11	**105**±25	**4.9b**	**132**	**4-169**
NEIC	I	13 01 00 17.0	9.10S	75.07W	126	5.0b		**¶97i1762**
BJI	I	13 01 00 18.0	9.12S	74.35W	125			
EIDC	I	13 01 00 18.3	9.2S	75.1W	129	4.4b		
ISC	**II**	**13 12 58 30**±2.0	**8.5S**±.15	**74.5W**±.11	**150**±23	**4.5b**	**62**	**4-168**
NEIC	II	13 12 58 29.4	8.51S	74.51W	148	4.8b		**¶97ii1925**
EIDC	II	13 12 58 30.7	8.6S	74.5W	148	4.2b		
BJI	II	13 12 58 33.4	8.50S	74.50W	148			
ISC	**III**	**25 16 43 33**±1.0	**9.0S**±.14	**71.3W**±.11	**615**±18	**3.9b**	**37**	**6-167**
EIDC	III	25 16 43 31.3	9.0S	71.4W	583	3.5b		**¶97iii4763**
NEIC	III	25 16 43 32.0	9.00S	71.32W	609	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**25 16 44 34.0**±.49	**9.05S**±.037	**71.25W**±.032	**619**±6.3	**5.3b**	**496**	**6-172**
BJI	III	25 16 44 32.2	8.51S	71.42W	588			**¶97iii4764**
NEIC	III	25 16 44 32.6	9.06S	71.30W	603	5.4b		
MOS	III	25 16 44 32.7	9.0S	71.3W	600	5.9b		
EIDC	III	25 16 44 34.0	9.0S	71.3W	606	4.8b		
HRVD	III	25 16 44 37.7±.1	8.86S±.01	71.25W±.01	618±.9			
NEIC	Mw6.1(GS), Mw6.0(HRV).							

NEIC Moment tensor solution: s26, scale 10^{18}Nm; M_{rr}−1.11; $M_{\theta\theta}$0.02; $M_{\phi\phi}$1.09; $M_{r\theta}$−0.23; $M_{r\phi}$0.68; $M_{\theta\phi}$−0.48. Depth 601km; Principal axes: T 1.47,Plg16°,Azm249°; N −0.16,Plg1°, Azm340°; P −1.31,Plg74°,Azm73°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S338°,δ29°, λ−92°. NP2:ϕ_S160°,δ61°,λ−89°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c106; Mantle waves: s28,c34; Half duration: 2s4. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.11±.01; $M_{\theta\theta}$0.26±.02; $M_{\phi\phi}$0.84±.02; $M_{r\theta}$−0.09±.02; $M_{r\phi}$0.65±.02; $M_{\theta\phi}$−0.40±.02. Principal Axes: T 1.21,Plg15°,Azm246°; N 0.09,Plg8°,Azm338°; P −1.30,Plg73°,Azm94°. Best double couple: $M_0$1.3×10^{18}Nm, NP1:ϕ_S325°,δ31°,λ−105°. NP2:ϕ_S162°,δ61°,λ−81°.

ISC	**V**	**10 19 49 55**±1.7	**4.6S**±.21	**71.6W**±.18	**645**±34	**3.6b**	**30**	**9-148**
NEIC	V	10 19 49 54.5	4.69S	71.65W	650	3.7b		**¶97v1654**
EIDC	V	10 19 49 57.2	5.1S	71.9W	682	3.1b		
NEIC	Less reliable solution.							

(113) Western Brazil.

ISC	**II**	**25 02 28 44**±1.0	**7.9S**±.11	**71.7W**±.12	**575**±17	**3.9b**	**48**	**6-148**
EIDC	II	25 02 28 44.1	8.0S	71.8W	569	3.5b		**¶97ii3568**
NEIC	II	25 02 28 44.8	8.08S	71.86W	600	4.1b		
ISC	**III**	**07 09 42 24.0**±.60	**6.43S**±.040	**71.14W**±.036	**628**±8.0	**4.8b**	**354**	**8-165**
BJI	III	07 09 42 23.6	6.50S	71.20W	628			**¶97iii1490**
NEIC	III	07 09 42 23.6	6.49S	71.22W	628	4.9b		
MOS	III	07 09 42 24.7	6.4S	71.4W	629	5.0b		
EIDC	III	07 09 42 24.9	6.5S	71.1W	630	4.3b		
HRVD	III	07 09 42 28.4±.9	6.30S±.09	71.15W±.04	632±3.7			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c27; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.25±.06; $M_{\theta\theta}$0.04±.13; $M_{\phi\phi}$1.21±.14; $M_{r\theta}$0.79±.09; $M_{r\phi}$−0.68±.09; $M_{\theta\phi}$−0.14±.10. Principal Axes: T 1.48,Plg18°,Azm74°; N 0.26, Plg18°,Azm338°; P −1.74,Plg64°,Azm206°. Best double couple: $M_0$1.6×10^{17}Nm, NP1: ϕ_S190°,δ31°,λ−54°. NP2:ϕ_S330°,δ65°,λ−110°.

ISC	**III**	**25 19 25 54.4**±.69	**8.95S**±.075	**71.26W**±.056	**603**±11	**4.8b**	**216**	**6-167**
NEIC	III	25 19 25 53.9	8.99S	71.31W	600	4.9b		**¶97iii4775**
BJI	III	25 19 25 54.0	9.36S	71.43W	607			
MOS	III	25 19 25 54.7	8.9S	71.2W	605	5.2b		
EIDC	III	25 19 25 55.1	9.0S	71.3W	601	4.2b		
ISC	**VI**	**09 14 20 08.7**±.40	**5.90S**±.051	**71.74W**±.077	**640**±5.7	**4.5b**	**141**	**8-165**
NEIC	VI	09 14 20 06.3	5.83S	71.78W	603	4.7b		**¶97vi1405**
EIDC	VI	09 14 20 08.2	5.9S	71.9W	617	4.0b		
BJI	VI	09 14 20 09.3	5.80S	71.80W	603			
IGQ	VI	09 14 21 13.9	2.5S	75.2W	7	5.0b		

(114) Off coast of Peru.

ISC	**I**	**13 21 04 08**±6.8	**15.1S**±.30	**76.0W**±.30	**16**±42	**4.3b**	**22**	**3-156**
EIDC	I	13 21 04 06.6	15.2S	76.4W	0	4.1b,4.2L		**¶97i1896**
NEIC	I	13 21 04 10.5	14.98S	75.95W	33	4.1b		
NEIC	Less reliable solution.							
ISC	**I**	**19 20 43 22**±2.1	**13.1S**±.14	**77.1W**±.18	**52**±16	**4.5b**,4.3s	**37**	**1-173**
NEIC	I	19 20 43 21.9	13.09S	77.04W	47	4.6b		**¶97i2883**
EIDC	I	19 20 43 24.1	12.9S	77.2W	47	4.3b,4.1s		
BJI	I	19 20 43 25.9	13.10S	77.00W	47			
ISC	**III**	**01 10 52 59**±5.1	**15.1S**±.15	**76.1W**±.18	**26**±36	**4.0b**,3.5s	**17**	**3-147**
EIDC	III	01 10 52 57.2	15.0S	76.1W	0	4.0b,3.5s		**¶97iii0094**
NEIC	III	01 10 53 00.6	15.05S	76.04W	33	4.1b		
NEIC	Less reliable solution.							
EIDC	**IV**	**26 12 31 55.8**	**17.1S**	**76.8W**	**40**	3.2b,4.0L		**5-85**
								¶97iv4552
ISC	**V**	**03 02 12 14**±4.1	**11.1S**±.17	**78.2W**±.22	**82**±39	**3.7b**	**17**	**2-145**
EIDC	V	03 02 12 15.8	11.1S	78.3W	80	3.6b,3.0s		**¶97v0359**
NEIC	V	03 02 12 16.1	11.08S	78.11W	100			
NEIC	Less reliable solution.							

(115) Near coast of Peru.

ISC	**I**	**01 05 27 59**±3.6	**15.1S**±.12	**75.5W**±.12	**20**±25	**4.3b**	**53**	**3-153**
NEIC	I	01 05 28 01.0	15.10S	75.63W	33	4.5b		**¶97i0030**
BJI	I	01 05 28 03.0	15.10S	75.60W	33			
EIDC	I	01 05 28 08.9	15.1S	75.4W	85	4.1b		
ISC	**I**	**15 20 42 39**±2.6	**15.2S**±.24	**75.9W**±.23	**34**±17	**4.3b**	**33**	**3-174**
EIDC	I	15 20 42 36.8	15.0S	75.6W	0	4.3b,4.3L		**¶97i2206**
NEIC	I	15 20 42 39.7	15.00S	75.70W	33	4.4b		
BJI	I	15 20 42 43.7	15.00S	75.70W	33			
NEIC	Less reliable solution.							
NEIC	Felt I=II MM at Arequipa (after ARE)							
ISC	**I**	**21 09 50 45**±4.8	**15.3S**±.48	**75.9W**±.40	**34**±25	**4.1b**	**15**	**3-139**
EIDC	I	21 09 50 42.0	15.4S	76.2W	0	4.1b,4.3L		**¶97i3167**
NEIC	I	21 09 50 46.3	15.15S	75.81W	33			
NEIC	Less reliable solution.							
ISC	**I**	**22 22 16 09**±2.3	**15.2S**±.16	**75.9W**±.18	**40**±20	**3.9b**	**14**	**3-139**
EIDC	I	22 22 16 04.9	15.4S	76.2W	0	3.9b,4.5L		**¶97i3393**
NEIC	I	22 22 16 08.1	15.22S	75.87W	33	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**29 03 26 27**±4.5	**15.3S**±.15	**75.7W**±.16	**33**±31	**3.8b**	**15**	**4-134**
EIDC	I	29 03 26 24.0	15.4S	75.8W	0	3.9b,4.5L		**¶97i4299**
NEIC	I	29 03 26 27.2	15.34S	75.68W	33	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**09 07 23 47**±4.1	**15.5S**±.14	**75.4W**±.14	**28**±29	**4.2b**	**23**	**4-150**
EIDC	II	09 07 23 47.4	15.7S	75.8W	22	4.0b,4.7L		**¶97ii1278**
NEIC	II	09 07 23 47.6	15.58S	75.47W	33	4.4b		
BJI	II	09 07 23 51.6	15.60S	75.50W	33			
NEIC	Less reliable solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**09 12 32 33**±2.5	**14.45S**±.035	**76.27W**±.042	**10**±15	**5.7b,5.9s**	**345**	**3-174**
NEIC	II	09 12 32 36.2	14.49S	76.28W	33	5.7b,5.8s		¶97ii1307
BJI	II	09 12 32 37.1	14.30S	76.37W	38	6.2s		
MOS	II	09 12 32 37.3	14.4S	76.2W	33	5.9b,5.8s		
EIDC	II	09 12 32 40.6	14.5S	76.2W	62	5.0b		
HRVD	II	09 12 32 41.7±.1	14.41S±.01	76.42W±.01	20			
NEIC	Mw6.1(HRV), Me5.8(GS).							
NEIC	Mw 6.0 (GS). Mo=3.2×10^{18}Nm (PPT).							
NEIC	Radiated energy from the P−wave first−motion solution: 9.7±2.4×10^{12}Nm/11							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S0°,δ15°,λ90°. NP2:ϕ_S180°,δ75°,λ90°. Principal axes: T Plg60°,Azm90°; P Plg30°,Azm270°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s28, scale 10^{17}Nm; M_{rr}6.10; $M_{\theta\theta}$−0.50; $M_{\phi\phi}$−5.60; $M_{r\theta}$1.60; $M_{r\phi}$−9.40; $M_{\theta\phi}$0.60. Depth 19km; Principal axes: T 11.5,Plg61°,Azm79°; N −0.4,Plg1°, Azm171°; P −11.0,Plg29°,Azm262°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S355°,δ16°, λ94°. NP2:ϕ_S171°,δ74°,λ89°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c94; Mantle waves: s26,c37; Half duration: 2s9. Moment tensor: Scale 10^{18}Nm; M_{rr}0.93±.01; $M_{\theta\theta}$−0.13±.01; $M_{\phi\phi}$−0.80±.01; $M_{r\theta}$0.26±.02; $M_{r\phi}$−1.35±.02; $M_{\phi\theta}$0.54±.01. Principal Axes: T 1.67,Plg61°,Azm92°; N 0.09,Plg11°,Azm343°; P −1.76,Plg27°,Azm247°. Best double couple: $M_0$1.7×10^{18}Nm, NP1:ϕ_S313°,δ21°,λ59°. NP2:ϕ_S166°,δ72°,λ101°.							
ISC	**II**	**09 14 57 21**±1.3	**14.54S**±.046	**76.24W**±.064	**35**±11	**5.1b,4.9s**	**129**	**5-174**
MOS	II	09 14 57 20.3	14.6S	76.3W	33	5.0b		¶97ii1321
NEIC	II	09 14 57 20.3	14.53S	76.24W	33	4.9b		
BJI	II	09 14 57 20.5	14.66S	76.61W	46			
EIDC	II	09 14 57 25.4	14.5S	76.1W	62	4.6b,5.1s		
ISC	**II**	**09 15 09 16**±3.4	**14.44S**±.064	**76.21W**±.059	**17**±25	**5.1b,4.9s**	**141**	**5-174**
NEIC	II	09 15 09 17.9	14.47S	76.20W	33	5.0b		¶97ii1324
MOS	II	09 15 09 18.2	14.5S	76.2W	33	5.3b		
BJI	II	09 15 09 20.0	13.90S	76.85W	33			
EIDC	II	09 15 09 22.5	14.6S	76.2W	63	4.6b,4.9s		
ISC	**II**	**09 15 17 27**±1.8	**14.6S**±.13	**76.4W**±.10	**37**±16	**4.8b,**4.6s	**77**	**5-174**
NEIC	II	09 15 17 27.4	14.49S	76.29W	33	4.7b		¶97ii1325
BJI	II	09 15 17 28.9	14.68S	76.45W	48			
EIDC	II	09 15 17 32.8	14.5S	76.2W	66	4.4b,4.6s		
ISC	**II**	**09 15 43 57**±3.9	**14.3S**±.45	**75.9W**±.40	**103**±33	**3.5b**	**8**	**2-82**
NEIC	II	09 15 43 48.7	14.52S	76.33W	33	3.5b		¶97ii1326
EIDC	II	09 15 43 58.6	14.3S	75.9W	101	3.3b,4.4L		
NEIC	Poor solution.							
ISC	**II**	**09 15 51 39**±4.5	**14.5S**±.12	**76.19W**±.093	**27**±32	**4.7b,4.7s**	**73**	**5-174**
NEIC	II	09 15 51 39.9	14.42S	76.16W	33	4.9b,5.1s		¶97ii1328
BJI	II	09 15 51 41.3	14.43S	76.88W	50			
MOS	II	09 15 51 43.6	12.7S	74.3W	33	5.1b		
EIDC	II	09 15 51 46.0	14.4S	76.1W	71	4.3b,4.6s		
ISC	**II**	**12 01 53 05**±1.5	**14.4S**±.13	**76.3W**±.12	**40**±13	**4.5b,4.5s**	**56**	**2-174**
NEIC	II	12 01 53 03.0	14.37S	76.30W	22	4.7b		¶97ii1703
EIDC	II	12 01 53 04.6	14.4S	76.4W	22	4.4b,4.4s		
BJI	II	12 01 53 05.7	13.87S	76.63W	22			
ISC	**II**	**12 12 28 33**±1.7	**14.4S**±.13	**76.2W**±.13	**41**±14	**4.4b**	**37**	**3-174**
NEIC	II	12 12 28 32.0	14.44S	76.21W	33	4.6b		¶97ii1757
BJI	II	12 12 28 34.0	14.40S	76.20W	33			
EIDC	II	12 12 28 36.9	14.5S	76.2W	63	4.1b,4.7L		
ISC	**II**	**15 03 32 44**±1.6	**14.3S**±.12	**76.2W**±.12	**37**±13	**4.3b,4.6s**	**44**	**2-155**
BJI	II	15 03 32 43.1	14.40S	76.30W	33			¶97ii2167
NEIC	II	15 03 32 43.1	14.35S	76.25W	33	4.6b		
EIDC	II	15 03 32 43.5	14.4S	76.3W	24	4.2b,4.6s		
ISC	**II**	**17 17 51 51**±1.2	**15.08S**±.085	**75.52W**±.084	**44**±11	**4.7b,4.5s**	**66**	**3-174**
BJI	II	17 17 51 49.3	15.10S	75.60W	27			¶97ii2521
NEIC	II	17 17 51 49.3	15.06S	75.56W	27	4.9b		
MOS	II	17 17 51 50.7	15.0S	75.6W	33	5.4b		
EIDC	II	17 17 51 51.1	15.1S	75.5W	28	4.6b,4.5s		
ISC	**II**	**25 10 35 49**±1.9	**14.5S**±.14	**76.2W**±.16	**35**±15	**4.0b**	**22**	**3-138**
NEIC	II	25 10 35 48.6	14.48S	76.21W	33	4.1b		¶97ii3612
EIDC	II	25 10 35 54.0	14.4S	76.2W	61	3.7b,4.6L		
NEIC	Felt, Less reliable solution.							
NEIC	Felt at Chincha Alta and Ica.							
ISC	**III**	**04 16 42 11**±1.8	**15.3S**±.15	**75.6W**±.15	**50**±15	**3.9b**	**20**	**4-138**
NEIC	III	04 16 42 10.0	15.26S	75.59W	45	3.7b		¶97iii0892
EIDC	III	04 16 42 16.1	14.8S	75.3W	65	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**09 03 19 35**±1.6	**17.3S**±.14	**71.3W**±.13	**124**±16	**3.7b**	**13**	**3-154**
EIDC	III	09 03 19 30.1	17.3S	71.8W	60	3.5b,3.9L		¶97iii1897
NEIC	III	09 03 19 33.9	17.28S	71.47W	116	3.6b		
NEIC	Poor solution.							
ISC	**IV**	**07 23 01 34**±1.5	**16.7S**±.12	**72.73W**±.099	**87**±14	**4.3b**	**35**	**4-152**
NEIC	IV	07 23 01 29.5	16.69S	72.84W	46	4.5b		¶97iv1239
BJI	IV	07 23 01 31.5	16.70S	72.80W	46	5.7s		
EIDC	IV	07 23 01 31.6	16.7S	73.0W	52	4.1b,3.3s		
NEIC	Less reliable solution.							
EIDC	**IV**	**10 08 49 27.9**	**12.7S**	**76.8W**	**0**	**3.6b,**2.7L		**1-93**
								¶97iv1659
ISC	**IV**	**11 09 38 42**±1.7	**14.3S**±.13	**75.7W**±.16	**66**±16	**4.0b**	**17**	**3-138**
NEIC	IV	11 09 38 41.8	14.29S	75.67W	62	4.2b		¶97iv1854
EIDC	IV	11 09 38 42.3	14.4S	75.8W	53	3.9b,4.0L		
NEIC	Less reliable solution.							
ISC	**IV**	**13 23 28 01**±1.9	**17.1S**±.20	**70.5W**±.14	**173**±13	**4.3b**	**29**	**2-148**
NEIC	IV	13 23 27 58.0	17.24S	70.63W	150	4.6b		¶97iv2328
EIDC	IV	13 23 28 01.9	17.2S	70.4W	171	3.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**22 07 26 54**±11	**14.4S**±.88	**76.7W**±.86	**53**±54	**3.7b**	**6**	**2-82**
EIDC	IV	22 07 26 46.0	14.8S	77.1W	0	3.9b,3.8L		¶97iv3665
NEIC	IV	22 07 26 50.6	14.67S	76.83W	33			
NEIC	Poor solution.							
ISC	**IV**	**27 15 31 51**±1.7	**14.8S**±.14	**75.4W**±.15	**56**±16	**3.8b,**4.0s	**18**	**3-138**
NEIC	IV	27 15 31 48.4	14.90S	75.53W	33	3.7b		¶97iv4755
EIDC	IV	27 15 31 50.1	14.8S	75.3W	32	3.7b,4.0s		
NEIC	Less reliable solution.							
ISC	**V**	**07 17 48 14**±1.5	**17.1S**±.12	**72.47W**±.099	**64**±12	**4.2b**	**32**	**1-153**
NEIC	V	07 17 48 10.9	17.22S	72.49W	39	4.3b		¶97v1130
EIDC	V	07 17 48 12.3	17.3S	72.4W	34	4.0b,4.0s		
BJI	V	07 17 48 12.9	17.20S	72.50W	39			
NEIC	Less reliable solution.							
ISC	**V**	**09 16 03 22**±4.0	**15.5S**±.12	**75.8W**±.13	**31**±28	**4.2b,**3.7s	**36**	**4-154**
BJI	V	09 16 03 21.5	15.50S	75.70W	33			¶97v1446
NEIC	V	09 16 03 21.9	15.52S	75.74W	33	4.3b		
EIDC	V	09 16 03 27.4	15.3S	75.6W	62	3.9b,3.9s		
NEIC	Less reliable solution.							
ISC	**V**	**10 15 44 14**±1.8	**14.9S**±.17	**75.5W**±.16	**51**±16	**4.0b,**3.0s	**15**	**3-135**
NEIC	V	10 15 44 11.9	14.92S	75.63W	33	3.8b		¶97v1624
EIDC	V	10 15 44 20.5	14.8S	75.3W	93	3.7b,3.0s		
NEIC	Less reliable solution.							
ISC	**V**	**24 13 49 34**±1.8	**16.0S**±.16	**73.4W**±.15	**94**±19	**3.6b**	**9**	**5-135**
NEIC	V	24 13 49 33.0	16.03S	73.42W	88			¶97v4119
EIDC	V	24 13 49 36.1	16.1S	73.3W	100	3.7b		
NEIC	Less reliable solution.							
ISC	**V**	**25 03 34 34**±1.8	**15.5S**±.12	**75.2W**±.12	**41**±15	**4.2b,4.2s**	**34**	**4-150**
NEIC	V	25 03 34 33.3	15.52S	75.24W	33	4.4b		¶97v4214
EIDC	V	25 03 34 38.3	15.5S	75.2W	62	3.9b,4.2s		
NEIC	Less reliable solution.							
ISC	**VI**	**01 17 15 02**±1.6	**17.0S**±.22	**71.4W**±.15	**94**±9.7	**4.2b**	**17**	**1-147**
NEIC	VI	01 17 15 03.7	16.93S	71.32W	100	3.9b		¶97vi0115
EIDC	VI	01 17 15 05.3	17.1S	71.3W	110	3.9b		
NEIC	Less reliable solution.							
NEIC	Felt I=III MM at Arequipa.							
ISC	**VI**	**13 01 11 21**±1.5	**17.0S**±.12	**72.6W**±.11	**90**±13	**4.0b**	**23**	**4-153**
NEIC	VI	13 01 11 19.2	17.01S	72.63W	64	4.3b		¶97vi1916
EIDC	VI	13 01 11 22.2	17.1S	72.5W	79	3.8b,3.9s		
NEIC	Less reliable solution.							
ISC	**VI**	**14 22 43 58**±1.1	**17.59S**±.093	**70.60W**±.093	**109**±10	**4.2b**	**37**	**3-154**
NEIC	VI	14 22 43 55.0	17.56S	70.78W	82	4.4b		¶97vi2185
EIDC	VI	14 22 43 58.2	17.6S	70.6W	93	4.0b		
NEIC	Less reliable solution.							
NEIC	Felt I=II MM at Arequipa.							
EIDC	**VI**	**28 02 03 32.0**	**11.4S**	**77.0W**	**166**	**3.4b,**3.3L		**1-92**
								¶97vi4398

(116) Peru.

ISC	**I**	**01 07 10 43**±1.7	**14.2S**±.23	**71.5W**±.15	**65**±26	**3.7b**	**9**	**2-84**
NEIC	I	01 07 10 39.9	15.66S	72.20W	100	3.6b		¶97i0038
EIDC	I	01 07 10 42.1	15.7S	72.1W	107	3.6b		
NEIC	Poor solution.							
ISC	**I**	**06 10 46 16**±1.2	**12.4S**±.33	**75.5W**±.21	**100**	**3.5b**	**7**	**1-137**
NEIC	I	06 10 46 15.4	12.39S	75.43W	100			¶97i0776
EIDC	I	06 10 46 16.7	12.4S	75.5W	93	3.3b		
NEIC	Single network solution.							
ISC	**I**	**15 04 06 44**±4.5	**14.8S**±.71	**74.7W**±.49	**65**±18	**4.0b**	**13**	**3-135**
EIDC	I	15 04 06 32.5	15.3S	73.7W	0	4.0b,3.8L		¶97i2093
NEIC	I	15 04 06 39.7	15.41S	75.05W	50	4.0b		
NEIC	Less reliable solution.							
ISC	**I**	**27 07 28 48.0**±.98	**12.0S**±.20	**74.4W**±.14	**33**	**4.0b**	**6**	**2-81**
NEIC	I	27 07 28 47.7	12.06S	74.39W	33			¶97i4064
EIDC	I	27 07 28 49.4	12.9S	74.6W	66	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**09 14 54 56**±3.8	**13.1S**±.98	**75.5W**±.68	**33**	**4.0b**	**9**	**8-136**
NEIC	II	09 14 54 51.1	14.24S	76.30W	33	4.2b		¶97ii1320
EIDC	II	09 14 54 55.4	14.1S	76.2W	53	3.7b		
NEIC	Poor solution.							
EIDC	**II**	**09 23 41 59.9**	**14.2S**	**73.0W**	**0**	**3.5b,**3.8L		**4-137**
								¶97ii1384
ISC	**II**	**09 23 47 19**±1.0	**11.2S**±.24	**73.6W**±.24	**33**	**4.0b**	**7**	**3-93**
EIDC	II	09 23 47 15.2	11.2S	73.8W	0	4.0b,4.3L		¶97ii1385
NEIC	II	09 23 47 18.4	11.27S	73.63W	33			
NEIC	Poor solution.							
ISC	**II**	**12 15 18 40.6**±.88	**10.2S**±.12	**74.1W**±.14	**33**	**3.7b**	**7**	**3-79**
EIDC	II	12 15 18 39.5	9.6S	73.5W	0	3.6b,3.1L		¶97ii1778
ISC	**II**	**16 18 53 59.5**±.94	**14.79S**±.099	**72.91W**±.089	**105**±9.3	**4.4b**	**53**	**2-171**
EIDC	II	16 18 53 59.5	14.8S	72.9W	92	4.4b		¶97ii2405
BJI	II	16 18 54 00.1	14.80S	72.90W	109			
NEIC	II	16 18 54 00.1	14.75S	72.85W	109	4.7b		
ISC	**II**	**22 06 09 17**±1.8	**11.8S**±.18	**74.9W**±.12	**40**±22	**3.8b**	**16**	**2-147**
NEIC	II	22 06 09 15.9	11.73S	74.89W	33	3.6b		¶97ii3176
EIDC	II	22 06 09 18.5	11.9S	75.0W	42	3.6b,3.8L		
NEIC	Less reliable solution.							
NEIC	Felt in the Huancayo area.							
ISC	**II**	**24 01 05 32.3**±.82	**11.8S**±.16	**72.5W**±.11	**33**	**3.3b**	**9**	**4-81**
EIDC	II	24 01 05 28.6	11.8S	72.4W	0	3.4b,3.0L		¶97ii3398
NEIC	II	24 01 05 30.6	12.14S	72.80W	33			
NEIC	Poor solution.							
ISC	**III**	**01 04 38 50**±1.2	**9.4S**±.46	**76.1W**±.64	**33**	**3.9b**	**8**	**8-138**
EIDC	III	01 04 38 50.6	8.0S	74.4W	0	3.8b,4.1L		¶97iii0046
ISC	**III**	**07 19 34 42**±3.3	**11.11S**±.078	**73.94W**±.066	**31**±25	**5.0b,4.4s**	**128**	**3-170**
EIDC	III	07 19 34 39.3	11.0S	73.9W	0	4.8b,4.3s		¶97iii1586
NEIC	III	07 19 34 42.5	11.10S	73.96W	33	5.1b,4.4s		
MOS	III	07 19 34 43.3	11.0S	73.9W	33	5.4b		
BJI	III	07 19 34 45.5	11.10S	73.90W	33			
ISC	**III**	**15 21 06 24.3**±.95	**9.0S**±.12	**76.0W**±.28	**100**	**3.8b**	**12**	**3-144**
NEIC	III	15 21 06 23.9	9.05S	76.03W	100			¶97iii3108
EIDC	III	15 21 06 27.9	9.3S	76.3W	124	3.5b		
NEIC	Poor solution.							
EIDC	**III**	**29 20 48 58.4**	**13.9S**	**71.5W**	**0**	**3.4b,**3.9L		**4-83**
								¶97iii5644
ISC	**IV**	**04 16 03 22**±1.5	**9.5S**±.38	**74.5W**±.43	**150**	**3.6b**	**9**	**3-139**
NEIC	IV	04 16 03 19.7	9.99S	74.86W	150	3.0b		¶97iv0631
EIDC	IV	04 16 03 24.0	10.0S	74.8W	172	3.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**06 23 19 30**±1.4	**10.60S**±.063	**75.44W**±.064	**43**±13	**4.7b,4.2s**	**119**	**2-170**
EIDC	IV	06 23 19 25.3	10.6S	75.4W	0	4.5b,4.0s		¶97iv1071
MOS	IV	06 23 19 28.1	10.7S	75.3W	33	5.2b		
NEIC	IV	06 23 19 28.5	10.65S	75.47W	33	4.8b,4.2s		
BJI	IV	06 23 19 30.0	10.55S	75.49W	45			
ISC	**IV**	**07 13 55 17.3**±.81	**14.0S**±.24	**70.7W**±.21	**33**	**3.5b**	**9**	**3-151**
EIDC	IV	07 13 55 13.6	14.3S	71.1W	0	3.4b,4.4L		¶97iv1171
ISC	**IV**	**07 14 53 05.2**±.89	**10.9S**±.14	**75.1W**±.13	**33**	**3.7b**	**8**	**2-171**
EIDC	IV	07 14 53 01.9	10.8S	75.2W	0	3.7b,2.9L		¶97iv1177
NEIC	IV	07 14 53 05.8	10.78S	74.96W	33	3.5b		
NEIC	Poor solution.							
ISC	**IV**	**08 17 59 07**±2.0	**8.4S**±.12	**75.7W**±.12	**116**±22	**4.3b**	**44**	**4-144**
NEIC	IV	08 17 59 06.8	8.38S	75.70W	114	4.7b		¶97iv1378
EIDC	IV	08 17 59 08.5	8.4S	75.7W	115	3.9b		
ISC	**IV**	**08 23 53 27.5**±.85	**13.5S**±.18	**71.2W**±.15	**33**	**4.0b**	**7**	**4-83**
EIDC	IV	08 23 53 23.7	13.7S	71.3W	0	4.0b,3.8L		¶97iv1428
ISC	**IV**	**10 18 04 52**±2.4	**10.5S**±.16	**75.0W**±.12	**62**±26	**4.2b**	**32**	**2-151**
NEIC	IV	10 18 04 49.6	10.37S	74.92W	33	4.5b		¶97iv1723
EIDC	IV	10 18 04 51.6	10.3S	74.9W	34	4.0b,3.4s		
BJI	IV	10 18 04 56.6	10.40S	74.90W	33			
EIDC	**IV**	**22 04 00 34.9**	**13.7S**	**74.9W**	**63**	3.2b		**3-123**
								¶97iv3636

ISC	**V**	**07 02 15 43**±2.0	**10.54S**±.050	**75.39W**±.053	**25**±14	**5.0b,4.3s**	**155**	**2-170**
BJI	V	07 02 15 43.3	10.60S	75.40W	33			**¶97v1042**
NEIC	V	07 02 15 43.3	10.58S	75.41W	33	5.1b,4.0s		
MOS	V	07 02 15 44.0	10.4S	75.3W	33	5.4b		
EIDC	V	07 02 15 46.9	10.6S	75.3W	51	4.6b,3.9s		
ISC	**V**	**27 23 02 37**±1.0	**14.2S**±.12	**72.9W**±.11	**95**±11	**4.2b**	**45**	**3-153**
BJI	V	27 23 02 36.4	14.20S	72.90W	94			**¶97v4620**
NEIC	V	27 23 02 36.4	14.24S	72.91W	94	4.5b		
EIDC	V	27 23 02 38.0	14.2S	72.8W	93	4.0b,3.1s		
ISC	**VI**	**15 05 38 05.4**±.86	**12.7S**±.24	**73.8W**±.15	**33**	**3.6b**	**7**	**3-81**
EIDC	VI	15 05 38 02.3	12.6S	73.9W	0	3.7b,3.9L		**¶97vi2248**
NEIC	VI	15 05 38 04.6	12.91S	73.90W	33			
NEIC	Less reliable solution.							
EIDC	**VI**	**30 15 14 33.9**	**8.1S**	**77.5W**	**0**	**3.4b**		**4-76**
								¶97vi4780

(117) Southern Peru.

ISC	**I**	**23 17 01 56**±1.0	**16.0S**±.12	**70.0W**±.10	**206**±10	**4.0b**	**28**	**2-152**
NEIC	I	23 17 01 55.8	16.00S	70.04W	200	4.2b		**¶97i3529**
EIDC	I	23 17 01 57.1	16.0S	70.0W	197	3.8b		
ISC	**II**	**11 01 32 26**±1.2	**15.1S**±.23	**72.7W**±.14	**137**±15	**4.3b**	**40**	**2-151**
NEIC	II	11 01 32 24.4	15.03S	72.74W	119	4.6b		**¶97ii1566**
EIDC	II	11 01 32 26.1	15.0S	72.8W	123	4.0b		
NEIC	Less reliable solution.							
EIDC	**III**	**01 13 31 55.1**	**16.2S**	**71.1W**	**0**	3.9b,2.9L		**3-86**
								¶97iii0116
ISC	**IV**	**04 07 52 29**±4.3	**15.6S**±.19	**70.0W**±.39	**78**±43	**3.7b**	**7**	**2-85**
NEIC	IV	04 07 52 25.6	15.60S	70.22W	50			**¶97iv0568**
EIDC	IV	04 07 52 29.8	15.6S	70.0W	77	3.6b,3.5L		
NEIC	Less reliable solution.							
ISC	**IV**	**14 06 15 34**±2.3	**16.7S**±.19	**70.4W**±.27	**178**±22	**3.3b**	**6**	**2-86**
EIDC	IV	14 06 15 34.6	16.6S	70.4W	171	3.0b		**¶97iv2400**
ISC	**V**	**07 20 49 01.5**±.79	**15.4S**±.13	**70.2W**±.12	**242**±8.6	**3.9b**	**30**	**2-153**
NEIC	V	07 20 49 01.7	15.38S	70.04W	242	4.2b		**¶97v1143**
EIDC	V	07 20 49 02.2	15.4S	70.1W	232	3.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**10 16 42 00**±1.8	**15.5S**±.40	**72.3W**±.27	**137**±19	3.6b	**7**	**4-152**
NEIC	VI	10 16 42 01.4	15.38S	72.09W	150	3.6b		**¶97vi1547**
EIDC	VI	10 16 42 02.0	15.3S	72.0W	129	3.5b		
NEIC	Poor solution.							

(118) Peru-Bolivia border region.

ISC	**I**	**14 08 46 52**±2.0	**17.0S**±.25	**69.3W**±.15	**110**±16	**4.4b**	**11**	**1-137**
NEIC	I	14 08 46 50.5	17.22S	69.32W	100	4.3b		**¶97i1972**
EIDC	I	14 08 46 52.5	17.1S	69.1W	105	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**20 08 14 01**±1.2	**17.4S**±.16	**69.4W**±.12	**176**±9.3	**4.1b**	**12**	**2-87**
NEIC	I	20 08 14 00.6	17.36S	69.45W	173	4.4b		**¶97i2959**
EIDC	I	20 08 14 01.5	17.4S	69.5W	165	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**27 13 53 24**±1.2	**14.0S**±.15	**68.1W**±.32	**33**	**3.6b**	**4**	**2-84**
EIDC	I	27 13 53 27.6	14.3S	68.2W	60	3.2b,3.9L		**¶97i4090**
ISC	Poorly determined							
ISC	**II**	**13 02 16 24**±1.9	**16.9S**±.17	**70.0W**±.25	**177**±17	**3.5b**	**8**	**2-87**
NEIC	II	13 02 16 24.1	16.95S	69.96W	176			**¶97ii1859**
EIDC	II	13 02 16 26.0	17.1S	69.8W	164	3.4b		
NEIC	Poor solution.							
EIDC	**II**	**21 03 53 06.7**	**14.8S**	**69.8W**	**214**	**2.6b**		**2-85**
								¶97ii3011
ISC	**II**	**23 09 03 47.5**±.72	**16.6S**±.12	**69.74W**±.084	**186**±6.6	**4.1b**	**24**	**2-134**
NEIC	II	23 09 03 47.4	16.59S	69.75W	182	4.5b		**¶97ii3311**
EIDC	II	23 09 03 47.9	16.6S	69.8W	176	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**11 15 45 35**±1.0	**16.5S**±.13	**69.6W**±.12	**193**±10	**3.6b**	**16**	**1-134**
NEIC	III	11 15 45 35.9	16.49S	69.54W	200	4.3b		**¶97iii2405**
EIDC	III	11 15 45 36.3	16.5S	69.6W	182	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**19 10 43 03**±2.1	**15.8S**±.15	**69.3W**±.13	**233**±21	**4.0b**	**33**	**8-154**
EIDC	III	19 10 43 01.9	15.7S	69.1W	214	3.7b		**¶97iii3690**
NEIC	III	19 10 43 02.2	15.73S	69.25W	225	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**24 02 56 06**±1.1	**15.9S**±.25	**69.5W**±.14	**208**±10	**3.8b**	**19**	**1-137**
NEIC	III	24 02 56 05.0	16.01S	69.63W	208	3.9b		**¶97iii4514**
EIDC	III	24 02 56 06.1	16.0S	69.6W	201	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**29 14 20 05**±1.1	**16.5S**±.15	**69.8W**±.11	**182**±10	**3.9b**	**18**	**2-137**
NEIC	III	29 14 20 04.8	16.49S	69.76W	183	4.3b		**¶97iii5601**
EIDC	III	29 14 20 05.8	16.5S	69.7W	176	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**11 22 57 56.9**±.91	**16.5S**±.15	**69.6W**±.11	**200**±7.6	**3.8b**	**15**	**1-90**
NEIC	IV	11 22 57 56.7	16.53S	69.57W	200	4.3b		**¶97iv1984**
EIDC	IV	11 22 57 57.1	16.6S	69.5W	187	3.7b		
NEIC	Less reliable solution.							
ISC	**V**	**16 05 36 35**±1.4	**14.0S**±.12	**68.3W**±.21	**33**	4.1b	**7**	**2-84**
EIDC	V	16 05 36 31.4	13.9S	68.5W	0	4.1L,4.0b		**¶97v2728**
ISC	**V**	**27 20 08 36**±2.9	**18.0S**±.42	**69.6W**±.14	**149**±18	4.1b	**7**	**2-88**
EIDC	V	27 20 07 59.3	23.0S	71.5W	0	4.6b		**¶97v4605**
NEIC	V	27 20 08 36.0	17.90S	69.57W	148			
NEIC	Poor solution.							
ISC	**VI**	**01 12 06 03.8**±.72	**17.2S**±.12	**69.37W**±.080	**174**±6.6	**4.2b**	**18**	**1-100**
NEIC	VI	01 12 06 03.2	17.19S	69.43W	167			**¶97vi0076**
EIDC	VI	01 12 06 05.1	17.3S	69.2W	168	4.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**03 17 59 58**±2.0	**17.6S**±.32	**69.3W**±.39	**209**±16	**3.8b**	**7**	**2-89**
NEIC	VI	03 17 59 57.9	17.82S	69.00W	200			**¶97vi0501**
EIDC	VI	03 17 59 58.4	17.8S	69.1W	198	3.7b		
NEIC	Poor solution.							
ISC	**VI**	**24 15 48 29.6**±.64	**16.71S**±.093	**69.46W**±.081	**190**±6.9	**4.0b**	**27**	**1-154**
EIDC	VI	24 15 48 26.4	16.7S	69.5W	143	3.8b		**¶97vi3742**
NEIC	VI	24 15 48 29.4	16.72S	69.45W	190	4.5b		
NEIC	Less reliable solution.							

(119) Northern Bolivia.

EIDC	**IV**	**07 11 43 44.3**	**12.8S**	**66.6W**	**0**	**3.4b**,4.5L		**4-152**
								¶97iv1151
ISC	**V**	**06 19 53 57.1**±.83	**13.8S**±.18	**67.2W**±.27	**670**±12	**3.4b**	**12**	**3-137**
NEIC	V	06 19 53 55.8	13.68S	67.18W	650	3.5b		**¶97v1007**
EIDC	V	06 19 53 57.5	13.8S	67.2W	653	3.0b		
NEIC	Poor solution.							

(120) Bolivia.

ISC	**I**	**18 02 06 13**±4.0	**18.4S**±.85	**66.8W**±.47	**300**	3.3b	**5**	**2-89**
EIDC	I	18 02 06 12.9	18.4S	67.0W	291	3.1b		**¶97i2578**
ISC	**I**	**18 20 49 56**±1.4	**17.4S**±.23	**68.8W**±.16	**199**±10	**3.5b**	**9**	**1-87**
NEIC	I	18 20 49 55.7	17.36S	68.84W	196	3.4b		**¶97i2713**
EIDC	I	18 20 49 56.4	17.5S	68.9W	190	3.4b		
NEIC	Less reliable solution.							
ISC	**I**	**31 19 28 44**±1.1	**18.3S**±.16	**67.9W**±.11	**257**±10	**3.3b**	**12**	**2-89**
NEIC	I	31 19 28 43.5	18.34S	67.93W	250	3.2b		**¶97i4665**
EIDC	I	31 19 28 44.8	18.3S	67.9W	251	3.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**05 22 41 08**±3.2	**17.8S**±.79	**67.3W**±.37	**250**	**3.6b**	**8**	**1-88**
EIDC	VI	05 22 41 07.9	18.0S	67.4W	238	3.4b		**¶97vi0842**

(121) Off coast of Northern Chile.

ISC	**I**	**07 22 45 49**±1.1	**24.5S**±.15	**71.8W**±.13	**33**	**4.0b**	**20**	**9-157**
EIDC	I	07 22 45 44.8	24.6S	71.9W	0	4.0b,4.3L		**¶97i0989**
NEIC	I	07 22 45 49.0	24.39S	71.82W	33	4.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**02 14 10 32**±2.4	**19.7S**±.38	**71.7W**±.20	**33**	**3.7b**,3.2s	**4**	**5-89**
EIDC	IV	02 14 10 28.3	20.0S	71.6W	0	3.6b,3.5L		**¶97iv0256**
ISC	Poorly determined							
ISC	**IV**	**13 23 20 33.9**±.88	**18.39S**±.037	**71.22W**±.051	**37**±8.6	**5.0b,5.2s**	**185**	**2-172**
NEIC	IV	13 23 20 33.3	18.37S	71.25W	33	5.1b,5.1s		**¶97iv2326**
MOS	IV	13 23 20 34.3	18.5S	71.6W	33	5.6b		
BJI	IV	13 23 20 34.9	18.43S	71.29W	43	5.9s		
HRVD	IV	13 23 20 38.4±.2	18.56S±.03	71.87W±.03	51±1.7			
EIDC	IV	13 23 20 39.6	18.4S	71.2W	77	4.5b		
NEIC	Mw5.5(HRV)							
NEIC	Felt I=II MM at Arequipa, Peru.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c59; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.93±.05; $M_{\theta\theta}$−0.49±.06; $M_{\phi\phi}$−1.44±.08; $M_{r\theta}$0.49±.08; $M_{r\phi}$−0.54±.10; $M_{\theta\phi}$1.32±.07. Principal Axes: T 2.06,Plg80°,Azm36°; N 0.44, Plg3°,Azm144°; P −2.49,Plg9°,Azm235°. Best double couple: $M_0$2.3×10^{17}Nm, NP1:ϕ_s328°, δ36°,λ95°. NP2:ϕ_s142°,δ54°,λ86°.

ISC	**IV**	**13 23 31 30**±1.3	**19.4S**±.23	**71.7W**±.10	**33**	**3.9b**	**12**	**4-88**
EIDC	IV	13 23 31 25.6	19.5S	71.6W	0	4.1b,4.1L		**¶97iv2329**
NEIC	IV	13 23 31 29.0	19.50S	71.63W	33	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**13 23 43 21**±1.2	**18.9S**±.19	**71.58W**±.094	**33**	**4.0b**	**15**	**4-92**
EIDC	IV	13 23 43 16.0	19.2S	71.5W	0	4.0b,3.7L		**¶97iv2332**
NEIC	IV	13 23 43 22.0	18.73S	71.65W	33	4.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 07 44 41**±1.6	**18.4S**±.10	**71.4W**±.10	**59**±14	**4.1b,4.1s**	**30**	**2-163**
NEIC	IV	14 07 44 38.6	18.42S	71.25W	43	4.1b		**¶97iv2411**
EIDC	IV	14 07 44 40.4	18.4S	71.5W	43	3.9b,4.0L		
NEIC	Less reliable solution.							
ISC	**IV**	**14 07 46 46**±3.1	**18.5S**±.16	**71.3W**±.21	**108**±29	**3.7b**	**8**	**4-88**
NEIC	IV	14 07 46 38.2	18.36S	71.27W	33	3.8b		**¶97iv2412**
EIDC	IV	14 07 46 44.6	18.5S	71.5W	74	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**16 04 00 24**±3.1	**21.2S**±.12	**71.1W**±.21	**37**±28	**3.7b**	**8**	**5-90**
EIDC	IV	16 04 00 20.3	21.1S	71.2W	0	3.6b,3.8L		**¶97iv2685**
NEIC	IV	16 04 00 23.0	21.17S	71.14W	33			
NEIC	Less reliable solution.							
ISC	**VI**	**06 00 51 42**±1.6	**21.42S**±.063	**71.63W**±.092	**54**±14	**4.6b,4.1s**	**80**	**6-171**
EIDC	VI	06 00 51 36.2	21.5S	71.9W	0	4.4b,3.9s		**¶97vi0861**
NEIC	VI	06 00 51 39.6	21.41S	71.61W	33	4.7b,4.2s		
MOS	VI	06 00 51 40.7	21.2S	71.4W	33	4.9b		
BJI	VI	06 00 51 43.6	21.40S	71.60W	33			

(122) Near coast of Northern Chile.

ISC	**I**	**19 06 21 36**±1.9	**20.7S**±.11	**70.4W**±.12	**63**±18	**4.1b**	**23**	**5-154**
NEIC	I	19 06 21 32.6	20.80S	70.53W	33	3.8b		**¶97i2799**
EIDC	I	19 06 21 38.3	20.6S	70.5W	67	3.8b		
NEIC	Less reliable solution.							
ISC	**I**	**27 16 07 05**±1.4	**24.08S**±.064	**70.32W**±.097	**55**±13	**4.7b**,4.3s	**45**	**8-170**
BJI	I	27 16 07 02.6	24.10S	70.40W	33			**¶97i4103**
NEIC	I	27 16 07 02.6	24.07S	70.43W	33	4.9b		
EIDC	I	27 16 07 04.3	24.3S	70.3W	38	4.5b,4.5L		
ISC	**I**	**28 00 42 16**±1.4	**20.8S**±.13	**70.1W**±.28	**33**	3.8b	**5**	**5-90**
EIDC	I	28 00 42 13.6	20.7S	70.2W	0	3.7b,3.7L		**¶97i4149**
ISC	**II**	**12 00 01 19**±2.0	**25.76S**±.097	**70.7W**±.21	**87**±20	**3.9b**	**15**	**6-168**
EIDC	II	12 00 01 17.4	25.7S	70.7W	61	3.8b,3.9L		**¶97ii1689**
NEIC	II	12 00 01 19.8	25.75S	70.65W	100	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**28 16 53 47**±1.2	**20.5S**±.18	**71.0W**±.43	**33**	4.2b	**5**	**5-90**
EIDC	II	28 16 53 43.3	20.4S	71.3W	0	4.0b,4.0L		**¶97ii4298**
ISC	**III**	**01 15 32 33**±3.1	**27.16S**±.078	**70.4W**±.15	**26**±26	**4.3b**,3.4s	**23**	**5-127**
EIDC	III	01 15 32 38.0	27.0S	70.4W	57	4.1b,3.9L		**¶97iii0132**
ISC	**III**	**13 07 08 45.3**±.52	**27.36S**±.051	**70.8W**±.13	**33**	**4.0b**	**31**	**5-148**
NEIC	III	13 07 08 45.1	27.39S	70.82W	33	4.6b		**¶97iii2663**
EIDC	III	13 07 08 49.0	26.9S	70.6W	37	4.3b,3.8L		
NEIC	Less reliable solution.							
ISC	**IV**	**05 16 46 00**±3.1	**23.7S**±.14	**70.3W**±.32	**179**±37	3.4b	**6**	**8-144**
NEIC	IV	05 16 45 57.9	23.69S	70.42W	150			**¶97iv0807**
EIDC	IV	05 16 46 01.9	23.6S	70.2W	177	3.2b		
ISC	Poorly determined							
NEIC	Single network solution.							
ISC	**IV**	**09 16 05 26**±1.6	**18.2S**±.22	**70.0W**±.33	**100**	3.4b	**4**	**2-88**
NEIC	IV	09 16 05 25.6	18.23S	70.01W	100			**¶97iv1549**
EIDC	IV	09 16 05 27.5	18.3S	69.8W	110	3.2b,3.3L		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**V**	**01 20 46 10**±2.0	**20.7S**±.12	**70.0W**±.15	**56**±17	**4.1b**	**24**	**4-157**
NEIC	V	01 20 46 08.8	20.73S	69.97W	50	4.0b		**¶97v0153**
BJI	V	01 20 46 10.3	20.70S	69.90W	50			
EIDC	V	01 20 46 12.3	20.6S	70.2W	60	3.9b		
NEIC	Less reliable solution.							
NEIC	Felt I=III MM at Guatacondo, Huara, Laonsana, Pica, Pozo Alamonte and Quillagua; II MM at Iquique.							
EIDC	**V**	**05 10 02 28.1**	**21.7S**	**70.7W**	**0**	4.2b,4.3L		**6-132**
								¶97v0770
ISC	**V**	**10 08 58 22**±2.5	**20.4S**±.11	**70.4W**±.16	**74**±24	**3.5b**	**16**	**4-133**
NEIC	V	10 08 58 21.0	20.34S	70.44W	68			**¶97v1561**
EIDC	V	10 08 58 22.7	20.3S	70.5W	70	3.3b,4.0L		

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Less reliable solution.						
NEIC	Felt I=III MM at Guatacondo, Huara, Iquique, Pica, Pozo Almonte and Tarapaca.						
ISC	**V 20 06 17 00**±1.9	**25.11S**±.082	**70.8W**±.12	**47**±18	**4.2b**,3.3s	**22**	**8-145**
NEIC	V 20 06 16 58.6	25.13S	70.80W	33	4.3b		**¶97v3367**
EIDC	V 20 06 17 02.9	25.2S	70.7W	53	4.0b,3.9L		
NEIC	Felt I=III MM at Taltal.						
ISC	**V 23 02 21 46**±1.6	**21.9S**±.20	**70.0W**±.18	**33**	**3.6b**	**7**	**6-91**
EIDC	V 23 02 21 42.0	21.9S	70.1W	0	3.6b,4.1L		**¶97v3868**
ISC	**V 25 18 57 31**±1.1	**22.98S**±.045	**70.59W**±.067	**45**±10	**5.0b,5.2s**	**151**	**2-176**
NEIC	V 25 18 57 30.0	22.89S	70.55W	36	5.2b,5.1s		**¶97v4312**
MOS	V 25 18 57 30.3	22.9S	70.7W	33	5.4b,5.1s		
BJI	V 25 18 57 30.6	23.78S	70.28W	36	5.9s		
HRVD	V 25 18 57 31.4±.2	23.24S±.03	71.20W±.03	15			
EIDC	V 25 18 57 31.4	23.0S	70.6W	37	4.6b,5.2s		
NEIC	Mw5.5(HRV)						
NEIC	Felt I=IV MM at Mejillones and III MM at Michilla.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c56; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.04; $M_{\theta\theta}$0.35±.06; $M_{\phi\phi}$−1.82±.07; $M_{r\theta}$0.05±.07; $M_{r\phi}$−1.35±.07; $M_{\theta\phi}$0.05±.05. Principal Axes: T 1.95,Plg70°,Azm86°; N 0.35, Plg1°,Azm178°; P −2.30,Plg20°,Azm269°. Best double couple: $M_0$2.1×10^{17}Nm, NP1:ϕ_S0°, δ25°,λ92°. NP2:ϕ_S178°,δ65°,λ89°.						
ISC	**V 27 05 41 15**±2.3	**25.4S**±.11	**70.7W**±.18	**82**±30	3.5b	**10**	**8-146**
NEIC	V 27 05 41 14.3	25.37S	70.66W	71			**¶97v4518**
EIDC	V 27 05 41 15.1	25.4S	70.7W	60	3.7L,3.3b		
NEIC	Less reliable solution.						
ISC	**VI 14 03 56 52**±1.1	**20.2S**±.14	**70.2W**±.27	**100**	**3.6b**	**6**	**4-90**
NEIC	VI 14 03 56 52.3	20.25S	70.13W	100			**¶97vi2084**
EIDC	VI 14 03 56 56.9	20.2S	69.2W	145	3.3b		
NEIC	Less reliable solution.						
ISC	**VI 30 14 41 20**±4.3	**23.8S**±.27	**70.2W**±.23	**58**±31	**4.2b**	**15**	**7-145**
NEIC	VI 30 14 41 16.8	23.97S	70.37W	33	4.7b		**¶97vi4775**
EIDC	VI 30 14 41 23.5	23.8S	70.2W	69	3.9b		
NEIC	Less reliable solution.						

(123) Northern Chile.

ISC	**I 03 05 15 50**±1.2	**23.0S**±.18	**68.9W**±.15	**33**	**3.9b**	**13**	**7-93**
EIDC	I 03 05 15 45.8	23.0S	69.0W	0	3.8b,3.6L		**¶97i0325**
NEIC	I 03 05 15 49.3	23.00S	68.87W	33			
NEIC	Less reliable solution.						
ISC	**I 10 08 46 47**±4.0	**22.8S**±.27	**68.3W**±.27	**143**±30	**3.8b**	**23**	**6-153**
NEIC	I 10 08 46 41.7	23.04S	68.38W	100	4.1b		**¶97i1334**
EIDC	I 10 08 46 45.4	22.8S	68.3W	116	4.0b		
NEIC	Less reliable solution.						
ISC	**I 22 14 37 06**±2.0	**21.2S**±.11	**69.7W**±.17	**113**±19	**3.7b**	**18**	**5-154**
NEIC	I 22 14 37 04.1	21.24S	69.78W	100			**¶97i3341**
EIDC	I 22 14 37 06.8	21.1S	69.7W	106	3.4b		
NEIC	Less reliable solution.						
ISC	**I 31 11 49 13**±2.0	**19.3S**±.22	**69.3W**±.21	**110**	3.2b	**5**	**3-89**
EIDC	I 31 11 49 15.9	19.1S	69.2W	110	3.1b		**¶97i4620**
ISC	**II 09 01 58 49**±1.7	**18.8S**±.11	**69.4W**±.16	**149**±15	**3.7b**	**14**	**3-135**
EIDC	II 09 01 58 49.2	18.8S	69.4W	133	3.6b		**¶97ii1237**
NEIC	II 09 01 58 49.5	18.75S	69.32W	150	3.7b		
NEIC	Less reliable solution.						
ISC	**II 15 07 32 48**±1.4	**22.38S**±.093	**68.37W**±.099	**130**±13	**3.9b**	**26**	**5-146**
NEIC	II 15 07 32 46.9	22.39S	68.39W	120	4.2b		**¶97ii2193**
EIDC	II 15 07 32 48.6	22.4S	68.4W	122	3.9b		
ISC	**II 17 22 55 28**±1.8	**22.4S**±.16	**68.9W**±.23	**33**	4.1b	**6**	**6-92**
EIDC	II 17 22 55 24.5	22.5S	69.0W	0	4.1b,3.6L		**¶97ii2563**
NEIC	II 17 22 55 28.0	22.36S	68.89W	33			
NEIC	Less reliable solution.						
ISC	**II 21 14 14 31**±2.3	**20.2S**±.12	**69.8W**±.21	**101**±21	**3.9b**	**9**	**4-90**
NEIC	II 21 14 14 31.3	20.25S	69.76W	100			**¶97ii3081**
EIDC	II 21 14 14 32.0	20.2S	69.8W	88	3.7b		
NEIC	Less reliable solution.						
ISC	**II 21 22 20 29**±2.1	**23.5S**±.24	**68.1W**±.26	**100**	**3.8b**	**9**	**7-144**
NEIC	II 21 22 20 28.2	23.53S	68.14W	100	4.2b		**¶97ii3129**
EIDC	II 21 22 20 30.8	23.4S	68.1W	102	3.8b,3.6L		
NEIC	Less reliable solution.						
ISC	**II 25 11 38 06**±1.3	**23.6S**±.22	**68.1W**±.16	**100**	**3.8b**	**11**	**7-128**
NEIC	II 25 11 38 07.0	23.40S	68.10W	100	3.8b		**¶97ii3615**
EIDC	II 25 11 38 11.7	23.2S	68.2W	119	3.6b		
NEIC	Poor solution.						
ISC	**III 07 15 15 49**±2.4	**19.4S**±.13	**69.8W**±.19	**104**±22	**3.8b**	**8**	**3-90**
NEIC	III 07 15 15 48.7	19.40S	69.77W	100	3.5b		**¶97iii1540**
EIDC	III 07 15 15 50.0	19.4S	69.7W	94	3.4b		
NEIC	Less reliable solution.						
ISC	**III 07 19 00 06**±1.8	**26.04S**±.097	**69.8W**±.16	**79**±19	**3.9b**	**13**	**6-146**
NEIC	III 07 19 00 04.9	26.02S	69.79W	70	4.0b		**¶97iii1579**
EIDC	III 07 19 00 05.2	26.1S	69.7W	59	3.8b		
NEIC	Less reliable solution.						
ISC	**III 09 18 51 43**±1.8	**21.5S**±.10	**69.7W**±.10	**49**±16	**4.2b**	**27**	**5-152**
NEIC	III 09 18 51 43.3	21.51S	69.67W	49	4.5b		**¶97iii2055**
EIDC	III 09 18 51 45.2	21.5S	69.8W	49	3.9b		
ISC	**III 14 02 07 44**±1.4	**21.2S**±.15	**69.3W**±.30	**117**	3.4b	**4**	**5-91**
EIDC	III 14 02 07 45.1	21.1S	69.3W	117	3.3b		**¶97iii2797**
ISC	Poorly determined						
ISC	**III 17 08 36 57**±1.3	**18.69S**±.050	**69.66W**±.060	**62**±13	**4.9b**	**136**	**3-165**
BJI	III 17 08 36 58.5	18.82S	69.86W	70			**¶97iii3345**
NEIC	III 17 08 36 58.8	18.76S	69.74W	85	5.0b		
EIDC	III 17 08 37 00.4	18.8S	69.6W	89	4.6b		
MOS	III 17 08 37 02.6	18.9S	70.7W	102	5.1b		
NEIC	Felt I=IV MM at Arica, III MM at Putre and II MM at Iquique, Pica, Pisagua and Pozo Almonte.						
ISC	**III 25 05 08 55**±1.7	**19.4S**±.12	**69.7W**±.10	**119**±14	**4.0b**	**25**	**3-150**
EIDC	III 25 05 08 52.9	19.7S	69.7W	84	3.8b,3.0s		**¶97iii4675**
NEIC	III 25 05 08 55.7	19.43S	69.64W	120	4.0b		
NEIC	Less reliable solution.						
ISC	**III 27 07 20 36**±1.5	**22.2S**±.10	**68.45W**±.097	**130**±14	**4.2b**	**33**	**6-143**
NEIC	III 27 07 20 34.7	22.26S	68.50W	122	4.4b		**¶97iii5165**
EIDC	III 27 07 20 36.9	22.2S	68.5W	128	4.0b		
ISC	**IV 01 18 33 32.3**±.12	**18.25S**±.025	**69.48W**±.029	**114**±.6*	**5.9b**	**535**	**2-179**
MOS	IV 01 18 33 19.6	18.0S	69.4W	15	6.3b,5.6s		**¶97iv0122**
BJI	IV 01 18 33 32.1	17.85S	69.50W	103			
NEIC	IV 01 18 33 32.2	18.30S	69.53W	114	5.9b		
EIDC	IV 01 18 33 34.0	18.3S	69.4W	116	5.6b		
HRVD	IV 01 18 33 38.2±.1	18.32S±.01	69.54W±.01	118±.8			
NEIC	Mw6.2(GS), Me5.9(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 1.6±0.4×10^{13}Nm/14						
NEIC	Mw 6.2 (HRV). Mb 6.2 (BRK). Felt I=V MM at Iquique and IV MM at Arica, Camarones and Putre. Felt V MM at Tacna, Peru. Landslides, avalanches and power outages occurred in the epicentral area.						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S347°,δ82°,λ−55°. NP2:ϕ_S88°,δ36°,λ−166°. Principal axes: T Plg28°,Azm50°; P Plg42°,Azm290°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}−0.59; $M_{\theta\theta}$−0.27; $M_{\phi\phi}$0.86; $M_{r\theta}$0.35; $M_{r\phi}$−1.38; $M_{\theta\phi}$1.09. Depth 111km; Principal axes: T 1.98,Plg24°,Azm112°; N −0.06,Plg37°, Azm2°; P −1.92,Plg43°,Azm227°. Best double couple: $M_0$1.9×10^{18}Nm; NP1:ϕ_S250°,δ40°, λ−18°. NP2:ϕ_S354°,δ79°,λ−128°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c110; Mantle waves: s38,c63; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.79±.02; $M_{\theta\theta}$−0.70±.03; $M_{\phi\phi}$1.49±.03; $M_{r\theta}$0.53±.02; $M_{r\phi}$−1.31±.02; $M_{\theta\phi}$0.25±.03. Principal Axes: T 2.08,Plg25°,Azm90°; N −0.36,Plg27°,Azm347°; P −1.72,Plg52°,Azm216°. Best double couple: $M_0$1.9×10^{18}Nm, NP1:ϕ_S222°,δ32°,λ−30°. NP2:ϕ_S339°,δ75°,λ−118°.						
ISC	**IV 01 18 42 08**±1.1	**18.22S**±.035	**69.25W**±.038	**56**±11	**5.8b,5.8s**	**441**	**2-171**
MOS	IV 01 18 42 01.8	18.1S	69.2W	11	6.0b		**¶97iv0125**
NEIC	IV 01 18 42 14.0	18.35S	69.35W	116	5.8b		
BJI	IV 01 18 42 14.2	17.98S	69.29W	108			
EIDC	IV 01 18 42 15.6	18.3S	69.4W	116	5.3b		
HRVD	IV 01 18 42 18.1±.3	18.07S±.03	69.62W±.03	106±1.8			
NEIC	Mw6.2(HRV), Mw6.1(GS)						
NEIC	Felt in the Arica-Iquique area. Also felt in the Tacna area, Peru.						
NEIC	Moment tensor solution: s35, scale 10^{18}Nm; M_{rr}−0.30; $M_{\theta\theta}$−0.67; $M_{\phi\phi}$0.97; $M_{r\theta}$0.79; $M_{r\phi}$−1.23; $M_{\theta\phi}$0.40. Depth 108km; Principal axes: T 1.72,Plg32°,Azm88°; N 0.04,Plg31°, Azm336°; P −1.76,Plg42°,Azm212°. Best double couple: $M_0$1.7×10^{18}Nm; NP1:ϕ_S233°,δ32°, λ−11°. NP2:ϕ_S332°,δ84°,λ−121°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c37; Mantle waves: s29,c44; Half duration: 2s9. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.72±.06; $M_{\theta\theta}$−0.51±.05; $M_{\phi\phi}$1.23±.05; $M_{r\theta}$0.78±.04; $M_{r\phi}$−1.38±.04; $M_{\theta\phi}$−0.72±.04. Principal Axes: T 2.30,Plg27°,Azm68°; N −0.70,Plg13°,Azm331°; P −1.60,Plg59°,Azm218°. Best double couple: $M_0$2.0×10^{18}Nm, NP1:ϕ_S188°,δ21°,λ−51°. NP2:ϕ_S327°,δ74°,λ−104°.						
ISC	**IV 02 07 32 37**±1.4	**24.56S**±.068	**69.46W**±.092	**73**±14	**4.3b**	**35**	**7-146**
NEIC	IV 02 07 32 34.3	24.56S	69.55W	50	4.6b		**¶97iv0206**
EIDC	IV 02 07 32 38.5	24.6S	69.5W	78	4.0b		
ISC	**IV 05 14 40 33**±1.2	**22.2S**±.14	**69.8W**±.53	**150**	**3.7b**	**7**	**6-132**
NEIC	IV 05 14 40 32.2	22.25S	69.72W	150			**¶97iv0791**
EIDC	IV 05 14 40 33.5	22.2S	69.7W	141	3.7b		
NEIC	Poor solution.						
ISC	**IV 06 00 55 23**±2.1	**18.7S**±.14	**69.4W**±.25	**33**	3.5b	**6**	**3-140**
EIDC	IV 06 00 55 20.2	18.6S	69.5W	0	3.5b,3.7L		**¶97iv0893**
ISC	**IV 06 16 48 35**±1.5	**18.79S**±.069	**69.17W**±.055	**92**±15	**4.7b**	**129**	**2-156**
NEIC	IV 06 16 48 38.1	18.90S	69.19W	122	4.8b		**¶97iv1020**
MOS	IV 06 16 48 39.5	18.5S	69.6W	109	4.6b		
EIDC	IV 06 16 48 39.7	19.0S	69.2W	126	4.4b		
BJI	IV 06 16 48 41.1	18.80S	69.20W	122			
NEIC	Felt I=IV MM at Arica and Camarones; III MM at Parinacota.						
ISC	**IV 09 09 26 51**±2.9	**19.4S**±.20	**69.5W**±.30	**123**±28	**3.7b**	**5**	**3-90**
NEIC	IV 09 09 26 48.6	19.47S	69.54W	100			**¶97iv1490**
EIDC	IV 09 09 26 51.8	19.3S	69.5W	120	3.4b		
ISC	Poorly determined						
NEIC	Poor solution.						
ISC	**IV 09 12 04 09**±1.6	**18.3S**±.12	**69.5W**±.15	**149**±14	**3.9b**	**18**	**2-150**
EIDC	IV 09 12 04 07.7	18.3S	69.5W	122	3.8b		**¶97iv1514**
NEIC	IV 09 12 04 08.7	18.29S	69.51W	145	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 10 17 23 07**±1.2	**18.4S**±.10	**69.21W**±.098	**148**±11	**4.0b**	**24**	**2-150**
NEIC	IV 10 17 23 05.7	18.40S	69.28W	135	4.2b		**¶97iv1719**
EIDC	IV 10 17 23 06.4	18.4S	69.3W	135	3.9b		
NEIC	Less reliable solution.						
ISC	**IV 19 17 43 48**±1.4	**22.26S**±.087	**68.49W**±.075	**99**±12	**4.4b**	**76**	**6-168**
MOS	IV 19 17 43 49.2	22.2S	68.4W	105	4.8b		**¶97iv3225**
NEIC	IV 19 17 43 49.8	22.34S	68.51W	116	4.7b		
EIDC	IV 19 17 43 51.1	22.4S	68.5W	117	4.2b,3.6s		
BJI	IV 19 17 43 52.8	22.30S	68.50W	116			
ISC	**IV 27 01 50 28**±3.5	**28.0S**±.26	**69.2W**±.23	**88**±33	4.0b	**15**	**4-97**
NEIC	IV 27 01 50 24.9	27.67S	69.49W	100	4.7b		**¶97iv4641**
NEIC	Poor solution.						
ISC	**V 17 02 10 15.9**±.58	**27.10S**±.031	**69.48W**±.040	**77**±5.7	**5.5b**	**376**	**4-175**
EIDC	V 17 02 10 17.8	27.1S	69.5W	87	5.2b,4.6s		**¶97v2868**
BJI	V 17 02 10 18.9	27.20S	69.50W	106			
NEIC	V 17 02 10 18.9	27.16S	69.50W	106	5.5b		
MOS	V 17 02 10 20.5	26.9S	69.5W	111	5.6b		
HRVD	V 17 02 10 26.0±.3	27.06S±.03	70.06W±.04	121±1.6			
NEIC	Mw5.5(GS), Mw5.5(HRV)						
NEIC	Felt I=V MM at Copiapo; IV MM at El Salvador, Inca de Oro and Potrerillos; III MM at Diego de Almagro; II MM at Taltal.						
NEIC	Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}−0.78; $M_{\theta\theta}$−0.43; $M_{\phi\phi}$1.21; $M_{r\theta}$−0.65; $M_{r\phi}$1.35; $M_{\theta\phi}$0.48. Depth 114km; Principal axes: T 1.90,Plg26°,Azm274°; N 0.00,Plg27°, Azm170°; P −1.90,Plg51°,Azm41°. Best double couple: $M_0$1.9×10^{17}Nm; NP1:ϕ_S48°,δ31°, λ−28°. NP2:ϕ_S162°,δ76°,λ−118°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c54; Mantle waves: s30,c30; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.47±.06; $M_{\theta\theta}$1.03±.10; $M_{\phi\phi}$−0.56±.11; $M_{r\theta}$−0.85±.06; $M_{r\phi}$1.99±.07; $M_{\theta\phi}$−0.39±.10. Principal Axes: T 2.17,Plg36°,Azm220°; N 0.37,Plg23°,Azm328°; P −2.54,Plg45°,Azm83°. Best double couple: $M_0$2.3×10^{17}Nm, NP1:ϕ_S251°,δ23°,λ−168°. NP2:ϕ_S150°,δ85°,λ−67°.						
ISC	**V 19 23 25 38.1**±.85	**27.63S**±.050	**69.03W**±.075	**77**±9.2	**4.4b**	**59**	**5-155**
NEIC	V 19 23 25 40.6	27.66S	68.98W	106	4.5b		**¶97v3320**
EIDC	V 19 23 25 42.8	27.4S	68.9W	107	4.2b		
BJI	V 19 23 25 45.6	27.70S	68.90W	106			
ISC	**V 25 00 37 00**±1.7	**22.7S**±.10	**68.4W**±.13	**140**±16	**3.6b**	**16**	**6-132**
NEIC	V 25 00 36 57.3	22.60S	68.46W	115	3.9b		**¶97v4192**
EIDC	V 25 00 37 00.1	22.6S	68.3W	123	3.5b		
NEIC	Less reliable solution.						
ISC	**V 26 10 42 27**±1.7	**19.8S**±.12	**69.1W**±.16	**139**±16	**4.0b**	**12**	**3-89**
NEIC	V 26 10 42 26.3	19.77S	69.12W	136			**¶97v4399**
EIDC	V 26 10 42 26.5	19.7S	69.2W	121	3.8b		
NEIC	Less reliable solution.						
ISC	**VI 02 21 08 32**±1.5	**19.9S**±.22	**69.7W**±.17	**33**	**3.9b**	**8**	**4-89**
EIDC	VI 02 21 08 29.8	19.9S	69.7W	0	3.7b,4.2L		**¶97vi0327**
NEIC	VI 02 21 08 32.3	19.84S	69.66W	33			
NEIC	Poor solution.						
EIDC	**VI 08 16 39 28.1**	**24.9S**	**69.1W**	**0**	3.2b,4.1L		**11-130**
							¶97vi1263
ISC	**VI 20 03 12 26**±3.1	**18.8S**±.22	**69.6W**±.24	**141**±22	**3.4b**	**9**	**3-90**
EIDC	VI 20 03 12 25.4	18.8S	69.6W	126	3.3b		**¶97vi2998**
NEIC	VI 20 03 12 27.1	18.73S	69.50W	150			
NEIC	Less reliable solution.						
ISC	**VI 26 23 40 06**±1.6	**19.1S**±.19	**69.5W**±.14	**146**±22	4.3b	**10**	**3-69**
EIDC	VI 26 23 39 59.7	19.6S	68.8W	0	4.3b,4.0L		**¶97vi4212**
NEIC	VI 26 23 40 05.9	19.04S	69.51W	149			

NEIC		Poor solution.							
ISC	**VI**	**29 06 33 31**±1.9	**21.2S**±.12	**69.4W**±.16	**134**±22	3.4b		**10**	**5-91**
NEIC	VI	29 06 33 28.1	21.24S	69.56W	100				**¶97vi4578**
EIDC	VI	29 06 33 30.9	21.3S	69.4W	108	3.1b			
NEIC		Less reliable solution.							
ISC	**VI**	**30 09 07 56.3**±.72	**24.40S**±.034	**69.35W**±.059	**63**±7.4	**4.8b**		**128**	**4-168**
NEIC	VI	30 09 07 57.7	24.46S	69.33W	80	4.8b			**¶97vi4737**
MOS	VI	30 09 07 58.5	24.3S	69.4W	83	5.1b			
EIDC	VI	30 09 07 59.4	24.3S	69.3W	80	4.4b,3.7s			
BJI	VI	30 09 08 03.2	24.50S	69.30W	80				
NEIC		Felt I=III MM at Antofagasta, Mejillones and Taltal.							

(124) Chile-Bolivia border region.

ISC	**I**	**04 20 46 38**±3.1	**21.0S**±.29	**68.3W**±.35	**150**	3.7b		**5**	**4-134**
NEIC	I	04 20 46 37.9	21.00S	68.26W	150				**¶97i0584**
EIDC	I	04 20 46 39.8	20.9S	68.3W	152	3.6b			
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**I**	**15 12 53 20**±1.4	**21.7S**±.10	**68.29W**±.097	**111**±12	**4.5b**		**50**	**5-168**
BJI	I	15 12 53 20.6	21.60S	68.30W	119				**¶97i2159**
NEIC	I	15 12 53 20.6	21.64S	68.30W	119	4.8b			
EIDC	I	15 12 53 22.0	21.7S	68.6W	116	4.2b			
ISC	**I**	**20 03 25 39**±1.2	**19.3S**±.12	**68.3W**±.64	**33**	**3.7b**		**5**	**3-89**
EIDC	I	20 03 25 30.6	19.7S	68.9W	0	3.9b,4.5L			**¶97i2933**
ISC	**I**	**20 23 04 31**±2.9	**20.7S**±.22	**68.7W**±.24	**156**±19	**3.6b**		**16**	**4-153**
NEIC	I	20 23 04 30.3	20.70S	68.73W	152				**¶97i3100**
EIDC	I	20 23 04 30.9	20.7S	68.8W	142	3.5b			
NEIC		Less reliable solution.							
ISC	**II**	**05 13 58 03**±3.6	**20.1S**±.34	**68.7W**±.25	**106**±26	**3.5b**		**11**	**4-134**
EIDC	II	05 13 58 12.3	14.2S	65.9W	0	3.6b,4.3L			**¶97ii0697**
NEIC	II	05 13 58 15.6	14.24S	65.85W	33	3.9b			
NEIC		Less reliable solution.							
ISC	**II**	**09 22 27 49**±2.5	**21.3S**±.16	**68.7W**±.21	**132**±26	**3.9b**		**7**	**5-91**
NEIC	II	09 22 27 45.7	21.36S	68.62W	100				**¶97ii1372**
EIDC	II	09 22 27 49.9	21.2S	68.7W	129	3.9b			
NEIC		Less reliable solution.							
ISC	**II**	**11 13 59 15**±2.5	**22.2S**±.24	**67.3W**±.21	**198**±18	**3.4b**		**11**	**6-133**
NEIC	II	11 13 59 14.6	22.16S	67.33W	195	3.9b			**¶97ii1631**
EIDC	II	11 13 59 15.0	22.2S	67.4W	183	3.3b			
NEIC		Less reliable solution.							
EIDC	**II**	**18 17 30 10.7**	**19.6S**	**68.4W**	**300**	3.8b			**3-135**
									¶97ii2673
ISC	**II**	**23 04 24 40**±2.0	**20.8S**±.13	**68.8W**±.14	**143**±19	**3.8b**		**14**	**4-134**
NEIC	II	23 04 24 36.8	20.86S	68.87W	113	4.1b			**¶97ii3293**
EIDC	II	23 04 24 39.6	20.8S	68.8W	119	3.7b			
NEIC		Less reliable solution.							
EIDC	**III**	**05 06 00 13.2**	**21.0S**	**68.1W**	**158**	3.2b			**5-91**
									¶97iii0994
ISC	**III**	**05 13 56 39**±1.9	**22.4S**±.13	**67.3W**±.17	**182**±21	4.0b		**7**	**6-92**
NEIC	III	05 13 56 39.0	22.29S	67.45W	200				**¶97iii1072**
EIDC	III	05 13 56 39.8	22.3S	67.4W	188	3.7b			
NEIC		Less reliable solution.							
ISC	**III**	**08 21 19 48**±1.4	**21.56S**±.089	**68.20W**±.085	**131**±13	**4.4b**		**44**	**5-150**
NEIC	III	08 21 19 47.1	21.64S	68.24W	128	4.5b			**¶97iii1834**
EIDC	III	08 21 19 48.9	21.6S	68.2W	127	4.1b			
ISC	**III**	**09 13 24 14**±2.7	**20.9S**±.18	**68.9W**±.26	**153**±29	4.6b		**5**	**5-69**
EIDC	III	09 13 24 15.1	20.8S	69.0W	156	3.8b			**¶97iii1976**
ISC		Poorly determined							
ISC	**III**	**12 13 50 08**±1.4	**22.4S**±.10	**67.3W**±.10	**184**±14	**3.9b**		**22**	**6-133**
NEIC	III	12 13 50 06.6	22.42S	67.31W	172	4.1b			**¶97iii2545**
EIDC	III	12 13 50 08.1	22.4S	67.4W	172	3.8b			
NEIC		Less reliable solution.							
ISC	**III**	**16 23 52 36**±1.0	**21.1S**±.25	**68.6W**±.15	**100**	**4.2b**		**31**	**5-152**
EIDC	III	16 23 52 35.7	21.3S	68.8W	92	4.0b			**¶97iii3284**
NEIC	III	16 23 52 36.1	21.10S	68.58W	100	4.4b			
NEIC		Less reliable solution.							
ISC	**III**	**17 19 58 06**±2.1	**21.04S**±.083	**68.47W**±.085	**86**±21	**4.4b**		**51**	**4-168**
NEIC	III	17 19 58 06.9	21.18S	68.49W	100	4.7b			**¶97iii3428**
MOS	III	17 19 58 08.8	21.1S	68.8W	100	4.4b			
EIDC	III	17 19 58 09.5	21.1S	68.4W	104	4.1b			
BJI	III	17 19 58 09.9	21.21S	68.50W	99				
ISC	**IV**	**11 11 37 09**±1.8	**20.5S**±.12	**68.8W**±.19	**148**±18	3.9b		**8**	**4-90**
EIDC	IV	11 11 37 08.8	20.4S	68.8W	124	3.7b			**¶97iv1889**
NEIC	IV	11 11 37 09.1	20.45S	68.81W	146	4.0b			
NEIC		Less reliable solution.							
ISC	**IV**	**16 10 22 17**±1.7	**20.0S**±.19	**68.1W**±.21	**25**	**3.8b**		**6**	**3-90**
EIDC	IV	16 10 22 21.6	19.5S	67.9W	25	3.6b,3.4L			**¶97iv2742**
ISC	**IV**	**19 03 00 27**±1.6	**20.1S**±.12	**68.4W**±.14	**152**±17	**4.2b**		**13**	**4-134**
NEIC	IV	19 03 00 22.0	20.22S	68.52W	100	4.4b			**¶97iv3142**
EIDC	IV	19 03 00 26.5	20.1S	68.5W	134	4.2b			
NEIC		Poor solution.							
ISC	**IV**	**25 06 04 36**±2.0	**21.1S**±.16	**67.5W**±.22	**206**±25	3.8b		**5**	**5-91**
NEIC	IV	25 06 04 35.8	21.05S	67.58W	227	3.7b			**¶97iv4296**
EIDC	IV	25 06 04 36.4	21.1S	67.6W	192	3.8b			
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**IV**	**26 09 42 54**±1.4	**21.39S**±.093	**68.4W**±.12	**130**±13	**4.0b**		**29**	**5-152**
NEIC	IV	26 09 42 50.9	21.43S	68.58W	100	4.2b			**¶97iv4515**
EIDC	IV	26 09 42 54.1	21.4S	68.6W	115	3.9b			
ISC	**V**	**09 15 52 03.8**±.87	**21.41S**±.071	**68.4W**±.11	**126**±8.9	**3.9b**		**23**	**1-147**
NEIC	V	09 15 52 03.5	21.41S	68.40W	124	4.3b			**¶97v1444**
EIDC	V	09 15 52 05.0	21.4S	68.4W	125	3.9b			
ISC	**V**	**19 09 42 43**±1.0	**20.75S**±.087	**68.9W**±.14	**131**±11	**3.3b**		**11**	**2-90**
EIDC	V	19 09 42 42.0	20.8S	69.0W	108	3.3b			**¶97v3233**
NEIC	V	19 09 42 42.6	20.75S	68.86W	129				
NEIC		Less reliable solution.							
ISC	**V**	**19 14 02 14**±1.6	**20.4S**±.10	**68.8W**±.13	**145**±14	**4.1b**		**23**	**4-151**
EIDC	V	19 14 02 12.9	20.4S	68.8W	108	3.9b			**¶97v3264**
NEIC	V	19 14 02 14.2	20.41S	68.77W	142	4.8b			
NEIC		Less reliable solution.							
ISC	**V**	**19 14 48 52**±1.6	**21.5S**±.10	**68.1W**±.12	**144**±14	**4.2b**		**20**	**4-133**
NEIC	V	19 14 48 51.4	21.47S	68.08W	140	4.4b			**¶97v3270**
EIDC	V	19 14 48 52.3	21.4S	68.1W	129	3.9b			
NEIC		Less reliable solution.							
ISC	**VI**	**10 03 43 48**±1.9	**20.9S**±.14	**68.8W**±.16	**164**±18	**3.7b**		**9**	**4-75**
NEIC	VI	10 03 43 47.6	20.90S	68.75W	162				**¶97vi1475**
EIDC	VI	10 03 43 48.5	20.8S	68.8W	155	3.9b			
NEIC		Less reliable solution.							
ISC	**VI**	**11 00 58 14.8**±.69	**19.10S**±.051	**68.71W**±.070	**151**±6.3	**4.6b**		**70**	**3-168**
BJI	VI	11 00 58 12.7	19.20S	68.80W	134				**¶97vi1594**
NEIC	VI	11 00 58 12.7	19.20S	68.82W	134	4.7b			
EIDC	VI	11 00 58 14.4	19.2S	68.7W	134	4.2b			
MOS	VI	11 00 58 15.8	19.1S	68.6W	159	4.7b			
ISC	**VI**	**12 19 03 42**±1.7	**21.8S**±.10	**68.6W**±.13	**132**±16	**3.8b**		**20**	**5-142**
NEIC	VI	12 19 03 41.4	21.80S	68.63W	123	3.9b			**¶97vi1886**
EIDC	VI	12 19 03 42.3	21.7S	68.6W	114	3.7b			
NEIC		Less reliable solution.							
ISC	**VI**	**18 08 35 37**±1.2	**21.1S**±.10	**67.3W**±.11	**197**±10	**3.9b**		**29**	**4-134**
NEIC	VI	18 08 35 36.1	21.13S	67.32W	187	4.0b			**¶97vi2758**
EIDC	VI	18 08 35 37.7	21.0S	67.3W	191	3.8b			
NEIC		Less reliable solution.							

(125) Southern Bolivia.

ISC	**I**	**04 23 17 50**±4.1	**21.2S**±.44	**66.5W**±.26	**247**±25	**3.7b**		**17**	**5-151**
EIDC	I	04 23 17 49.0	21.3S	66.6W	235	3.6b			**¶97i0592**
NEIC	I	04 23 17 49.9	21.13S	66.46W	250				
NEIC		Less reliable solution.							
ISC	**I**	**06 06 42 12**±1.6	**20.8S**±.22	**66.8W**±.18	**235**±12	**3.4b**		**20**	**4-151**
NEIC	I	06 06 42 12.0	20.76S	66.82W	234				**¶97i0757**
EIDC	I	06 06 42 13.4	20.7S	66.8W	235	3.3b			
NEIC		Less reliable solution.							
ISC	**I**	**08 01 14 50**±3.2	**21.5S**±.36	**66.0W**±.27	**355**±30	**3.5b**		**7**	**6-166**
EIDC	I	08 01 14 49.5	21.6S	66.0W	341	2.6b			**¶97i1000**
ISC		Poorly determined							
ISC	**I**	**28 18 05 33**±1.3	**20.7S**±.12	**67.3W**±.11	**212**±13	**3.9b**		**19**	**4-151**
NEIC	I	28 18 05 32.3	20.75S	67.28W	200	4.3b			**¶97i4238**
EIDC	I	28 18 05 34.6	20.7S	67.3W	208	3.8b			
NEIC		Less reliable solution.							
ISC	**II**	**05 03 21 50**±1.2	**20.8S**±.12	**67.3W**±.12	**211**±12	**3.5b**		**13**	**4-134**
NEIC	II	05 03 21 49.3	20.78S	67.34W	200	3.5b			**¶97ii0632**
EIDC	II	05 03 21 51.3	20.8S	67.3W	207	3.3b			
NEIC		Less reliable solution.							
ISC	**II**	**08 12 18 48.7**±.72	**21.50S**±.058	**66.73W**±.077	**224**±8.3	**3.9b**		**32**	**4-160**
NEIC	II	08 12 18 48.7	21.51S	66.72W	226	4.6b			**¶97ii1139**
EIDC	II	08 12 18 50.0	21.4S	66.7W	220	3.8b			
ISC	**II**	**17 11 51 20.6**±.99	**20.7S**±.38	**63.2W**±.36	**33**	**3.6b**		**9**	**6-141**
EIDC	II	17 11 51 17.9	20.2S	62.8W	0	3.7b,3.9L			**¶97ii2485**
ISC	**IV**	**10 08 58 39**±1.4	**20.0S**±.12	**63.7W**±.13	**53**±18	**3.3b**		**9**	**4-79**
EIDC	IV	10 08 58 33.9	19.9S	63.9W	0	3.4b,3.7L			**¶97iv1660**
NEIC	IV	10 08 58 37.0	20.07S	63.69W	33				
NEIC		Less reliable solution.							
ISC	**IV**	**24 21 00 25**±6.3	**20.9S**±.60	**67.2W**±.35	**208**±43	**3.5b**		**10**	**5-141**
NEIC	IV	24 21 00 24.0	21.03S	67.19W	200				**¶97iv4208**
EIDC	IV	24 21 00 24.6	21.1S	67.3W	192	3.4b			
NEIC		Less reliable solution.							
ISC	**V**	**04 06 57 35**±2.4	**20.2S**±.31	**66.6W**±.18	**33**	3.6b		**7**	**3-91**
EIDC	V	04 06 57 34.0	19.9S	66.5W	0	3.5b,3.9L			**¶97v0580**
NEIC	V	04 06 57 36.7	19.88S	66.49W	33				
NEIC		Poor solution.							
ISC	**VI**	**02 01 59 26**±1.2	**20.8S**±.12	**67.4W**±.12	**210**±14	3.2b		**10**	**4-91**
NEIC	VI	02 01 59 26.6	20.82S	67.28W	214				**¶97vi0162**
EIDC	VI	02 01 59 27.6	20.8S	67.3W	201	2.9b			
NEIC		Less reliable solution.							
ISC	**VI**	**02 14 10 39.2**±.71	**20.25S**±.094	**65.4W**±.20	**33**	**4.0b**		**16**	**2-91**
EIDC	VI	02 14 10 35.6	20.0S	64.8W	0	4.0b,4.3L			**¶97vi0249**
NEIC	VI	02 14 10 38.4	20.04S	64.95W	33				
NEIC		Poor solution.							
ISC	**VI**	**22 01 28 25.5**±.53	**22.0S**±.10	**63.61W**±.090	**538**±7.8	**3.9b**		**33**	**2-153**
EIDC	VI	22 01 28 25.1	21.9S	63.7W	523	3.7b			**¶97vi3306**
NEIC	VI	22 01 28 26.2	21.92S	63.65W	550	4.3b			
NEIC		Less reliable solution.							
ISC	**VI**	**27 11 15 05**±1.1	**21.9S**±.14	**65.1W**±.15	**200**			**6**	**1-17**
									¶97vi4291
ISC	**VI**	**30 07 41 31.5**±.48	**21.41S**±.031	**66.55W**±.052	**225**±5.3	**4.6b**		**143**	**3-167**
EIDC	VI	30 07 41 32.5	21.4S	66.6W	224	4.3b			**¶97vi4727**
MOS	VI	30 07 41 32.7	21.4S	66.7W	229	4.7b			
NEIC	VI	30 07 41 32.8	21.45S	66.63W	240	4.6b			
BJI	VI	30 07 41 35.8	21.50S	66.60W	240				

(127) Chile-Argentina border region.

ISC	**I**	**02 10 39 39**±2.9	**34.4S**±.14	**70.5W**±.21	**11**±8.5			**12**	**0-2**
GUC	I	02 10 39 38.2	34.46S	70.47W	5	3.5D			**¶97i0194**
NEIC	I	02 10 39 38.6	34.43S	70.46W	10				
NEIC		Single network solution.							
ISC	**I**	**03 00 11 02**±3.1	**34.4S**±.15	**70.5W**±.21	**10**±8.9			**12**	**0-2**
GUC	I	03 00 11 01.2	34.46S	70.45W	6	3.6D			**¶97i0289**
NEIC	I	03 00 11 01.7	34.42S	70.45W	10				
NEIC		Single network solution.							
ISC	**I**	**04 11 02 25**±3.0	**34.4S**±.15	**70.5W**±.21	**10**±8.9			**12**	**0-2**
GUC	I	04 11 02 24.7	34.47S	70.45W	6	3.3D			**¶97i0529**
NEIC	I	04 11 02 25.6	34.41S	70.46W	10				
NEIC		Single network solution.							
ISC	**I**	**05 12 38 00**±7.2	**31.3S**±.47	**70.3W**±.35	**169**±51			**13**	**1-3**
NEIC	I	05 12 38 07.3	31.77S	70.36W	130				**¶97i0671**
GUC	I	05 12 38 07.6	31.77S	70.31W	125	3.8D			
NEIC		Poor solution.							
ISC	**I**	**05 15 29 22**±6.2	**32.6S**±.37	**70.8W**±.17	**66**±42			**12**	**0-2**
GUC	I	05 15 29 20.6	32.59S	70.80W	73				**¶97i0685**
NEIC	I	05 15 29 20.6	32.57S	70.80W	70				
NEIC		Single network solution.							
ISC	**I**	**05 21 35 05**±3.5	**33.3S**±.11	**71.0W**±.13	**72**±37			**12**	**0-1**
GUC	I	05 21 35 04.7	33.29S	70.97W	72	3.2D			**¶97i0713**
NEIC	I	05 21 35 04.8	33.29S	70.98W	70				
NEIC		Single network solution.							
ISC	**I**	**06 21 57 08**±2.5	**32.8S**±.19	**70.2W**±.41	**104**			**8**	**0-1**
GUC	I	06 21 57 07.1	32.77S	70.14W	104	2.5D			**¶97i0837**
NEIC	I	06 21 57 07.8	32.81S	70.21W	100				
NEIC		Poor solution.							
ISC	**I**	**07 05 35 41**±4.2	**34.1S**±.14	**70.6W**±.22	**96**±36			**12**	**0-1**
NEIC	I	07 05 35 39.6	34.13S	70.55W	100				**¶97i0883**
GUC	I	07 05 35 40.2	34.07S	70.60W	100	2.5D			
NEIC		Single network solution.							
ISC	**I**	**08 03 36 53**±4.5	**34.2S**±.15	**70.2W**±.28	**11**±14			**12**	**0-2**
NEIC	I	08 03 36 51.0	34.26S	70.09W	5				**¶97i1016**
GUC	I	08 03 36 51.4	34.28S	70.10W	6	3.1D			
NEIC		Single network solution.							
ISC	**I**	**11 06 00 20**±1.8	**32.8S**±.11	**71.0W**±.11	**10**			**13**	**0-2**
NEIC	I	11 06 00 20.3	32.84S	70.98W	10				**¶97i1474**
GUC	I	11 06 00 20.9	32.84S	70.92W	13	3.9D			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		Single network solution.						
ISC	**I**	**11 18 43 52**±8.6	**32.9S**±.31	**70.3W**±.39	**118**±64		**13**	**0-2**
NEIC	I	11 18 43 51.0	32.83S	70.21W	120			**¶97i1559**
GUC	I	11 18 43 51.5	32.84S	70.21W	117	3.2D		
NEIC		Single network solution.						
ISC	**I**	**11 20 28 54**±1.9	**32.6S**±.17	**70.4W**±.31	**105**		**11**	**0-2**
GUC	I	11 20 28 53.6	32.62S	70.43W	105	2.9D		**¶97i1575**
NEIC	I	11 20 28 53.6	32.60S	70.36W	100			
NEIC		Poor solution.						
ISC	**I**	**12 05 22 17**±2.6	**33.58S**±.075	**70.8W**±.13	**73**±29		**12**	**0-1**
GUC	I	12 05 22 17.1	33.57S	70.81W	71	2.6D		**¶97i1626**
NEIC	I	12 05 22 17.2	33.58S	70.79W	70			
NEIC		Single network solution.						
ISC	**I**	**12 08 31 37**±1.8	**32.7S**±.14	**70.6W**±.20	**50**		**8**	**0-1**
NEIC	I	12 08 31 36.6	32.68S	70.50W	50			**¶97i1649**
NEIC		MD4.4(SAN), Single network solution.						
ISC	**I**	**12 13 31 29**±3.6	**34.2S**±.18	**70.4W**±.20	**128**±29		**14**	**0-3**
GUC	I	12 13 31 31.7	34.10S	70.49W	110	4.1D		**¶97i1688**
NEIC	I	12 13 31 32.5	34.09S	70.49W	100			
NEIC		Single network solution.						
ISC	**I**	**12 15 00 42**±1.2	**33.35S**±.085	**70.4W**±.16	**106**±14		**15**	**0-17**
NEIC	I	12 15 00 41.9	33.33S	70.41W	100	3.4b		**¶97i1698**
GUC	I	12 15 00 42.4	33.37S	70.46W	99	3.9D		
NEIC		Less reliable solution.						
ISC	**I**	**12 17 43 38**±1.0	**32.0S**±.12	**70.2W**±.20	**114**±22		**15**	**1-16**
NEIC	I	12 17 43 37.6	32.01S	70.40W	120	3.7b		**¶97i1720**
GUC	I	12 17 43 38.2	32.07S	70.44W	122	4.1D		
NEIC		Less reliable solution.						
ISC	**I**	**14 00 29 11**±4.3	**32.2S**±.35	**70.5W**±.29	**100**		**11**	**1-2**
GUC	I	14 00 29 02.8	31.64S	70.35W	129			**¶97i1921**
NEIC	I	14 00 29 10.0	32.11S	70.47W	100			
NEIC		Poor solution.						
ISC	**I**	**14 11 44 50**±3.4	**34.0S**±.11	**70.1W**±.24	**13**±12		**13**	**0-1**
NEIC	I	14 11 44 49.1	34.04S	70.07W	10			**¶97i1986**
GUC	I	14 11 44 50.4	34.02S	70.15W	8	4.0D		
NEIC		Single network solution.						
ISC	**I**	**15 08 24 07**±3.6	**33.2S**±.12	**71.0W**±.13	**69**±38		**11**	**0-1**
NEIC	I	15 08 24 07.0	33.25S	70.95W	70			**¶97i2123**
GUC	I	15 08 24 07.1	33.25S	70.93W	68	1.9D		
NEIC		Single network solution.						
ISC	**I**	**16 03 27 57**±1.4	**33.0S**±.13	**70.3W**±.23	**101**		**10**	**0-1**
GUC	I	16 03 27 56.9	32.98S	70.28W	101			**¶97i2251**
NEIC	I	16 03 27 57.0	32.97S	70.30W	100			
NEIC		Single network solution.						
ISC	**I**	**17 00 57 14**±6.0	**31.7S**±.37	**70.1W**±.29	**153**±53		**13**	**1-3**
GUC	I	17 00 57 19.1	32.00S	70.06W	125	3.7D		**¶97i2384**
NEIC	I	17 00 57 20.1	32.04S	70.15W	120			
NEIC		Poor solution.						
ISC	**I**	**17 22 32 12**±1.1	**24.33S**±.084	**67.05W**±.098	**169**±11	**4.1b**	**37**	**8-166**
NEIC	I	17 22 32 11.5	24.31S	67.10W	167	4.5b		**¶97i2549**
EIDC	I	17 22 32 12.9	24.3S	67.0W	168	4.1b		
BJI	I	17 22 32 15.0	24.30S	67.10W	167			
ISC	**I**	**19 09 40 21**±1.7	**33.29S**±.071	**71.0W**±.12	**63**±19		**14**	**0-3**
GUC	I	19 09 40 20.4	33.26S	70.93W	70	3.9D		**¶97i2815**
NEIC	I	19 09 40 20.4	33.27S	70.94W	70			
NEIC		Single network solution.						
ISC	**I**	**20 02 11 05**±3.0	**34.4S**±.14	**70.5W**±.21	**10**±8.8		**12**	**0-2**
GUC	I	20 02 11 04.1	34.46S	70.45W	5			**¶97i2926**
NEIC	I	20 02 11 04.8	34.41S	70.46W	10			
NEIC		Single network solution.						
ISC	**I**	**20 19 32 28**±8.1	**34.5S**±.41	**70.8W**±.23	**99**±59		**12**	**0-2**
NEIC	I	20 19 32 27.0	34.58S	70.78W	100			**¶97i3071**
GUC	I	20 19 32 28.0	34.53S	70.82W	95	3.2D		
NEIC		Poor solution.						
ISC	**I**	**22 07 18 13**±4.9	**34.6S**±.28	**70.6W**±.24	**4**±10		**12**	**0-2**
GUC	I	22 07 18 07.7	35.03S	70.47W	15	4.1D		**¶97i3290**
NEIC	I	22 07 18 14.1	34.56S	70.63W	10			
NEIC		Poor solution.						
ISC	**I**	**23 22 37 19**±1.9	**34.6S**±.19	**70.8W**±.23	**103**		**11**	**0-2**
GUC	I	23 22 37 19.0	34.68S	70.77W	103	3.0D		**¶97i3558**
NEIC	I	23 22 37 19.8	34.61S	70.77W	100			
NEIC		Single network solution.						
ISC	**I**	**24 20 27 22**±3.1	**34.4S**±.15	**70.5W**±.21	**10**±8.8		**13**	**0-2**
NEIC	I	24 20 27 20.6	34.51S	70.38W	5			**¶97i3684**
GUC	I	24 20 27 22.6	34.45S	70.51W	4			
NEIC		Single network solution.						
ISC	**I**	**26 21 19 36**±8.8	**32.5S**±.48	**70.4W**±.32	**94**±53		**12**	**0-2**
GUC	I	26 21 19 31.8	32.28S	70.25W	117	2.7D		**¶97i3998**
NEIC	I	26 21 19 34.5	32.42S	70.33W	100			
NEIC		Poor solution.						
ISC	**I**	**27 00 19 38**±2.7	**25.0S**±.19	**68.7W**±.13	**90**±20	**4.5b**	**33**	**7-151**
NEIC	I	27 00 19 41.1	24.89S	68.74W	118	4.5b		**¶97i4020**
EIDC	I	27 00 19 42.2	24.9S	68.8W	117	4.3b		
NEIC		Less reliable solution.						
ISC	**I**	**27 07 22 17**±2.1	**32.8S**±.19	**70.3W**±.41	**100**		**6**	**0-1**
NEIC	I	27 07 22 16.1	32.78S	70.30W	100			**¶97i4063**
GUC	I	27 07 22 16.6	32.83S	70.30W	98			
NEIC		Poor solution.						
ISC	**I**	**27 14 20 38**±3.3	**34.4S**±.15	**70.5W**±.22	**9**±9.5		**11**	**0-2**
NEIC	I	27 14 20 36.2	34.52S	70.39W	5			**¶97i4092**
GUC	I	27 14 20 37.3	34.47S	70.42W	5			
NEIC		Single network solution.						
ISC	**I**	**28 09 03 39**±3.5	**34.9S**±.34	**70.7W**±.32	**115**		**8**	**0-2**
NEIC	I	28 09 03 37.4	34.93S	70.62W	120			**¶97i4189**
GUC	I	28 09 03 38.3	34.88S	70.62W	115			
NEIC		Poor solution.						
ISC	**I**	**31 23 46 41**±5.9	**35.0S**±.52	**70.8W**±.29	**118**		**10**	**1-2**
NEIC	I	31 23 46 40.6	35.07S	70.72W	120			**¶97i4689**
GUC	I	31 23 46 42.2	34.96S	70.75W	118			
NEIC		Poor solution.						
ISC	**II**	**01 00 58 41**±3.9	**34.1S**±.12	**70.1W**±.26	**12**±13		**12**	**0-1**
GUC	II	01 00 58 40.9	34.08S	70.10W	8			**¶97ii0006**
ISC	**II**	**01 04 26 23**±10	**32.5S**±.66	**70.7W**±.25	**70**±49		**12**	**0-2**
GUC	II	01 04 26 17.4	32.08S	70.54W	93	2.6D		**¶97ii0018**
NEIC	II	01 04 26 18.2	32.15S	70.59W	90			
NEIC		Poor solution.						
ISC	**II**	**01 05 26 17**±6.7	**33.9S**±.14	**70.4W**±.29	**112**±60		**12**	**0-1**
NEIC	II	01 05 26 16.2	33.87S	70.32W	110			**¶97ii0025**
GUC	II	01 05 26 16.5	33.87S	70.38W	112	2.5D		
NEIC		Single network solution.						
ISC	**II**	**01 21 52 13**±1.5	**34.4S**±.16	**70.5W**±.24	**121**		**12**	**0-2**
NEIC	II	01 21 52 12.6	34.43S	70.45W	120			**¶97ii0128**
GUC	II	01 21 52 13.2	34.37S	70.49W	121			
NEIC		Poor solution.						
ISC	**II**	**02 03 05 13.2**±.45	**33.15S**±.070	**70.3W**±.12	**108**±5.3	**4.0b**	**29**	**0-145**
NEIC	II	02 03 05 12.7	33.13S	70.16W	102			**¶97ii0165**
EIDC	II	02 03 05 13.7	33.2S	70.3W	103	3.8b		
GUC	II	02 03 05 14.1	33.11S	70.39W	100	4.0D		
ISC	**II**	**02 21 37 52**±3.5	**33.5S**±.10	**70.5W**±.22	**97**±30		**13**	**0-1**
NEIC	II	02 21 37 51.2	33.46S	70.38W	100			**¶97ii0283**
GUC	II	02 21 37 51.6	33.44S	70.41W	99	2.7D		
NEIC		Single network solution.						
ISC	**II**	**03 01 23 51**±1.6	**32.7S**±.12	**70.6W**±.12	**6**±8.8		**12**	**0-2**
NEIC	II	03 01 23 46.6	32.46S	70.47W	5			**¶97ii0304**
GUC	II	03 01 23 50.2	32.62S	70.60W	5	3.5D		
NEIC		Single network solution.						
ISC	**II**	**03 06 58 02**±2.5	**32.9S**±.17	**70.2W**±.44	**100**		**7**	**0-1**
GUC	II	03 06 58 01.0	32.81S	70.17W	103			**¶97ii0333**
NEIC	II	03 06 58 01.6	32.86S	70.20W	100			
NEIC		Poor solution.						
ISC	**II**	**03 09 53 26**±6.1	**33.0S**±.17	**70.4W**±.29	**66**±56		**7**	**0-1**
NEIC	II	03 09 53 20.4	32.90S	70.21W	110			**¶97ii0358**
GUC	II	03 09 53 21.2	32.94S	70.19W	106			
NEIC		Poor solution.						
ISC	**II**	**03 10 17 59**±3.8	**33.79S**±.092	**70.7W**±.16	**85**±37		**13**	**0-1**
NEIC	II	03 10 17 58.1	33.80S	70.69W	90			**¶97ii0361**
GUC	II	03 10 17 58.8	33.79S	70.72W	84			
NEIC		Single network solution.						
ISC	**II**	**03 14 06 48**±3.5	**33.5S**±.11	**70.9W**±.16	**80**±37		**9**	**0-1**
NEIC	II	03 14 06 48.1	33.50S	70.91W	80			**¶97ii0385**
GUC	II	03 14 06 48.3	33.51S	70.89W	77			
NEIC		Single network solution.						
ISC	**II**	**04 06 14 03**±2.4	**33.39S**±.072	**70.8W**±.12	**58**±31		**12**	**0-1**
GUC	II	04 06 14 00.7	33.44S	70.81W	83			**¶97ii0474**
NEIC	II	04 06 14 00.8	33.40S	70.82W	80			
NEIC		Single network solution.						
ISC	**II**	**04 12 15 15**±2.6	**34.6S**±.16	**70.8W**±.14	**3**±10		**13**	**0-2**
GUC	II	04 12 15 06.9	35.10S	70.59W	1	4.0D		**¶97ii0517**
ISC	**II**	**04 12 19 10**±3.2	**34.6S**±.18	**70.8W**±.17	**3**±12		**11**	**0-2**
GUC	II	04 12 19 01.4	35.12S	70.58W	1	2.8D		**¶97ii0518**
ISC	**II**	**04 13 30 11**±6.2	**32.7S**±.32	**70.5W**±.24	**92**±41		**11**	**0-2**
NEIC	II	04 13 30 10.8	32.64S	70.43W	90			**¶97ii0528**
GUC	II	04 13 30 12.0	32.73S	70.46W	86	2.2D		
NEIC		Single network solution.						
ISC	**II**	**04 17 16 56**±2.1	**32.8S**±.16	**70.2W**±.28	**115**		**13**	**0-2**
NEIC	II	04 17 16 54.8	32.71S	70.07W	120			**¶97ii0568**
GUC	II	04 17 16 55.7	32.73S	70.12W	115	4.0D		
NEIC		Poor solution.						
ISC	**II**	**04 19 08 19**±6.0	**31.9S**±.47	**70.1W**±.51	**134**		**10**	**1-3**
NEIC	II	04 19 08 15.9	31.68S	70.01W	140			**¶97ii0586**
GUC	II	04 19 08 17.3	31.76S	70.04W	134			
NEIC		Poor solution.						
ISC	**II**	**04 19 49 34**±8.7	**36.3S**±.75	**70.2W**±.67	**217**		**12**	**2-4**
GUC	II	04 19 49 37.9	35.88S	70.43W	217			**¶97ii0590**
ISC	**II**	**05 01 46 54**±2.0	**34.2S**±.10	**70.5W**±.17	**17**±17		**8**	**0-1**
NEIC	II	05 01 46 53.6	34.17S	70.49W	15			**¶97ii0625**
GUC	II	05 01 46 54.1	34.15S	70.52W	15			
NEIC		Poor solution.						
ISC	**II**	**05 03 19 00**±6.9	**33.4S**±.11	**70.2W**±.36	**120**±57		**13**	**0-1**
GUC	II	05 03 18 59.5	33.43S	70.13W	118	3.6D		**¶97ii0630**
NEIC	II	05 03 18 59.6	33.44S	70.12W	115			
NEIC		Single network solution.						
ISC	**II**	**05 10 35 50**±3.4	**34.5S**±.17	**70.4W**±.23	**12**±9.5		**12**	**0-2**
NEIC	II	05 10 35 49.8	34.48S	70.39W	10			**¶97ii0676**
GUC	II	05 10 35 50.4	34.49S	70.42W	11	3.1D		
NEIC		Poor solution.						
ISC	**II**	**05 22 17 34.2**±.46	**34.54S**±.055	**70.29W**±.068	**113**±3.5	**4.7b**	**103**	**0-179**
BJI	II	05 22 17 33.0	34.80S	71.03W	104			**¶97ii0756**
MOS	II	05 22 17 33.1	34.7S	70.8W	100	5.1b		
NEIC	II	05 22 17 33.7	34.60S	70.36W	112	4.9b		
EIDC	II	05 22 17 35.3	34.5S	70.3W	112	4.6b		
GUC	II	05 22 17 35.8	34.48S	70.58W	110	4.6D		
ISC	**II**	**05 22 22 31**±7.3	**34.4S**±.30	**70.7W**±.26	**107**±58		**13**	**0-2**
GUC	II	05 22 22 30.4	34.48S	70.64W	111			**¶97ii0758**
NEIC	II	05 22 22 31.0	34.31S	70.59W	110			
NEIC		Poor solution.						
ISC	**II**	**06 01 53 44**±1.7	**34.5S**±.17	**70.5W**±.24	**121**		**13**	**0-2**
NEIC	II	06 01 53 43.4	34.52S	70.48W	120			**¶97ii0783**
GUC	II	06 01 53 43.8	34.48S	70.51W	121	3.5D		
NEIC		Poor solution.						
ISC	**II**	**06 04 40 53**±3.8	**34.5S**±.18	**70.4W**±.24	**11**±10		**12**	**0-2**
NEIC	II	06 04 40 50.2	34.59S	70.29W	5			**¶97ii0796**
GUC	II	06 04 40 53.1	34.47S	70.43W	5	3.1D		
NEIC		Single network solution.						
ISC	**II**	**06 15 22 27**±3.0	**34.4S**±.16	**70.5W**±.21	**12**±8.9		**12**	**0-2**
NEIC	II	06 15 22 25.9	34.48S	70.45W	10			**¶97ii0861**
GUC	II	06 15 22 26.5	34.47S	70.44W	11	3.5D		
NEIC		Single network solution.						
ISC	**II**	**06 17 58 33**±3.7	**34.5S**±.18	**70.4W**±.29	**20**		**10**	**0-2**
GUC	II	06 17 58 32.8	34.50S	70.37W	17	3.0D		**¶97ii0884**
NEIC	II	06 17 58 35.3	34.33S	70.44W	20			
NEIC		Poor solution.						
ISC	**II**	**06 19 05 30**±2.6	**35.0S**±.24	**70.4W**±.35	**150**		**13**	**1-2**
NEIC	II	06 19 05 29.0	35.00S	70.30W	150			**¶97ii0892**
GUC	II	06 19 05 30.4	34.90S	70.42W	150	3.3D		
NEIC		Poor solution.						
ISC	**II**	**07 00 03 10**±4.6	**32.0S**±.39	**70.7W**±.29	**112**		**12**	**1-3**
NEIC	II	07 00 03 09.2	31.94S	70.65W	110			**¶97ii0921**
GUC	II	07 00 03 10.4	32.04S	70.62W	112	2.5D		
NEIC		Poor solution.						
ISC	**II**	**07 00 27 40**±4.8	**34.5S**±.21	**70.4W**±.26	**12**±13		**12**	**0-2**
NEIC	II	07 00 27 40.0	34.52S	70.35W	10			**¶97ii0923**
GUC	II	07 00 27 40.8	34.49S	70.41W	6	2.8D		
NEIC		Single network solution.						
ISC	**II**	**07 11 32 05**±3.9	**34.0S**±.13	**70.7W**±.20	**104**±35		**12**	**0-1**
NEIC	II	07 11 32 05.4	33.95S	70.70W	100			**¶97ii0984**
GUC	II	07 11 32 05.9	33.95S	70.70W	96	2.3D		
NEIC		Single network solution.						

ISC	**II**	**07 13 32 09**±1.9	**33.14S**±.079	**70.3W**±.16	**8**±10		**11**	**0-2**
NEIC	II	07 13 32 08.9	33.13S	70.27W	10			¶97ii0992
GUC	II	07 13 32 09.3	33.16S	70.37W	0	3.3D		
NEIC	Single network solution.							
ISC	**II**	**08 16 29 18**±1.6	**23.5S**±.10	**67.7W**±.14	**171**±16	**3.4b**	**10**	**6-93**
NEIC	II	08 16 29 15.9	23.55S	67.77W	150	4.5b		¶97ii1171
EIDC	II	08 16 29 18.3	23.4S	67.7W	160	3.4b		
NEIC	Less reliable solution.							
ISC	**II**	**08 20 28 37**±2.2	**33.22S**±.086	**70.5W**±.15	**46**±29		**11**	**0-1**
NEIC	II	08 20 28 30.6	33.05S	70.28W	100			¶97ii1202
GUC	II	08 20 28 32.2	33.20S	70.40W	100			
NEIC	Poor solution.							
ISC	**II**	**09 01 16 53**±6.1	**33.1S**±.19	**70.4W**±.32	**99**±48		**10**	**0-2**
NEIC	II	09 01 16 51.9	33.07S	70.35W	100			¶97ii1231
GUC	II	09 01 16 52.2	33.08S	70.37W	99	2.5D		
NEIC	Single network solution.							
ISC	**II**	**09 03 30 02**±6.7	**32.6S**±.39	**70.7W**±.25	**72**±46		**11**	**0-2**
GUC	II	09 03 30 00.1	32.49S	70.63W	80	2.5D		¶97ii1247
NEIC	II	09 03 30 00.3	32.52S	70.67W	80			
NEIC	Single network solution.							
ISC	**II**	**09 05 38 41**±8.4	**34.5S**±.39	**70.5W**±.33	**116**±60		**12**	**0-2**
NEIC	II	09 05 38 37.7	34.69S	70.39W	130			¶97ii1262
GUC	II	09 05 38 39.1	34.58S	70.47W	130	3.0D		
NEIC	Poor solution.							
ISC	**II**	**09 13 56 36**±7.1	**31.9S**±.59	**70.7W**±.34	**120**		**10**	**1-3**
NEIC	II	09 13 56 33.4	31.66S	70.62W	120			¶97ii1314
GUC	II	09 13 56 34.0	31.70S	70.59W	118			
NEIC	Poor solution.							
ISC	**II**	**09 15 44 07**±3.8	**34.5S**±.18	**70.4W**±.26	**11**±11		**9**	**0-1**
GUC	II	09 15 44 06.0	34.47S	70.41W	6			¶97ii1327
NEIC	II	09 15 44 06.0	34.47S	70.41W	10			
NEIC	Poor solution.							
ISC	**II**	**09 18 59 54**±1.6	**33.16S**±.069	**70.3W**±.15	**11**		**8**	**0-1**
GUC	II	09 18 59 52.8	33.16S	70.22W	11			¶97ii1347
NEIC	II	09 18 59 53.5	33.17S	70.33W	10			
ISC	**II**	**10 03 36 38**±7.4	**33.5S**±.11	**70.2W**±.37	**117**±63		**12**	**0-1**
GUC	II	10 03 36 37.9	33.52S	70.16W	112	2.3D		¶97ii1407
NEIC	II	10 03 36 38.0	33.52S	70.17W	110			
NEIC	Single network solution.							
ISC	**II**	**10 07 22 23**±4.3	**31.9S**±.35	**70.2W**±.40	**140**		**12**	**1-3**
NEIC	II	10 07 22 21.0	31.81S	70.06W	140			¶97ii1429
GUC	II	10 07 22 21.9	31.85S	70.15W	140	2.5D		
NEIC	Poor solution.							
ISC	**II**	**10 12 07 54**±4.3	**31.8S**±.36	**70.4W**±.47	**143**		**11**	**1-3**
GUC	II	10 12 07 52.2	31.74S	70.22W	143	2.1D		¶97ii1455
NEIC	II	10 12 07 53.0	31.79S	70.26W	140			
NEIC	Poor solution.							
ISC	**II**	**10 21 48 39**±5.5	**34.5S**±.28	**70.7W**±.26	**87**±39		**13**	**0-2**
NEIC	II	10 21 48 37.0	34.61S	70.65W	95			¶97ii1527
GUC	II	10 21 48 37.5	34.57S	70.65W	96	3.1D		
NEIC	Poor solution.							
ISC	**II**	**11 23 46 43.6**±.72	**31.53S**±.062	**70.97W**±.094	**79**±9.6	**4.3b**	**46**	**1-152**
NEIC	II	11 23 46 42.1	31.43S	71.00W	59	4.7b		¶97ii1687
EIDC	II	11 23 46 43.2	31.5S	71.0W	62	4.2b		
GUC	II	11 23 46 44.0	31.64S	71.30W	32	4.8D		
ISC	**II**	**12 01 46 30**±3.5	**34.1S**±.13	**70.9W**±.16	**82**±34		**12**	**0-1**
NEIC	II	12 01 46 29.8	34.06S	70.84W	80			¶97ii1701
GUC	II	12 01 46 30.2	34.04S	70.86W	77	2.5D		
NEIC	Single network solution.							
ISC	**II**	**12 16 15 13**±5.9	**33.9S**±.21	**70.8W**±.51	**100**±52		**6**	**0-1**
NEIC	II	12 16 15 12.4	33.95S	70.72W	100			¶97ii1789
GUC	II	12 16 15 12.5	33.99S	70.65W	101			
NEIC	Poor solution.							
ISC	**II**	**13 01 21 07**±9.0	**36.1S**±.78	**70.5W**±.63	**204**		**11**	**2-3**
GUC	II	13 01 21 10.7	35.82S	70.57W	204			¶97ii1851
ISC	**II**	**13 15 58 43**±5.9	**33.2S**±.16	**69.1W**±.49	**10**		**9**	**1-2**
GUC	II	13 15 58 39.7	33.16S	68.78W	7	2.9D		¶97ii1945
NEIC	II	13 15 58 43.5	33.21S	69.10W	10			
NEIC	Poor solution.							
ISC	**II**	**14 03 06 43**±5.2	**33.2S**±.12	**70.6W**±.25	**80**±49		**9**	**0-1**
GUC	II	14 03 06 43.6	33.23S	70.54W	63			¶97ii2012
NEIC	II	14 03 06 44.3	33.24S	70.58W	60			
NEIC	Single network solution.							
ISC	**II**	**14 07 58 18**±4.6	**31.9S**±.39	**70.2W**±.51	**143**		**9**	**1-2**
NEIC	II	14 07 58 16.0	31.76S	70.12W	150			¶97ii2041
GUC	II	14 07 58 16.8	31.82S	70.02W	143			
NEIC	Poor solution.							
ISC	**II**	**14 14 25 11**±9.1	**32.5S**±.54	**70.6W**±.32	**84**±48		**10**	**0-2**
NEIC	II	14 14 25 03.1	31.98S	70.41W	120			¶97ii2064
GUC	II	14 14 25 04.3	32.13S	70.35W	122	2.9D		
NEIC	Poor solution.							
ISC	**II**	**14 22 25 21**±5.7	**34.2S**±.21	**70.5W**±.26	**104**±46		**11**	**0-2**
GUC	II	14 22 25 19.2	34.29S	70.45W	117			¶97ii2125
NEIC	II	14 22 25 19.2	34.26S	70.45W	115			
NEIC	Poor solution.							
ISC	**II**	**14 23 32 23**±2.8	**30.9S**±.37	**70.2W**±.61	**188**±35	4.3b	**11**	**2-100**
GUC	II	14 23 32 19.9	30.70S	70.07W	199			¶97ii2134
ISC	**II**	**15 02 24 03**±6.6	**35.6S**±.55	**70.2W**±.55	**180**		**11**	**1-3**
NEIC	II	15 02 24 02.2	35.59S	70.19W	180			¶97ii2162
GUC	II	15 02 24 03.6	35.45S	70.40W	186			
NEIC	Poor solution.							
ISC	**II**	**15 14 45 10**±7.9	**32.6S**±.41	**70.4W**±.32	**96**±51		**12**	**0-2**
NEIC	II	15 14 45 03.8	32.29S	70.13W	130			¶97ii2249
GUC	II	15 14 45 04.9	32.34S	70.23W	127	2.5D		
NEIC	Poor solution.							
ISC	**II**	**15 17 50 47**±1.7	**24.2S**±.12	**67.0W**±.15	**184**±19	**4.2b**	**10**	**8-145**
EIDC	II	15 17 50 47.6	24.1S	66.9W	170	3.8b		¶97ii2272
NEIC	II	15 17 50 47.9	24.19S	66.99W	200	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**16 01 56 03**±5.7	**34.0S**±.17	**70.3W**±.32	**106**±44		**12**	**0-1**
NEIC	II	16 01 56 00.2	34.11S	70.18W	120			¶97ii2325
GUC	II	16 01 56 01.1	34.05S	70.19W	116			
NEIC	Single network solution.							
ISC	**II**	**16 07 32 49**±4.1	**32.5S**±.30	**70.0W**±.44	**117**		**10**	**1-2**
NEIC	II	16 07 32 47.4	32.40S	69.93W	120			¶97ii2354
GUC	II	16 07 32 48.9	32.46S	70.03W	117			
NEIC	Poor solution.							
GUC	**II**	**17 11 51 14.4**	**27.96S**	**68.67W**	**346**			¶97ii2484
ISC	**II**	**17 12 23 55**±1.6	**34.3S**±.19	**70.4W**±.27	**124**		**8**	**0-1**
GUC	II	17 12 23 54.4	34.26S	70.39W	124			¶97ii2494
NEIC	II	17 12 23 54.4	34.30S	70.38W	120			
NEIC	Poor solution.							
ISC	**II**	**17 14 31 40**±8.0	**34.4S**±.31	**70.5W**±.29	**115**±63		**12**	**0-2**
NEIC	II	17 14 31 38.3	34.44S	70.46W	120			¶97ii2503
GUC	II	17 14 31 38.6	34.41S	70.49W	122	2.5D		
NEIC	Poor solution.							
ISC	**II**	**17 20 23 16**±7.1	**31.4S**±.46	**70.2W**±.34	**163**±51		**13**	**1-3**
GUC	II	17 20 23 23.7	31.84S	70.31W	126	2.7D		¶97ii2539
NEIC	II	17 20 23 23.8	31.84S	70.34W	125			
NEIC	Poor solution.							
ISC	**II**	**17 20 50 10**±5.2	**32.8S**±.28	**70.9W**±.17	**70**±42		**12**	**0-2**
NEIC	II	17 20 50 09.8	32.80S	70.93W	70			¶97ii2544
GUC	II	17 20 50 10.1	32.81S	70.92W	69	2.9D		
NEIC	Single network solution.							
ISC	**II**	**18 03 37 18**±4.5	**32.1S**±.39	**70.9W**±.28	**100**		**11**	**1-2**
NEIC	II	18 03 37 17.2	32.10S	70.85W	100			¶97ii2596
GUC	II	18 03 37 18.2	32.16S	70.84W	95			
NEIC	Poor solution.							
ISC	**II**	**18 04 11 05**±2.9	**34.5S**±.15	**70.5W**±.21	**9**±9.2		**12**	**0-2**
NEIC	II	18 04 11 02.6	34.55S	70.37W	5			¶97ii2598
GUC	II	18 04 11 04.1	34.48S	70.41W	5	3.1D		
NEIC	Single network solution.							
ISC	**II**	**18 06 30 27**±4.1	**32.2S**±.35	**70.7W**±.28	**99**		**10**	**1-2**
NEIC	II	18 06 30 26.2	32.11S	70.71W	100			¶97ii2610
GUC	II	18 06 30 26.6	32.14S	70.67W	99			
NEIC	Poor solution.							
ISC	**II**	**18 15 26 32**±1.8	**33.15S**±.077	**70.3W**±.15	**9**±9.5		**12**	**0-2**
GUC	II	18 15 26 31.6	33.14S	70.23W	8	3.1D		¶97ii2663
NEIC	II	18 15 26 32.0	33.15S	70.27W	10			
NEIC	Single network solution.							
ISC	**II**	**19 05 59 33**±7.7	**34.1S**±.24	**70.5W**±.30	**121**±64		**11**	**0-1**
GUC	II	19 05 59 34.4	34.11S	70.45W	109			¶97ii2736
NEIC	II	19 05 59 35.5	34.07S	70.49W	100			
NEIC	Single network solution.							
ISC	**II**	**19 10 11 41**±3.2	**34.5S**±.16	**70.5W**±.22	**10**±9.1		**11**	**0-2**
NEIC	II	19 10 11 38.2	34.55S	70.38W	5			¶97ii2764
GUC	II	19 10 11 39.5	34.49S	70.40W	6			
NEIC	Single network solution.							
ISC	**II**	**19 12 19 16**±7.0	**31.6S**±.55	**70.1W**±.46	**150**		**12**	**1-3**
NEIC	II	19 12 19 15.2	31.49S	70.07W	150			¶97ii2790
GUC	II	19 12 19 17.8	31.67S	70.08W	142	3.0D		
NEIC	Poor solution.							
GUC	**II**	**19 23 54 13.5**	**30.79S**	**70.59W**	**2**	**3.7D**		¶97ii2855
GUC	**II**	**20 01 29 41.7**	**30.79S**	**70.51W**	**2**	**3.6D**		¶97ii2859
ISC	**II**	**20 05 05 38**±3.2	**32.4S**±.26	**70.2W**±.32	**120**		**12**	**0-2**
NEIC	II	20 05 05 36.7	32.39S	70.17W	120			¶97ii2879
GUC	II	20 05 05 37.3	32.43S	70.20W	120	2.8D		
NEIC	Poor solution.							
ISC	**II**	**20 07 23 16**±8.2	**32.5S**±.45	**70.4W**±.36	**89**±49		**10**	**0-2**
GUC	II	20 07 23 10.6	32.23S	70.23W	114	2.7D		¶97ii2893
NEIC	II	20 07 23 10.9	32.25S	70.22W	110			
NEIC	Poor solution.							
ISC	**II**	**20 22 20 11**±2.2	**32.8S**±.17	**70.2W**±.30	**110**		**11**	**0-2**
GUC	II	20 22 20 10.9	32.78S	70.20W	110			¶97ii2985
NEIC	II	20 22 20 11.7	32.81S	70.15W	100			
NEIC	Poor solution.							
ISC	**II**	**21 04 33 25**±2.2	**33.7S**±.11	**70.4W**±.22	**18**±34		**5**	**0-0**
GUC	II	21 04 33 24.0	33.73S	70.40W	16			¶97ii3014
NEIC	II	21 04 33 24.5	33.73S	70.40W	15			
ISC	Poorly determined							
NEIC	Single network solution.							
ISC	**II**	**21 07 13 01**±5.1	**33.1S**±.17	**70.8W**±.18	**96**±46		**12**	**0-2**
GUC	II	21 07 13 02.2	33.09S	70.74W	80	1.9D		¶97ii3034
NEIC	II	21 07 13 02.4	33.13S	70.75W	80			
NEIC	Single network solution.							
ISC	**II**	**21 11 44 04**±6.7	**34.6S**±.29	**70.3W**±.37	**7**±16		**9**	**1-2**
GUC	II	21 11 44 01.9	34.77S	70.14W	7	3.3D		¶97ii3065
NEIC	II	21 11 44 04.3	34.60S	70.26W	5			
NEIC	Poor solution.							
ISC	**II**	**21 17 31 14**±2.7	**34.5S**±.14	**70.5W**±.18	**9**±7.4		**13**	**0-2**
NEIC	II	21 17 31 12.2	34.54S	70.39W	5			¶97ii3103
GUC	II	21 17 31 13.9	34.47S	70.43W	7	3.8D		
NEIC	Single network solution.							
ISC	**II**	**22 16 38 33**±7.6	**34.4S**±.34	**70.6W**±.32	**106**±55		**12**	**0-2**
NEIC	II	22 16 38 32.1	34.46S	70.53W	110			¶97ii3224
GUC	II	22 16 38 32.5	34.41S	70.54W	112	3.3D		
NEIC	Poor solution.							
ISC	**II**	**23 08 23 21**±4.6	**34.4S**±.21	**70.7W**±.19	**87**±37		**12**	**0-2**
NEIC	II	23 08 23 20.4	34.44S	70.70W	90			¶97ii3307
GUC	II	23 08 23 20.6	34.42S	70.71W	92	2.8D		
NEIC	Single network solution.							
ISC	**II**	**23 12 08 09**±4.1	**34.5S**±.19	**70.4W**±.27	**13**±14		**8**	**0-1**
NEIC	II	23 12 08 07.6	34.49S	70.38W	10			¶97ii3327
GUC	II	23 12 08 08.5	34.49S	70.38W	15			
NEIC	Poor solution.							
ISC	**II**	**23 14 37 53**±3.1	**34.4S**±.15	**70.5W**±.21	**10**±8.9		**12**	**0-2**
NEIC	II	23 14 37 51.0	34.53S	70.38W	5			¶97ii3340
GUC	II	23 14 37 52.5	34.47S	70.43W	6	3.5D		
NEIC	Single network solution.							
ISC	**II**	**23 23 08 31**±4.2	**35.2S**±.38	**70.8W**±.32	**118**		**11**	**1-2**
GUC	II	23 23 08 30.6	35.18S	70.90W	118			¶97ii3387
ISC	**II**	**24 00 42 42**±4.0	**32.4S**±.29	**70.1W**±.42	**111**		**10**	**1-2**
NEIC	II	24 00 42 39.9	32.23S	69.94W	110			¶97ii3392
GUC	II	24 00 42 40.6	32.29S	69.97W	111	2.6D		
NEIC	Poor solution.							
ISC	**II**	**24 03 51 52**±6.5	**34.6S**±.28	**70.3W**±.40	**9**±15		**8**	**0-1**
NEIC	II	24 03 51 50.7	34.60S	70.28W	5			¶97ii3418
GUC	II	24 03 51 52.1	34.57S	70.38W	6			
NEIC	Poor solution.							
ISC	**II**	**24 04 50 52**±3.3	**34.2S**±.14	**69.8W**±.21	**5**		**12**	**1-2**
GUC	II	24 04 50 50.0	34.26S	69.72W	1	3.5D		¶97ii3429
NEIC	II	24 04 50 53.3	34.13S	69.92W	5			
NEIC	Single network solution.							
ISC	**II**	**24 14 26 31**±3.8	**34.4S**±.18	**70.5W**±.29	**10**±11		**9**	**0-1**
GUC	II	24 14 26 30.6	34.49S	70.41W	15	3.0D		¶97ii3489
NEIC	II	24 14 26 32.1	34.36S	70.46W	15			
NEIC	Poor solution.							
ISC	**II**	**24 19 08 52**±1.8	**33.15S**±.082	**70.3W**±.22	**8**±12		**9**	**0-2**
GUC	II	24 19 08 51.2	33.15S	70.27W	5			¶97ii3530
NEIC	II	24 19 08 51.7	33.16S	70.34W	5			
NEIC	Single network solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**24 21 09 28**±2.2	**33.48S**±.056	**70.1W**±.19	**10**		**12**	**0-1**
NEIC	II	24 21 09 27.7	33.47S	70.06W	10			¶97ii3540
GUC	II	24 21 09 28.2	33.46S	70.09W	11			
NEIC	Single network solution.							
ISC	**II**	**25 02 53 55**±6.2	**33.9S**±.15	**70.4W**±.30	**120**±53		**12**	**0-1**
NEIC	II	25 02 53 54.8	33.93S	70.38W	115			¶97ii3574
GUC	II	25 02 53 55.0	33.92S	70.41W	117	2.6D		
NEIC	Single network solution.							
ISC	**II**	**25 10 15 37**±3.1	**32.4S**±.26	**70.3W**±.30	**120**		**12**	**0-2**
NEIC	II	25 10 15 35.9	32.38S	70.24W	120			¶97ii3610
GUC	II	25 10 15 36.0	32.36S	70.26W	118	3.3D		
NEIC	Poor solution.							
ISC	**II**	**25 17 45 49**±1.9	**33.0S**±.14	**70.1W**±.30	**122**		**12**	**0-2**
NEIC	II	25 17 45 48.4	32.99S	70.00W	120			¶97ii3669
GUC	II	25 17 45 49.0	33.02S	70.09W	122	2.6D		
NEIC	Single network solution.							
ISC	**II**	**26 04 26 35**±4.3	**34.3S**±.18	**70.9W**±.18	**68**±40		**11**	**0-2**
GUC	II	26 04 26 33.5	34.28S	70.94W	84			¶97ii3740
ISC	**II**	**26 20 20 24**±3.5	**34.5S**±.17	**70.5W**±.28	**10**±11		**9**	**0-1**
NEIC	II	26 20 20 22.6	34.51S	70.42W	5			¶97ii3849
GUC	II	26 20 20 23.2	34.48S	70.42W	5			
NEIC	Poor solution.							
ISC	**II**	**27 02 46 07**±1.5	**24.0S**±.11	**67.0W**±.13	**228**±14	**3.5b**	**13**	**7-144**
NEIC	II	27 02 46 06.5	23.97S	67.02W	222			¶97ii3896
EIDC	II	27 02 46 07.1	23.9S	67.0W	216	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**01 01 03 48**±1.7	**32.8S**±.15	**70.3W**±.27	**107**		**12**	**0-2**
NEIC	III	01 01 03 47.1	32.77S	70.23W	110			¶97iii0008
GUC	III	01 01 03 47.9	32.80S	70.26W	107	2.5D		
NEIC	Single network solution.							
ISC	**III**	**01 12 00 11**±3.3	**32.0S**±.23	**70.9W**±.28	**91**±30		**13**	**1-3**
NEIC	III	01 12 00 11.1	32.00S	70.81W	90			¶97iii0103
GUC	III	01 12 00 13.2	32.16S	70.82W	90	3.5D		
NEIC	Less reliable solution.							
ISC	**III**	**01 21 38 19**±2.1	**32.8S**±.11	**70.8W**±.17	**84**±21		**13**	**0-2**
NEIC	III	01 21 38 19.3	32.83S	70.75W	80			¶97iii0192
GUC	III	01 21 38 19.7	32.85S	70.78W	77	4.0D		
ISC	**III**	**02 06 27 51**±4.4	**32.3S**±.33	**70.2W**±.36	**100**		**11**	**1-2**
NEIC	III	02 06 27 49.7	32.15S	70.18W	100			¶97iii0253
GUC	III	02 06 27 49.8	32.16S	70.18W	102	2.9D		
NEIC	Poor solution.							
ISC	**III**	**02 11 19 18**±4.4	**33.37S**±.079	**69.9W**±.31	**13**±15		**12**	**0-2**
NEIC	III	02 11 19 16.7	33.37S	69.83W	10			¶97iii0290
GUC	III	02 11 19 18.4	33.37S	69.97W	8			
NEIC	Single network solution.							
ISC	**III**	**04 03 00 45**±3.4	**34.4S**±.16	**70.5W**±.24	**9**±9.6		**12**	**0-2**
NEIC	III	04 03 00 42.8	34.52S	70.38W	5			¶97iii0760
GUC	III	04 03 00 44.3	34.47S	70.45W	4	3.4D		
NEIC	Poor solution.							
ISC	**III**	**04 07 53 08.8**±.74	**24.15S**±.047	**67.08W**±.065	**162**±8.1	**4.7b**	**87**	**7-166**
NEIC	III	04 07 53 10.3	24.24S	67.07W	180	4.9b		¶97iii0808
MOS	III	04 07 53 11.3	24.4S	68.0W	169	4.9b		
EIDC	III	04 07 53 11.3	24.1S	67.0W	172	4.3b		
ISC	**III**	**04 10 43 50**±3.9	**34.5S**±.18	**70.4W**±.26	**11**±10		**9**	**0-1**
GUC	III	04 10 43 49.3	34.52S	70.38W	15			¶97iii0832
NEIC	III	04 10 43 49.5	34.46S	70.41W	10			
NEIC	Poor solution.							
ISC	**III**	**05 03 57 51**±3.8	**33.8S**±.11	**70.6W**±.19	**83**±37		**11**	**0-1**
GUC	III	05 03 57 48.6	33.81S	70.48W	104	2.1D		¶97iii0975
NEIC	III	05 03 57 48.9	33.90S	70.51W	100			
NEIC	Single network solution.							
ISC	**III**	**05 08 22 10**±2.5	**34.8S**±.24	**70.8W**±.27	**119**		**12**	**0-2**
NEIC	III	05 08 22 09.6	34.82S	70.71W	120			¶97iii1018
GUC	III	05 08 22 09.8	34.83S	70.76W	119	3.2D		
NEIC	Poor solution.							
ISC	**III**	**05 11 46 41**±6.1	**32.6S**±.37	**70.8W**±.18	**71**±42		**12**	**0-2**
GUC	III	05 11 46 39.0	32.40S	70.79W	75	2.8D		¶97iii1052
NEIC	III	05 11 46 39.4	32.46S	70.78W	80			
NEIC	Single network solution.							
ISC	**III**	**05 17 42 45**±1.3	**33.18S**±.076	**70.4W**±.13	**9**±10		**11**	**0-2**
GUC	III	05 17 42 44.3	33.16S	70.28W	5	3.1D		¶97iii1110
NEIC	III	05 17 42 45.0	33.18S	70.36W	5			
NEIC	Single network solution.							
ISC	**III**	**06 02 06 03**±3.7	**32.2S**±.29	**70.2W**±.36	**127**		**12**	**1-2**
NEIC	III	06 02 06 01.1	32.15S	70.00W	130			¶97iii1166
GUC	III	06 02 06 01.8	32.17S	70.08W	127	2.7D		
NEIC	Poor solution.							
ISC	**III**	**06 02 24 20**±3.8	**33.1S**±.13	**69.3W**±.29	**3**		**13**	**1-2**
GUC	III	06 02 24 16.6	33.05S	69.04W	3	3.8D		¶97iii1170
NEIC	III	06 02 24 20.6	33.13S	69.37W	5			
NEIC	Poor solution.							
ISC	**III**	**06 08 01 49**±3.6	**33.1S**±.14	**70.6W**±.19	**77**±35		**12**	**0-2**
GUC	III	06 08 01 46.8	33.08S	70.49W	93	2.2D		¶97iii1231
NEIC	III	06 08 01 47.0	33.06S	70.49W	90			
NEIC	Single network solution.							
ISC	**III**	**06 12 07 18**±3.8	**33.36S**±.079	**69.9W**±.27	**14**±14		**13**	**0-2**
NEIC	III	06 12 07 16.9	33.36S	69.88W	10			¶97iii1267
GUC	III	06 12 07 17.7	33.37S	69.94W	8	3.1D		
NEIC	Single network solution.							
ISC	**III**	**06 15 47 03**±7.1	**31.3S**±.66	**70.5W**±.92	**210**		**8**	**1-3**
GUC	III	06 15 46 58.7	31.07S	69.84W	210			¶97iii1305
ISC	**III**	**06 18 35 54**±1.5	**33.16S**±.081	**70.3W**±.20	**8**±14		**9**	**0-2**
GUC	III	06 18 35 53.6	33.17S	70.32W	3			¶97iii1331
NEIC	III	06 18 35 53.7	33.16S	70.36W	5			
NEIC	Single network solution.							
ISC	**III**	**07 19 15 48**±1.8	**24.0S**±.13	**67.1W**±.17	**234**±19	3.8b	**7**	**8-88**
NEIC	III	07 19 15 47.7	23.94S	67.06W	231	4.4b		¶97iii1581
EIDC	III	07 19 15 49.4	23.9S	67.0W	231	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**07 20 24 28**±8.8	**34.4S**±.40	**70.5W**±.38	**125**±63		**11**	**0-2**
GUC	III	07 20 24 26.6	34.49S	70.41W	134	2.5D		¶97iii1599
ISC	**III**	**08 00 20 18**±1.9	**34.6S**±.18	**70.5W**±.27	**126**		**12**	**0-2**
GUC	III	08 00 20 18.2	34.58S	70.49W	126	3.0D		¶97iii1627
ISC	**III**	**08 08 33 34**±14	**31.7S**±.96	**70.9W**±.29	**95**±48		**12**	**1-3**
GUC	III	08 08 33 30.3	31.40S	70.45W	72	3.3D		¶97iii1712
ISC	**III**	**08 13 03 33**±6.1	**34.3S**±.21	**70.6W**±.26	**98**±49		**9**	**0-1**
GUC	III	08 13 03 32.0	34.29S	70.57W	106			¶97iii1753
ISC	**III**	**09 15 56 43**±9.0	**34.8S**±.46	**70.7W**±.28	**93**±61		**9**	**0-1**
GUC	III	09 15 56 40.5	34.94S	70.66W	110			¶97iii2016
ISC	**III**	**10 05 01 41**±7.1	**33.2S**±.14	**70.5W**±.44	**98**±63		**7**	**0-1**
NEIC	III	10 05 01 40.5	33.23S	70.43W	100			¶97iii2150
GUC	III	10 05 01 41.0	33.24S	70.42W	97			
NEIC	Single network solution.							
ISC	**III**	**10 09 30 14**±2.4	**34.7S**±.21	**70.3W**±.30	**131**		**14**	**1-3**
NEIC	III	10 09 30 14.1	34.72S	70.37W	130			¶97iii2186
GUC	III	10 09 30 15.1	34.63S	70.43W	131	4.1D		
NEIC	Poor solution.							
ISC	**III**	**10 11 16 59**±4.5	**31.9S**±.34	**70.0W**±.40	**147**		**13**	**1-3**
NEIC	III	10 11 16 56.9	31.75S	69.95W	150			¶97iii2203
GUC	III	10 11 16 57.3	31.78S	69.95W	147	3.3D		
NEIC	Poor solution.							
ISC	**III**	**10 12 42 01**±7.5	**33.0S**±.25	**70.4W**±.33	**104**±58		**11**	**0-2**
NEIC	III	10 12 42 00.9	33.02S	70.42W	100			¶97iii2211
GUC	III	10 12 42 01.1	33.01S	70.43W	100			
NEIC	Single network solution.							
ISC	**III**	**11 08 01 06**±5.1	**33.1S**±.16	**70.4W**±.25	**91**±42		**12**	**0-2**
NEIC	III	11 08 01 04.3	33.11S	70.30W	100			¶97iii2338
GUC	III	11 08 01 04.6	33.11S	70.32W	100	3.0D		
NEIC	Single network solution.							
ISC	**III**	**12 01 32 56**±3.6	**32.3S**±.28	**70.1W**±.35	**118**		**11**	**1-2**
NEIC	III	12 01 32 54.6	32.29S	70.08W	120			¶97iii2466
GUC	III	12 01 32 55.2	32.29S	70.16W	118	2.8D		
NEIC	Poor solution.							
ISC	**III**	**12 18 45 49**±2.6	**33.2S**±.14	**70.3W**±.16	**6**±11		**9**	**0-1**
NEIC	III	12 18 45 49.3	33.22S	70.35W	5			¶97iii2577
GUC	III	12 18 45 49.7	33.26S	70.38W	0	3.0D		
NEIC	Single network solution.							
ISC	**III**	**12 22 12 50**±4.8	**34.2S**±.15	**70.1W**±.29	**10**±15		**12**	**0-2**
NEIC	III	12 22 12 48.6	34.23S	70.08W	5			¶97iii2596
GUC	III	12 22 12 49.5	34.22S	70.12W	5	3.7D		
NEIC	Single network solution.							
ISC	**III**	**13 14 23 40**±5.9	**32.0S**±.45	**70.2W**±.38	**120**		**13**	**1-3**
GUC	III	13 14 23 35.1	31.62S	70.04W	120	2.9D		¶97iii2716
NEIC	III	13 14 23 35.1	31.68S	70.06W	130			
NEIC	Poor solution.							
ISC	**III**	**13 16 50 42**±3.3	**34.5S**±.16	**70.4W**±.22	**10**±8.9		**13**	**0-103**
NEIC	III	13 16 50 39.9	34.55S	70.35W	5			¶97iii2738
GUC	III	13 16 50 42.1	34.46S	70.44W	6	3.7D		
NEIC	Single network solution.							
ISC	**III**	**14 03 32 17**±4.8	**31.9S**±.38	**70.2W**±.45	**140**		**11**	**1-3**
GUC	III	14 03 32 15.1	31.73S	69.95W	131	3.2D		¶97iii2807
NEIC	III	14 03 32 15.6	31.78S	70.12W	140			
NEIC	Poor solution.							
ISC	**III**	**14 12 54 50**±3.3	**34.2S**±.10	**70.2W**±.25	**12**±11		**10**	**0-1**
NEIC	III	14 12 54 49.0	34.26S	70.12W	10			¶97iii2882
GUC	III	14 12 54 49.4	34.24S	70.12W	8	3.0D		
NEIC	Poor solution.							
ISC	**III**	**14 12 55 35**±4.2	**34.2S**±.14	**70.2W**±.26	**13**±13		**11**	**0-2**
GUC	III	14 12 55 34.0	34.26S	70.11W	8	3.1D		¶97iii2883
NEIC	III	14 12 55 37.2	34.11S	70.28W	10			
NEIC	Single network solution.							
ISC	**III**	**14 14 04 05**±3.8	**34.2S**±.10	**70.1W**±.27	**9**±14		**12**	**0-2**
GUC	III	14 14 04 05.0	34.24S	70.14W	7	3.3D		¶97iii2891
NEIC	III	14 14 04 05.9	34.17S	70.18W	10			
NEIC	Single network solution.							
ISC	**III**	**14 14 16 33**±1.5	**34.21S**±.078	**70.3W**±.11	**14**±8.0		**14**	**0-2**
GUC	III	14 14 16 31.2	34.28S	70.10W	10	4.2D		¶97iii2895
NEIC	III	14 14 16 31.8	34.22S	70.14W	10			
NEIC	Single network solution.							
ISC	**III**	**14 14 50 27**±3.3	**34.2S**±.11	**70.2W**±.23	**12**±11		**13**	**0-2**
GUC	III	14 14 50 26.4	34.26S	70.12W	8	3.6D		¶97iii2901
NEIC	III	14 14 50 27.0	34.22S	70.16W	10			
NEIC	Single network solution.							
ISC	**III**	**14 21 22 08**±1.0	**33.29S**±.054	**70.7W**±.13	**4**±12		**8**	**0-102**
NEIC	III	14 21 22 06.2	33.10S	70.96W	70			¶97iii2949
GUC	III	14 21 22 06.4	33.18S	70.88W	68			
NEIC	Single network solution.							
ISC	**III**	**15 03 00 15**±1.4	**32.83S**±.099	**70.5W**±.15	**33**		**11**	**0-2**
NEIC	III	15 03 00 15.1	32.80S	70.55W	33			¶97iii2985
NEIC	Less reliable solution.							
ISC	**III**	**17 00 54 30**±6.8	**34.6S**±.35	**70.8W**±.20	**97**±49		**13**	**0-2**
NEIC	III	17 00 54 29.1	34.62S	70.76W	100			¶97iii3294
GUC	III	17 00 54 29.8	34.58S	70.77W	97	3.1D		
NEIC	Poor solution.							
ISC	**III**	**17 02 40 22**±2.9	**33.46S**±.079	**70.9W**±.13	**72**±32		**12**	**0-1**
GUC	III	17 02 40 21.5	33.45S	70.89W	75	2.5D		¶97iii3308
NEIC	III	17 02 40 21.5	33.46S	70.87W	75			
NEIC	Single network solution.							
ISC	**III**	**17 03 33 35**±5.8	**31.7S**±.34	**70.3W**±.30	**147**±51		**14**	**1-3**
GUC	III	17 03 33 39.2	31.96S	70.30W	113	3.6D		¶97iii3312
NEIC	III	17 03 33 41.1	32.11S	70.37W	110			
NEIC	Poor solution.							
ISC	**III**	**17 03 41 39**±3.1	**33.76S**±.054	**70.1W**±.21	**14**±16		**14**	**0-1**
NEIC	III	17 03 41 37.5	33.77S	69.99W	5			¶97iii3313
GUC	III	17 03 41 38.6	33.76S	70.08W	7	4.1D		
NEIC	Single network solution.							
ISC	**III**	**17 12 31 03**±5.4	**33.7S**±.10	**70.4W**±.28	**108**±46		**13**	**0-1**
NEIC	III	17 12 31 01.9	33.70S	70.32W	110			¶97iii3383
GUC	III	17 12 31 02.3	33.67S	70.37W	109	3.8D		
NEIC	Single network solution.							
ISC	**III**	**18 01 10 02**±3.8	**32.2S**±.33	**70.4W**±.36	**120**		**10**	**1-3**
GUC	III	18 01 10 01.3	32.08S	70.33W	119			¶97iii3461
NEIC	III	18 01 10 01.3	32.10S	70.33W	120			
NEIC	Poor solution.							
ISC	**III**	**18 03 09 55**±2.3	**34.9S**±.22	**70.6W**±.26	**123**		**13**	**0-2**
NEIC	III	18 03 09 55.0	34.85S	70.56W	120			¶97iii3479
GUC	III	18 03 09 55.3	34.82S	70.62W	123	3.3D		
NEIC	Poor solution.							
ISC	**III**	**19 03 03 16.4**±.53	**33.95S**±.070	**69.63W**±.095	**117**±6.2	**3.8b**	**30**	**1-91**
EIDC	III	19 03 03 15.6	33.8S	69.6W	91	3.7b		¶97iii3620
NEIC	III	19 03 03 16.3	33.95S	69.64W	115			
GUC	III	19 03 03 19.2	33.90S	70.10W	120	4.3D		
ISC	**III**	**19 15 08 53**±5.2	**34.3S**±.16	**70.1W**±.30	**9**±17		**12**	**0-2**
GUC	III	19 15 08 52.9	34.25S	70.12W	8	3.4D		¶97iii3723
NEIC	III	19 15 08 54.4	34.17S	70.20W	10			
NEIC	Single network solution.							
ISC	**III**	**19 17 28 38**±7.1	**34.5S**±.37	**71.0W**±.16	**81**±53		**13**	**0-2**
GUC	III	19 17 28 38.5	34.48S	70.96W	79	2.2D		¶97iii3739
NEIC	III	19 17 28 38.6	34.46S	70.95W	80			
NEIC	Single network solution.							

ISC	**III**	**19 17 37 41**±3.6	**31.7S**±.24	**70.8W**±.21	**137**±26		**18**	**1-9**	
NEIC	III	19 17 37 44.5	31.79S	70.71W	100			**¶97iii3741**	
GUC	III	19 17 37 46.4	31.93S	70.70W	96	4.1D			
NEIC	Less reliable solution.								
ISC	**III**	**20 04 50 03**±2.6	**34.4S**±.14	**70.4W**±.18	**9**±7.2		**13**	**0-2**	
NEIC	III	20 04 50 00.7	34.53S	70.38W	5			**¶97iii3837**	
GUC	III	20 04 50 01.9	34.49S	70.41W	5	3.7D			
NEIC	Single network solution.								
ISC	**III**	**20 05 04 18**±3.2	**34.2S**±.10	**70.2W**±.22	**11**±11		**13**	**0-2**	
GUC	III	20 05 04 17.2	34.27S	70.14W	8	3.3D		**¶97iii3841**	
NEIC	III	20 05 04 18.4	34.18S	70.21W	10				
NEIC	Single network solution.								
ISC	**III**	**20 05 43 13**±3.0	**34.5S**±.15	**70.4W**±.21	**11**±7.9		**11**	**0-1**	
NEIC	III	20 05 43 12.5	34.45S	70.41W	10			**¶97iii3846**	
GUC	III	20 05 43 12.7	34.47S	70.44W	8	3.1D			
NEIC	Poor solution.								
ISC	**III**	**20 17 03 24**±5.3	**33.4S**±.11	**70.2W**±.31	**104**±46		**12**	**0-1**	
GUC	III	20 17 03 23.8	33.45S	70.16W	106	2.7D		**¶97iii3926**	
NEIC	III	20 17 03 24.4	33.43S	70.20W	100				
NEIC	Single network solution.								
ISC	**III**	**22 04 20 10**±4.9	**32.1S**±.40	**70.5W**±.42	**111**		**9**	**1-2**	
GUC	III	22 04 20 08.1	31.95S	70.34W	111	2.2D		**¶97iii4196**	
GUC	**III**	**22 15 15 58.5**	**31.41S**	**70.05W**	**168**			**¶97iii4287**	
ISC	**III**	**25 00 14 45.4**±.29	**33.42S**±.043	**70.57W**±.053	**88**±2.8	**5.3b**	**223**	**0-179**	
BJI	III	25 00 14 44.0	33.62S	70.66W	83	5.5s		**¶97iii4645**	
NEIC	III	25 00 14 44.6	33.48S	70.55W	84	5.5b			
EIDC	III	25 00 14 45.0	33.4S	70.7W	76	5.1b,4.5s			
MOS	III	25 00 14 45.5	33.4S	70.7W	86	5.5b			
GUC	III	25 00 14 46.0	33.46S	70.78W	83	5.4D			
HRVD	III	25 00 14 50.6±.3	33.45S±.03	70.62W±.04	90±2.4				
NEIC	Mw5.5(HRV), Damage, avalanche observed.								
NEIC	Some buildings slightly damaged I=VI MM and power outages at Santiago, Chile. Felt in many parts of central Chile. Landslides occurred along mountain roads east of Santiago, Chile. Also felt III MM at Mendoza, Argentina.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c39; Half duration: 1^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.60±.04; $M_{\theta\theta}$−1.12±.06; $M_{\phi\phi}$1.73±.08; $M_{r\theta}$−1.13±.04; $M_{r\phi}$−0.08±.07; $M_{\theta\phi}$1.07±.10. Principal Axes: T 2.16,Plg10°,Azm111°; N 0.03, Plg54°,Azm215°; P −2.19,Plg34°,Azm14°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_s158°,δ59°,λ−161°. NP2:ϕ_s58°,δ74°,λ−33°.								
ISC	**III**	**25 00 32 15**±6.3	**32.8S**±.25	**70.3W**±.28	**113**±51		**11**	**0-2**	
NEIC	III	25 00 32 13.2	32.70S	70.15W	120			**¶97iii4647**	
GUC	III	25 00 32 14.0	32.71S	70.17W	115	2.9D			
NEIC	Poor solution.								
ISC	**III**	**26 23 05 27**±3.7	**30.9S**±.42	**69.2W**±.32	**156**		**11**	**1-4**	
NEIC	III	26 23 05 28.8	31.06S	69.28W	140			**¶97iii5091**	
GUC	III	26 23 05 34.5	31.44S	69.74W	156	2.7D			
NEIC	Poor solution.								
ISC	**III**	**27 19 37 36**±5.0	**33.5S**±.11	**70.8W**±.18	**87**±51		**9**	**0-1**	
GUC	III	27 19 37 36.2	33.45S	70.79W	81			**¶97iii5295**	
NEIC	III	27 19 37 36.2	33.46S	70.79W	80				
NEIC	Single network solution.								
ISC	**III**	**28 04 32 02**±4.4	**33.9S**±.14	**70.7W**±.15	**81**±42		**12**	**0-1**	
GUC	III	28 04 32 02.0	33.92S	70.70W	83	2.5D		**¶97iii5360**	
NEIC	III	28 04 32 02.0	33.92S	70.70W	80				
NEIC	Single network solution.								
ISC	**III**	**28 08 41 00**±4.1	**33.44S**±.078	**70.8W**±.13	**76**±43		**12**	**0-1**	
NEIC	III	28 08 40 59.5	33.44S	70.77W	80			**¶97iii5393**	
GUC	III	28 08 40 59.7	33.44S	70.77W	77	2.1D			
NEIC	Single network solution.								
ISC	**III**	**30 05 45 28**±9.4	**32.1S**±.65	**70.0W**±.83	**120**		**8**	**1-2**	
GUC	III	30 05 45 27.4	32.08S	70.04W	124	2.1D		**¶97iii5706**	
NEIC	III	30 05 45 27.5	32.08S	70.03W	120				
NEIC	Poor solution.								
ISC	**III**	**30 19 10 52**±5.8	**34.8S**±.48	**69.7W**±.80	**193**		**8**	**1-2**	
GUC	III	30 19 10 53.7	34.65S	69.87W	193			**¶97iii5787**	
ISC	**III**	**31 02 42 46**±3.2	**32.5S**±.25	**70.2W**±.33	**119**		**12**	**0-2**	
NEIC	III	31 02 42 45.1	32.50S	70.08W	120			**¶97iii5836**	
GUC	III	31 02 42 45.5	32.51S	70.09W	119	2.8D			
NEIC	Poor solution.								
ISC	**III**	**31 11 38 20**±4.2	**34.8S**±.24	**70.0W**±.26	**5**		**11**	**1-2**	
GUC	III	31 11 38 13.5	35.11S	69.72W	5	3.8D		**¶97iii5882**	
ISC	**III**	**31 16 48 12**±2.1	**33.15S**±.083	**70.3W**±.20	**11**±11		**8**	**0-1**	
GUC	III	31 16 48 11.4	33.16S	70.28W	7	3.1D		**¶97iii5906**	
NEIC	III	31 16 48 11.7	33.15S	70.27W	10				
NEIC	Single network solution.								
ISC	**IV**	**01 06 33 26**±4.1	**33.68S**±.099	**70.9W**±.13	**67**±43		**10**	**0-1**	
GUC	IV	01 06 33 24.6	33.65S	70.81W	75			**¶97iv0028**	
NEIC	IV	01 06 33 25.0	33.69S	70.83W	70				
NEIC	Less reliable solution.								
ISC	**IV**	**01 10 45 56**±5.2	**34.4S**±.29	**70.5W**±.18	**8**±10		**12**	**0-2**	
NEIC	IV	01 10 45 54.2	34.51S	70.40W	5			**¶97iv0055**	
GUC	IV	01 10 45 54.7	34.49S	70.34W	4	3.4D			
NEIC	Single network solution.								
ISC	**IV**	**01 16 20 00**±2.0	**33.15S**±.076	**70.3W**±.17	**10**±9.7		**11**	**0-1**	
GUC	IV	01 16 20 00.1	33.15S	70.27W	6	3.3D		**¶97iv0106**	
NEIC	IV	01 16 20 00.2	33.15S	70.25W	10				
NEIC	Single network solution.								
ISC	**IV**	**01 22 15 01**±2.4	**34.01S**±.087	**70.1W**±.19	**11**±10		**12**	**0-1**	
NEIC	IV	01 22 14 59.7	34.03S	70.09W	10			**¶97iv0149**	
GUC	IV	01 22 15 00.4	34.00S	70.14W	7				
NEIC	Single network solution.								
ISC	**IV**	**02 08 45 06**±5.4	**33.2S**±.14	**70.5W**±.22	**94**±48		**11**	**0-1**	
NEIC	IV	02 08 45 05.0	33.22S	70.47W	95			**¶97iv0214**	
GUC	IV	02 08 45 05.1	33.23S	70.46W	95	2.3D			
NEIC	Single network solution.								
ISC	**IV**	**03 06 30 01**±5.5	**33.1S**±.16	**70.3W**±.28	**105**±45		**13**	**0-1**	
NEIC	IV	03 06 29 59.6	33.12S	70.19W	110			**¶97iv0388**	
GUC	IV	03 06 30 00.3	33.13S	70.23W	108	2.9D			
NEIC	Single network solution.								
ISC	**IV**	**04 00 17 49**±5.9	**33.2S**±.15	**70.5W**±.25	**104**±52		**12**	**0-1**	
GUC	IV	04 00 17 49.0	33.19S	70.48W	103	2.1D		**¶97iv0509**	
NEIC	IV	04 00 17 49.0	33.20S	70.43W	100				
NEIC	Single network solution.								
ISC	**IV**	**07 02 42 32**±6.1	**33.0S**±.19	**70.7W**±.19	**91**±56		**11**	**0-1**	
NEIC	IV	07 02 42 32.1	33.00S	70.61W	90			**¶97iv1090**	
GUC	IV	07 02 42 32.4	33.00S	70.63W	88	2.2D			
NEIC	Single network solution.								
ISC	**IV**	**07 17 02 48**±1.4	**33.16S**±.072	**70.4W**±.13	**6**±12		**9**	**0-1**	
GUC	IV	07 17 02 47.6	33.16S	70.27W	5	3.1D		**¶97iv1192**	
NEIC	IV	07 17 02 48.3	33.16S	70.36W	5				
NEIC	Single network solution.								
ISC	**IV**	**07 19 42 46**±1.3	**34.39S**±.068	**70.53W**±.090	**3**±7.8	3.9b	**20**	**0-85**	
GUC	IV	07 19 42 44.6	34.47S	70.37W	9	4.6D		**¶97iv1214**	
NEIC	IV	07 19 42 45.2	34.40S	70.31W	10				
EIDC	IV	07 19 42 47.2	34.4S	70.0W	0	3.7L,3.8b			
ISC	**IV**	**07 19 46 53**±5.2	**34.4S**±.31	**70.4W**±.22	**11**±9.5		**9**	**0-1**	
NEIC	IV	07 19 46 53.0	34.45S	70.40W	10			**¶97iv1215**	
GUC	IV	07 19 46 53.5	34.43S	70.38W	8				
NEIC	Poor solution.								
ISC	**IV**	**07 21 18 20**±2.0	**33.13S**±.083	**70.3W**±.18	**10**±11		**9**	**0-1**	
GUC	IV	07 21 18 18.5	33.14S	70.14W	1	3.2D		**¶97iv1229**	
NEIC	IV	07 21 18 19.8	33.14S	70.26W	5				
NEIC	Single network solution.								
ISC	**IV**	**08 22 54 38**±3.4	**34.1S**±.20	**70.4W**±.21	**13**±9.6		**11**	**0-1**	
NEIC	IV	08 22 54 37.7	34.08S	70.34W	10			**¶97iv1424**	
GUC	IV	08 22 54 38.5	34.05S	70.38W	9	3.7D			
NEIC	Single network solution.								
ISC	**IV**	**09 00 31 09**±12	**34.5S**±.69	**70.4W**±.27	**11**±12		**7**	**0-1**	
GUC	IV	09 00 31 08.6	34.45S	70.39W	8			**¶97iv1432**	
ISC	**IV**	**09 17 19 05**±4.3	**34.4S**±.24	**70.4W**±.24	**9**±8.0		**9**	**0-1**	
NEIC	IV	09 17 19 04.0	34.40S	70.31W	5			**¶97iv1559**	
GUC	IV	09 17 19 04.4	34.42S	70.35W	6				
NEIC	Poor solution.								
ISC	**IV**	**09 21 42 40**±7.3	**32.7S**±.37	**70.4W**±.29	**79**±51		**9**	**0-2**	
NEIC	IV	09 21 42 36.0	32.53S	70.25W	100			**¶97iv1588**	
GUC	IV	09 21 42 36.5	32.52S	70.30W	98	2.5D			
NEIC	Poor solution.								
ISC	**IV**	**10 03 07 38**±5.3	**34.9S**±.44	**70.9W**±.24	**94**		**12**	**1-2**	
NEIC	IV	10 03 07 38.0	34.94S	70.81W	90			**¶97iv1616**	
GUC	IV	10 03 07 38.3	34.92S	70.84W	94	2.7D			
NEIC	Poor solution.								
ISC	**IV**	**10 06 38 53**±6.8	**33.1S**±.19	**70.4W**±.30	**92**±57		**12**	**0-1**	
NEIC	IV	10 06 38 51.6	33.11S	70.28W	100			**¶97iv1644**	
GUC	IV	10 06 38 52.2	33.13S	70.32W	98	2.5D			
NEIC	Single network solution.								
ISC	**IV**	**10 08 05 26**±7.7	**32.4S**±.49	**70.9W**±.21	**60**±40		**11**	**0-2**	
NEIC	IV	10 08 05 22.1	32.19S	70.82W	80			**¶97iv1655**	
GUC	IV	10 08 05 22.3	32.20S	70.79W	80	2.9D			
NEIC	Poor solution.								
ISC	**IV**	**10 08 59 25**±2.5	**34.8S**±.25	**70.5W**±.28	**130**		**13**	**0-2**	
NEIC	IV	10 08 59 25.2	34.75S	70.44W	130			**¶97iv1661**	
GUC	IV	10 08 59 25.3	34.73S	70.43W	131	3.3D			
NEIC	Poor solution.								
GUC	**IV**	**10 09 38 59.1**	**35.87S**	**70.57W**	**216**	**1.9D**		**¶97iv1665**	
ISC	**IV**	**10 18 01 35**±3.1	**32.8S**±.23	**70.9W**±.24	**7**±15		**9**	**0-2**	
GUC	IV	10 18 01 32.9	32.67S	71.05W	5			**¶97iv1721**	
NEIC	IV	10 18 01 34.3	32.75S	70.96W	10				
NEIC	Single network solution.								
ISC	**IV**	**11 02 26 07**±8.5	**34.8S**±.51	**70.9W**±.22	**82**±52		**12**	**0-2**	
NEIC	IV	11 02 26 03.5	34.99S	70.89W	95			**¶97iv1784**	
GUC	IV	11 02 26 03.6	34.99S	70.84W	97	2.5D			
NEIC	Poor solution.								
ISC	**IV**	**11 17 16 54**±1.7	**33.16S**±.073	**70.3W**±.15	**9**±9.0		**13**	**0-2**	
NEIC	IV	11 17 16 53.5	33.15S	70.24W	10			**¶97iv1944**	
GUC	IV	11 17 16 53.7	33.14S	70.27W	7	3.2D			
NEIC	Single network solution.								
ISC	**IV**	**12 09 15 00**±5.6	**33.1S**±.18	**70.4W**±.26	**90**±48		**11**	**0-2**	
NEIC	IV	12 09 14 58.9	33.04S	70.33W	100			**¶97iv2043**	
GUC	IV	12 09 14 59.7	33.05S	70.32W	95				
NEIC	Single network solution.								
ISC	**IV**	**12 12 49 34**±3.0	**35.1S**±.26	**70.1W**±.27	**154**		**15**	**1-4**	
GUC	IV	12 12 49 36.0	35.00S	70.40W	154	3.8D		**¶97iv2067**	
ISC	**IV**	**12 22 00 37**±7.9	**33.56S**±.088	**69.4W**±.48	**3**±26		**13**	**1-2**	
GUC	IV	12 22 00 36.3	33.54S	69.33W	1	3.7D		**¶97iv2137**	
NEIC	IV	12 22 00 37.2	33.54S	69.42W	5				
NEIC	Poor solution.								
ISC	**IV**	**12 22 39 38**±5.0	**34.2S**±.18	**70.6W**±.22	**79**±43		**11**	**0-1**	
GUC	IV	12 22 39 34.1	34.26S	70.44W	113			**¶97iv2145**	
NEIC	IV	12 22 39 34.6	34.40S	70.44W	100				
NEIC	Poor solution.								
ISC	**IV**	**13 04 33 42**±2.8	**34.4S**±.15	**70.4W**±.21	**8**±8.1		**12**	**0-2**	
NEIC	IV	13 04 33 40.6	34.47S	70.38W	5			**¶97iv2189**	
GUC	IV	13 04 33 41.4	34.46S	70.45W	5				
NEIC	Poor solution.								
ISC	**IV**	**14 08 37 20**±1.9	**34.22S**±.086	**70.2W**±.13	**13**±9.0		**15**	**0-3**	
GUC	IV	14 08 37 18.6	34.25S	70.09W	6	4.3D		**¶97iv2418**	
NEIC	IV	14 08 37 20.7	34.16S	70.21W	10				
ISC	**IV**	**14 09 11 08**±4.9	**34.2S**±.12	**70.1W**±.33	**9**±16		**10**	**0-1**	
GUC	IV	14 09 11 08.5	34.25S	70.11W	8			**¶97iv2426**	
NEIC	IV	14 09 11 09.3	34.20S	70.14W	10				
NEIC	Poor solution.								
ISC	**IV**	**14 21 39 07**±6.2	**33.6S**±.14	**70.7W**±.17	**68**±61		**8**	**0-1**	
GUC	IV	14 21 39 06.0	33.62S	70.70W	72			**¶97iv2516**	
NEIC	IV	14 21 39 06.1	33.61S	70.69W	70				
NEIC	Single network solution.								
ISC	**IV**	**15 01 10 20**±5.6	**33.2S**±.16	**70.4W**±.28	**105**±48		**12**	**0-2**	
NEIC	IV	15 01 10 19.7	33.19S	70.41W	100			**¶97iv2537**	
GUC	IV	15 01 10 20.0	33.19S	70.44W	100	2.3D			
NEIC	Single network solution.								
ISC	**IV**	**16 16 46 25**±2.0	**33.15S**±.085	**70.3W**±.28	**9**±13		**8**	**0-1**	
GUC	IV	16 16 46 24.6	33.15S	70.33W	4			**¶97iv2786**	
NEIC	IV	16 16 46 24.8	33.16S	70.33W	5				
NEIC	Single network solution.								
ISC	**IV**	**17 02 22 52**±5.1	**32.0S**±.42	**70.7W**±.31	**100**		**11**	**1-3**	
GUC	IV	17 02 22 49.3	31.88S	70.59W	112	2.8D		**¶97iv2838**	
NEIC	IV	17 02 22 50.5	31.92S	70.69W	100				
NEIC	Poor solution.								
ISC	**IV**	**17 04 28 07**±5.2	**33.0S**±.19	**70.3W**±.42	**97**±38		**9**	**0-1**	
NEIC	IV	17 04 28 06.6	33.03S	70.24W	100			**¶97iv2855**	
GUC	IV	17 04 28 07.2	33.05S	70.27W	98	2.1D			
NEIC	Poor solution.								
ISC	**IV**	**19 04 39 14**±2.6	**34.4S**±.14	**70.4W**±.18	**9**±7.4		**13**	**0-2**	
NEIC	IV	19 04 39 12.1	34.50S	70.39W	5			**¶97iv3155**	
GUC	IV	19 04 39 13.2	34.47S	70.43W	4	3.4D			
NEIC	Single network solution.								
ISC	**IV**	**20 19 53 16.7**±.32	**33.98S**±.041	**70.15W**±.055	**109**±2.6	**5.2b**	**202**	**0-179**	
BJI	IV	20 19 53 15.5	34.00S	69.90W	105			**¶97iv3352**	
NEIC	IV	20 19 53 15.5	34.04S	69.98W	105	5.3b			
EIDC	IV	20 19 53 17.5	34.0S	70.3W	110	4.8b,4.1s			
MOS	IV	20 19 53 17.6	33.9S	70.4W	112	5.6b			
GUC	IV	20 19 53 17.7	34.00S	70.45W	107	5.5D			
HRVD	IV	20 19 53 22.3±.1	33.85S±.02	70.39W±.03	116±1.2				

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		Mw5.6(HRV)						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c74; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.08±.05; $M_{\theta\theta}$−0.30±.10; $M_{\phi\phi}$1.38±.10; $M_{r\theta}$−0.19±.05; $M_{r\phi}$−2.52±.05; $M_{\theta\phi}$0.08±.08. Principal Axes: T 2.96,Plg32°,Azm93°; N −0.30, Plg1°,Azm184°; P −2.66,Plg58°,Azm275°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: φs181°,δ13°,λ−93°. NP2:φs4°,δ77°,λ−89°.						
ISC	**IV**	**20 20 05 15**±4.7	**34.0S**±.13	**70.5W**±.23	**103**±40		**13**	**0-1**
NEIC	IV	20 20 05 13.1	34.06S	70.45W	110			**¶97iv3355**
GUC	IV	20 20 05 14.0	34.01S	70.45W	106	2.9D		
NEIC		Single network solution.						
ISC	**IV**	**21 00 34 17**±4.3	**34.0S**±.12	**70.5W**±.22	**99**±37		**13**	**0-1**
GUC	IV	21 00 34 16.6	34.00S	70.48W	104	2.5D		**¶97iv3379**
NEIC	IV	21 00 34 16.7	34.02S	70.48W	100			
NEIC		Single network solution.						
ISC	**IV**	**21 15 25 21**±1.3	**24.32S**±.067	**67.62W**±.081	**115**±13	**4.7b**	**50**	**7-166**
NEIC	IV	21 15 25 23.8	24.28S	67.64W	136	4.9b		**¶97iv3518**
EIDC	IV	21 15 25 25.0	24.2S	67.6W	135	4.4b		
ISC	**IV**	**21 20 56 34**±2.1	**23.7S**±.12	**67.3W**±.17	**186**±22	**3.7b**	**13**	**7-144**
NEIC	IV	21 20 56 34.5	23.71S	67.37W	200			**¶97iv3576**
EIDC	IV	21 20 56 35.5	23.7S	67.3W	192	3.6b		
NEIC		Less reliable solution.						
ISC	**IV**	**22 06 30 03**±5.5	**34.7S**±.29	**70.5W**±.25	**0**±12		**12**	**0-2**
GUC	IV	22 06 29 59.6	34.86S	70.39W	0	4.2D		**¶97iv3657**
NEIC	IV	22 06 30 04.5	34.57S	70.50W	5			
NEIC		Poor solution.						
ISC	**IV**	**22 07 18 31**±6.9	**34.7S**±.33	**70.5W**±.30	**1**±15		**12**	**0-2**
GUC	IV	22 07 18 27.9	35.01S	70.32W	16	4.1D		**¶97iv3661**
NEIC	IV	22 07 18 33.0	34.60S	70.48W	5			
NEIC		Single network solution.						
ISC	**IV**	**22 17 17 51**±2.5	**32.7S**±.18	**70.1W**±.30	**121**		**13**	**0-2**
NEIC	IV	22 17 17 50.7	32.68S	70.03W	120			**¶97iv3791**
GUC	IV	22 17 17 51.3	32.69S	70.09W	121	2.9D		
NEIC		Poor solution.						
ISC	**IV**	**23 06 51 31**±7.2	**32.6S**±.43	**70.7W**±.21	**74**±46		**14**	**0-2**
GUC	IV	23 06 51 28.8	32.45S	70.64W	82	4.2D		**¶97iv3909**
NEIC	IV	23 06 51 29.2	32.49S	70.63W	80			
NEIC		Single network solution.						
ISC	**IV**	**23 19 30 11**±6.4	**31.5S**±.41	**70.3W**±.33	**149**±54		**12**	**1-3**
NEIC	IV	23 19 30 13.6	31.66S	70.19W	120			**¶97iv4019**
GUC	IV	23 19 30 16.9	31.89S	70.46W	122	3.3D		
NEIC		Less reliable solution.						
ISC	**IV**	**23 22 19 23**±6.1	**31.8S**±.51	**70.5W**±.41	**130**		**10**	**1-3**
NEIC	IV	23 22 19 21.3	31.70S	70.42W	130			**¶97iv4033**
GUC	IV	23 22 19 21.7	31.72S	70.44W	129	2.9D		
NEIC		Poor solution.						
ISC	**IV**	**25 04 24 23**±2.1	**33.39S**±.080	**70.4W**±.16	**105**±22		**15**	**0-2**
NEIC	IV	25 04 24 23.5	33.40S	70.38W	100			**¶97iv4279**
GUC	IV	25 04 24 23.9	33.40S	70.42W	99	3.7D		
NEIC		Felt I=III MM at Santiago, Chile.						
ISC	**IV**	**25 04 52 04**±4.4	**34.0S**±.13	**70.5W**±.23	**98**±38		**13**	**0-1**
GUC	IV	25 04 52 02.9	34.04S	70.48W	103	3.3D		**¶97iv4281**
NEIC	IV	25 04 52 03.0	34.06S	70.50W	100			
NEIC		Single network solution.						
ISC	**IV**	**25 05 01 50**±7.4	**32.4S**±.46	**70.9W**±.22	**69**±41		**11**	**0-2**
GUC	IV	25 05 01 49.3	32.40S	70.78W	73	2.5D		**¶97iv4287**
NEIC	IV	25 05 01 49.5	32.40S	70.84W	70			
GUC	**IV**	**26 08 24 06.6**	**30.46S**	**69.41W**	**219**	**3.9b**		**¶97iv4497**
ISC	**IV**	**27 13 38 52**±7.8	**34.8S**±.44	**71.0W**±.24	**93**±51		**11**	**0-2**
NEIC	IV	27 13 38 51.2	34.81S	70.95W	100			**¶97iv4732**
GUC	IV	27 13 38 51.3	34.79S	71.02W	101	2.8D		
NEIC		Poor solution.						
ISC	**IV**	**28 09 47 59**±6.5	**33.2S**±.16	**70.5W**±.25	**89**±55		**10**	**0-1**
NEIC	IV	28 09 47 58.3	33.12S	70.41W	95			**¶97iv4889**
GUC	IV	28 09 47 58.4	33.14S	70.40W	95	2.2D		
NEIC		Single network solution.						
ISC	**IV**	**30 12 57 16**±3.7	**34.5S**±.18	**70.4W**±.26	**12**±9.9		**10**	**0-2**
NEIC	IV	30 12 57 12.9	34.58S	70.34W	5			**¶97iv5219**
GUC	IV	30 12 57 15.4	34.46S	70.42W	5			
NEIC		Poor solution.						
ISC	**IV**	**30 21 13 28**±1.8	**33.14S**±.078	**70.3W**±.15	**9**±9.8		**11**	**0-2**
GUC	IV	30 21 13 28.0	33.14S	70.29W	4	3.1D		**¶97iv5265**
NEIC	IV	30 21 13 28.4	33.16S	70.30W	5			
NEIC		Single network solution.						
ISC	**IV**	**30 22 19 51**±4.2	**34.2S**±.17	**70.9W**±.16	**83**±39		**12**	**0-2**
GUC	IV	30 22 19 51.5	34.20S	70.92W	81	2.2D		**¶97iv5276**
NEIC	IV	30 22 19 51.7	34.18S	70.91W	80			
NEIC		Single network solution.						
ISC	**V**	**01 04 12 29**±1.4	**33.09S**±.093	**69.3W**±.10	**12**±17		**15**	**0-2**
NEIC	V	01 04 12 28.6	33.08S	69.32W	5			**¶97v0029**
GUC	V	01 04 12 29.0	33.11S	69.30W	4	3.7D		
NEIC		Felt I=III MM in Mendoza Province, Argentina.						
ISC	**V**	**01 10 08 17**±4.1	**32.9S**±.20	**71.0W**±.16	**69**±36		**12**	**0-2**
NEIC	V	01 10 08 16.4	32.90S	70.95W	70			**¶97v0079**
GUC	V	01 10 08 16.9	32.91S	70.95W	66	2.1D		
NEIC		Single network solution.						
ISC	**V**	**03 18 10 05**±8.2	**32.9S**±.33	**70.4W**±.33	**94**±62		**12**	**0-2**
NEIC	V	03 18 10 03.2	32.84S	70.35W	100			**¶97v0480**
GUC	V	03 18 10 03.6	32.85S	70.35W	99	2.5D		
NEIC		Single network solution.						
ISC	**V**	**04 08 24 43**±5.7	**33.1S**±.19	**70.5W**±.27	**96**±48		**10**	**0-2**
NEIC	V	04 08 24 42.3	33.05S	70.42W	100			**¶97v0596**
GUC	V	04 08 24 42.8	33.08S	70.45W	98			
NEIC		Single network solution.						
ISC	**V**	**05 04 57 25**±4.8	**33.3S**±.12	**70.4W**±.26	**109**±41		**13**	**0-1**
NEIC	V	05 04 57 24.7	33.31S	70.30W	110			**¶97v0741**
GUC	V	05 04 57 24.9	33.30S	70.29W	110	3.4D		
NEIC		Single network solution.						
ISC	**V**	**05 07 40 40**±3.0	**34.4S**±.15	**70.5W**±.21	**9**±9.2		**12**	**0-2**
NEIC	V	05 07 40 38.0	34.50S	70.40W	5			**¶97v0757**
GUC	V	05 07 40 39.0	34.47S	70.43W	5	3.3D		
NEIC		Single network solution.						
ISC	**V**	**07 06 16 01**±6.7	**32.2S**±.51	**71.0W**±.25	**69**		**10**	**1-2**
NEIC	V	07 06 16 00.3	32.16S	70.96W	70			**¶97v1059**
GUC	V	07 06 16 00.9	32.20S	70.91W	69	2.5D		
NEIC		Poor solution.						
ISC	**V**	**07 18 44 29.5**±.51	**33.44S**±.066	**69.9W**±.10	**106**±4.8	**4.1b**	**47**	**0-165**
NEIC	V	07 18 44 28.9	33.44S	69.83W	100	4.2b		**¶97v1134**
EIDC	V	07 18 44 31.2	33.4S	69.9W	114	3.9b		
GUC	V	07 18 44 32.3	33.42S	70.30W	99	4.2D		
NEIC		Felt I=II MM at Santiago and Vina del Mar, Chile.						
ISC	**V**	**07 20 09 00**±7.0	**32.5S**±.40	**70.5W**±.27	**89**±42		**12**	**0-2**
GUC	V	07 20 08 56.4	32.32S	70.38W	103	3.4D		**¶97v1141**
NEIC	V	07 20 08 57.1	32.37S	70.38W	100			
NEIC		Poor solution.						
ISC	**V**	**07 22 06 08**±4.2	**33.1S**±.17	**70.9W**±.16	**82**±39		**12**	**0-2**
GUC	V	07 22 06 08.4	33.13S	70.86W	71			**¶97v1150**
NEIC	V	07 22 06 08.5	33.12S	70.87W	70			
NEIC		Single network solution.						
ISC	**V**	**09 05 41 09**±2.5	**34.4S**±.12	**70.4W**±.22	**10**±9.0		**9**	**0-1**
GUC	V	09 05 41 09.1	34.36S	70.39W	8	2.8D		**¶97v1367**
ISC	**V**	**09 16 30 15**±1.7	**33.16S**±.073	**70.3W**±.15	**9**±8.9		**13**	**0-2**
NEIC	V	09 16 30 14.3	33.15S	70.26W	10			**¶97v1450**
GUC	V	09 16 30 14.4	33.15S	70.29W	6	3.7D		
NEIC		Single network solution.						
ISC	**V**	**09 18 34 23**±4.5	**32.9S**±.23	**71.0W**±.16	**70**±38		**13**	**0-2**
NEIC	V	09 18 34 23.0	32.85S	70.94W	70			**¶97v1465**
GUC	V	09 18 34 23.5	32.89S	70.93W	66	3.2D		
NEIC		Single network solution.						
ISC	**V**	**09 19 19 21**±3.9	**34.6S**±.18	**69.7W**±.24	**1**		**11**	**1-2**
GUC	V	09 19 19 17.5	34.74S	69.43W	1	3.8D		**¶97v1472**
ISC	**V**	**09 20 19 19**±5.5	**32.8S**±.29	**70.9W**±.17	**68**±46		**11**	**0-2**
NEIC	V	09 20 19 18.9	32.82S	70.88W	70			**¶97v1483**
GUC	V	09 20 19 19.3	32.84S	70.89W	66	2.5D		
NEIC		Single network solution.						
ISC	**V**	**09 21 18 26**±2.0	**33.14S**±.080	**70.3W**±.17	**8**±11		**11**	**0-2**
NEIC	V	09 21 18 25.8	33.15S	70.24W	5			**¶97v1490**
GUC	V	09 21 18 26.0	33.14S	70.29W	4	3.3D		
NEIC		Single network solution.						
ISC	**V**	**10 04 01 08**±6.7	**32.9S**±.30	**70.5W**±.25	**92**±49		**13**	**0-2**
GUC	V	10 04 01 06.6	32.85S	70.37W	95	3.4D		**¶97v1520**
NEIC	V	10 04 01 07.2	32.88S	70.42W	90			
NEIC		Single network solution.						
ISC	**V**	**10 14 15 48**±8.6	**32.8S**±.38	**70.3W**±.41	**96**±58		**13**	**0-2**
NEIC	V	10 14 15 45.1	32.70S	70.10W	110			**¶97v1615**
GUC	V	10 14 15 45.3	32.72S	70.10W	111	3.3D		
NEIC		Poor solution.						
ISC	**V**	**11 18 05 42**±5.8	**34.7S**±.29	**70.5W**±.25	**3**±13		**12**	**0-2**
GUC	V	11 18 05 38.9	34.87S	70.35W	0	3.8D		**¶97v1818**
ISC	**V**	**14 04 02 48**±2.2	**33.0S**±.11	**70.1W**±.18	**124**±26		**15**	**0-2**
NEIC	V	14 04 02 48.5	32.99S	70.03W	110			**¶97v2384**
GUC	V	14 04 02 49.7	33.01S	70.11W	105	3.2D		
NEIC		Less reliable solution.						
ISC	**V**	**14 07 40 07**±3.7	**33.4S**±.15	**69.4W**±.52	**158**		**11**	**1-2**
GUC	V	14 07 40 07.0	33.37S	69.47W	158	2.8D		**¶97v2407**
ISC	**V**	**14 20 06 23**±4.9	**31.9S**±.36	**70.1W**±.63	**147**		**11**	**1-3**
GUC	V	14 20 06 20.6	31.82S	69.79W	147	1.9D		**¶97v2503**
ISC	**V**	**14 23 00 59**±5.2	**33.2S**±.13	**70.3W**±.30	**101**±43		**10**	**0-1**
GUC	V	14 23 00 58.5	33.23S	70.23W	104	2.2D		**¶97v2516**
ISC	**V**	**15 00 47 59**±2.2	**33.6S**±.13	**70.0W**±.34	**120**		**11**	**0-1**
GUC	V	15 00 47 59.9	33.56S	70.03W	120	2.1D		**¶97v2531**
ISC	**V**	**15 01 49 25**±6.5	**33.0S**±.20	**70.2W**±.39	**110**±51		**11**	**0-1**
GUC	V	15 01 49 24.9	33.03S	70.13W	110	2.5D		**¶97v2540**
ISC	**V**	**15 08 04 29**±2.1	**34.4S**±.12	**70.5W**±.15	**7**±8.1		**13**	**0-2**
GUC	V	15 08 04 27.9	34.44S	70.44W	6	3.3D		**¶97v2577**
ISC	**V**	**15 21 13 47**±2.9	**34.4S**±.15	**70.4W**±.21	**9**±7.6		**12**	**0-2**
GUC	V	15 21 13 46.4	34.47S	70.44W	5	3.1D		**¶97v2680**
ISC	**V**	**15 21 14 52**±2.9	**34.4S**±.15	**70.4W**±.22	**10**±7.7		**11**	**0-2**
GUC	V	15 21 14 51.0	34.47S	70.42W	6	3.0D		**¶97v2681**
ISC	**V**	**16 02 57 14**±5.3	**31.8S**±.44	**70.4W**±.40	**133**		**12**	**1-3**
GUC	V	16 02 57 12.5	31.70S	70.33W	133	2.6D		**¶97v2715**
ISC	**V**	**16 08 24 48**±3.9	**34.3S**±.13	**70.1W**±.29	**14**±12		**9**	**0-1**
GUC	V	16 08 24 47.5	34.26S	70.10W	8	3.3D		**¶97v2743**
ISC	**V**	**16 08 50 46**±2.2	**33.72S**±.072	**71.0W**±.14	**61**±27		**11**	**0-1**
GUC	V	16 08 50 45.3	33.71S	70.97W	68	1.9D		**¶97v2744**
ISC	**V**	**17 15 26 33**±2.8	**34.4S**±.14	**70.4W**±.21	**11**±7.0		**12**	**0-2**
NEIC	V	17 15 26 30.3	34.52S	70.32W	5			**¶97v2952**
GUC	V	17 15 26 32.9	34.43S	70.45W	7	3.0D		
NEIC		Poor solution.						
ISC	**V**	**17 19 00 33**±3.7	**32.4S**±.31	**71.0W**±.26	**80**		**9**	**0-2**
NEIC	V	17 19 00 32.1	32.29S	70.93W	80			**¶97v2972**
GUC	V	17 19 00 32.7	32.36S	70.92W	83	2.9D		
NEIC		Poor solution.						
ISC	**V**	**17 20 17 39**±2.4	**34.4S**±.13	**70.5W**±.17	**9**±7.3		**13**	**0-2**
NEIC	V	17 20 17 36.7	34.51S	70.39W	5			**¶97v2981**
GUC	V	17 20 17 38.1	34.46S	70.43W	5	3.4D		
NEIC		Single network solution.						
ISC	**V**	**18 10 55 14**±5.8	**31.8S**±.49	**70.5W**±.41	**130**		**9**	**1-3**
GUC	V	18 10 55 11.9	31.68S	70.32W	129	3.5D		**¶97v3068**
NEIC	V	18 10 55 11.9	31.69S	70.36W	130			
NEIC		Poor solution.						
ISC	**V**	**18 23 10 23**±1.6	**32.9S**±.14	**70.3W**±.26	**114**		**12**	**0-2**
GUC	V	18 23 10 22.9	32.82S	70.27W	114	3.3D		**¶97v3160**
NEIC	V	18 23 10 23.2	32.83S	70.28W	110			
NEIC		Single network solution.						
ISC	**V**	**18 23 28 04**±3.3	**34.5S**±.17	**70.4W**±.25	**8**±8.3		**11**	**0-2**
NEIC	V	18 23 28 03.0	34.51S	70.37W	5			**¶97v3162**
GUC	V	18 23 28 04.4	34.46S	70.46W	4	3.5D		
NEIC		Poor solution.						
ISC	**V**	**19 22 50 39**±3.0	**34.5S**±.15	**70.4W**±.20	**10**±7.4		**12**	**0-2**
NEIC	V	19 22 50 36.8	34.54S	70.34W	5			**¶97v3317**
GUC	V	19 22 50 38.8	34.47S	70.43W	5	3.3D		
NEIC		Single network solution.						
ISC	**V**	**20 08 20 01**±4.7	**32.0S**±.35	**70.1W**±.40	**134**		**12**	**1-3**
GUC	V	20 08 19 59.5	31.91S	69.94W	134	2.6D		**¶97v3376**
NEIC	V	20 08 20 00.6	32.00S	69.97W	130			
NEIC		Poor solution.						
ISC	**V**	**20 12 58 49**±3.6	**34.5S**±.18	**70.4W**±.25	**11**±8.9		**9**	**0-1**
NEIC	V	20 12 58 46.1	34.58S	70.31W	5			**¶97v3403**
GUC	V	20 12 58 48.8	34.47S	70.42W	5	3.5D		
NEIC		Poor solution.						
ISC	**V**	**20 15 01 49**±7.6	**31.5S**±.58	**70.0W**±.50	**154**		**12**	**1-3**
NEIC	V	20 15 01 48.1	31.45S	69.91W	150			**¶97v3424**
GUC	V	20 15 01 49.4	31.53S	70.16W	154	3.8D		
NEIC		Poor solution.						
ISC	**V**	**21 20 24 41**±4.8	**31.7S**±.38	**70.1W**±.38	**138**		**12**	**1-3**
NEIC	V	21 20 24 38.8	31.59S	70.02W	140			**¶97v3603**
GUC	V	21 20 24 39.5	31.63S	70.07W	138	2.9D		
NEIC		Poor solution.						

ISC	**V**	**22 12 18 30**±5.4	**33.58S**±.096	**70.3W**±.29	**107**±48		**12**	**0-1**
GUC	V	22 12 18 29.7	33.56S	70.28W	104	2.8D		**¶97v3771**
NEIC	V	22 12 18 30.1	33.57S	70.30W	100			
NEIC	Single network solution.							
ISC	**V**	**22 19 38 40**±7.2	**31.8S**±.55	**70.0W**±.53	**148**		**10**	**1-3**
GUC	V	22 19 38 37.3	31.61S	69.88W	148	3.3D		**¶97v3826**
ISC	**V**	**23 04 21 26**±7.5	**31.8S**±.57	**70.1W**±.48	**133**		**11**	**1-3**
GUC	V	23 04 21 23.6	31.60S	70.01W	133	3.4D		**¶97v3883**
ISC	**V**	**23 07 47 14**±6.6	**35.5S**±.57	**70.9W**±.42	**126**		**9**	**1-3**
GUC	V	23 07 47 13.0	35.57S	70.85W	126			**¶97v3913**
NEIC	V	23 07 47 15.9	35.31S	70.81W	125			
NEIC	Poor solution.							
ISC	**V**	**24 07 00 46**±2.7	**33.1S**±.15	**69.8W**±.41	**130**		**10**	**0-2**
GUC	V	24 07 00 46.5	33.14S	69.86W	130	2.9D		**¶97v4069**
ISC	**V**	**24 07 06 14**±2.6	**34.4S**±.14	**70.4W**±.19	**9**±7.2		**13**	**0-2**
GUC	V	24 07 06 13.2	34.47S	70.39W	6	4.3D		**¶97v4070**
ISC	**V**	**24 07 19 45**±2.3	**34.4S**±.12	**70.5W**±.17	**4**±10		**10**	**0-2**
GUC	V	24 07 19 44.9	34.45S	70.48W	4	3.3D		**¶97v4072**
ISC	**V**	**24 07 38 56**±4.2	**34.5S**±.21	**70.4W**±.33	**11**±11		**7**	**0-1**
GUC	V	24 07 38 56.7	34.44S	70.48W	9			**¶97v4076**
ISC	**V**	**24 13 15 39**±6.6	**32.9S**±.31	**70.6W**±.22	**102**±50		**12**	**0-2**
GUC	V	24 13 15 39.8	32.89S	70.60W	90	3.0D		**¶97v4112**
ISC	**V**	**24 14 13 13**±6.5	**34.1S**±.22	**70.4W**±.60	**101**±53		**7**	**0-1**
GUC	V	24 14 13 12.2	34.05S	70.40W	109	1.9D		**¶97v4124**
ISC	**V**	**25 12 24 01**±2.8	**34.4S**±.14	**70.4W**±.20	**10**±7.2		**12**	**0-2**
GUC	V	25 12 24 00.6	34.44S	70.45W	6	3.5D		**¶97v4270**
ISC	**V**	**25 18 54 30**±1.0	**34.13S**±.060	**70.5W**±.11	**14**±12		**12**	**0-1**
GUC	V	25 18 54 29.8	34.14S	70.44W	12	3.5D		**¶97v4311**
ISC	**V**	**26 03 52 21**±2.9	**34.4S**±.15	**70.4W**±.20	**8**±7.7		**12**	**0-2**
GUC	V	26 03 52 20.3	34.47S	70.44W	5	3.5D		**¶97v4362**
ISC	**V**	**26 08 46 32**±6.6	**34.6S**±.26	**70.2W**±.34	**0**±17		**14**	**0-2**
GUC	V	26 08 46 30.9	34.69S	70.22W	0	4.5D		**¶97v4392**
ISC	**V**	**26 11 01 02**±6.5	**34.7S**±.32	**70.4W**±.31	**7**±13		**10**	**0-2**
GUC	V	26 11 01 02.2	34.69S	70.39W	0	3.5D		**¶97v4403**
ISC	**V**	**27 06 45 45.7**±.87	**31.6S**±.13	**70.1W**±.41	**166**±29		**14**	**1-15**
GUC	V	27 06 45 53.9	32.04S	70.31W	124	2.6D		**¶97v4524**
ISC	**V**	**27 23 06 31**±2.7	**34.4S**±.14	**70.4W**±.19	**10**±7.2		**12**	**0-2**
GUC	V	27 23 06 30.7	34.45S	70.46W	5	3.8D		**¶97v4621**
ISC	**V**	**29 07 45 53**±6.2	**34.4S**±.36	**70.5W**±.20	**9**±12		**10**	**0-2**
GUC	V	29 07 45 52.0	34.45S	70.39W	7			**¶97v4839**
ISC	**V**	**30 20 33 05**±4.9	**33.70S**±.095	**70.6W**±.28	**93**±47		**10**	**0-1**
GUC	V	30 20 33 05.1	33.71S	70.63W	90	2.3D		**¶97v5093**
ISC	**V**	**31 03 23 13**±3.4	**34.4S**±.16	**70.4W**±.24	**10**±9.3		**12**	**0-2**
GUC	V	31 03 23 12.1	34.46S	70.44W	4	3.9D		**¶97v5143**
ISC	**V**	**31 04 24 38**±8.2	**34.3S**±.23	**70.0W**±.47	**4**±29		**9**	**0-2**
GUC	V	31 04 24 39.6	34.25S	70.10W	7	3.5D		**¶97v5149**
ISC	**VI**	**01 12 58 57**±4.3	**34.1S**±.16	**70.6W**±.23	**91**±37		**10**	**0-1**
GUC	VI	01 12 58 56.3	34.07S	70.58W	95	2.9D		**¶97vi0087**
ISC	**VI**	**02 04 55 02**±1.6	**33.0S**±.13	**70.3W**±.27	**103**		**9**	**0-2**
GUC	VI	02 04 55 01.3	32.96S	70.25W	103	2.6D		**¶97vi0182**
ISC	**VI**	**02 05 43 03**±4.2	**33.58S**±.083	**70.9W**±.17	**83**±46		**10**	**0-1**
GUC	VI	02 05 43 03.8	33.59S	70.83W	76	2.4D		**¶97vi0189**
ISC	**VI**	**02 16 30 58**±7.3	**33.6S**±.13	**70.4W**±.42	**97**±59		**8**	**0-1**
NEIC	VI	02 16 30 57.2	33.64S	70.32W	100			**¶97vi0268**
NEIC	Poor solution.							
ISC	**VI**	**03 11 28 09**±4.9	**31.8S**±.27	**70.2W**±.21	**142**±48		**15**	**1-3**
NEIC	VI	03 11 28 13.4	32.06S	70.16W	100			**¶97vi0439**
NEIC	Poor solution.							
ISC	**VI**	**05 07 21 37**±2.5	**34.4S**±.13	**70.5W**±.18	**9**±7.6		**13**	**0-2**
GUC	VI	05 07 21 36.3	34.48S	70.43W	5			**¶97vi0724**
ISC	**VI**	**06 08 09 48**±6.3	**34.6S**±.33	**70.7W**±.30	**91**±45		**12**	**0-2**
GUC	VI	06 08 09 48.0	34.59S	70.74W	94			**¶97vi0909**
ISC	**VI**	**06 09 23 40**±2.7	**33.67S**±.069	**70.9W**±.13	**75**±30		**13**	**0-1**
NEIC	VI	06 09 23 39.3	33.69S	70.85W	80			**¶97vi0919**
GUC	VI	06 09 23 40.1	33.67S	70.88W	70	2.7D		
NEIC	Single network solution.							
ISC	**VI**	**06 13 35 07**±6.5	**35.7S**±.53	**71.0W**±.36	**131**		**13**	**1-3**
GUC	VI	06 13 35 07.8	35.63S	70.96W	131	3.0D		**¶97vi0940**
ISC	**VI**	**06 19 45 07**±5.6	**32.7S**±.31	**70.9W**±.19	**74**±42		**11**	**0-2**
NEIC	VI	06 19 45 06.0	32.64S	70.83W	80			**¶97vi0982**
GUC	VI	06 19 45 07.0	32.71S	70.90W	72	2.2D		
NEIC	Single network solution.							
ISC	**VI**	**07 01 20 35**±4.2	**32.2S**±.40	**70.4W**±.44	**120**		**7**	**1-2**
GUC	VI	07 01 20 34.1	32.06S	70.34W	122			**¶97vi1023**
NEIC	VI	07 01 20 34.9	32.14S	70.37W	120			
NEIC	Poor solution.							
ISC	**VI**	**07 11 43 51**±1.0	**34.3S**±.12	**70.5W**±.20	**113**		**13**	**0-2**
GUC	VI	07 11 43 50.2	34.31S	70.42W	113			**¶97vi1091**
NEIC	VI	07 11 43 50.6	34.30S	70.51W	110			
NEIC	Single network solution.							
ISC	**VI**	**08 22 02 22**±2.8	**34.4S**±.14	**70.4W**±.21	**9**±7.5		**12**	**0-2**
NEIC	VI	08 22 02 20.1	34.50S	70.37W	5			**¶97vi1293**
GUC	VI	08 22 02 21.3	34.47S	70.43W	5			
NEIC	Poor solution.							
ISC	**VI**	**09 11 17 21**±2.4	**33.40S**±.061	**70.1W**±.19	**13**±9.7		**13**	**0-1**
NEIC	VI	09 11 17 20.2	33.40S	70.09W	10			**¶97vi1385**
GUC	VI	09 11 17 20.9	33.38S	70.14W	11	3.4D		
ISC	**VI**	**09 12 38 52**±8.7	**33.1S**±.25	**69.9W**±.52	**124**±63		**12**	**0-2**
NEIC	VI	09 12 38 51.1	33.07S	69.86W	125			**¶97vi1397**
GUC	VI	09 12 38 51.5	33.09S	69.90W	125	2.5D		
NEIC	Poor solution.							
ISC	**VI**	**10 00 25 21**±4.9	**33.60S**±.097	**70.3W**±.30	**104**±43		**11**	**0-1**
GUC	VI	10 00 25 20.4	33.57S	70.26W	105	2.2D		**¶97vi1454**
NEIC	VI	10 00 25 20.8	33.59S	70.29W	100			
NEIC	Single network solution.							
ISC	**VI**	**10 14 45 06**±3.7	**32.4S**±.28	**70.1W**±.39	**119**		**11**	**1-2**
GUC	VI	10 14 45 05.4	32.29S	70.02W	119	2.8D		**¶97vi1537**
ISC	**VI**	**10 23 30 47**±3.5	**34.5S**±.18	**70.4W**±.25	**11**±8.0		**11**	**0-2**
GUC	VI	10 23 30 47.7	34.46S	70.45W	6	3.0D		**¶97vi1585**
NEIC	VI	10 23 30 49.0	34.37S	70.46W	10			
NEIC	Poor solution.							
ISC	**VI**	**11 00 00 56**±6.7	**31.4S**±.39	**70.2W**±.24	**146**±59		**14**	**1-3**
NEIC	VI	11 00 00 59.6	31.62S	70.13W	120			**¶97vi1588**
GUC	VI	11 00 01 01.9	31.79S	70.27W	121	3.1D		
NEIC	Poor solution.							
ISC	**VI**	**14 12 17 02**±7.7	**34.2S**±.26	**70.5W**±.29	**119**±63		**11**	**0-2**
NEIC	VI	14 12 17 01.4	34.21S	70.42W	120			**¶97vi2126**
GUC	VI	14 12 17 01.9	34.19S	70.41W	119	2.5D		
NEIC	Poor solution.							
ISC	**VI**	**14 18 59 00**±6.2	**33.7S**±.10	**70.3W**±.28	**116**±55		**14**	**0-1**
NEIC	VI	14 18 58 59.4	33.76S	70.27W	120			**¶97vi2160**
GUC	VI	14 18 59 00.2	33.73S	70.34W	118	3.9D		
NEIC	Single network solution.							
ISC	**VI**	**15 13 47 35**±4.8	**31.8S**±.39	**70.2W**±.43	**140**		**11**	**1-3**
NEIC	VI	15 13 47 33.9	31.77S	70.08W	140			**¶97vi2309**
GUC	VI	15 13 47 35.3	31.85S	70.12W	134	2.9D		
NEIC	Poor solution.							
ISC	**VI**	**15 18 24 34**±7.6	**32.9S**±.28	**70.3W**±.36	**102**±54		**13**	**0-2**
GUC	VI	15 18 24 32.9	32.92S	70.21W	103			**¶97vi2341**
NEIC	VI	15 18 24 33.3	32.93S	70.27W	100			
NEIC	Less reliable solution.							
ISC	**VI**	**15 21 08 32**±3.7	**34.4S**±.17	**70.5W**±.27	**9**±10		**10**	**0-2**
NEIC	VI	15 21 08 30.1	34.50S	70.39W	5			**¶97vi2356**
GUC	VI	15 21 08 31.3	34.45S	70.45W	3			
NEIC	Poor solution.							
ISC	**VI**	**16 20 14 54**±9.0	**31.8S**±.69	**70.0W**±.54	**125**		**8**	**1-2**
NEIC	VI	16 20 14 53.1	31.70S	70.00W	125			**¶97vi2508**
GUC	VI	16 20 14 53.6	31.75S	69.99W	128			
NEIC	Poor solution.							
ISC	**VI**	**17 06 49 15**±4.9	**30.9S**±.41	**70.2W**±.25	**137**		**15**	**1-4**
NEIC	VI	17 06 49 16.9	31.07S	70.22W	135			**¶97vi2563**
GUC	VI	17 06 49 19.9	31.29S	70.35W	137	3.5D		
NEIC	Poor solution.							
ISC	**VI**	**17 11 16 41**±1.4	**33.4S**±.13	**70.2W**±.27	**110**		**9**	**0-1**
NEIC	VI	17 11 16 40.7	33.39S	70.12W	110			**¶97vi2604**
GUC	VI	17 11 16 41.3	33.34S	70.20W	111			
NEIC	Single network solution.							
ISC	**VI**	**17 15 56 51**±2.1	**33.98S**±.066	**70.2W**±.18	**12**±9.4		**13**	**0-1**
GUC	VI	17 15 56 51.4	33.98S	70.20W	7	3.7D		**¶97vi2656**
ISC	**VI**	**17 17 34 21**±4.3	**34.0S**±.11	**70.6W**±.20	**96**±39		**13**	**0-1**
GUC	VI	17 17 34 20.4	34.00S	70.50W	102	2.5D		**¶97vi2667**
ISC	**VI**	**18 03 30 22**±7.5	**32.0S**±.48	**70.5W**±.22	**119**±46		**14**	**1-3**
GUC	VI	18 03 30 17.9	31.69S	70.37W	130	2.8D		**¶97vi2719**
NEIC	VI	18 03 30 19.5	31.81S	70.54W	130			
NEIC	Poor solution.							
ISC	**VI**	**19 12 21 03.1**±.28	**33.16S**±.035	**70.09W**±.047	**104**±2.8	**5.3b**	**201**	**0-179**
MOS	VI	19 12 21 02.7	33.1S	70.1W	99	5.3b		**¶97vi2918**
NEIC	VI	19 12 21 03.1	33.20S	70.14W	106	5.4b		
BJI	VI	19 12 21 03.6	33.38S	70.35W	112			
GUC	VI	19 12 21 04.1	33.17S	70.32W	104	5.0D		
EIDC	VI	19 12 21 05.0	33.1S	70.1W	111	5.0b,4.0s		
HRVD	VI	19 12 21 07.8±.2	33.15S±.03	70.19W±.04	116±2.0			
NEIC	Mw5.4(GS)							

NEIC Mw 5.4 (HRV). Felt I=V MM at Santiago; IV MM at Punitaqui and Rancagua; III MM at Quillota and Valparaiso, Chile.

NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}−0.34; $M_{\theta\theta}$−0.12; $M_{\phi\phi}$0.46; $M_{r\theta}$−0.92; $M_{r\phi}$−1.12; $M_{\theta\phi}$0.00. Depth 105km; Principal axes: T 1.46,Plg38°,Azm117°; N 0.10,Plg11°, Azm216°; P −1.56,Plg50°,Azm319°. Best double couple: $M_0$1.5×10^{17}Nm; NP1:ϕ_S155°,δ12°, λ−152°. NP2:ϕ_S37°,δ84°,λ−79°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c62; Mantle waves: s4,c4; Half duration: 1^{S}1. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.01±.32; $M_{\theta\theta}$−0.99±.50; $M_{\phi\phi}$8.00±.55; $M_{r\theta}$−5.12±.30; $M_{r\phi}$−9.76±.29; $M_{\theta\phi}$−1.32±.54. Principal Axes: T 12.9,Plg27°,Azm95°; N 1.0,Plg17°,Azm195°; P −13.9,Plg57°,Azm313°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S150°,δ24°,λ−137°. NP2:ϕ_S20°,δ74°,λ−72°.

ISC	**VI**	**22 11 51 13**±1.9	**32.7S**±.16	**70.3W**±.27	**110**		**13**	**0-2**
GUC	VI	22 11 51 11.7	32.67S	70.17W	110	3.1D		**¶97vi3378**
NEIC	VI	22 11 51 11.8	32.68S	70.20W	110			
NEIC	Single network solution.							
ISC	**VI**	**22 21 13 41**±1.5	**24.57S**±.097	**68.5W**±.13	**137**±16	**3.7b**	**19**	**3-145**
EIDC	VI	22 21 13 36.8	24.5S	68.5W	79	3.6b,3.7L		**¶97vi3438**
NEIC	VI	22 21 13 37.7	24.64S	68.34W	100	4.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**23 21 22 34**±2.4	**23.4S**±.28	**68.0W**±.29	**236**±13	3.6b	**7**	**2-93**
								¶97vi3592
ISC	**VI**	**24 13 18 44**±5.8	**34.0S**±.15	**70.5W**±.31	**104**±49		**9**	**0-1**
GUC	VI	24 13 18 44.0	34.02S	70.45W	103	2.5D		**¶97vi3716**
NEIC	VI	24 13 18 44.4	33.96S	70.47W	100			
NEIC	Poor solution.							
GUC	**VI**	**25 07 33 34.4**	**30.89S**	**69.71W**	**200**	**3.0D**		**¶97vi3865**
ISC	**VI**	**26 17 55 42**±1.4	**34.6S**±.15	**70.7W**±.20	**106**		**13**	**0-2**
GUC	VI	26 17 55 42.1	34.60S	70.64W	106	3.0D		**¶97vi4178**
ISC	**VI**	**28 23 30 47**±3.2	**33.79S**±.083	**70.8W**±.13	**80**±33		**14**	**0-1**
NEIC	VI	28 23 30 47.1	33.79S	70.82W	80			**¶97vi4543**
GUC	VI	28 23 30 47.3	33.79S	70.82W	78	2.5D		
NEIC	Single network solution.							
ISC	**VI**	**30 12 55 27**±4.6	**33.60S**±.097	**70.9W**±.18	**90**±45		**11**	**0-1**
GUC	VI	30 12 55 27.0	33.61S	70.90W	85	2.2D		**¶97vi4765**
NEIC	VI	30 12 55 27.6	33.59S	70.90W	80			
NEIC	Single network solution.							

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ISC	**I**	**02 16 26 54**±3.3	**23.91S**±.099	**64.9W**±.11	**31**±25	**4.2b**	**20**	**7-133**
NEIC	I	02 16 26 54.1	23.86S	64.96W	33	4.2b		**¶97i0244**
EIDC	I	02 16 26 56.5	23.9S	65.0W	40	4.2b,4.0L		
ISC	**I**	**17 23 40 54**±3.1	**23.9S**±.28	**66.6W**±.25	**214**±21	**3.5b**	**11**	**8-152**
NEIC	I	17 23 40 52.4	23.94S	66.61W	200			**¶97i2563**
EIDC	I	17 23 40 53.9	23.9S	66.6W	195	3.3b		
NEIC	Less reliable solution.							
ISC	**I**	**19 21 29 47**±1.0	**23.19S**±.085	**66.32W**±.092	**218**±11	**4.2b**	**35**	**7-165**
NEIC	I	19 21 29 46.6	23.18S	66.32W	215	4.3b		**¶97i2895**
EIDC	I	19 21 29 48.3	23.2S	66.4W	220	4.0b		
ISC	**I**	**23 02 15 19.8**±.80	**22.05S**±.041	**65.69W**±.036	**247**±7.3	**6.2b**	**658**	**6-180**
MOS	I	23 02 15 19.6	21.9S	65.7W	244	6.9b		**¶97i3422**
EIDC	I	23 02 15 21.4	22.2S	65.9W	267	5.6b		
BJI	I	23 02 15 22.5	21.58S	65.62W	267			
NEIC	I	23 02 15 22.9	22.00S	65.72W	276	6.4b		
HRVD	I	23 02 15 31.9±.1	22.04S±.01	65.92W±.01	282±.3			
NEIC	Mw7.1(HRV), Me6.6(GS)							

NEIC Radiated energy from the P−wave first−motion solution: 1.8±0.3×10^{14}Nm/17

NEIC Mw 7.0 (GS). Felt I=V MM at Antofagasta, Calama and Tocopilla; III MM at Arica, Chile. Felt in northern Jujuy Province, Argentina. Mo=1.6×10^{20}Nm (PPT).

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S170°,δ89°,λ100°. NP2:ϕ_S266°,δ10°,λ6°. Principal axes: T Plg45°,Azm90°; P Plg43°,Azm250°. Two events about 3.0 seconds apart. Depth from broadband displacement seismograms based on first event.

NEIC Moment tensor solution: s37, scale 10^{19}Nm; M_{rr}0.09; $M_{\theta\theta}$0.03; $M_{\phi\phi}$−0.12; $M_{r\theta}$0.31; $M_{r\phi}$−3.54; $M_{\theta\phi}$−0.29. Depth 280km; Principal axes: T 3.58,Plg45°,Azm80°; N −0.02,Plg5°, Azm175°; P −3.56,Plg44°,Azm270°. Best double couple: $M_0$3.6×10^{19}Nm; NP1:ϕ_S78°,δ5°, λ173°. NP2:ϕ_S175°,δ89°,λ85°.

NEIC Felt in Sao Paulo (after TRRB)

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c148; Mantle waves: s63,c152; Half duration: 9^{S}0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.01±.02;

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °

$M_{\theta\theta}$0.03±.02; $M_{\phi\phi}$−0.02±.02; $M_{r\theta}$0.95±.02; $M_{r\phi}$−5.70±.02; $M_{\theta\phi}$−0.37±.02. Principal Axes: T 5.84,Plg45°,Azm77°; N −0.09,Plg4°,Azm171°; P −5.75,Plg45°,Azm264°. Best double couple: $M_0$5.8×10^{19}Nm, NP1:ϕ_S85°,δ4°,λ−175°. NP2:ϕ_S351°,δ90°,λ−86°.

ISC	**I**	**25 11 23 53**±2.0	**23.5S**±.13	**66.7W**±.13	**208**±21	**3.4b**	**10**	**7-94**
NEIC	I	25 11 23 51.8	23.55S	66.71W	200	4.0b		**¶97i3800**
EIDC	I	25 11 23 54.1	23.5S	66.7W	204	3.2b		
NEIC	Less reliable solution.							
ISC	**I**	**30 03 32 53**±2.4	**23.9S**±.17	**66.9W**±.27	**218**±39	3.7b	**9**	**8-144**
NEIC	I	30 03 32 50.4	24.10S	67.19W	200	4.5b		**¶97i4434**
EIDC	I	30 03 32 55.1	23.8S	67.0W	220	3.6b		
NEIC	Poor solution.							
ISC	**II**	**02 16 22 49**±1.4	**23.9S**±.10	**66.6W**±.10	**204**±14	**3.9b**	**24**	**7-145**
NEIC	II	02 16 22 47.3	23.93S	66.60W	196	4.3b		**¶97ii0246**
EIDC	II	02 16 22 50.8	23.8S	66.7W	214	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**06 22 19 32**±1.2	**22.0S**±.11	**65.85W**±.097	**266**±12	**4.0b**	**28**	**6-146**
NEIC	III	06 22 19 31.5	22.04S	65.84W	261	4.2b		**¶97iii1360**
EIDC	III	06 22 19 32.5	22.0S	65.8W	261	3.8b		
ISC	**III**	**12 11 38 07**±1.7	**22.5S**±.18	**66.0W**±.14	**250**±14	**4.1b**	**33**	**6-142**
NEIC	III	12 11 38 06.5	22.54S	66.04W	244	4.6b		**¶97iii2527**
EIDC	III	12 11 38 07.4	22.5S	66.1W	240	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**03 23 55 17**±1.3	**23.08S**±.090	**66.64W**±.090	**215**±13	**3.9b**	**26**	**7-133**
NEIC	IV	03 23 55 16.2	23.11S	66.63W	211	4.3b		**¶97iv0507**
EIDC	IV	03 23 55 16.9	23.0S	66.7W	206	3.6b		
ISC	**IV**	**08 01 25 39**±1.5	**23.92S**±.097	**66.69W**±.096	**203**±13	**4.3b**	**54**	**7-166**
EIDC	IV	08 01 25 37.6	24.0S	66.8W	184	4.1b		**¶97iv1253**
NEIC	IV	08 01 25 38.2	23.94S	66.70W	196	4.6b		
ISC	**IV**	**24 13 56 25**±1.5	**23.1S**±.12	**66.4W**±.14	**249**±16	**3.7b**	**13**	**7-144**
NEIC	IV	24 13 56 25.3	23.15S	66.39W	250	4.0b		**¶97iv4156**
EIDC	IV	24 13 56 26.1	23.1S	66.5W	248	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 10 36 18**±1.9	**23.1S**±.11	**66.7W**±.11	**219**±19	**3.6b**	**16**	**7-133**
NEIC	IV	25 10 36 17.3	23.10S	66.66W	216	4.1b		**¶97iv4323**
EIDC	IV	25 10 36 18.4	23.1S	66.7W	212	3.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**27 05 34 12**±1.4	**24.0S**±.10	**66.86W**±.098	**199**±13	**3.7b**	**24**	**8-144**
NEIC	IV	27 05 34 11.7	23.97S	66.86W	200	3.9b		**¶97iv4669**
EIDC	IV	27 05 34 13.5	23.9S	66.9W	201	3.6b		
ISC	**V**	**03 12 40 22**±1.5	**23.9S**±.10	**66.58W**±.099	**204**±15	**3.7b**	**23**	**7-144**
NEIC	V	03 12 40 21.8	23.92S	66.66W	200	4.4b		**¶97v0440**
EIDC	V	03 12 40 23.1	23.8S	66.7W	195	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**04 01 33 19**±2.0	**23.7S**±.14	**66.9W**±.17	**220**±24	3.5b	**9**	**7-132**
NEIC	V	04 01 33 20.9	23.62S	67.07W	250	4.6b		**¶97v0535**
EIDC	V	04 01 33 21.1	23.6S	67.0W	234	3.4b		
NEIC	Less reliable solution.							
ISC	**V**	**04 09 04 53**±2.1	**24.0S**±.13	**66.7W**±.17	**211**±23	**3.3b**	**10**	**8-132**
NEIC	V	04 09 04 51.8	23.98S	66.74W	200	4.0b		**¶97v0604**
EIDC	V	04 09 04 54.9	23.9S	66.7W	214	3.2b		
NEIC	Less reliable solution.							
ISC	**V**	**16 19 36 35**±1.4	**22.9S**±.15	**66.5W**±.26	**250**	3.5b	**4**	**7-87**
EIDC	V	16 19 36 35.7	22.9S	66.5W	243	3.4b		**¶97v2832**
ISC	Poorly determined							
ISC	**VI**	**02 23 26 13**±1.2	**23.0S**±.13	**66.4W**±.17	**272**±12	**3.9b**	**10**	**1-145**
NEIC	VI	02 23 26 12.2	23.08S	66.28W	250			**¶97vi0351**
EIDC	VI	02 23 26 14.2	22.9S	66.4W	265	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**04 23 55 02.7**±.57	**23.98S**±.058	**66.62W**±.078	**211**±6.1	**4.3b**	**57**	**1-151**
MOS	VI	04 23 55 01.7	23.4S	65.4W	210	4.7b		**¶97vi0688**
NEIC	VI	04 23 55 02.8	23.97S	66.56W	213	4.5b		
EIDC	VI	04 23 55 02.8	23.9S	66.6W	202	4.2b		
ISC	**VI**	**07 17 48 28**±1.6	**23.9S**±.39	**67.0W**±.18	**194**±21	**3.7b**	**15**	**2-144**
NEIC	VI	07 17 48 22.2	24.02S	67.21W	150	4.4b		**¶97vi1124**
EIDC	VI	07 17 48 22.3	24.0S	67.2W	136	3.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**08 02 35 28.3**±.70	**22.70S**±.090	**66.2W**±.13	**266**±6.2	**3.8b**	**19**	**1-130**
NEIC	VI	08 02 35 27.8	22.71S	66.23W	261			**¶97vi1169**
EIDC	VI	08 02 35 28.3	22.7S	66.2W	248	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**26 17 56 50.5**±.53	**22.96S**±.052	**66.54W**±.069	**228**±5.5	**4.1b**	**49**	**1-150**
NEIC	VI	26 17 56 49.5	22.98S	66.59W	220	4.3b		**¶97vi4181**
EIDC	VI	26 17 56 50.4	22.9S	66.6W	212	4.0b		
BJI	VI	26 17 56 51.5	22.90S	66.60W	220			

(129) Salta Province, Argentina.

ISC	**I**	**02 10 18 20**±1.2	**24.00S**±.099	**66.76W**±.095	**205**±12	**4.0b**	**24**	**8-145**
NEIC	I	02 10 18 19.4	23.99S	66.72W	200	4.2b		**¶97i0189**
EIDC	I	02 10 18 20.1	24.0S	66.8W	188	3.8b		
ISC	**I**	**21 17 04 42**±3.5	**24.1S**±.29	**66.8W**±.43	**192**±30	**4.0b**	**21**	**8-152**
EIDC	I	21 17 04 41.9	24.3S	66.9W	176	3.9b		**¶97i3206**
NEIC	I	21 17 04 42.9	24.04S	66.67W	200			
NEIC	Less reliable solution.							
ISC	**II**	**07 03 55 27**±1.2	**24.04S**±.083	**66.76W**±.085	**201**±11	**3.9b**	**33**	**7-143**
NEIC	II	07 03 55 27.0	24.05S	66.76W	200	3.7b		**¶97ii0941**
EIDC	II	07 03 55 27.5	24.0S	66.8W	189	3.9b		
ISC	**II**	**13 02 53 05**±1.8	**24.0S**±.12	**66.7W**±.15	**217**±21	3.3b	**7**	**8-94**
NEIC	II	13 02 53 03.4	24.02S	66.77W	200			**¶97ii1865**
EIDC	II	13 02 53 05.6	23.9S	66.7W	206	3.3b		
NEIC	Less reliable solution.							
ISC	**III**	**11 17 55 17**±1.6	**24.03S**±.094	**67.0W**±.11	**179**±15	**4.1b**	**23**	**8-144**
EIDC	III	11 17 55 17.7	24.0S	67.0W	175	3.8b		**¶97iii2422**
NEIC	III	11 17 55 18.6	24.00S	66.92W	200	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**20 21 58 58**±1.7	**24.19S**±.098	**66.9W**±.10	**184**±17	**3.9b**	**25**	**8-166**
NEIC	III	20 21 58 56.6	24.22S	66.95W	168	4.6b		**¶97iii3957**
EIDC	III	20 21 58 58.2	24.2S	67.0W	170	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**21 06 05 32**±2.2	**25.5S**±.49	**66.5W**±.14	**150**	**3.6b**	**15**	**20-130**
NEIC	III	21 06 05 32.8	25.42S	66.53W	150	3.9b		**¶97iii4011**
EIDC	III	21 06 05 37.1	25.3S	66.5W	171	3.5b		
NEIC	Less reliable solution.							
ISC	**III**	**31 04 57 11**±1.4	**24.1S**±.11	**66.7W**±.14	**209**±18	3.4b	**9**	**8-94**
NEIC	III	31 04 57 10.1	24.09S	66.73W	206			**¶97iii5844**
EIDC	III	31 04 57 10.8	24.0S	66.8W	187	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**07 14 44 05**±4.5	**24.2S**±.36	**66.8W**±.42	**164**±30	3.9b	**7**	**8-131**
NEIC	IV	07 14 44 01.7	24.38S	67.06W	150			**¶97iv1175**
EIDC	IV	07 14 44 03.7	24.4S	67.0W	154	3.9b		
ISC	Poorly determined							
NEIC	Less reliable solution.							
ISC	**IV**	**16 09 09 01.2**±.53	**22.11S**±.051	**63.69W**±.063	**530**±8.5	**3.8b**	**49**	**7-142**
NEIC	IV	16 09 09 00.9	22.12S	63.70W	529	4.1b		**¶97iv2731**
EIDC	IV	16 09 09 01.5	22.0S	63.8W	525	3.6b		
ISC	**IV**	**24 13 48 04**±1.5	**24.45S**±.073	**66.86W**±.098	**173**±14	**4.0b**	**37**	**8-147**
NEIC	IV	24 13 48 04.1	24.46S	66.89W	174	4.2b		**¶97iv4155**
EIDC	IV	24 13 48 04.6	24.5S	67.0W	170	3.9b		
ISC	**V**	**09 01 32 44.1**±.58	**24.27S**±.040	**66.88W**±.056	**177**±5.9	**4.8b**	**121**	**2-167**
MOS	V	09 01 32 44.3	24.3S	67.0W	170	5.3b		**¶97v1341**
EIDC	V	09 01 32 45.4	24.2S	66.9W	177	4.5b		
NEIC	V	09 01 32 45.5	24.32S	66.87W	194	4.9b		
BJI	V	09 01 32 51.5	24.30S	66.80W	194			
HRVD	V	09 01 32 52.7±.7	24.08S±.12	67.07W±.11	211±4.9			
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c12; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.50±.57; $M_{\theta\theta}$−0.54±.92; $M_{\phi\phi}$5.04±.85; $M_{r\theta}$0.68±.81; $M_{r\phi}$−5.39±.67; $M_{\theta\phi}$3.34±.82. Principal Axes: T 8.35,Plg21°,Azm109°; N −0.81, Plg23°,Azm10°; P −7.54,Plg58°,Azm236°. Best double couple: $M_0$7.9×10^{16}Nm, NP1: ϕ_S233°,δ32°,λ−41°. NP2:ϕ_S0°,δ70°,λ−115°.

ISC	**V**	**11 15 49 20.7**±.76	**24.38S**±.040	**66.87W**±.047	**146**±7.7	**4.9b**	**196**	**7-166**
EIDC	V	11 15 49 24.5	24.3S	66.9W	170	4.7b		**¶97v1808**
NEIC	V	11 15 49 24.9	24.60S	66.93W	193	4.9b		
BJI	V	11 15 49 26.9	24.60S	66.90W	193			
MOS	V	11 15 49 27.7	24.0S	66.7W	199	5.2b		
HRVD	V	11 15 49 33.5±1.0	23.95S±.13	66.95W±.12	202±5.1			
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s14,c17; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.49±.35; $M_{\theta\theta}$−1.84±.60; $M_{\phi\phi}$4.33±.66; $M_{r\theta}$2.57±.43; $M_{r\phi}$−4.05±.43; $M_{\theta\phi}$−1.95±.57. Principal Axes: T 7.14,Plg26°,Azm70°; N −1.92, Plg20°,Azm330°; P −5.22,Plg57°,Azm207°. Best double couple: $M_0$6.2×10^{16}Nm, NP1: ϕ_S197°,δ26°,λ−40°. NP2:ϕ_S324°,δ74°,λ−110°.

ISC	**V**	**26 06 58 37**±1.4	**24.08S**±.084	**67.0W**±.10	**185**±13	**4.2b**	**30**	**8-144**
NEIC	V	26 06 58 35.1	24.11S	67.04W	173	4.6b		**¶97v4382**
EIDC	V	26 06 58 36.2	24.1S	67.0W	170	3.9b		
ISC	**VI**	**13 09 17 28.9**±.98	**24.24S**±.088	**67.0W**±.11	**188**±10	**3.7b**	**19**	**1-145**
NEIC	VI	13 09 17 27.7	24.24S	67.02W	178	4.6b		**¶97vi1962**
EIDC	VI	13 09 17 29.0	24.2S	67.0W	176	3.5b		
ISC	**VI**	**15 00 34 48.9**±.50	**24.18S**±.048	**66.81W**±.078	**199**±5.4	**4.3b**	**62**	**1-162**
NEIC	VI	15 00 34 47.7	24.15S	66.85W	185	4.5b		**¶97vi2196**
EIDC	VI	15 00 34 48.5	24.1S	66.9W	178	4.2b		
BJI	VI	15 00 34 52.4	24.07S	66.96W	185			
NEIC	Less reliable solution.							

(130) Catamarca Province, Argentina.

ISC	**I**	**12 08 30 17.5**±.77	**27.94S**±.069	**66.56W**±.079	**163**±11	**4.1b**	**34**	**4-153**
NEIC	I	12 08 30 16.4	27.90S	66.61W	150	4.5b		**¶97i1648**
EIDC	I	12 08 30 20.1	27.8S	66.0W	169	3.8b		
ISC	**II**	**14 18 50 37.2**±.66	**27.98S**±.055	**66.57W**±.068	**159**±8.1	**4.3b**	**67**	**4-165**
MOS	II	14 18 50 25.4	27.9S	65.1W	33	5.3b		**¶97ii2101**
NEIC	II	14 18 50 36.8	27.95S	66.61W	155	4.5b		
BJI	II	14 18 50 38.2	27.98S	66.80W	146			
GUC	II	14 18 50 38.6	28.34S	68.07W	391	4.3D		
EIDC	II	14 18 50 39.3	28.0S	66.5W	167	4.2b		
ISC	**III**	**05 12 15 17**±4.7	**26.46S**±.084	**66.33W**±.093	**8**±31	**4.0b**	**24**	**5-147**
EIDC	III	05 12 15 17.2	26.5S	66.4W	0	3.9b,4.0L		**¶97iii1054**
NEIC	III	05 12 15 20.1	26.50S	66.42W	33	4.2b		
ISC	**III**	**30 03 30 50**±2.4	**25.3S**±.11	**67.2W**±.17	**66**±25	**3.5b**	**9**	**9-95**
NEIC	III	30 03 30 48.1	25.33S	67.24W	50	3.9b		**¶97iii5685**
EIDC	III	30 03 30 50.5	25.4S	67.1W	53	3.6b,3.5L		
NEIC	Less reliable solution.							
ISC	**IV**	**06 12 16 05**±1.9	**28.83S**±.060	**66.40W**±.072	**30**±15	**4.4b**,3.9s	**63**	**3-165**
NEIC	IV	06 12 16 04.8	28.87S	66.38W	29	5.3b		**¶97iv0992**
EIDC	IV	06 12 16 06.2	28.8S	66.5W	26	4.3b,4.4L		
MOS	IV	06 12 16 06.7	28.8S	66.6W	33	5.1b		
NEIC	Felt I=IV MM in southern Catamarca and northern La Rioja Provinces.							
ISC	**IV**	**22 06 12 30**±2.9	**27.94S**±.066	**67.1W**±.10	**22**±21	**4.5b**	**49**	**4-164**
NEIC	IV	22 06 12 31.2	27.94S	67.15W	30	4.8b		**¶97iv3654**
EIDC	IV	22 06 12 32.4	28.0S	67.2W	28	4.4b,3.9L		
MOS	IV	22 06 12 32.8	28.1S	67.4W	33	5.0b		
ISC	**IV**	**28 02 24 33**±1.6	**25.7S**±.25	**67.3W**±.16	**33**	**4.0b**	**11**	**9-146**
EIDC	IV	28 02 24 29.0	26.0S	67.6W	0	3.9b,4.3L		**¶97iv4830**
NEIC	IV	28 02 24 33.7	25.62S	67.22W	33	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**24 20 20 14.9**±.93	**27.81S**±.097	**66.6W**±.14	**158**±15	**3.8b**	**20**	**6-88**
NEIC	V	24 20 20 15.8	27.76S	66.57W	166			**¶97v4168**
EIDC	V	24 20 20 16.4	27.7S	66.6W	156	3.7b		
NEIC	Less reliable solution.							
ISC	**V**	**26 16 29 52.1**±.66	**27.83S**±.049	**66.84W**±.079	**149**±7.8	**4.4b**	**48**	**6-164**
NEIC	V	26 16 29 52.0	27.83S	66.76W	150	4.4b		**¶97v4442**
EIDC	V	26 16 29 52.9	27.8S	66.8W	149	4.2b		
ISC	**VI**	**30 17 09 34.9**±.54	**27.97S**±.052	**66.77W**±.071	**165**±7.3	**4.0b**	**44**	**1-148**
NEIC	VI	30 17 09 33.6	27.96S	66.73W	152	4.1b		**¶97vi4796**
EIDC	VI	30 17 09 35.2	27.9S	66.7W	153	3.9b		

(131) Tucumán Province, Argentina.

ISC	**II**	**26 23 38 29**±1.6	**26.7S**±.12	**64.8W**±.11	**47**±20	**3.8b**	**10**	**6-147**
EIDC	II	26 23 38 21.6	27.3S	65.2W	0	3.9b,4.0L		**¶97ii3879**
NEIC	II	26 23 38 28.8	26.66S	64.86W	50			
NEIC	Less reliable solution.							

NEIC Felt I=III MM at San Miguel de Tucuman. Also felt at Trancas and Vipos.

(132) Santiago del Estero Province, Argentina.

ISC	**VI**	**17 22 14 17**±1.3	**27.71S**±.035	**64.74W**±.038	**27**±9.6	**5.5b,5.4s**	**275**	**4-177**
NEIC	VI	17 22 14 17.3	27.74S	64.75W	28	5.6b,5.5s		**¶97vi2697**
BJI	VI	17 22 14 18.2	27.58S	64.73W	37	5.9s		
MOS	VI	17 22 14 18.6	27.6S	64.8W	33	5.7b		
EIDC	VI	17 22 14 18.6	27.8S	64.9W	25	5.2b,5.1L		
HRVD	VI	17 22 14 23.4±.6	27.99S±.11	64.74W±.07	40±7.0			
NEIC	Mw5.6(HRV)							
NEIC	Minor damage in Tucuman Province. Felt in parts of Catamarca, Santiago del Estero and Tucuman Provinces.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c25; Half duration: 1^{s}5. Moment tensor: Scale 10^{17}Nm; M_{rr}2.99±.27; $M_{\theta\theta}$−1.47±.47; $M_{\phi\phi}$−1.52±.30; $M_{r\theta}$1.88±.79; $M_{r\phi}$−0.16±.51; $M_{\theta\phi}$−0.06±.27. Principal Axes: T 3.69,Plg70°,Azm6°; N −1.53, Plg2°,Azm271°; P −2.16,Plg20°,Azm180°. Best double couple: $M_0$2.9×10^{17}Nm, NP1: ϕ_S267°,δ25°,λ86°. NP2:ϕ_S91°,δ65°,λ92°.

(134) Off coast of Central Chile.

ISC	**I**	**02 07 33 51**±2.2	**30.20S**±.087	**72.8W**±.33	**20**		**11**	**3-14**
NEIC	I	02 07 33 50.1	30.20S	72.91W	20			¶97i0172
NEIC	Poor solution.							
GUC	**I**	**06 22 52 41.7**	**29.87S**	**72.09W**	**33**			¶97i0848
ISC	**I**	**16 14 18 22**±9.5	**32.4S**±.50	**72.0W**±.54	**10**		**11**	**1-2**
NEIC	I	16 14 18 22.2	32.43S	72.01W	10			¶97i2321
GUC	I	16 14 18 27.6	32.62S	71.75W	15	3.4D		
NEIC	Poor solution.							
GUC	**I**	**17 13 20 21.9**	**39.08S**	**75.55W**	**33**	**4.2D**		¶97i2458
ISC	**I**	**17 13 55 43**±2.4	**30.30S**±.089	**73.0W**±.40	**58**±17	**4.4b**	**17**	**3-75**
GUC	I	17 13 55 29.6	29.16S	72.64W	33	4.7D		¶97i2464
NEIC	I	17 13 55 44.1	30.23S	72.51W	50	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**19 09 32 47**±1.7	**30.11S**±.079	**72.5W**±.26	**33**		**14**	**3-14**
NEIC	I	19 09 32 45.7	30.11S	72.74W	33	3.8b		¶97i2812
GUC	I	19 09 32 49.3	30.30S	72.48W	33	4.5D		
NEIC	Less reliable solution.							
ISC	**I**	**22 02 41 06**±14	**32.3S**±.70	**72.2W**±.87	**35**		**11**	**1-2**
NEIC	I	22 02 41 09.0	32.55S	71.93W	20			¶97i3271
GUC	I	22 02 41 13.7	32.79S	71.67W	35	3.5D		
NEIC	Poor solution.							
ISC	**I**	**22 05 21 20**±5.2	**33.0S**±.18	**72.0W**±.38	**10**		**11**	**1-2**
NEIC	I	22 05 21 19.8	32.96S	72.02W	10			¶97i3283
GUC	I	22 05 21 22.5	33.02S	71.91W	16	3.3D		
NEIC	Poor solution.							
ISC	**I**	**24 23 04 46**±10	**33.2S**±.26	**72.5W**±.85	**30**		**10**	**1-2**
NEIC	I	24 23 04 45.9	33.16S	72.50W	33			¶97i3700
GUC	I	24 23 04 46.0	33.21S	72.44W	30	3.7D		
NEIC	Poor solution.							
ISC	**I**	**29 14 34 29**±13	**32.4S**±.68	**72.1W**±.81	**29**		**12**	**1-2**
NEIC	I	29 14 34 29.7	32.39S	72.10W	33			¶97i4367
GUC	I	29 14 34 35.4	32.71S	71.71W	29	3.5D		
NEIC	Poor solution.							
ISC	**I**	**30 21 33 49**±9.7	**33.0S**±.27	**72.4W**±.81	**38**		**13**	**1-2**
NEIC	I	30 21 33 46.6	33.03S	72.48W	10			¶97i4543
GUC	I	30 21 33 52.4	33.14S	72.11W	38	3.4D		
NEIC	Poor solution.							
ISC	**II**	**06 17 07 29**±14	**32.3S**±.72	**72.1W**±.82	**26**		**12**	**1-3**
NEIC	II	06 17 07 33.4	32.54S	71.85W	20			¶97ii0875
GUC	II	06 17 07 36.5	32.70S	71.71W	26	3.8D		
NEIC	Poor solution.							
ISC	**II**	**08 11 33 51**±9.1	**33.9S**±.14	**72.5W**±.80	**28**		**12**	**1-2**
GUC	II	08 11 33 50.1	33.90S	72.56W	28	4.1D		¶97ii1132
ISC	**II**	**17 22 15 55**±8.8	**34.0S**±.16	**72.4W**±.78	**35**		**11**	**1-2**
GUC	II	17 22 15 54.8	33.97S	72.34W	34	3.5D		¶97ii2555
NEIC	II	17 22 15 56.9	33.96S	72.20W	35			
NEIC	Poor solution.							
ISC	**II**	**18 14 57 30**±6.1	**33.0S**±.22	**72.1W**±.47	**20**		**12**	**1-2**
NEIC	II	18 14 57 29.4	32.96S	72.14W	20			¶97ii2660
GUC	II	18 14 57 29.8	32.96S	72.13W	33	3.7D		
NEIC	Poor solution.							
ISC	**II**	**21 00 03 54**±10	**33.1S**±.24	**72.1W**±.61	**7**±28		**9**	**1-2**
GUC	II	21 00 03 56.4	33.12S	72.03W	13			¶97ii2993
NEIC	II	21 00 03 57.5	33.11S	71.86W	10			
NEIC	Poor solution.							
ISC	**II**	**26 14 03 44**±7.5	**33.2S**±.21	**72.2W**±.66	**41**		**11**	**1-2**
GUC	II	26 14 03 43.8	33.09S	72.15W	41			¶97ii3799
NEIC	II	26 14 03 44.2	33.16S	72.20W	33			
NEIC	Poor solution.							
GUC	**II**	**28 13 48 36.8**	**33.27S**	**72.83W**	**33**	**3.9D**		¶97ii4263
ISC	**III**	**06 04 24 35**±13	**32.3S**±.80	**72.0W**±.68	**15**		**7**	**1-2**
NEIC	III	06 04 24 39.8	32.64S	71.80W	15			¶97iii1190
GUC	III	06 04 24 40.5	32.63S	71.77W	42	3.1D		
NEIC	Poor solution.							
ISC	**III**	**09 01 45 16**±5.7	**37.30S**±.082	**75.5W**±.14	**12**±32	**4.7b,4.5s**	**44**	**2-159**
GUC	III	09 01 45 17.4	37.24S	75.63W	33	4.6D		¶97iii1880
NEIC	III	09 01 45 18.4	37.36S	75.48W	33	4.5b		
EIDC	III	09 01 45 20.3	37.5S	75.7W	40	4.3b,4.5s		
ISC	**III**	**10 00 48 51**±1.5	**30.3S**±.16	**72.1W**±.42	**33**	3.3b	**13**	**3-99**
								¶97iii2122
ISC	**III**	**13 12 54 27**±7.7	**33.6S**±.11	**72.3W**±.70	**40**		**12**	**1-2**
NEIC	III	13 12 54 27.9	33.60S	72.27W	40			¶97iii2706
GUC	III	13 12 54 28.7	33.60S	72.14W	42	3.6D		
NEIC	Poor solution.							
ISC	**III**	**14 05 02 26**±5.0	**33.0S**±.18	**72.0W**±.38	**15**		**13**	**1-2**
NEIC	III	14 05 02 25.6	32.96S	72.09W	15			¶97iii2813
GUC	III	14 05 02 26.8	33.01S	72.06W	17	3.6D		
NEIC	Poor solution.							
GUC	**III**	**20 00 48 57.5**	**32.40S**	**72.73W**	**23**	**3.8D**		¶97iii3802
ISC	**III**	**20 06 48 01**±11	**34.0S**±.15	**72.4W**±.97	**36**		**10**	**1-2**
GUC	III	20 06 47 58.1	33.98S	72.54W	36	3.6D		¶97iii3857
ISC	**III**	**26 02 27 59**±11	**33.5S**±.12	**72.2W**±.81	**15**±25		**12**	**1-2**
NEIC	III	26 02 27 56.9	33.47S	72.31W	10			¶97iii4829
GUC	III	26 02 27 58.2	33.48S	72.29W	15	4.4D		
GUC	**III**	**26 18 34 45.9**	**31.14S**	**72.14W**	**13**			¶97iii5053
GUC	**III**	**27 03 57 23.9**	**31.05S**	**72.00W**	**14**	**3.7D**		¶97iii5137
ISC	**III**	**28 04 47 25**±12	**33.0S**±.27	**72.2W**±.67	**6**±29		**11**	**1-2**
NEIC	III	28 04 47 24.2	32.96S	72.22W	5			¶97iii5363
GUC	III	28 04 47 27.2	33.04S	72.06W	6	3.7D		
NEIC	Single network solution.							
ISC	**III**	**31 01 11 52**±5.6	**33.5S**±.11	**72.4W**±.31	**8**±23		**14**	**1-18**
NEIC	III	31 01 11 51.3	33.48S	72.38W	10			¶97iii5823
GUC	III	31 01 11 52.9	33.50S	72.26W	4	4.5D		
NEIC	Less reliable solution.							
ISC	**III**	**31 13 05 54**±17	**30.4S**±.97	**72.1W**±.99	**27**		**9**	**3-4**
GUC	III	31 13 06 03.0	30.99S	71.60W	27	3.8D		¶97iii5891
ISC	**IV**	**02 02 54 13**±4.4	**33.5S**±.11	**72.2W**±.36	**10**		**11**	**1-2**
NEIC	IV	02 02 54 12.3	33.49S	72.24W	10			¶97iv0179
GUC	IV	02 02 54 12.4	33.49S	72.24W	7	3.7D		
NEIC	Poor solution.							
ISC	**IV**	**02 13 50 43**±5.6	**33.5S**±.11	**72.2W**±.47	**15**		**12**	**1-2**
GUC	IV	02 13 50 40.6	33.49S	72.38W	15	3.9D		¶97iv0253
NEIC	IV	02 13 50 42.2	33.48S	72.20W	15			
NEIC	Poor solution.							
ISC	**IV**	**04 09 30 10**±18	**32.5S**±.60	**72.0W**±.74	**2**±64		**12**	**1-2**
NEIC	IV	04 09 30 13.0	32.56S	71.93W	15			¶97iv0586
GUC	IV	04 09 30 16.9	32.72S	71.73W	15	3.3D		
NEIC	Poor solution.							
ISC	**IV**	**06 23 46 58**±1.5	**29.0S**±.12	**72.1W**±.27	**33**	3.3b	**12**	**4-97**
								¶97iv1077
ISC	**IV**	**11 03 07 48**±8.8	**32.9S**±.31	**72.2W**±.70	**31**		**12**	**1-2**
GUC	IV	11 03 07 49.3	33.00S	72.04W	31	3.1D		¶97iv1790
NEIC	IV	11 03 07 49.5	33.00S	72.00W	20			
NEIC	Poor solution.							
ISC	**IV**	**18 05 24 40**±1.6	**31.27S**±.076	**72.1W**±.22	**10**		**15**	**2-15**
NEIC	IV	18 05 24 40.2	31.24S	72.03W	10			¶97iv3021
NEIC	Poor solution.							
ISC	**IV**	**29 13 41 13**±11	**33.2S**±.18	**72.3W**±.64	**9**±30		**11**	**1-2**
NEIC	IV	29 13 41 12.4	33.24S	72.30W	10			¶97iv5082
GUC	IV	29 13 41 14.2	33.26S	72.26W	15	3.6D		
NEIC	Poor solution.							
ISC	**V**	**03 23 29 36**±1.4	**38.8S**±.10	**74.6W**±.18	**33**	**3.4b**	**14**	**4-87**
EIDC	V	03 23 29 28.2	40.3S	75.8W	0	3.5b,3.5L		¶97v0517
NEIC	V	03 23 29 36.2	38.83S	74.57W	33			
NEIC	Less reliable solution.							
GUC	**V**	**09 09 25 49.5**	**32.56S**	**72.91W**	**22**	**3.6D**		¶97v1402
GUC	**V**	**14 09 05 52.3**	**32.70S**	**72.99W**	**29**	**3.3D**		¶97v2420
GUC	**V**	**14 11 05 46.5**	**31.08S**	**72.29W**	**15**	**3.7D**		¶97v2436
ISC	**V**	**18 21 18 52**±8.4	**32.7S**±.29	**72.7W**±.65	**10**		**12**	**1-2**
NEIC	V	18 21 18 53.3	32.73S	72.57W	10			¶97v3147
GUC	V	18 21 18 58.4	32.87S	72.28W	34	4.1D		
NEIC	Poor solution.							
ISC	**V**	**21 09 11 21**±5.2	**33.70S**±.086	**72.1W**±.48	**20**		**11**	**0-2**
GUC	V	21 09 11 21.3	33.67S	72.06W	15	3.8D		¶97v3536
NEIC	V	21 09 11 24.6	33.66S	71.74W	20			
NEIC	Single network solution.							
GUC	**V**	**23 03 15 41.2**	**33.26S**	**72.86W**	**31**	**4.0D**		¶97v3877
GUC	**V**	**24 06 19 08.4**	**33.35S**	**72.87W**	**30**	**3.4D**		¶97v4064
ISC	**VI**	**01 12 26 06**±7.1	**33.6S**±.11	**72.1W**±.58	**22**±18		**10**	**0-2**
GUC	VI	01 12 26 06.6	33.61S	71.99W	15	3.5D		¶97vi0083
GUC	**VI**	**08 07 15 17.4**	**37.58S**	**74.05W**	**10**	**4.1D**		¶97vi1194
ISC	**VI**	**08 15 20 49**±8.2	**31.4S**±.41	**72.1W**±.58	**26**		**13**	**2-3**
GUC	VI	08 15 20 51.3	31.54S	71.96W	26	4.2D		¶97vi1254
GUC	**VI**	**09 02 46 57.4**	**33.55S**	**72.29W**	**33**			¶97vi1321
GUC	**VI**	**12 13 26 56.3**	**33.97S**	**73.29W**	**27**	**3.4D**		¶97vi1853
GUC	**VI**	**14 07 29 46.0**	**31.49S**	**72.20W**	**17**	**3.8D**		¶97vi2100
GUC	**VI**	**15 00 27 09.3**	**29.85S**	**72.05W**	**33**	**3.5D**		¶97vi2195
ISC	**VI**	**22 06 09 12**±10	**30.7S**±.60	**72.1W**±.62	**26**		**13**	**2-4**
GUC	VI	22 06 09 19.0	31.23S	71.92W	26	4.0D		¶97vi3335
ISC	**VI**	**22 22 12 30**±7.8	**33.2S**±.15	**72.2W**±.50	**8**±19		**13**	**1-2**
GUC	VI	22 22 12 29.3	33.14S	72.36W	28	4.0D		¶97vi3447
NEIC	VI	22 22 12 32.2	33.19S	72.10W	20			
NEIC	Poor solution.							
GUC	**VI**	**23 02 26 38.1**	**33.87S**	**73.13W**	**31**	**3.8D**		¶97vi3474
ISC	**VI**	**23 23 05 03**±8.6	**33.3S**±.20	**72.1W**±.63	**16**±20		**11**	**1-2**
GUC	VI	23 23 04 59.8	33.27S	72.39W	22	3.7D		¶97vi3604
ISC	**VI**	**24 00 26 14**±3.0	**33.25S**±.091	**72.3W**±.22	**19**±18		**19**	**1-28**
NEIC	VI	24 00 26 13.3	33.26S	72.44W	20			¶97vi3611
GUC	VI	24 00 26 13.5	33.29S	72.44W	14	4.3D		
NEIC	Less reliable solution.							
ISC	**VI**	**24 15 32 17**±14	**30.8S**±.76	**72.3W**±.91	**27**		**10**	**3-4**
GUC	VI	24 15 32 11.3	30.36S	72.29W	27	3.9D		¶97vi3739

(135) Near coast of Central Chile.

ISC	**I**	**01 03 53 58**±5.6	**33.3S**±.13	**71.9W**±.44	**20**±14		**12**	**0-2**
NEIC	I	01 03 53 58.3	33.29S	71.91W	20			¶97i0022
GUC	I	01 03 53 59.1	33.31S	71.89W	25	3.8D		
NEIC	Single network solution.							
ISC	**I**	**01 12 54 04**±4.5	**32.8S**±.24	**71.4W**±.23	**55**±40		**12**	**0-2**
NEIC	I	01 12 54 03.9	32.86S	71.36W	50			¶97i0075
GUC	I	01 12 54 04.7	32.92S	71.28W	46	3.7D		
NEIC	Single network solution.							
ISC	**I**	**01 22 51 38**±1.3	**33.7S**±.18	**71.0W**±.21	**100**		**6**	**0-1**
NEIC	I	01 22 51 37.8	33.70S	71.05W	100			¶97i0135
NEIC	Single network solution.							
ISC	**I**	**04 03 23 31**±5.6	**33.0S**±.21	**71.5W**±.34	**50**±51		**9**	**0-1**
NEIC	I	04 03 23 30.3	32.95S	71.52W	50			¶97i0469
GUC	I	04 03 23 31.1	33.02S	71.42W	48	2.9D		
NEIC	Single network solution.							
ISC	**I**	**04 04 14 08**±10	**32.3S**±.61	**71.7W**±.56	**36**		**11**	**1-2**
NEIC	I	04 04 14 09.0	32.35S	71.67W	33			¶97i0478
GUC	I	04 04 14 11.0	32.52S	71.57W	36	3.6D		
NEIC	Poor solution.							
ISC	**I**	**04 09 13 19**±2.7	**32.9S**±.16	**71.2W**±.16	**43**±31		**12**	**0-2**
NEIC	I	04 09 13 19.3	32.98S	71.15W	33			¶97i0514
GUC	I	04 09 13 19.6	33.02S	71.11W	34	3.8D		
NEIC	Single network solution.							
ISC	**I**	**04 11 21 45.5**±.97	**29.95S**±.062	**71.61W**±.080	**41**±11	**4.7b**,4.3s	**78**	**3-160**
GUC	I	04 11 21 39.9	29.70S	72.51W	48	4.8D		¶97i0530
NEIC	I	04 11 21 45.2	29.94S	71.57W	39	4.8b		
EIDC	I	04 11 21 45.6	30.0S	71.6W	31	4.5b,4.7s		
NEIC	Felt I=III MM at La Serena.							
ISC	**I**	**04 21 42 39**±10	**32.4S**±.56	**71.9W**±.60	**30**		**12**	**1-2**
NEIC	I	04 21 42 39.5	32.47S	71.87W	33			¶97i0588
GUC	I	04 21 42 43.7	32.72S	71.58W	30	3.5D		
NEIC	Poor solution.							
ISC	**I**	**05 09 32 46**±4.0	**32.4S**±.29	**71.4W**±.26	**71**		**11**	**1-2**
NEIC	I	05 09 32 45.5	32.40S	71.36W	70			¶97i0650
GUC	I	05 09 32 46.6	32.47S	71.26W	71	2.9D		
NEIC	Poor solution.							
GUC	**I**	**06 11 19 42.1**	**30.96S**	**71.58W**	**27**	**3.7D**		¶97i0780
ISC	**I**	**07 02 13 22**±6.1	**33.0S**±.24	**71.8W**±.41	**67**±40		**11**	**1-2**
NEIC	I	07 02 13 23.2	33.00S	71.71W	50			¶97i0870
GUC	I	07 02 13 23.6	33.04S	71.61W	56	2.6D		
NEIC	Single network solution.							
ISC	**I**	**12 07 39 53**±4.0	**33.2S**±.14	**71.5W**±.24	**57**±39		**13**	**0-1**
GUC	I	12 07 39 53.4	33.20S	71.43W	53	3.4D		¶97i1640
NEIC	I	12 07 39 53.9	33.19S	71.42W	50			
NEIC	MD3.4(SAN), Single network solution.							
ISC	**I**	**15 01 10 41**±3.7	**34.0S**±.12	**71.3W**±.18	**81**±34		**13**	**0-1**
NEIC	I	15 01 10 41.3	34.00S	71.28W	80			¶97i2078
GUC	I	15 01 10 41.5	34.00S	71.25W	80	3.7D		
NEIC	Less reliable solution.							
ISC	**I**	**16 03 11 32**±3.7	**31.9S**±.20	**71.7W**±.27	**15**		**12**	**1-3**
GUC	I	16 03 11 29.0	31.74S	71.80W	15	4.1D		¶97i2247
ISC	**I**	**16 11 43 51**±3.4	**33.2S**±.12	**71.1W**±.16	**61**±40		**10**	**0-1**
GUC	I	16 11 43 50.2	33.23S	71.09W	62			¶97i2305
NEIC	I	16 11 43 50.4	33.24S	71.11W	60			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		Single network solution.						
ISC	**I**	**17 07 21 01**±15	**35.0S**±.84	**72.0W**±.86	**34**		**12**	**1-3**
GUC	I	17 07 21 03.8	34.83S	71.71W	34	4.1D		¶97i2415
GUC	**I**	**17 08 05 41.2**	**32.09S**	**71.82W**	**27**	**3.8D**		¶97i2417
ISC	**I**	**18 06 00 05**±5.4	**34.0S**±.13	**72.2W**±.45	**10**		**12**	**1-2**
NEIC	I	18 06 00 05.2	34.02S	72.22W	10			¶97i2609
GUC	I	18 06 00 06.6	33.98S	72.22W	16	3.4D		
NEIC		Poor solution.						
ISC	**I**	**19 02 54 51**±1.7	**30.1S**±.10	**71.8W**±.21	**35**±19	**3.9b**	**23**	**3-151**
GUC	I	19 02 54 50.4	30.35S	72.54W	33	4.6D		¶97i2768
NEIC	I	19 02 54 51.0	30.12S	71.72W	33			
EIDC	I	19 02 54 51.8	30.3S	71.7W	31	3.8b,4.0L		
NEIC		Less reliable solution.						
ISC	**I**	**19 04 53 36**±1.8	**34.3S**±.24	**71.7W**±.52	**250**		**10**	**0-2**
GUC	I	19 04 53 34.9	34.38S	71.73W	254			¶97i2781
NEIC	I	19 04 53 37.0	34.10S	71.58W	250			
NEIC		Poor solution.						
GUC	**I**	**19 20 23 12.9**	**29.80S**	**71.98W**	**33**	**3.9D**		¶97i2881
ISC	**I**	**20 01 11 08**±1.0	**30.11S**±.058	**71.8W**±.13	**36**±12	**4.3b**	**34**	**3-151**
GUC	I	20 01 10 51.6	29.16S	73.03W	57	4.8D		¶97i2919
NEIC	I	20 01 11 07.0	30.11S	71.92W	33	4.6b		
EIDC	I	20 01 11 08.1	30.2S	71.9W	30	4.3b,4.0L		
ISC	**I**	**21 12 19 15**±5.0	**32.3S**±.31	**71.6W**±.22	**3**		**11**	**1-2**
GUC	I	21 12 19 14.3	32.33S	71.66W	3	3.5D		¶97i3178
ISC	**I**	**21 14 55 08**±4.7	**32.0S**±.25	**71.7W**±.37	**56**±65		**14**	**1-3**
GUC	I	21 14 55 09.9	32.17S	71.60W	40			¶97i3197
GUC	**I**	**21 15 13 54.3**	**30.85S**	**71.72W**	**12**			¶97i3201
GUC	**I**	**21 22 03 38.2**	**32.06S**	**71.60W**	**25**	**3.7D**		¶97i3237
GUC	**I**	**23 01 31 18.5**	**31.76S**	**71.76W**	**32**	**3.4D**		¶97i3418
ISC	**I**	**23 08 11 07**±11	**32.5S**±.61	**71.5W**±.56	**22**±19		**6**	**1-2**
NEIC	I	23 08 11 08.0	32.56S	71.44W	33			¶97i3465
GUC	I	23 08 11 08.4	32.62S	71.43W	31			
NEIC		Poor solution.						
ISC	**I**	**23 11 48 53**±1.2	**31.7S**±.10	**71.2W**±.15	**82**±15	**3.7b**	**23**	**1-152**
NEIC	I	23 11 48 52.4	31.70S	71.22W	81	3.6b		¶97i3493
GUC	I	23 11 48 53.7	31.80S	71.31W	39	4.3D		
EIDC	I	23 11 48 54.5	31.7S	71.2W	83	3.7b		
ISC	**I**	**24 05 36 03**±9.1	**32.5S**±.52	**71.6W**±.40	**15**		**8**	**1-2**
GUC	I	24 05 35 57.5	32.16S	71.78W	15	3.4D		¶97i3602
GUC	**I**	**25 10 23 38.5**	**31.74S**	**71.70W**	**15**	**3.5D**		¶97i3790
ISC	**I**	**25 20 14 12**±7.5	**32.4S**±.45	**71.7W**±.34	**15**		**12**	**1-2**
GUC	I	25 20 14 11.1	32.27S	71.76W	19	3.8D		¶97i3849
NEIC	I	25 20 14 12.5	32.38S	71.67W	15			
NEIC		Poor solution.						
ISC	**I**	**26 11 22 39**±1.4	**30.1S**±.10	**71.3W**±.15	**76**±17	**4.0b**	**23**	**3-124**
GUC	I	26 11 22 27.8	29.38S	71.93W	33	4.7D		¶97i3933
NEIC	I	26 11 22 34.6	29.81S	71.40W	33			
EIDC	I	26 11 22 37.3	30.2S	71.2W	45	4.1b,4.2L		
NEIC		Less reliable solution.						
NEIC		Felt I=IV MM at Combarbala, Coquimbo, La Serena, Ovalle, Punitaqui and Vicuna; III MM at Illapel.						
ISC	**I**	**27 00 48 18**±18	**31S**±1.2	**71.5W**±.57	**83**±54		**11**	**1-3**
GUC	I	27 00 48 23.0	32.14S	71.37W	60	3.1D		¶97i4025
GUC	**I**	**28 00 52 37.4**	**30.32S**	**71.82W**	**119**			¶97i4150
ISC	**I**	**28 17 41 50**±4.3	**32.9S**±.21	**71.4W**±.24	**50**±41		**12**	**0-2**
NEIC	I	28 17 41 49.5	32.89S	71.45W	50			¶97i4235
GUC	I	28 17 41 50.0	32.92S	71.38W	50	3.7D		
NEIC		Single network solution.						
GUC	**I**	**30 22 59 33.6**	**34.69S**	**71.82W**	**35**	**3.5D**		¶97i4557
ISC	**I**	**31 20 16 33**±3.4	**32.7S**±.18	**71.1W**±.17	**9**±12		**10**	**0-2**
NEIC	I	31 20 16 32.7	32.67S	71.08W	10			¶97i4668
GUC	I	31 20 16 33.3	32.66S	71.03W	10	3.2D		
NEIC		Single network solution.						
ISC	**II**	**01 01 36 22**±4.8	**31.8S**±.27	**71.6W**±.35	**14**		**12**	**1-3**
GUC	II	01 01 36 18.5	31.61S	71.74W	14	4.0D		¶97ii0010
ISC	**II**	**01 13 26 39**±6.1	**34.1S**±.17	**72.2W**±.54	**35**		**11**	**1-2**
GUC	II	01 13 26 40.8	34.09S	71.97W	35			¶97ii0075
NEIC	II	01 13 26 42.0	34.04S	71.93W	33			
NEIC		Poor solution.						
ISC	**II**	**02 05 37 51**±6.7	**32.6S**±.38	**71.7W**±.36	**20**		**11**	**1-2**
NEIC	II	02 05 37 50.2	32.62S	71.70W	20			¶97ii0177
GUC	II	02 05 37 50.7	32.62S	71.70W	20			
NEIC		Poor solution.						
ISC	**II**	**02 07 33 38**±10	**31.9S**±.69	**71.6W**±.36	**1**		**9**	**1-3**
GUC	II	02 07 33 34.4	31.64S	71.70W	1			¶97ii0190
ISC	**II**	**02 11 06 51**±18	**32.4S**±.61	**72.0W**±.67	**5**±64		**12**	**1-2**
NEIC	II	02 11 06 53.5	32.47S	71.91W	20			¶97ii0213
GUC	II	02 11 06 57.3	32.64S	71.71W	26			
NEIC		Poor solution.						
ISC	**II**	**03 09 34 09**±1.9	**33.59S**±.075	**71.7W**±.21	**40**		**13**	**0-1**
GUC	II	03 09 34 09.2	33.59S	71.61W	40	3.5D		¶97ii0357
NEIC	II	03 09 34 09.8	33.60S	71.59W	33			
NEIC		Single network solution.						
GUC	**II**	**03 11 40 01.9**	**34.74S**	**72.88W**	**14**			¶97ii0371
ISC	**II**	**03 17 07 08**±2.9	**33.82S**±.085	**71.0W**±.12	**68**±32		**12**	**0-1**
NEIC	II	03 17 07 07.2	33.82S	70.99W	70			¶97ii0405
GUC	II	03 17 07 07.3	33.83S	71.00W	69			
NEIC		Single network solution.						
ISC	**II**	**04 06 41 43**±4.0	**32.4S**±.33	**71.0W**±.25	**71**		**8**	**0-2**
NEIC	II	04 06 41 43.1	32.39S	70.99W	70			¶97ii0479
GUC	II	04 06 41 43.4	32.41S	70.98W	71	2.5D		
NEIC		Poor solution.						
GUC	**II**	**04 23 04 37.2**	**31.52S**	**71.73W**	**33**	**3.3D**		¶97ii0604
ISC	**II**	**06 17 11 53**±2.7	**32.8S**±.13	**71.6W**±.20	**20**		**14**	**1-3**
NEIC	II	06 17 11 48.6	32.52S	71.89W	20			¶97ii0876
GUC	II	06 17 11 52.1	32.69S	71.70W	33	4.1D		
NEIC		Poor solution.						
GUC	**II**	**06 17 21 38.4**	**32.68S**	**71.71W**	**25**	**4.0D**		¶97ii0879
NEIC	II	06 17 21 36.5	32.59S	71.79W	20			
NEIC		Poor solution.						
ISC	**II**	**06 17 30 47**±6.8	**32.5S**±.35	**71.9W**±.43	**20**		**12**	**1-2**
NEIC	II	06 17 30 47.4	32.52S	71.90W	20			¶97ii0880
GUC	II	06 17 30 50.6	32.65S	71.72W	25	3.4D		
NEIC		Poor solution.						
ISC	**II**	**07 01 03 47**±11	**32.2S**±.71	**71.8W**±.40	**15**		**10**	**1-2**
GUC	II	07 01 03 46.1	32.15S	71.78W	15	3.4D		¶97ii0929
ISC	**II**	**07 01 32 46**±7.8	**32.2S**±.47	**71.9W**±.39	**19**		**12**	**1-3**
GUC	II	07 01 32 46.8	32.24S	71.86W	19	3.7D		¶97ii0930
ISC	**II**	**07 10 57 09**±6.1	**34.0S**±.15	**72.2W**±.55	**35**		**11**	**1-2**
GUC	II	07 10 57 06.9	34.03S	72.29W	35	3.7D		¶97ii0980
ISC	**II**	**08 06 24 24**±3.7	**32.8S**±.16	**71.8W**±.30	**32**		**14**	**1-3**
NEIC	II	08 06 24 18.0	32.53S	72.14W	33			¶97ii1103
GUC	II	08 06 24 21.7	32.73S	71.85W	32	4.5D		
NEIC		Poor solution.						
ISC	**II**	**08 18 10 10**±3.2	**34.1S**±.12	**71.6W**±.25	**48**±31		**9**	**0-1**
NEIC	II	08 18 10 09.3	34.06S	71.58W	50			¶97ii1181
GUC	II	08 18 10 09.5	34.08S	71.53W	48			
NEIC		Single network solution.						
ISC	**II**	**08 21 09 52**±9.0	**34.7S**±.55	**71.1W**±.20	**70**±58		**12**	**0-2**
GUC	II	08 21 09 48.0	34.92S	71.14W	95			¶97ii1206
ISC	**II**	**09 01 39 25**±6.2	**32.7S**±.32	**71.8W**±.36	**15**		**10**	**1-2**
NEIC	II	09 01 39 24.8	32.64S	71.76W	15			¶97ii1234
GUC	II	09 01 39 26.6	32.72S	71.71W	15	3.1D		
NEIC		Poor solution.						
GUC	**II**	**09 04 09 36.3**	**30.92S**	**71.66W**	**50**	**3.9D**		¶97ii1250
GUC	**II**	**09 08 54 41.4**	**31.38S**	**71.76W**	**16**	**3.8D**		¶97ii1284
ISC	**II**	**09 18 28 08**±3.2	**32.1S**±.17	**71.6W**±.23	**15**		**13**	**1-3**
GUC	II	09 18 28 05.5	31.95S	71.61W	15	4.2D		¶97ii1339
NEIC	II	09 18 28 05.5	32.01S	71.68W	15			
NEIC		Poor solution.						
ISC	**II**	**10 10 47 24**±9.8	**32.1S**±.65	**71.7W**±.33	**20**		**12**	**1-3**
GUC	II	10 10 47 22.6	32.05S	71.68W	22	3.9D		¶97ii1443
NEIC	II	10 10 47 23.8	32.13S	71.63W	20			
NEIC		Poor solution.						
ISC	**II**	**10 12 24 57**±4.7	**33.60S**±.089	**71.9W**±.41	**23**±12		**11**	**0-1**
GUC	II	10 12 24 56.4	33.59S	71.96W	24	3.3D		¶97ii1458
NEIC	II	10 12 24 57.7	33.59S	71.82W	25			
NEIC		Single network solution.						
ISC	**II**	**11 07 14 57**±2.9	**34.9S**±.25	**71.1W**±.24	**94**		**12**	**0-2**
NEIC	II	11 07 14 56.5	34.89S	71.08W	100			¶97ii1600
GUC	II	11 07 14 57.1	34.88S	71.12W	94	3.0D		
NEIC		Poor solution.						
ISC	**II**	**11 17 21 16**±4.0	**33.0S**±.17	**71.1W**±.16	**70**±37		**12**	**0-2**
GUC	II	11 17 21 16.2	33.05S	71.04W	64	2.5D		¶97ii1651
NEIC	II	11 17 21 16.5	33.06S	71.05W	60			
NEIC		Single network solution.						
ISC	**II**	**13 00 57 17**±2.6	**33.40S**±.094	**71.6W**±.25	**24**±8.9		**12**	**0-1**
GUC	II	13 00 57 17.0	33.37S	71.68W	27	3.6D		¶97ii1849
NEIC	II	13 00 57 17.0	33.39S	71.67W	25			
NEIC		Single network solution.						
ISC	**II**	**13 01 30 01**±2.5	**32.6S**±.13	**71.7W**±.17	**5**		**14**	**1-3**
NEIC	II	13 01 29 59.0	32.50S	71.75W	5			¶97ii1853
GUC	II	13 01 30 02.1	32.60S	71.59W	7	4.2D		
NEIC		Poor solution.						
ISC	**II**	**15 00 38 28**±2.7	**32.5S**±.14	**71.5W**±.19	**10**		**13**	**1-3**
GUC	II	15 00 38 24.4	32.26S	71.66W	9			¶97ii2142
NEIC	II	15 00 38 25.7	32.37S	71.61W	10			
NEIC		Poor solution.						
ISC	**II**	**15 00 39 18**±1.2	**32.0S**±.10	**71.6W**±.21	**44**		**13**	**1-21**
GUC	II	15 00 39 20.3	32.28S	71.61W	44			¶97ii2143
ISC	**II**	**15 02 47 12**±8.3	**32.5S**±.47	**71.6W**±.41	**14**		**9**	**1-2**
GUC	II	15 02 47 11.2	32.41S	71.70W	14	3.0D		¶97ii2164
ISC	**II**	**15 10 27 23**±6.9	**32.4S**±.43	**71.6W**±.30	**10**		**12**	**1-2**
GUC	II	15 10 27 19.8	32.19S	71.70W	15	4.3D		¶97ii2215
NEIC	II	15 10 27 21.2	32.36S	71.62W	10			
NEIC		Poor solution.						
ISC	**II**	**16 00 23 24**±6.1	**32.6S**±.31	**71.9W**±.36	**10**		**12**	**1-2**
NEIC	II	16 00 23 26.4	32.75S	71.73W	10			¶97ii2316
GUC	II	16 00 23 27.3	32.75S	71.66W	7			
NEIC		Single network solution.						
GUC	**II**	**16 05 05 22.4**	**36.44S**	**72.08W**	**49**			¶97ii2339
ISC	**II**	**16 12 02 06**±6.2	**34.5S**±.30	**71.1W**±.17	**71**±52		**10**	**0-1**
GUC	II	16 12 02 05.3	34.49S	71.02W	74			¶97ii2372
NEIC	II	16 12 02 05.7	34.47S	71.05W	70			
NEIC		Poor solution.						
ISC	**II**	**17 06 14 08**±5.2	**32.7S**±.29	**71.6W**±.29	**15**		**11**	**1-2**
NEIC	II	17 06 14 07.4	32.63S	71.68W	15			¶97ii2462
GUC	II	17 06 14 10.1	32.73S	71.54W	16			
NEIC		Poor solution.						
GUC	**II**	**17 11 06 38.1**	**32.26S**	**71.84W**	**30**			¶97ii2479
GUC	**II**	**18 07 09 23.2**	**31.52S**	**71.78W**	**23**	**3.9D**		¶97ii2614
ISC	**II**	**18 13 33 43**±1.1	**33.5S**±.11	**71.3W**±.13	**54**		**8**	**0-1**
GUC	II	18 13 33 42.9	33.55S	71.30W	54	3.0D		¶97ii2649
NEIC	II	18 13 33 43.2	33.47S	71.31W	50			
NEIC		Single network solution.						
ISC	**II**	**18 23 23 00**±1.0	**31.35S**±.084	**71.5W**±.11	**86**±13	**3.9b**	**33**	**2-152**
NEIC	II	18 23 22 59.5	31.31S	71.50W	80			¶97ii2702
EIDC	II	18 23 23 00.6	31.4S	71.5W	74	3.9b		
GUC	II	18 23 23 02.2	31.60S	71.71W	34	4.4D		
ISC	**II**	**19 20 00 21**±1.4	**31.52S**±.086	**71.9W**±.15	**39**±13	**4.6b**,4.3s	**35**	**2-152**
EIDC	II	19 20 00 17.2	31.5S	71.8W	0	4.8b,4.3s		¶97ii2826
NEIC	II	19 20 00 20.4	31.48S	71.82W	33	4.7b		
GUC	II	19 20 00 23.0	31.68S	71.93W	46	4.6D		
GUC	**II**	**19 22 26 20.5**	**31.47S**	**71.87W**	**20**	**3.7D**		¶97ii2846
GUC	**II**	**20 04 15 37.3**	**31.60S**	**71.90W**	**30**	**3.7D**		¶97ii2873
ISC	**II**	**20 05 07 32**±4.4	**33.58S**±.086	**71.9W**±.37	**21**±13		**11**	**0-1**
GUC	II	20 05 07 31.7	33.55S	71.94W	23	2.9D		¶97ii2880
NEIC	II	20 05 07 31.7	33.58S	71.91W	20			
NEIC		Single network solution.						
ISC	**II**	**20 05 12 24**±13	**32.2S**±.85	**71.5W**±.52	**40**		**9**	**1-2**
GUC	II	20 05 12 23.8	32.18S	71.51W	44	3.3D		¶97ii2882
NEIC	II	20 05 12 24.5	32.19S	71.46W	40			
NEIC		Poor solution.						
ISC	**II**	**21 13 37 42**±6.4	**34.5S**±.31	**71.5W**±.30	**83**±47		**12**	**0-2**
GUC	II	21 13 37 43.4	34.46S	71.37W	74	2.2D		¶97ii3078
NEIC	II	21 13 37 44.4	34.39S	71.35W	70			
NEIC		Single network solution.						
GUC	**II**	**21 17 47 44.1**	**29.87S**	**71.91W**	**60**	**3.8D**		¶97ii3104
GUC	**II**	**21 19 22 25.5**	**36.92S**	**72.84W**	**56**			¶97ii3109
ISC	**II**	**21 23 17 47**±4.3	**34.5S**±.18	**71.4W**±.39	**25**±19		**9**	**0-2**
GUC	II	21 23 17 42.0	34.88S	71.60W	43			¶97ii3137
GUC	**II**	**22 05 37 43.9**	**35.35S**	**72.38W**	**75**			¶97ii3173
GUC	**II**	**22 18 07 11.7**	**31.65S**	**71.96W**	**31**	**3.8D**		¶97ii3228
GUC	**II**	**22 22 59 25.0**	**32.63S**	**71.96W**	**41**			¶97ii3264
ISC	**II**	**23 04 58 18**±5.1	**33.0S**±.23	**71.4W**±.28	**58**±40		**11**	**0-2**
NEIC	II	23 04 58 16.4	32.89S	71.45W	70			¶97ii3296
GUC	II	23 04 58 17.2	32.94S	71.42W	66	2.5D		
NEIC		Single network solution.						

ISC	**II**	**23 19 26 10**±9.8	**32.5S**±.51	**72.0W**±.56	**15**			**9**	**1-2**
GUC	II	23 19 26 14.0	32.66S	71.73W	15			**¶97ii3361**	
ISC	**II**	**23 20 32 00**±1.8	**34.3S**±.39	**71.6W**±.79	**405**			**10**	**1-2**
GUC	II	23 20 31 58.8	34.40S	71.42W	405			**¶97ii3368**	
ISC	**II**	**24 05 04 00**±5.2	**34.5S**±.22	**72.0W**±.36	**13**			**12**	**1-2**
GUC	II	24 05 03 55.2	34.69S	72.26W	13	3.5D		**¶97ii3430**	
ISC	**II**	**24 21 01 43**±3.5	**33.78S**±.089	**71.8W**±.29	**20**			**9**	**0-2**
GUC	II	24 21 01 42.0	33.75S	71.88W	10			**¶97ii3539**	
NEIC	II	24 21 01 43.3	33.76S	71.77W	20				
NEIC	Single network solution.								
ISC	**II**	**24 23 39 09**±9.0	**33.1S**±.22	**71.8W**±.61	**77**±59			**9**	**0-1**
NEIC	II	24 23 39 11.0	33.15S	71.67W	60			**¶97ii3555**	
GUC	II	24 23 39 11.7	33.19S	71.58W	58	2.5D			
NEIC	Single network solution.								
ISC	**II**	**25 21 56 02**±3.0	**32.9S**±.16	**71.4W**±.19	**4**±14			**10**	**0-2**
NEIC	II	25 21 56 01.8	32.90S	71.47W	10			**¶97ii3699**	
GUC	II	25 21 56 02.7	32.92S	71.47W	15				
NEIC	Single network solution.								
ISC	**II**	**26 16 34 11**±8.0	**34.6S**±.45	**71.4W**±.28	**64**±56			**12**	**0-2**
NEIC	II	26 16 34 09.4	34.74S	71.45W	70			**¶97ii3821**	
GUC	II	26 16 34 11.1	34.64S	71.38W	65	3.7D			
NEIC	Poor solution.								
GUC	**II**	**28 17 15 41.7**	**32.23S**	**71.77W**	**26**	**3.3D**		**¶97ii4299**	
GUC	**III**	**01 04 59 42.5**	**30.80S**	**71.90W**	**35**			**¶97iii0049**	
GUC	**III**	**01 05 05 00.2**	**30.82S**	**71.93W**	**18**			**¶97iii0050**	
ISC	**III**	**01 06 03 08**±9.3	**32.2S**±.61	**71.6W**±.34	**20**			**11**	**1-2**
GUC	III	01 06 03 07.2	32.14S	71.64W	20	3.8D		**¶97iii0057**	
NEIC	III	01 06 03 08.3	32.22S	71.61W	20				
NEIC	Poor solution.								
ISC	**III**	**02 12 05 41**±6.7	**31.4S**±.36	**71.9W**±.46	**10**			**13**	**2-3**
GUC	III	02 12 05 34.9	30.93S	71.65W	13	4.3D		**¶97iii0304**	
NEIC	III	02 12 05 40.6	31.44S	71.94W	10				
NEIC	Poor solution.								
GUC	**III**	**03 02 44 01.5**	**32.51S**	**71.78W**	**30**	**3.5D**		**¶97iii0455**	
ISC	**III**	**04 13 52 49**±4.7	**33.0S**±.21	**71.2W**±.19	**66**±40			**13**	**0-2**
GUC	III	04 13 52 49.5	32.99S	71.16W	62	3.0D		**¶97iii0853**	
NEIC	III	04 13 52 49.7	32.99S	71.19W	60				
NEIC	Single network solution.								
GUC	**III**	**05 14 41 21.1**	**32.00S**	**71.31W**	**41**	**3.3D**		**¶97iii1078**	
ISC	**III**	**05 23 37 18**±6.0	**31.7S**±.31	**71.9W**±.43	**20**			**12**	**1-3**
GUC	III	05 23 37 15.8	31.55S	71.86W	20	3.7D		**¶97iii1148**	
NEIC	III	05 23 37 18.0	31.70S	71.83W	20				
NEIC	Poor solution.								
ISC	**III**	**06 01 44 31**±4.4	**34.1S**±.14	**71.7W**±.34	**47**±42			**10**	**0-1**
GUC	III	06 01 44 32.4	34.10S	71.53W	45			**¶97iii1163**	
NEIC	III	06 01 44 32.5	34.07S	71.63W	40				
NEIC	Poor solution.								
ISC	**III**	**06 10 48 47**±5.3	**32.6S**±.30	**71.6W**±.28	**15**			**12**	**1-2**
NEIC	III	06 10 48 46.3	32.59S	71.65W	15			**¶97iii1252**	
GUC	III	06 10 48 46.4	32.53S	71.66W	15				
NEIC	Single network solution.								
ISC	**III**	**06 13 21 36**±5.2	**32.6S**±.32	**71.5W**±.31	**30**			**9**	**1-2**
NEIC	III	06 13 21 36.6	32.62S	71.43W	30			**¶97iii1274**	
GUC	III	06 13 21 37.3	32.68S	71.44W	30				
NEIC	Poor solution.								
ISC	**III**	**07 14 08 58**±2.6	**33.41S**±.079	**71.2W**±.13	**57**±31			**13**	**0-1**
NEIC	III	07 14 08 57.2	33.41S	71.21W	60			**¶97iii1530**	
GUC	III	07 14 08 57.4	33.41S	71.18W	55	3.4D			
NEIC	Single network solution.								
ISC	**III**	**08 07 15 35**±7.3	**32.4S**±.43	**71.7W**±.35	**17**			**12**	**1-2**
GUC	III	08 07 15 33.7	32.33S	71.73W	17	3.8D		**¶97iii1694**	
ISC	**III**	**08 12 27 08**±3.2	**32.5S**±.18	**71.7W**±.25	**45**			**14**	**1-3**
GUC	III	08 12 27 07.1	32.46S	71.62W	45	4.3D		**¶97iii1746**	
ISC	**III**	**09 11 43 44.9**±.66	**29.68S**±.037	**71.11W**±.048	**42**±6.6	**5.4b,5.7s**	**270**	**3-176**	
BJI	III	09 11 43 43.2	29.80S	71.20W	33	6.1s		**¶97iii1949**	
NEIC	III	09 11 43 43.2	29.82S	71.15W	33	5.5b,5.7s			
MOS	III	09 11 43 44.3	29.6S	71.4W	33	5.6b,5.8s			
EIDC	III	09 11 43 45.1	29.7S	71.2W	34	5.2b,6.1s			
HRVD	III	09 11 43 51.8±.1	29.91S±.01	71.52W±.01	43				
NEIC	Mw6.2(HRV), Me5.6(GS). avalanche observed.								
NEIC	Radiated energy from the P−wave first−motion solution: 6.2±1.5×10^{12}Nm/10								
NEIC	Mw 6.1 (GS). Some damage to houses and landslides occurred in the La Serena area. Felt at Santiago. Also felt I=II MM at Mendoza, Argentina. Mo=1.8×10^{18}Nm (PPT).								
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ45°,λ105°. NP2:ϕ_S339°,δ47°,λ75°. Principal axes: T Plg79°,Azm175°; P Plg1°,Azm79°. Depth from synthetics of broadband displacement seismograms.								
NEIC	Moment tensor solution: s43, scale 10^{18}Nm; M_{rr}1.65; $M_{\theta\theta}$0.15; $M_{\phi\phi}$−1.81; $M_{r\theta}$−0.24; $M_{r\phi}$−0.18; $M_{\theta\phi}$−0.22. Depth 41km; Principal axes: T 1.70,Plg81°,Azm165°; N 0.14,Plg8°, Azm7°; P −1.84,Plg3°,Azm277°. Best double couple: $M_0$1.8×10^{18}Nm; NP1:ϕ_S358°,δ42°, λ78°. NP2:ϕ_S195°,δ49°,λ101°.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c85; Mantle waves: s39,c54; Half duration: 3s0. Moment tensor: Scale 10^{18}Nm; M_{rr}1.89±.02; $M_{\theta\theta}$0.00±.02; $M_{\phi\phi}$−1.89±.02; $M_{r\theta}$−0.21±.03; $M_{r\phi}$−0.79±.03; $M_{\theta\phi}$−0.30±.02. Principal Axes: T 2.06,Plg78°,Azm111°; N 0.05,Plg2°,Azm10°; P −2.10,Plg11°,Azm279°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_S6°,δ34°,λ86°. NP2:ϕ_S191°,δ57°,λ93°.								
ISC	**III**	**09 13 06 17**±1.0	**29.72S**±.067	**71.3W**±.16	**33**	4.1b		**17**	**3-80**
NEIC	III	09 13 06 18.0	29.41S	71.09W	33	4.3b		**¶97iii1972**	
NEIC	Poor solution.								
ISC	**III**	**10 03 53 01.7**±.76	**29.72S**±.045	**71.14W**±.057	**45**±7.7	**5.1b,5.1s**	**179**	**3-176**	
BJI	III	10 03 53 00.3	29.70S	71.10W	33	5.7s		**¶97iii2140**	
NEIC	III	10 03 53 00.3	29.68S	71.14W	33	5.2b,5.1s			
EIDC	III	10 03 53 01.1	29.8S	71.2W	31	5.0b,4.8L			
MOS	III	10 03 53 01.2	29.8S	71.4W	33	5.5b			
HRVD	III	10 03 53 08.3±.2	30.11S±.02	71.58W±.02	50±1.5				
NEIC	Mw5.6(HRV). avalanche observed.								
NEIC	Some damage to older buildings at Coquimbo. Felt strongly at La Serena. Landslides occurred near La Serena. Felt I=II MM at Santiago.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c56; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}3.56±.07; $M_{\theta\theta}$−0.66±.14; $M_{\phi\phi}$−2.90±.12; $M_{r\theta}$0.11±.14; $M_{r\phi}$−0.80±.12; $M_{\theta\phi}$−0.28±.09. Principal Axes: T 3.67,Plg83°,Azm75°; N −0.64, Plg3°,Azm186°; P −3.03,Plg7°,Azm277°. Best double couple: $M_0$3.3×10^{17}Nm, NP1:ϕ_S10°, δ38°,λ94°. NP2:ϕ_S184°,δ52°,λ87°.								
GUC	**III**	**11 11 01 25.2**	**32.73S**	**71.67W**	**30**	**3.3D**		**¶97iii2365**	
ISC	**III**	**11 13 03 12**±7.4	**32.4S**±.43	**71.7W**±.35	**10**			**12**	**1-2**
NEIC	III	11 13 03 11.3	32.40S	71.79W	10			**¶97iii2378**	
GUC	III	11 13 03 12.1	32.37S	71.79W	20				
NEIC	Poor solution.								
ISC	**III**	**12 07 24 38**±4.6	**34.4S**±.17	**72.2W**±.35	**3**			**12**	**1-2**
GUC	III	12 07 24 36.5	34.50S	72.31W	3	3.9D		**¶97iii2492**	
NEIC	III	12 07 24 39.0	34.36S	72.16W	5				
NEIC	Poor solution.								
GUC	**III**	**12 08 17 12.0**	**31.68S**	**71.38W**	**37**	**3.9D**		**¶97iii2496**	
ISC	**III**	**12 12 01 24**±5.0	**34.4S**±.19	**71.8W**±.45	**47**			**9**	**1-2**
NEIC	III	12 12 01 23.5	34.36S	71.80W	50			**¶97iii2531**	
GUC	III	12 12 01 24.2	34.36S	71.68W	47				
NEIC	Poor solution.								
ISC	**III**	**12 12 08 15**±1.1	**29.77S**±.072	**71.29W**±.097	**61**±12	**4.2b**		**49**	**3-150**
NEIC	III	12 12 08 14.8	29.76S	71.29W	60	4.5b		**¶97iii2532**	
EIDC	III	12 12 08 16.6	29.7S	71.3W	59	4.0b,3.9s			
ISC	**III**	**12 13 08 14**±8.8	**32.5S**±.49	**71.8W**±.48	**20**			**14**	**1-2**
NEIC	III	12 13 08 13.9	32.50S	71.81W	20			**¶97iii2541**	
GUC	III	12 13 08 16.0	32.59S	71.72W	27	4.5D			
NEIC	Poor solution.								
GUC	**III**	**13 06 51 08.9**	**30.78S**	**71.52W**	**13**			**¶97iii2659**	
ISC	**III**	**13 07 29 52**±14	**34.5S**±.36	**72.2W**±.77	**12**±49			**13**	**1-2**
GUC	III	13 07 29 53.2	34.50S	72.13W	24	3.6D		**¶97iii2666**	
NEIC	III	13 07 29 53.5	34.44S	72.11W	20				
NEIC	Poor solution.								
ISC	**III**	**13 09 28 14**±3.6	**31.8S**±.20	**71.7W**±.25	**5**			**14**	**1-3**
GUC	III	13 09 28 09.2	31.47S	71.66W	1	4.4D		**¶97iii2680**	
NEIC	III	13 09 28 14.6	31.82S	71.64W	5				
NEIC	Less reliable solution.								
ISC	**III**	**13 12 10 13**±3.8	**34.2S**±.14	**71.4W**±.22	**54**±40			**10**	**0-2**
GUC	III	13 12 10 13.8	34.21S	71.32W	50			**¶97iii2697**	
NEIC	III	13 12 10 14.0	34.18S	71.36W	50				
NEIC	Single network solution.								
ISC	**III**	**13 19 22 06**±6.5	**32.7S**±.27	**71.5W**±.28	**15**±21			**13**	**0-2**
NEIC	III	13 19 22 04.6	32.63S	71.54W	25			**¶97iii2753**	
GUC	III	13 19 22 06.5	32.72S	71.46W	27	3.4D			
NEIC	Poor solution.								
ISC	**III**	**14 06 24 48**±5.5	**32.8S**±.30	**71.4W**±.28	**58**±41			**12**	**0-2**
GUC	III	14 06 24 48.5	32.80S	71.31W	56	2.8D		**¶97iii2821**	
NEIC	III	14 06 24 48.8	32.80S	71.34W	50				
NEIC	Single network solution.								
ISC	**III**	**14 09 12 28**±7.5	**32.6S**±.40	**71.9W**±.42	**18**			**12**	**1-2**
GUC	III	14 09 12 26.2	32.49S	72.00W	18	3.4D		**¶97iii2841**	
NEIC	III	14 09 12 29.0	32.61S	71.80W	20				
NEIC	Poor solution.								
ISC	**III**	**14 10 47 13.8**±.64	**32.30S**±.074	**71.26W**±.095	**89**±7.8	**4.1b**		**43**	**1-153**
NEIC	III	14 10 47 12.6	32.20S	71.36W	73	4.2b		**¶97iii2859**	
EIDC	III	14 10 47 13.8	32.3S	71.2W	76	4.0b			
GUC	III	14 10 47 14.9	32.33S	71.32W	67	4.7D			
NEIC	Felt I=IV MM at Chincolco, La Ligua and Papudo; III MM at Quilpue, San Felipe, Santiago, Valparaiso, Villa Alemana, Vina del Mar and Zapallar. Also felt at Rancagua.								
ISC	**III**	**14 14 08 50**±3.2	**32.4S**±.10	**71.6W**±.17	**5**±20			**11**	**1-21**
NEIC	III	14 14 08 49.0	32.33S	71.71W	5			**¶97iii2893**	
GUC	III	14 14 08 52.3	32.49S	71.57W	2	3.3D			
NEIC	Poor solution.								
ISC	**III**	**14 17 26 53**±7.3	**32.5S**±.41	**71.6W**±.38	**20**			**10**	**1-2**
GUC	III	14 17 26 51.3	32.44S	71.76W	20	3.6D		**¶97iii2923**	
NEIC	III	14 17 26 53.0	32.53S	71.63W	20				
NEIC	Poor solution.								
ISC	**III**	**14 22 34 09**±12	**32.2S**±.75	**71.5W**±.48	**85**±48			**12**	**1-2**
GUC	III	14 22 34 12.1	32.38S	71.40W	63	2.1D		**¶97iii2955**	
NEIC	III	14 22 34 12.1	32.37S	71.43W	60				
NEIC	Poor solution.								
GUC	**III**	**17 00 02 59.7**	**31.74S**	**71.53W**	**41**	**3.6D**		**¶97iii3285**	
ISC	**III**	**17 04 17 50**±14	**32.5S**±.54	**71.8W**±.52	**10**±53			**11**	**1-2**
NEIC	III	17 04 17 50.3	32.47S	71.73W	15			**¶97iii3314**	
GUC	III	17 04 17 54.4	32.64S	71.53W	17	3.5D			
NEIC	Poor solution.								
ISC	**III**	**17 23 56 33**±7.6	**32.6S**±.42	**71.6W**±.38	**22**±15			**11**	**1-2**
NEIC	III	17 23 56 32.6	32.52S	71.62W	33			**¶97iii3451**	
GUC	III	17 23 56 35.5	32.72S	71.46W	27	3.5D			
NEIC	Poor solution.								
ISC	**III**	**18 00 50 19**±2.6	**33.83S**±.080	**71.1W**±.13	**64**±29			**11**	**0-1**
NEIC	III	18 00 50 18.0	33.85S	71.06W	70			**¶97iii3458**	
GUC	III	18 00 50 18.1	33.81S	71.05W	66				
NEIC	Single network solution.								
ISC	**III**	**19 08 03 10**±2.7	**33.99S**±.093	**71.4W**±.19	**54**±29			**12**	**0-1**
GUC	III	19 08 03 09.8	34.00S	71.32W	53	3.0D		**¶97iii3662**	
NEIC	III	19 08 03 10.3	33.97S	71.34W	50				
NEIC	Single network solution.								
GUC	**III**	**19 08 44 32.1**	**31.81S**	**71.91W**	**26**	**4.1D**		**¶97iii3671**	
ISC	**III**	**19 10 56 30**±6.5	**32.0S**±.48	**71.2W**±.31	**79**			**13**	**1-3**
NEIC	III	19 10 56 30.6	32.06S	71.17W	80			**¶97iii3692**	
GUC	III	19 10 56 31.8	32.15S	71.15W	79	3.3D			
NEIC	Poor solution.								
ISC	**III**	**19 14 50 13**±9.3	**32.3S**±.51	**71.8W**±.45	**5**			**9**	**1-2**
NEIC	III	19 14 50 11.9	32.30S	71.79W	5			**¶97iii3722**	
GUC	III	19 14 50 12.3	32.29S	71.75W	4	3.5D			
NEIC	Poor solution.								
GUC	**III**	**20 08 59 43.2**	**31.23S**	**71.74W**	**35**	**3.7D**		**¶97iii3872**	
GUC	**III**	**21 01 28 52.2**	**32.26S**	**71.77W**	**27**	**3.7D**		**¶97iii3980**	
ISC	**III**	**23 12 57 43**±8.0	**34.6S**±.35	**72.2W**±.57	**20**			**12**	**1-2**
GUC	III	23 12 57 40.5	34.68S	72.38W	21	3.5D		**¶97iii4442**	
NEIC	III	23 12 57 42.6	34.59S	72.25W	20				
NEIC	Poor solution.								
GUC	**III**	**24 07 36 51.2**	**32.41S**	**71.82W**	**36**	**3.7D**		**¶97iii4545**	
ISC	**III**	**24 22 08 19**±7.2	**33.0S**±.26	**72.0W**±.60	**40**			**12**	**1-2**
NEIC	III	24 22 08 21.3	33.07S	71.70W	40			**¶97iii4626**	
GUC	III	24 22 08 21.4	33.08S	71.68W	41	3.7D			
NEIC	Poor solution.								
ISC	**III**	**25 05 58 13**±8.7	**32.4S**±.49	**71.7W**±.42	**20**			**9**	**1-2**
GUC	III	25 05 58 08.9	32.24S	71.86W	15	3.3D		**¶97iii4680**	
NEIC	III	25 05 58 12.1	32.43S	71.69W	20				
NEIC	Poor solution.								
ISC	**III**	**25 06 04 06**±11	**32.2S**±.69	**71.8W**±.45	**15**			**10**	**1-2**
GUC	III	25 06 04 05.8	32.23S	71.86W	15	3.9D		**¶97iii4682**	
NEIC	III	25 06 04 08.3	32.43S	71.71W	10				
NEIC	Poor solution.								
ISC	**III**	**25 06 11 32**±9.7	**32.4S**±.54	**71.7W**±.47	**10**			**8**	**1-2**
NEIC	III	25 06 11 30.1	32.32S	71.82W	10			**¶97iii4686**	
GUC	III	25 06 11 30.6	32.32S	71.77W	6	3.4D			
NEIC	Poor solution.								
ISC	**III**	**28 08 30 54**±6.2	**34.7S**±.44	**71.3W**±.33	**63**			**9**	**1-2**
GUC	III	28 08 30 49.8	35.07S	71.39W	63	2.9D		**¶97iii5392**	
NEIC	III	28 08 30 52.7	34.83S	71.28W	70				
NEIC	Poor solution.								
ISC	**III**	**28 08 54 57**±2.9	**33.69S**±.084	**71.4W**±.19	**49**±35			**12**	**0-1**
GUC	III	28 08 54 56.0	33.70S	71.36W	54	3.4D		**¶97iii5395**	
NEIC	III	28 08 54 56.5	33.69S	71.36W	50				

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Single network solution.						
ISC	**III 29 02 37 43**±2.9	**32.7S**±.13	**71.7W**±.22	**15**		**14**	**1-3**
GUC	III 29 02 37 42.9	32.64S	71.72W	15	4.1D		¶97iii5523
ISC	**III 29 12 54 39**±8.9	**32.4S**±.51	**71.4W**±.35	**16**±18		**10**	**1-2**
NEIC	III 29 12 54 39.5	32.45S	71.39W	20			¶97iii5590
GUC	III 29 12 54 40.7	32.50S	71.34W	15	3.1D		
NEIC	Poor solution.						
ISC	**IV 01 08 06 09**±7.6	**32.3S**±.46	**71.7W**±.34	**10**		**11**	**1-2**
NEIC	IV 01 08 06 07.8	32.33S	71.70W	10			¶97iv0036
GUC	IV 01 08 06 08.5	32.29S	71.70W	14	3.5D		
NEIC	Poor solution.						
GUC	**IV 01 23 40 48.2**	**32.41S**	**71.75W**	**25**			¶97iv0158
ISC	**IV 04 00 58 35**±6.1	**32.7S**±.30	**71.8W**±.38	**15**		**12**	**1-2**
NEIC	IV 04 00 58 35.5	32.75S	71.80W	15			¶97iv0514
GUC	IV 04 00 58 37.0	32.79S	71.74W	15	3.7D		
NEIC	Poor solution.						
ISC	**IV 04 03 00 15**±4.5	**31.7S**±.26	**71.5W**±.33	**43**		**12**	**1-3**
GUC	IV 04 03 00 17.2	31.91S	71.42W	43	3.8D		¶97iv0534
NEIC	IV 04 03 00 20.4	32.10S	71.32W	40			
NEIC	Poor solution.						
ISC	**IV 05 11 37 28**±9.5	**32.5S**±.49	**72.0W**±.55	**15**		**11**	**1-2**
GUC	IV 05 11 37 33.1	32.68S	71.72W	15	3.1D		¶97iv0762
ISC	**IV 06 01 55 14**±3.4	**32.1S**±.18	**71.7W**±.24	**10**		**12**	**1-3**
GUC	IV 06 01 55 10.8	31.84S	71.85W	16	3.9D		¶97iv0906
NEIC	IV 06 01 55 11.7	31.92S	71.72W	10			
NEIC	Poor solution.						
ISC	**IV 06 13 58 07**±8.5	**32.5S**±.45	**71.6W**±.42	**16**±18		**11**	**1-2**
NEIC	IV 06 13 58 08.4	32.57S	71.59W	20			¶97iv1003
GUC	IV 06 13 58 09.6	32.61S	71.55W	28	3.1D		
NEIC	Poor solution.						
GUC	**IV 06 21 44 56.4**	**31.28S**	**71.76W**	**24**	**3.8D**		¶97iv1062
GUC	**IV 07 04 03 02.7**	**32.43S**	**71.45W**	**61**	**2.3D**		¶97iv1097
ISC	**IV 08 12 05 40**±3.4	**34.7S**±.27	**71.7W**±.29	**78**±21		**14**	**1-103**
GUC	IV 08 12 05 43.2	34.55S	71.51W	57	4.0D		¶97iv1329
NEIC	IV 08 12 05 44.1	34.48S	71.51W	55			
NEIC	Poor solution.						
ISC	**IV 09 00 23 22**±9.9	**32.3S**±.62	**71.8W**±.42	**20**		**12**	**1-2**
GUC	IV 09 00 23 20.6	32.23S	71.88W	22	3.8D		¶97iv1431
NEIC	IV 09 00 23 21.8	32.28S	71.78W	20			
NEIC	Poor solution.						
GUC	**IV 09 13 59 30.3**	**34.77S**	**72.11W**	**39**			¶97iv1525
ISC	**IV 09 14 08 11**±4.0	**33.1S**±.15	**71.6W**±.29	**10**		**10**	**0-2**
GUC	IV 09 14 08 11.1	33.09S	71.68W	14	3.1D		¶97iv1527
NEIC	IV 09 14 08 11.4	33.11S	71.60W	10			
NEIC	Single network solution.						
GUC	**IV 10 10 13 54.6**	**34.63S**	**72.30W**	**27**			¶97iv1670
ISC	**IV 10 17 39 01**±4.2	**32.2S**±.21	**71.7W**±.33	**32**		**13**	**1-3**
GUC	IV 10 17 38 59.2	32.19S	71.70W	32	3.8D		¶97iv1720
NEIC	IV 10 17 39 00.1	32.25S	71.63W	20			
NEIC	Less reliable solution.						
ISC	**IV 12 07 03 02.9**±.97	**33.43S**±.069	**71.4W**±.12	**31**±7.5		**13**	**0-102**
GUC	IV 12 07 03 01.2	33.41S	71.52W	47			¶97iv2023
NEIC	IV 12 07 03 02.4	33.41S	71.48W	33			
NEIC	Single network solution.						
ISC	**IV 12 07 54 49**±5.8	**31.7S**±.30	**71.8W**±.43	**26**		**12**	**1-3**
GUC	IV 12 07 54 48.8	31.75S	71.75W	26	3.9D		¶97iv2031
NEIC	IV 12 07 54 50.1	31.75S	71.75W	33			
NEIC	Poor solution.						
ISC	**IV 12 13 00 02**±3.2	**33.64S**±.078	**71.7W**±.28	**18**±14		**10**	**0-1**
NEIC	IV 12 13 00 02.1	33.62S	71.77W	30			¶97iv2069
GUC	IV 12 13 00 02.2	33.62S	71.78W	26	2.9D		
NEIC	Poor solution.						
ISC	**IV 13 11 15 38**±4.3	**33.2S**±.15	**71.7W**±.37	**34**±39		**12**	**0-2**
NEIC	IV 13 11 15 37.2	33.17S	71.69W	40			¶97iv2230
GUC	IV 13 11 15 38.1	33.21S	71.57W	38	3.1D		
NEIC	Single network solution.						
ISC	**IV 14 05 33 10**±10	**32.2S**±.65	**71.7W**±.39	**20**		**10**	**1-2**
GUC	IV 14 05 33 09.5	32.19S	71.73W	23	3.4D		¶97iv2396
NEIC	IV 14 05 33 09.9	32.19S	71.66W	20			
NEIC	Poor solution.						
ISC	**IV 14 09 50 37**±6.2	**34.7S**±.39	**71.4W**±.34	**34**		**11**	**0-2**
GUC	IV 14 09 50 29.2	35.13S	71.77W	34			¶97iv2435
ISC	**IV 14 22 44 51**±5.3	**33.0S**±.20	**71.5W**±.33	**53**±49		**10**	**0-2**
NEIC	IV 14 22 44 51.1	33.03S	71.43W	50			¶97iv2521
GUC	IV 14 22 44 51.2	33.03S	71.38W	51			
NEIC	Single network solution.						
GUC	**IV 15 12 17 37.8**	**30.91S**	**71.63W**	**47**	**3.9D**		¶97iv2600
GUC	**IV 16 04 46 09.1**	**35.25S**	**72.55W**	**22**			¶97iv2692
GUC	**IV 16 16 43 54.9**	**31.40S**	**71.87W**	**17**			¶97iv2785
ISC	**IV 17 19 28 27**±5.6	**34.0S**±.15	**72.1W**±.47	**45**±56		**13**	**1-2**
GUC	IV 17 19 28 28.0	34.01S	71.92W	48	3.8D		¶97iv2960
NEIC	IV 17 19 28 29.4	33.94S	71.87W	33			
NEIC	Poor solution.						
ISC	**IV 18 22 04 01**±6.3	**32.8S**±.30	**71.8W**±.40	**10**		**12**	**1-2**
NEIC	IV 18 22 03 59.3	32.71S	71.88W	10			¶97iv3125
GUC	IV 18 22 04 01.5	32.74S	71.80W	15	3.7D		
NEIC	Poor solution.						
ISC	**IV 20 02 23 26**±5.1	**31.8S**±.28	**71.7W**±.37	**12**		**14**	**1-3**
GUC	IV 20 02 23 23.8	31.61S	71.69W	12	4.2D		¶97iv3263
ISC	**IV 20 15 49 12**±5.4	**32.2S**±.41	**71.2W**±.26	**78**		**14**	**1-2**
NEIC	IV 20 15 49 11.0	32.13S	71.16W	80			¶97iv3336
GUC	IV 20 15 49 11.8	32.18S	71.11W	78	3.6D		
NEIC	Poor solution.						
ISC	**IV 22 07 33 38**±7.1	**32.7S**±.37	**71.7W**±.41	**22**±15		**11**	**1-2**
NEIC	IV 22 07 33 38.0	32.72S	71.68W	20			¶97iv3666
GUC	IV 22 07 33 40.4	32.82S	71.57W	23	3.5D		
NEIC	Single network solution.						
ISC	**IV 24 10 59 11**±2.5	**33.79S**±.073	**71.5W**±.23	**35**±32		**12**	**0-1**
GUC	IV 24 10 59 09.9	33.78S	71.48W	42	3.1D		¶97iv4130
NEIC	IV 24 10 59 10.2	33.79S	71.51W	40			
NEIC	Single network solution.						
ISC	**IV 26 19 43 43.9**±.58	**32.54S**±.050	**71.90W**±.084	**12**	**4.1b**	**31**	**1-153**
NEIC	IV 26 19 43 46.2	32.61S	71.85W	33	3.9b		¶97iv4600
GUC	IV 26 19 43 47.2	32.65S	71.70W	12	4.5D		
EIDC	IV 26 19 43 47.7	32.6S	71.9W	30	4.0b,4.1L		
NEIC	Felt I=II MM at Papudo, Quillota, Quintero and Vina del Mar.						
ISC	**IV 27 02 19 19**±2.5	**33.74S**±.079	**71.2W**±.13	**61**±29		**12**	**0-1**
GUC	IV 27 02 19 18.7	33.73S	71.14W	61	2.9D		¶97iv4644
NEIC	IV 27 02 19 19.0	33.73S	71.14W	60			
NEIC	Single network solution.						
GUC	**IV 27 09 40 27.9**	**31.90S**	**71.41W**	**37**	**3.7D**		¶97iv4698
ISC	**IV 27 14 03 38**±7.7	**32.5S**±.43	**71.9W**±.41	**10**		**12**	**1-2**
NEIC	IV 27 14 03 39.3	32.55S	71.85W	10			¶97iv4737
GUC	IV 27 14 03 42.9	32.68S	71.70W	15	3.7D		
NEIC	Poor solution.						
ISC	**IV 27 17 32 30**±2.9	**28.61S**±.066	**71.1W**±.11	**28**±23	**4.2b,**3.1s	**41**	**4-149**
NEIC	IV 27 17 32 30.6	28.61S	71.13W	33	4.4b		¶97iv4768
EIDC	IV 27 17 32 32.7	28.6S	71.0W	45	4.1b,3.9L		
NEIC	Felt I=II MM at Vallenar.						
GUC	**IV 27 19 55 43.4**	**36.51S**	**72.40W**	**80**	**3.3D**		¶97iv4785
ISC	**IV 29 07 06 23**±10	**32.1S**±.66	**71.7W**±.36	**10**		**10**	**1-3**
NEIC	IV 29 07 06 21.6	32.09S	71.75W	10			¶97iv5034
GUC	IV 29 07 06 22.2	32.08S	71.66W	6	3.8D		
NEIC	Poor solution.						
ISC	**V 01 17 24 13**±5.3	**32.8S**±.25	**71.8W**±.33	**16**		**13**	**1-2**
GUC	V 01 17 24 13.3	32.78S	71.79W	16	3.7D		¶97v0130
ISC	**V 01 21 13 59**±4.5	**32.7S**±.27	**71.3W**±.24	**44**±41		**12**	**0-2**
NEIC	V 01 21 13 59.0	32.73S	71.27W	45			¶97v0157
GUC	V 01 21 13 59.8	32.80S	71.21W	44	3.7D		
NEIC	Single network solution.						
ISC	**V 03 09 00 08**±7.3	**32.7S**±.34	**71.8W**±.45	**10**		**9**	**1-2**
NEIC	V 03 09 00 07.9	32.67S	71.76W	10			¶97v0408
GUC	V 03 09 00 09.2	32.68S	71.74W	15	3.5D		
NEIC	Poor solution.						
GUC	**V 03 16 47 30.0**	**31.76S**	**71.87W**	**20**	**3.7D**		¶97v0466
ISC	**V 04 09 10 08**±4.8	**34.3S**±.17	**72.1W**±.36	**10**		**12**	**1-2**
GUC	V 04 09 10 05.5	34.29S	72.26W	1	4.0D		¶97v0607
NEIC	V 04 09 10 07.7	34.30S	72.09W	10			
NEIC	Poor solution.						
ISC	**V 04 17 11 10**±2.0	**33.81S**±.075	**71.3W**±.15	**49**±24		**14**	**0-3**
GUC	V 04 17 11 08.9	33.81S	71.31W	54	4.4D		¶97v0667
NEIC	V 04 17 11 09.4	33.81S	71.32W	50			
NEIC	Felt I=III MM at Santiago.						
GUC	**V 04 20 25 02.7**	**35.68S**	**72.00W**	**34**	**3.5D**		¶97v0692
ISC	**V 06 04 41 17**±6.3	**33.1S**±.18	**71.5W**±.40	**54**±56		**9**	**0-1**
NEIC	V 06 04 41 16.8	33.09S	71.50W	50			¶97v0904
GUC	V 06 04 41 17.3	33.13S	71.42W	46	3.0D		
NEIC	Single network solution.						
ISC	**V 06 18 06 57**±3.8	**32.6S**±.20	**71.1W**±.17	**9**±12		**11**	**0-2**
NEIC	V 06 18 06 56.6	32.63S	71.11W	10			¶97v0993
GUC	V 06 18 06 57.6	32.67S	71.04W	7			
NEIC	Single network solution.						
ISC	**V 08 15 24 23**±6.1	**32.6S**±.32	**71.7W**±.35	**10**		**11**	**1-2**
NEIC	V 08 15 24 19.4	32.52S	71.85W	10			¶97v1268
GUC	V 08 15 24 20.9	32.52S	71.83W	15	3.8D		
NEIC	Poor solution.						
ISC	**V 09 06 45 45**±14	**32.1S**±.87	**71.7W**±.58	**40**		**12**	**1-3**
NEIC	V 09 06 45 45.4	32.11S	71.61W	40			¶97v1375
GUC	V 09 06 45 46.6	32.20S	71.50W	45	3.4D		
NEIC	Poor solution.						
ISC	**V 09 13 56 37**±6.8	**32.6S**±.38	**71.6W**±.34	**16**±17		**11**	**1-2**
NEIC	V 09 13 56 36.6	32.60S	71.55W	20			¶97v1432
GUC	V 09 13 56 38.7	32.67S	71.44W	25	3.3D		
NEIC	Poor solution.						
ISC	**V 09 18 17 51**±1.5	**31.7S**±.13	**71.8W**±.23	**34**	3.8b	**14**	**1-100**
GUC	V 09 18 17 52.2	31.87S	71.73W	34	4.0D		¶97v1462
ISC	**V 11 04 30 59**±3.4	**33.37S**±.096	**71.6W**±.31	**39**±31		**13**	**0-1**
GUC	V 11 04 30 58.9	33.38S	71.57W	41	3.8D		¶97v1724
NEIC	V 11 04 30 59.6	33.38S	71.55W	33			
NEIC	Single network solution.						
GUC	**V 11 15 30 09.9**	**31.02S**	**71.95W**	**10**	**4.0D**		¶97v1804
ISC	**V 11 23 01 08**±3.5	**33.4S**±.11	**71.7W**±.32	**25**±9.4		**11**	**0-1**
NEIC	V 11 23 01 06.0	33.37S	71.89W	20			¶97v1858
GUC	V 11 23 01 07.8	33.38S	71.76W	29	3.1D		
NEIC	Poor solution.						
ISC	**V 12 16 06 03**±6.3	**32.2S**±.48	**71.2W**±.33	**74**		**8**	**1-2**
GUC	V 12 16 06 02.6	32.18S	71.13W	74	2.6D		¶97v2000
ISC	**V 12 22 35 10**±9.4	**32.7S**±.37	**71.6W**±.43	**16**±25		**11**	**1-2**
NEIC	V 12 22 35 07.0	32.60S	71.73W	10			¶97v2059
GUC	V 12 22 35 10.2	32.70S	71.61W	15	3.7D		
NEIC	Poor solution.						
ISC	**V 12 22 50 10**±1.4	**33.03S**±.082	**71.6W**±.11	**20**		**15**	**0-2**
GUC	V 12 22 50 10.1	33.04S	71.60W	26	3.8D		¶97v2064
NEIC	V 12 22 50 10.2	33.04S	71.58W	20			
NEIC	Single network solution.						
NEIC	Felt I=II MM at Concon, Quilpue, Valparaiso and Vina del Mar. Also felt at Quintero and Villa Alemana.						
ISC	**V 13 05 43 40**±7.3	**31.5S**±.37	**71.9W**±.53	**31**		**13**	**2-3**
GUC	V 13 05 43 39.8	31.59S	71.87W	31	4.3D		¶97v2140
NEIC	V 13 05 43 40.0	31.55S	71.84W	30			
NEIC	Poor solution.						
ISC	**V 13 21 30 03**±4.9	**32.8S**±.14	**71.7W**±.26	**9**±20		**13**	**1-3**
NEIC	V 13 21 30 03.4	32.81S	71.66W	10			¶97v2334
GUC	V 13 21 30 03.9	32.77S	71.68W	16	4.2D		
NEIC	Single network solution.						
NEIC	Felt I=III MM at Zapallar and II MM at Quintero, Valparaiso, Villa Alemana and Vina del Mar.						
GUC	**V 15 20 34 58.6**	**36.28S**	**72.63W**	**12**			¶97v2672
GUC	**V 15 20 54 31.7**	**37.51S**	**73.12W**	**58**	**3.2D**		¶97v2675
GUC	**V 16 00 21 11.7**	**36.40S**	**72.26W**	**9**			¶97v2702
GUC	**V 16 03 24 34.4**	**31.33S**	**71.85W**	**28**			¶97v2721
GUC	**V 18 15 22 19.9**	**36.47S**	**72.18W**	**60**			¶97v3111
ISC	**V 18 21 15 17**±11	**32.5S**±.46	**71.6W**±.44	**10**±46		**11**	**1-2**
NEIC	V 18 21 15 17.0	32.52S	71.66W	15			¶97v3146
GUC	V 18 21 15 20.2	32.64S	71.49W	28	4.1D		
NEIC	Poor solution.						
ISC	**V 19 14 29 23**±13	**32.2S**±.84	**71.0W**±.25	**76**±52		**13**	**1-2**
GUC	V 19 14 29 24.4	32.31S	70.96W	65	4.3D		¶97v3267
NEIC	V 19 14 29 25.9	32.41S	70.98W	60			
NEIC	Poor solution.						
NEIC	Felt I=III MM at Papudo, Petorca and Santiago; II MM at La Ligua and Quillota, Chile.						
GUC	**V 19 21 33 35.2**	**31.72S**	**71.83W**	**4**	**3.8D**		¶97v3306
ISC	**V 20 01 04 29**±8.4	**31.9S**±.63	**71.1W**±.33	**89**		**12**	**1-3**
NEIC	V 20 01 04 27.7	31.73S	71.11W	90			¶97v3333
GUC	V 20 01 04 29.4	31.87S	71.17W	89	3.3D		
NEIC	Poor solution.						
ISC	**V 20 09 23 18**±8.0	**32.2S**±.48	**71.8W**±.42	**23**		**9**	**1-2**
NEIC	V 20 09 23 17.0	32.31S	71.78W	10			¶97v3379
GUC	V 20 09 23 17.9	32.30S	71.79W	23	3.4D		
NEIC	Poor solution.						

ISC	**V**	**20 11 22 37**±5.7	**32.6S**±.30	**71.9W**±.33	**5**		**10**	**1-2**
NEIC	V	20 11 22 35.5	32.62S	71.97W	5			**¶97v3395**
GUC	V	20 11 22 37.2	32.63S	71.95W	13	3.3D		
NEIC	Poor solution.							
ISC	**V**	**22 05 15 21**±12	**32.0S**±.83	**71.3W**±.33	**62**		**12**	**1-3**
GUC	V	22 05 15 22.0	32.04S	71.20W	62	2.9D		**¶97v3713**
ISC	**V**	**24 11 17 48**±9.7	**32.6S**±.43	**71.5W**±.38	**9**±25		**10**	**1-2**
GUC	V	24 11 17 49.0	32.55S	71.48W	22	3.6D		**¶97v4102**
GUC	**V**	**24 12 15 34.5**	**31.56S**	**71.25W**	**23**	**4.0D**		**¶97v4106**
GUC	**V**	**24 16 06 19.7**	**34.72S**	**72.20W**	**22**	**3.0D**		**¶97v4134**
ISC	**V**	**25 02 27 49**±4.9	**33.53S**±.092	**71.9W**±.42	**20**±13		**11**	**0-1**
GUC	V	25 02 27 48.4	33.55S	71.93W	12	3.4D		**¶97v4204**
ISC	**V**	**25 06 43 01**±6.3	**33.1S**±.23	**72.0W**±.54	**39**		**12**	**1-2**
GUC	V	25 06 43 02.8	33.19S	71.73W	39	3.8D		**¶97v4231**
ISC	**V**	**25 11 23 04**±13	**32.0S**±.95	**71.3W**±.39	**47**		**10**	**1-3**
GUC	V	25 11 23 03.9	32.00S	71.30W	47	3.4D		**¶97v4263**
ISC	**V**	**25 19 53 47**±7.6	**32.6S**±.41	**71.7W**±.42	**22**		**10**	**1-2**
GUC	V	25 19 53 44.0	32.49S	71.88W	22	3.7D		**¶97v4317**
ISC	**V**	**26 06 19 32**±9.9	**34.0S**±.17	**72.5W**±.88	**33**		**10**	**1-2**
GUC	V	26 06 19 32.3	33.99S	72.35W	33	3.8D		**¶97v4377**
GUC	**V**	**28 09 11 42.2**	**32.52S**	**71.85W**	**28**	**4.2D**		**¶97v4692**
GUC	**V**	**28 23 50 51.7**	**29.81S**	**71.94W**	**54**	**4.0D**		**¶97v4785**
ISC	**V**	**29 04 10 17**±3.7	**33.0S**±.19	**71.1W**±.16	**58**±35		**12**	**0-2**
GUC	V	29 04 10 17.3	32.94S	71.12W	53	3.4D		**¶97v4820**
NEIC	V	29 04 10 17.7	32.94S	71.11W	50			
NEIC	Less reliable solution.							
ISC	**V**	**29 16 01 39**±5.5	**32.6S**±.30	**71.7W**±.30	**5**		**9**	**1-2**
NEIC	V	29 16 01 38.8	32.62S	71.70W	5			**¶97v4896**
GUC	V	29 16 01 40.6	32.66S	71.61W	5	3.3D		
NEIC	Poor solution.							
ISC	**V**	**29 21 17 32**±4.8	**32.8S**±.26	**71.4W**±.24	**52**±41		**11**	**0-2**
NEIC	V	29 21 17 32.1	32.80S	71.34W	50			**¶97v4923**
GUC	V	29 21 17 32.4	32.83S	71.27W	50	3.6D		
NEIC	Single network solution.							
GUC	**V**	**30 22 48 39.9**	**31.65S**	**71.72W**	**32**	**3.6D**		**¶97v5109**
ISC	**VI**	**01 00 06 43**±15	**32.3S**±.79	**71.6W**±.59	**25**±34		**9**	**1-2**
GUC	VI	01 00 06 46.4	32.47S	71.45W	38	3.4D		**¶97vi0002**
ISC	**VI**	**01 12 16 29**±13	**31.0S**±.69	**71.8W**±.85	**5**		**9**	**2-4**
GUC	VI	01 12 16 26.8	30.87S	71.64W	5			**¶97vi0081**
GUC	**VI**	**01 16 52 53.7**	**31.61S**	**71.38W**	**31**	**3.8D**		**¶97vi0113**
GUC	**VI**	**02 06 36 00.6**	**31.77S**	**71.69W**	**32**	**3.3D**		**¶97vi0195**
ISC	**VI**	**03 03 07 21**±3.1	**34.9S**±.27	**71.1W**±.25	**100**		**12**	**0-2**
								¶97vi0377
ISC	**VI**	**03 15 07 08**±7.1	**31.1S**±.47	**71.4W**±.47	**100**		**13**	**2-3**
								¶97vi0473
ISC	**VI**	**05 08 22 07**±7.2	**32.6S**±.41	**71.5W**±.41	**28**±17		**13**	**1-2**
GUC	VI	05 08 22 08.7	32.74S	71.43W	30			**¶97vi0735**
ISC	**VI**	**05 18 05 21**±3.4	**32.4S**±.17	**71.6W**±.27	**26**		**13**	**1-3**
GUC	VI	05 18 05 17.2	32.22S	71.79W	26	3.9D		**¶97vi0814**
ISC	**VI**	**06 05 24 46**±10	**31.9S**±.69	**71.7W**±.32	**5**		**10**	**1-3**
GUC	VI	06 05 24 42.5	31.71S	71.69W	0			**¶97vi0888**
NEIC	VI	06 05 24 45.4	31.88S	71.64W	5			
NEIC	Poor solution.							
GUC	**VI**	**06 12 17 02.0**	**35.68S**	**72.14W**	**38**	**3.7D**		**¶97vi0937**
ISC	**VI**	**07 03 38 52**±2.3	**33.56S**±.072	**71.2W**±.13	**57**±29		**13**	**0-1**
GUC	VI	07 03 38 51.1	33.58S	71.14W	59			**¶97vi1035**
NEIC	VI	07 03 38 51.2	33.57S	71.18W	60			
NEIC	Single network solution.							
ISC	**VI**	**08 04 46 21**±17	**32.4S**±.63	**71.8W**±.65	**2**±56		**11**	**1-2**
GUC	VI	08 04 46 24.9	32.49S	71.72W	19	3.3D		**¶97vi1179**
NEIC	VI	08 04 46 25.3	32.51S	71.67W	20			
NEIC	Poor solution.							
GUC	**VI**	**09 14 24 37.9**	**32.39S**	**71.02W**	**185**			**¶97vi1408**
ISC	**VI**	**09 14 45 29.2**±.63	**31.90S**±.045	**71.53W**±.075	**68**±6.9	**4.5b**	**120**	**1-170**
NEIC	VI	09 14 45 28.5	31.89S	71.63W	62	4.9b		**¶97vi1411**
EIDC	VI	09 14 45 29.0	31.9S	71.4W	52	4.3b,4.3s		
HRVD	VI	09 14 45 29.6±.6	32.08S±.08	71.83W±.08	67±8.1			
BJI	VI	09 14 45 29.6	32.13S	71.88W	64			
GUC	VI	09 14 45 30.3	32.02S	71.63W	43	5.0D		
MOS	VI	09 14 45 34.2	32.2S	70.6W	84	5.0b		
NEIC	Mw5.2(HRV)							
NEIC	Felt I=V MM at Salamanca; IV MM at Illapel and Panquehue; III MM at Concon, La Ligua, Los Andes, Papudo, Quillota, Quintero, San Felipe, Santiago, Valparaiso, Ventanas, Vina del Mar and Zapallar.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.05±.41; $M_{\theta\theta}$−0.14±.79; $M_{\phi\phi}$1.19±.58; $M_{r\theta}$−0.84±.61; $M_{r\phi}$−4.72±.35; $M_{\theta\phi}$4.08±.55. Principal Axes: T 6.96,Plg29°,Azm123°; N −1.34,Plg38°,Azm7°; P −5.62,Plg38°,Azm239°. Best double couple: $M_0$6.3×10^{16}Nm, NP1: ϕ_S266°,δ39°,λ−9°. NP2:ϕ_S3°,δ85°,λ−129°.							
GUC	**VI**	**10 01 11 37.5**	**30.77S**	**71.74W**	**14**			**¶97vi1457**
ISC	**VI**	**10 15 05 00**±3.5	**29.5S**±.23	**71.0W**±.30	**33**		**15**	**3-5**
GUC	VI	10 15 04 58.5	29.36S	71.20W	33	4.4D		**¶97vi1540**
ISC	**VI**	**11 06 17 41**±8.9	**32.3S**±.52	**71.8W**±.48	**34**		**14**	**1-2**
GUC	VI	11 06 17 43.5	32.53S	71.63W	34	3.7D		**¶97vi1629**
GUC	**VI**	**12 02 39 30.6**	**32.57S**	**71.99W**	**38**	**3.6D**		**¶97vi1790**
ISC	**VI**	**13 21 58 41**±2.2	**33.0S**±.11	**71.4W**±.18	**41**±29		**15**	**0-3**
NEIC	VI	13 21 58 39.2	32.88S	71.44W	50			**¶97vi2048**
GUC	VI	13 21 58 40.3	32.95S	71.32W	45	4.0D		
NEIC	Poor solution.							
ISC	**VI**	**14 07 19 48**±4.3	**31.8S**±.26	**71.2W**±.33	**37**		**13**	**1-3**
GUC	VI	14 07 19 45.4	31.68S	71.25W	37	4.0D		**¶97vi2097**
ISC	**VI**	**15 09 22 34**±7.8	**34.6S**±.43	**71.2W**±.24	**79**±53		**13**	**0-2**
NEIC	VI	15 09 22 33.3	34.64S	71.19W	80			**¶97vi2271**
GUC	VI	15 09 22 33.7	34.61S	71.22W	76	3.1D		
NEIC	Poor solution.							
ISC	**VI**	**15 12 35 48**±4.7	**33.2S**±.16	**71.6W**±.32	**60**±34		**13**	**0-2**
NEIC	VI	15 12 35 48.7	33.20S	71.56W	50			**¶97vi2295**
GUC	VI	15 12 35 49.1	33.25S	71.51W	45	3.8D		
NEIC	Single network solution.							
ISC	**VI**	**15 15 11 57**±8.4	**32.3S**±.48	**71.8W**±.40	**5**		**11**	**1-2**
NEIC	VI	15 15 11 57.4	32.34S	71.76W	5			**¶97vi2318**
GUC	VI	15 15 11 58.5	32.31S	71.79W	30	3.7D		
NEIC	Poor solution.							
ISC	**VI**	**15 16 28 27**±1.5	**33.75S**±.073	**71.5W**±.18	**30**±9.4		**11**	**0-1**
GUC	VI	15 16 28 27.1	33.74S	71.52W	38	3.1D		**¶97vi2330**
NEIC	VI	15 16 28 27.3	33.75S	71.54W	33			
NEIC	Single network solution.							
ISC	**VI**	**16 13 00 45**±6.0	**32.7S**±.31	**71.9W**±.36	**10**		**12**	**1-2**
NEIC	VI	16 13 00 44.2	32.65S	71.87W	10			**¶97vi2464**
GUC	VI	16 13 00 47.2	32.73S	71.72W	28	3.5D		
NEIC	Poor solution.							
ISC	**VI**	**16 13 59 12**±7.2	**32.6S**±.38	**71.8W**±.41	**20**		**12**	**1-2**
NEIC	VI	16 13 59 11.5	32.66S	71.79W	20			**¶97vi2473**
GUC	VI	16 13 59 13.0	32.74S	71.73W	27	3.2D		
NEIC	Poor solution.							
ISC	**VI**	**17 14 00 14**±8.1	**34.8S**±.54	**71.2W**±.19	**14**		**9**	**0-2**
GUC	VI	17 14 00 03.7	35.51S	71.29W	14			**¶97vi2641**
ISC	**VI**	**18 07 05 09**±7.3	**32.3S**±.52	**71.1W**±.27	**57**		**13**	**1-2**
GUC	VI	18 07 05 08.6	32.23S	71.10W	57			**¶97vi2742**
NEIC	VI	18 07 05 10.1	32.33S	71.09W	50			
NEIC	Poor solution.							
ISC	**VI**	**18 09 49 42**±3.6	**33.3S**±.10	**71.4W**±.20	**63**±36		**12**	**0-1**
GUC	VI	18 09 49 42.3	33.37S	71.26W	57	2.8D		**¶97vi2772**
NEIC	VI	18 09 49 42.9	33.36S	71.27W	50			
NEIC	Single network solution.							
ISC	**VI**	**18 19 14 30**±8.3	**34.8S**±.49	**71.2W**±.32	**85**±51		**10**	**0-2**
NEIC	VI	18 19 14 27.1	34.95S	71.18W	100			**¶97vi2822**
GUC	VI	18 19 14 29.6	34.80S	71.12W	90			
NEIC	Poor solution.							
GUC	**VI**	**20 18 28 01.0**	**34.66S**	**72.47W**	**29**			**¶97vi3097**
ISC	**VI**	**21 06 31 41**±7.6	**32.3S**±.46	**71.7W**±.32	**10**		**13**	**1-2**
GUC	VI	21 06 31 40.2	32.21S	71.71W	13	3.9D		**¶97vi3167**
NEIC	VI	21 06 31 40.8	32.29S	71.66W	10			
NEIC	Poor solution.							
GUC	**VI**	**21 13 41 56.2**	**31.53S**	**71.61W**	**36**	**3.8D**		**¶97vi3227**
ISC	**VI**	**21 23 18 07.6**±.96	**32.16S**±.063	**71.6W**±.12	**70**±10	**3.9b**	**27**	**1-75**
NEIC	VI	21 23 18 07.0	32.05S	71.46W	50			**¶97vi3286**
GUC	VI	21 23 18 08.3	32.23S	71.61W	45	4.3D		
EIDC	VI	21 23 18 08.4	32.2S	71.2W	44	4.3b,4.4L		
NEIC	Felt I=IV MM at Illapel; III MM at Los Vilos and Papudo; II MM at Limache, Puchuncavi, Quillota, San Felipe, Ventanas and Zapallar.							
GUC	**VI**	**22 01 48 47.8**	**31.49S**	**71.63W**	**20**	**4.1D**		**¶97vi3308**
GUC	**VI**	**22 09 03 47.2**	**32.05S**	**71.56W**	**28**	**3.7D**		**¶97vi3359**
GUC	**VI**	**23 15 29 53.1**	**32.21S**	**71.37W**	**44**	**3.8D**		**¶97vi3550**
GUC	**VI**	**25 05 52 39.9**	**32.41S**	**71.64W**	**29**	**3.7D**		**¶97vi3855**
ISC	**VI**	**25 09 18 38**±3.5	**32.7S**±.17	**71.6W**±.31	**34**		**11**	**1-3**
GUC	VI	25 09 18 35.4	32.61S	71.59W	34	4.0D		**¶97vi3880**
NEIC	VI	25 09 18 35.9	32.72S	71.57W	10			
NEIC	Less reliable solution.							
GUC	**VI**	**26 02 43 33.2**	**34.63S**	**72.42W**	**21**	**3.8D**		**¶97vi4073**
ISC	**VI**	**26 18 03 57**±3.0	**34.0S**±.10	**71.5W**±.23	**47**±32		**9**	**0-1**
GUC	VI	26 18 03 56.7	33.99S	71.40W	45			**¶97vi4182**
GUC	**VI**	**27 03 48 15.8**	**31.89S**	**71.43W**	**40**	**3.8D**		**¶97vi4233**
ISC	**VI**	**27 17 14 26**±12	**32.3S**±.69	**72.0W**±.72	**30**		**12**	**1-2**
NEIC	VI	27 17 14 27.0	32.37S	71.89W	30			**¶97vi4333**
GUC	VI	27 17 14 29.0	32.52S	71.79W	31	3.7D		
NEIC	Poor solution.							
ISC	**VI**	**28 04 23 53**±5.2	**31.4S**±.32	**71.3W**±.33	**15**		**16**	**1-3**
GUC	VI	28 04 23 50.7	31.20S	71.12W	15	4.0D		**¶97vi4412**
NEIC	VI	28 04 23 54.5	31.50S	71.15W	10			
NEIC	Single network solution.							
ISC	**VI**	**29 01 32 57**±3.2	**32.6S**±.16	**71.7W**±.26	**50**		**16**	**1-3**
NEIC	VI	29 01 32 56.1	32.53S	71.72W	50			**¶97vi4550**
GUC	VI	29 01 32 58.6	32.66S	71.52W	49	4.0D		
NEIC	Poor solution.							
ISC	**VI**	**30 00 15 43**±7.2	**32.4S**±.43	**71.7W**±.33	**10**		**12**	**1-2**
GUC	VI	30 00 15 42.7	32.36S	71.76W	15	3.0D		**¶97vi4688**
NEIC	VI	30 00 15 42.7	32.41S	71.70W	10			
NEIC	Poor solution.							
ISC	**VI**	**30 23 41 31**±11	**34.9S**±.66	**71.1W**±.24	**98**±61		**14**	**0-2**
NEIC	VI	30 23 41 31.2	34.91S	71.04W	100			**¶97vi4844**
GUC	VI	30 23 41 32.1	34.87S	71.06W	94	3.2D		
NEIC	Poor solution.							

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ISC	**I**	**03 12 50 58**±6.6	**35.2S**±.51	**71.3W**±.32	**90**		**11**	**1-3**
GUC	I	03 12 50 59.1	35.16S	71.31W	93			**¶97i0375**
NEIC	I	03 12 51 00.1	35.10S	71.20W	90			
NEIC	Poor solution.							
ISC	**I**	**06 22 24 34**±8.8	**35.5S**±.64	**71.7W**±.48	**93**±21		**13**	**1-19**
NEIC	I	06 22 24 24.9	36.16S	71.88W	80			**¶97i0839**
GUC	I	06 22 24 26.6	36.07S	71.76W	90	3.9D		
NEIC	Poor solution.							
ISC	**I**	**11 07 41 09**±8.6	**35.8S**±.67	**71.4W**±.45	**130**		**12**	**1-3**
NEIC	I	11 07 41 10.0	35.71S	71.32W	130			**¶97i1489**
GUC	I	11 07 41 13.0	35.50S	71.43W	116	3.1D		
NEIC	Poor solution.							
GUC	**I**	**14 05 39 35.3**	**36.06S**	**71.71W**	**10**	**4.0D**		**¶97i1959**
ISC	**I**	**16 06 00 30**±9.7	**35.5S**±.72	**71.5W**±.44	**97**		**10**	**1-3**
GUC	I	16 06 00 31.0	35.41S	71.43W	97			**¶97i2259**
GUC	**I**	**19 05 35 22.6**	**37.23S**	**72.23W**	**160**			**¶97i2790**
GUC	**I**	**22 00 50 38.5**	**36.82S**	**71.88W**	**179**	**3.4D**		**¶97i3257**
ISC	**I**	**23 16 35 25**±3.4	**35.0S**±.29	**71.1W**±.26	**106**		**12**	**0-2**
GUC	I	23 16 35 25.6	35.01S	71.06W	106			**¶97i3528**
NEIC	I	23 16 35 27.9	34.83S	71.01W	100			
NEIC	Poor solution.							
ISC	**I**	**26 02 05 28**±8.9	**35.0S**±.54	**71.8W**±.54	**66**		**12**	**1-3**
NEIC	I	26 02 05 27.9	35.01S	71.79W	70			**¶97i3873**
GUC	I	26 02 05 28.9	34.96S	71.76W	66	3.3D		
NEIC	Poor solution.							
ISC	**I**	**29 01 17 56**±2.3	**36.54S**±.094	**71.4W**±.58	**182**±50		**13**	**2-4**
NEIC	I	29 01 17 57.5	36.56S	71.32W	150			**¶97i4277**
GUC	I	29 01 17 59.5	36.30S	71.38W	175	3.8D		
NEIC	Less reliable solution.							
ISC	**II**	**02 02 43 41**±7.7	**35.8S**±.64	**71.3W**±.45	**152**		**12**	**1-3**
GUC	II	02 02 43 39.2	35.89S	71.39W	152	2.2D		**¶97ii0162**
ISC	**II**	**07 13 19 57**±8.1	**35.5S**±.61	**71.5W**±.46	**106**		**9**	**1-3**
GUC	II	07 13 19 55.4	35.58S	71.56W	106			**¶97ii0991**
NEIC	II	07 13 19 59.2	35.27S	71.45W	110			
NEIC	Poor solution.							
ISC	**II**	**24 18 37 01**±8.5	**35.4S**±.62	**71.6W**±.41	**94**		**12**	**1-3**
NEIC	II	24 18 37 00.6	35.43S	71.48W	100			**¶97ii3524**
GUC	II	24 18 37 02.4	35.31S	71.47W	94	2.9D		
NEIC	Poor solution.							
GUC	**III**	**06 06 35 02.4**	**29.01S**	**70.56W**	**224**			**¶97iii1217**
GUC	**III**	**07 17 36 01.6**	**36.21S**	**71.33W**	**163**			**¶97iii1560**
ISC	**III**	**15 05 10 55**±11	**35.4S**±.71	**71.8W**±.39	**5**		**13**	**1-3**
GUC	III	15 05 10 51.4	35.62S	71.89W	5	3.9D		**¶97iii3006**
GUC	**III**	**23 14 34 07.4**	**35.47S**	**71.91W**	**91**	**3.2D**		**¶97iii4450**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**III**	**28 10 41 27**±7.1	**35.3S**±.57	**71.1W**±.32	**110**		**11**	**1-3**	
GUC	III	28 10 41 26.5	35.30S	71.19W	106	3.0D			¶97iii5426
NEIC	III	28 10 41 27.0	35.24S	71.14W	110				
NEIC	Poor solution.								
ISC	**III**	**31 22 19 29**±10	**35.8S**±.76	**71.6W**±.53	**141**		**12**	**2-3**	
NEIC	III	31 22 19 26.9	35.96S	71.60W	140				¶97iii5940
GUC	III	31 22 19 29.4	35.76S	71.57W	141	4.1D			
NEIC	Poor solution.								
GUC	**IV**	**02 00 56 13.8**	**36.11S**	**71.59W**	**164**	**3.5D**			¶97iv0167
ISC	**IV**	**06 23 52 32**±10	**35.6S**±.78	**71.6W**±.55	**131**		**11**	**2-3**	
GUC	IV	06 23 52 30.5	35.80S	71.66W	131	2.6D			¶97iv1078
GUC	**IV**	**08 23 10 55.2**	**35.07S**	**71.17W**	**96**				¶97iv1425
ISC	**IV**	**09 08 18 21**±8.2	**35.5S**±.64	**71.4W**±.41	**120**		**12**	**1-3**	
NEIC	IV	09 08 18 21.7	35.41S	71.34W	120				¶97iv1483
GUC	IV	09 08 18 22.8	35.32S	71.32W	121	3.5D			
NEIC	Poor solution.								
ISC	**IV**	**10 15 59 05**±6.0	**35.3S**±.50	**71.1W**±.31	**125**		**12**	**1-3**	
NEIC	IV	10 15 59 05.5	35.21S	71.04W	125				¶97iv1714
GUC	IV	10 15 59 06.8	35.12S	71.04W	123	3.5D			
NEIC	Poor solution.								
ISC	**IV**	**11 01 30 10**±5.3	**35.0S**±.44	**71.1W**±.27	**90**		**9**	**0-2**	
GUC	IV	11 01 30 10.1	35.02S	71.17W	90				¶97iv1779
NEIC	IV	11 01 30 10.1	34.98S	71.11W	100				
NEIC	Poor solution.								
ISC	**IV**	**12 23 24 58**±11	**35.2S**±.70	**71.7W**±.57	**72**		**11**	**1-3**	
GUC	IV	12 23 24 54.9	35.43S	71.80W	72				¶97iv2152
ISC	**IV**	**16 02 49 44**±6.3	**35.4S**±.52	**71.2W**±.34	**120**		**13**	**1-3**	
NEIC	IV	16 02 49 45.4	35.29S	71.14W	120				¶97iv2678
GUC	IV	16 02 49 47.0	35.20S	71.21W	107	3.4D			
NEIC	Poor solution.								
ISC	**IV**	**20 23 54 50**±5.1	**35.2S**±.40	**71.3W**±.29	**100**		**13**	**1-3**	
NEIC	IV	20 23 54 51.1	35.15S	71.21W	100				¶97iv3376
GUC	IV	20 23 54 51.2	35.15S	71.24W	100	3.3D			
NEIC	Poor solution.								
GUC	**IV**	**22 01 18 25.4**	**36.07S**	**71.71W**	**132**	**3.5D**			¶97iv3613
NEIC	IV	22 01 18 27.4	35.85S	71.68W	150				
NEIC	Poor solution.								
GUC	**V**	**04 00 31 51.1**	**35.77S**	**71.06W**	**1**	**3.9D**			¶97v0529
ISC	**V**	**14 04 31 40**±8.6	**35.6S**±.64	**71.4W**±.45	**114**		**12**	**1-3**	
GUC	V	14 04 31 38.0	35.76S	71.57W	114	3.5D			¶97v2390
GUC	**V**	**22 19 30 51.7**	**35.94S**	**71.86W**	**112**	**2.6D**			¶97v3824
GUC	**V**	**24 17 40 46.7**	**36.12S**	**71.73W**	**104**				¶97v4150
ISC	**V**	**25 10 00 05**±3.3	**35.0S**±.28	**71.1W**±.25	**110**		**12**	**0-2**	
GUC	V	25 10 00 05.3	34.99S	71.05W	110	3.4D			¶97v4254
ISC	**VI**	**01 06 06 16**±7.6	**35.5S**±.58	**71.4W**±.41	**107**		**10**	**1-3**	
GUC	VI	01 06 06 16.8	35.46S	71.38W	107	2.9D			¶97vi0030
ISC	**VI**	**07 00 45 22**±12	**35.1S**±.80	**71.2W**±.35	**93**±50		**9**	**0-2**	
GUC	VI	07 00 45 22.3	35.00S	71.16W	95				¶97vi1018
ISC	**VI**	**07 06 11 01**±4.8	**35.2S**±.41	**71.1W**±.34	**104**		**9**	**1-3**	
GUC	VI	07 06 11 01.0	35.18S	71.16W	104				¶97vi1051
ISC	**VI**	**07 12 33 22**±12	**35.2S**±.80	**71.6W**±.42	**27**		**10**	**1-3**	
GUC	VI	07 12 33 21.0	35.23S	71.72W	27				¶97vi1095
ISC	**VI**	**13 09 22 07.9**±.98	**28.48S**±.073	**70.1W**±.11	**104**±12	**4.1b**	**32**	**2-149**	
NEIC	VI	13 09 22 07.2	28.45S	70.03W	96	4.5b			¶97vi1964
EIDC	VI	13 09 22 09.2	28.5S	69.9W	94	4.2b			
NEIC	Less reliable solution.								
GUC	**VI**	**15 14 57 57.1**	**35.72S**	**71.64W**	**114**	**2.9D**			¶97vi2315
GUC	**VI**	**25 08 34 22.8**	**35.92S**	**71.44W**	**126**	**3.0D**			¶97vi3872

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ISC	**I**	**02 20 58 40.2**±.61	**31.86S**±.068	**67.32W**±.078	**140**±8.6	**4.3b**	**47**	**1-162**	
NEIC	I	02 20 58 38.9	31.87S	67.17W	128	4.5b			¶97i0273
EIDC	I	02 20 58 40.4	31.8S	67.2W	129	4.2b			
GUC	I	02 20 58 45.3	32.01S	68.35W	228	4.7D			
ISC	**I**	**05 04 17 26**±6.5	**31.9S**±.46	**69.7W**±.56	**153**		**11**	**1-3**	
NEIC	I	05 04 17 25.4	31.90S	69.66W	150				¶97i0614
GUC	I	05 04 17 26.0	31.95S	69.73W	153	2.7D			
NEIC	Poor solution.								
GUC	**I**	**08 12 36 13.0**	**31.29S**	**69.47W**	**190**	**3.7D**			¶97i1059
GUC	**I**	**12 09 30 08.7**	**31.50S**	**69.47W**	**178**	**3.6D**			¶97i1654
ISC	**I**	**14 00 55 54**±1.4	**31.2S**±.31	**68.2W**±.26	**181**		**14**	**1-11**	
GUC	I	14 00 55 52.6	31.30S	68.02W	181	4.3D			¶97i1925
NEIC	I	14 00 55 54.1	31.66S	67.55W	33	3.9b			
NEIC	Single network solution.								
GUC	**I**	**16 02 43 52.8**	**31.40S**	**69.61W**	**175**	**3.7D**			¶97i2245
ISC	**I**	**16 13 27 58**±6.7	**31.8S**±.53	**69.9W**±.48	**152**		**11**	**1-3**	
GUC	I	16 13 27 54.4	31.52S	69.73W	152	3.3D			¶97i2318
NEIC	I	16 13 27 54.4	31.56S	69.74W	160				
NEIC	Poor solution.								
GUC	**I**	**17 01 25 04.2**	**31.14S**	**69.33W**	**207**	**3.0D**			¶97i2386
GUC	**I**	**18 14 52 03.2**	**31.43S**	**68.03W**	**234**	**3.9D**			¶97i2678
GUC	**I**	**18 22 37 46.0**	**31.13S**	**69.17W**	**125**	**4.3D**			¶97i2724
ISC	**I**	**21 02 50 16**±1.1	**31.8S**±.13	**67.7W**±.15	**62**±19	3.5b	**23**	**1-152**	
EIDC	I	21 02 50 10.1	32.0S	68.1W	0	3.5b,4.2L			¶97i3128
GUC	I	21 02 50 11.0	31.28S	68.19W	207	4.1D			
NEIC	I	21 02 50 15.6	31.75S	67.77W	53				
NEIC	Less reliable solution.								
GUC	**I**	**22 07 40 38.2**	**31.41S**	**67.83W**	**146**				¶97i3293
ISC	**I**	**23 13 34 08**±9.1	**31.3S**±.73	**70.0W**±.61	**180**		**11**	**2-3**	
NEIC	I	23 13 34 05.0	31.07S	69.75W	180				¶97i3503
GUC	I	23 13 34 05.1	31.11S	69.82W	186				
NEIC	Poor solution.								
GUC	**I**	**24 07 29 00.2**	**31.01S**	**68.80W**	**84**	**4.0D**			¶97i3614
GUC	**I**	**24 09 24 44.8**	**31.03S**	**68.84W**	**107**	**3.8D**			¶97i3631
ISC	**I**	**26 11 50 54**±7.5	**31.6S**±.56	**69.7W**±.62	**170**		**10**	**1-3**	
NEIC	I	26 11 50 51.3	31.49S	69.60W	170				¶97i3940
GUC	I	26 11 50 53.0	31.62S	69.72W	171				
NEIC	Poor solution.								
ISC	**I**	**27 18 49 38**±2.2	**31.5S**±.26	**69.7W**±.27	**145**		**13**	**1-3**	
NEIC	I	27 18 49 40.9	31.78S	69.94W	150				¶97i4115
GUC	I	27 18 49 42.0	31.86S	69.94W	145	3.9D			
NEIC	Poor solution.								
ISC	**I**	**29 11 22 38**±8.2	**31.7S**±.60	**69.1W**±.80	**223**		**9**	**2-3**	
GUC	I	29 11 22 37.4	31.68S	69.14W	223				¶97i4341
ISC	**I**	**30 03 14 38.5**±.80	**31.5S**±.12	**68.3W**±.19	**115**±16	3.9b	**19**	**0-78**	
EIDC	I	30 03 14 29.7	31.6S	67.4W	0	4.2b,4.0L			¶97i4431
GUC	I	30 03 14 38.6	31.46S	69.01W	212	4.2D			
NEIC	I	30 03 14 40.7	31.72S	68.84W	200	4.0b			
NEIC	Less reliable solution.								
GUC	**I**	**30 23 44 21.5**	**31.38S**	**69.03W**	**242**				¶97i4563
GUC	**II**	**02 21 16 30.2**	**31.22S**	**69.72W**	**193**	**3.5D**			¶97ii0280
NEIC	II	02 21 16 28.5	31.06S	69.61W	190				
NEIC	Poor solution.								
ISC	**II**	**05 14 22 28**±9.2	**31.6S**±.61	**69.2W**±.82	**210**		**12**	**2-3**	
NEIC	II	05 14 22 24.6	31.41S	68.83W	210				¶97ii0703
GUC	II	05 14 22 25.2	31.50S	68.90W	211	3.7D			
NEIC	Poor solution.								
GUC	**II**	**06 05 50 31.4**	**31.62S**	**68.91W**	**0**	**3.9D**			¶97ii0801
ISC	**II**	**08 16 22 24**±8.3	**31.8S**±.61	**69.7W**±.65	**157**		**9**	**1-2**	
GUC	II	08 16 22 25.1	31.85S	69.74W	157				¶97ii1170
ISC	**II**	**08 16 40 42**±1.5	**31.4S**±.26	**69.1W**±.26	**85**±17	4.1b	**12**	**0-25**	
GUC	II	08 16 40 40.5	31.52S	69.45W	186				¶97ii1173
NEIC	II	08 16 40 44.1	31.64S	69.50W	150	4.2b			
NEIC	Less reliable solution.								
GUC	**II**	**09 05 18 13.9**	**29.42S**	**68.92W**	**176**	**3.8D**			¶97ii1258
GUC	**II**	**09 14 54 11.4**	**30.68S**	**68.12W**	**290**	**4.0D**			¶97ii1318
GUC	**II**	**10 06 35 30.2**	**31.17S**	**68.58W**	**252**	**3.4D**			¶97ii1423
ISC	**II**	**12 22 17 22**±9.4	**31.4S**±.83	**69.9W**±.90	**192**		**6**	**1-3**	
GUC	II	12 22 17 20.6	31.47S	69.49W	192				¶97ii1826
ISC	**II**	**17 23 04 09**±2.5	**31.3S**±.30	**69.4W**±.29	**158**		**13**	**1-4**	
NEIC	II	17 23 04 15.4	31.71S	69.83W	160				¶97ii2564
GUC	II	17 23 04 15.5	31.74S	69.79W	158				
NEIC	Poor solution.								
GUC	**II**	**25 12 39 24.3**	**31.38S**	**69.21W**	**197**				¶97ii3622
GUC	**II**	**28 17 57 05.2**	**31.30S**	**69.15W**	**215**				¶97ii4304
GUC	**III**	**03 12 32 11.2**	**31.48S**	**69.61W**	**185**	**3.3D**			¶97iii0573
NEIC	III	03 12 32 08.9	31.29S	69.55W	190				
NEIC	Poor solution.								
GUC	**III**	**05 14 00 41.5**	**31.39S**	**69.41W**	**183**	**3.2D**			¶97iii1074
ISC	**III**	**08 16 54 14**±2.2	**31.6S**±.22	**68.5W**±.36	**197**		**14**	**0-4**	
GUC	III	08 16 54 22.3	32.06S	69.22W	197	3.2D			¶97iii1796
ISC	**III**	**10 16 08 57**±8.2	**31.6S**±.62	**69.9W**±.60	**158**		**10**	**1-3**	
GUC	III	10 16 08 55.9	31.51S	69.83W	158	3.2D			¶97iii2242
ISC	**III**	**14 22 46 17**±2.3	**31.3S**±.28	**69.4W**±.28	**155**		**13**	**1-4**	
NEIC	III	14 22 46 17.2	31.34S	69.41W	150				¶97iii2958
GUC	III	14 22 46 22.3	31.67S	69.85W	155	3.2D			
NEIC	Poor solution.								
ISC	**III**	**18 21 16 24**±2.0	**31.6S**±.28	**69.5W**±.29	**139**		**10**	**1-3**	
NEIC	III	18 21 16 26.2	31.71S	69.65W	140				¶97iii3591
GUC	III	18 21 16 28.2	31.90S	69.69W	139	3.3D			
NEIC	Poor solution.								
GUC	**III**	**21 08 59 37.5**	**31.26S**	**69.37W**	**202**				¶97iii4043
ISC	**III**	**21 14 58 25**±2.7	**31.1S**±.32	**69.0W**±.31	**168**		**12**	**0-4**	
NEIC	III	21 14 58 29.3	31.39S	69.05W	130				¶97iii4086
GUC	III	21 14 58 33.3	31.69S	69.59W	168	3.6D			
NEIC	Poor solution.								
GUC	**III**	**26 00 46 47.6**	**31.20S**	**69.48W**	**195**	**3.0D**			¶97iii4819
ISC	**III**	**26 14 05 32**±11	**31.3S**±.78	**69.2W**±.94	**212**		**9**	**2-3**	
GUC	III	26 14 05 30.6	31.10S	69.26W	212				¶97iii4996
GUC	**III**	**27 00 54 36.6**	**31.87S**	**69.91W**	**167**	**3.3D**			¶97iii5105
ISC	**III**	**29 08 17 17**±3.1	**31.1S**±.33	**69.3W**±.28	**150**		**14**	**1-3**	
GUC	III	29 08 17 24.2	31.51S	69.84W	150	4.0D			¶97iii5561
NEIC	III	29 08 17 25.9	31.68S	69.80W	150				
NEIC	Poor solution.								
ISC	**III**	**29 16 25 59.5**±.61	**31.16S**±.065	**68.65W**±.076	**108**±7.0	**4.5b**	**64**	**0-163**	
NEIC	III	29 16 26 00.1	31.20S	68.71W	115	4.6b			¶97iii5621
EIDC	III	29 16 26 01.1	31.2S	68.6W	115	4.2b,3.4s			
GUC	III	29 16 26 02.0	31.40S	69.26W	190	4.6D			
MOS	III	29 16 26 11.6	31.9S	70.8W	182	4.5b			
GUC	**IV**	**03 00 24 12.8**	**31.70S**	**67.79W**	**254**	**3.3D**			¶97iv0354
ISC	**IV**	**06 06 47 45**±2.1	**31.4S**±.27	**69.2W**±.28	**166**		**13**	**0-3**	
GUC	IV	06 06 47 52.2	31.82S	69.71W	166	2.9D			¶97iv0951
NEIC	IV	06 06 47 52.3	31.85S	69.71W	170				
NEIC	Poor solution.								
GUC	**IV**	**06 16 32 20.0**	**30.98S**	**68.11W**	**238**	**3.2D**			¶97iv1018
ISC	**IV**	**10 01 18 32**±2.0	**31.5S**±.27	**69.0W**±.27	**100**		**11**	**0-3**	
GUC	IV	10 01 18 31.5	31.47S	69.66W	178	3.3D			¶97iv1607
NEIC	IV	10 01 18 31.8	31.47S	69.01W	100				
NEIC	Poor solution.								
ISC	**IV**	**10 08 35 03.4**±.96	**29.21S**±.077	**68.13W**±.097	**92**±11	**4.2b**	**36**	**2-167**	
GUC	IV	10 08 35 01.2	29.23S	69.40W	304	4.2D			¶97iv1658
EIDC	IV	10 08 35 02.3	29.3S	68.2W	76	4.1b			
NEIC	IV	10 08 35 07.2	29.49S	68.33W	135	4.1b			
NEIC	Less reliable solution.								
ISC	**IV**	**10 12 22 23**±2.0	**31.4S**±.26	**69.1W**±.28	**166**		**13**	**0-3**	
NEIC	IV	10 12 22 25.1	31.54S	69.05W	150				¶97iv1690
GUC	IV	10 12 22 30.7	31.88S	69.64W	166	3.9D			
NEIC	Poor solution.								
ISC	**IV**	**10 22 35 55**±9.6	**31.6S**±.60	**68.8W**±.87	**219**		**12**	**2-4**	
GUC	IV	10 22 35 55.9	31.57S	68.98W	219				¶97iv1756
GUC	**IV**	**11 07 51 24.8**	**31.66S**	**68.29W**	**256**				¶97iv1835
ISC	**IV**	**11 12 37 28**±6.8	**30.3S**±.62	**68.6W**±.39	**188**		**11**	**1-5**	
NEIC	IV	11 12 37 40.0	30.98S	68.93W	120				¶97iv1900
GUC	IV	11 12 37 43.1	31.30S	69.47W	188				
NEIC	Poor solution.								
ISC	**IV**	**11 14 14 56**±7.9	**30.1S**±.69	**68.5W**±.37	**178**		**14**	**1-5**	
GUC	IV	11 14 15 11.9	31.17S	69.33W	178	3.6D			¶97iv1915
ISC	**IV**	**15 02 43 35.1**±.55	**31.35S**±.063	**68.65W**±.093	**112**±7.4	**4.0b**	**39**	**0-152**	
NEIC	IV	15 02 43 34.2	31.31S	68.57W	105	4.3b			¶97iv2543
EIDC	IV	15 02 43 35.2	31.4S	68.7W	107	3.8b,3.2s			
GUC	IV	15 02 43 35.4	31.28S	69.28W	178	4.5D			
ISC	**IV**	**15 03 08 30**±3.6	**30.8S**±.36	**68.4W**±.39	**170**		**13**	**1-4**	
GUC	IV	15 03 08 42.2	31.54S	69.17W	168	3.5D			¶97iv2546
NEIC	IV	15 03 08 42.4	31.60S	69.14W	170				
NEIC	Poor solution.								
ISC	**IV**	**15 09 10 05**±2.8	**31.4S**±.29	**69.9W**±.25	**138**		**14**	**1-3**	
NEIC	IV	15 09 10 06.6	31.56S	70.00W	150				¶97iv2583
GUC	IV	15 09 10 09.5	31.73S	70.07W	138	3.5D			
NEIC	Poor solution.								
GUC	**IV**	**16 03 53 29.5**	**31.20S**	**69.33W**	**185**	**3.8D**			¶97iv2683
GUC	**IV**	**16 04 24 59.6**	**31.33S**	**69.17W**	**206**	**3.6D**			¶97iv2688
ISC	**IV**	**16 04 44 37**±9.9	**31.1S**±.71	**69.3W**±.96	**228**		**10**	**2-4**	
GUC	IV	16 04 44 37.2	31.22S	69.20W	228				¶97iv2691
ISC	**IV**	**20 08 33 24**±2.8	**31.4S**±.28	**70.0W**±.26	**133**		**15**	**1-3**	
NEIC	IV	20 08 33 27.2	31.65S	70.17W	140				¶97iv3289
GUC	IV	20 08 33 28.7	31.73S	70.22W	133	3.7D			
NEIC	Poor solution.								

ISC	**IV**	**22 14 09 02**±3.4	**30.8S**±.36	**68.6W**±.36	**180**		**13**	**1-4**
NEIC	IV	22 14 09 12.4	31.45S	69.20W	180			**¶97iv3761**
GUC	IV	22 14 09 14.6	31.58S	69.45W	182	3.8D		
NEIC	Poor solution.							
ISC	**IV**	**28 17 52 21**±2.2	**31.4S**±.27	**69.0W**±.24	**100**		**13**	**0-4**
GUC	IV	28 17 52 20.6	31.48S	69.53W	183	3.7D		**¶97iv4964**
NEIC	IV	28 17 52 20.6	31.37S	69.05W	100			
NEIC	Poor solution.							
ISC	**IV**	**29 08 04 22**±1.0	**32.0S**±.14	**69.0W**±.22	**10**		**12**	**0-3**
NEIC	IV	29 08 04 22.3	31.96S	68.99W	10			**¶97iv5041**
GUC	IV	29 08 04 22.7	32.02S	68.97W	10	4.0D		
NEIC	Less reliable solution.							
ISC	**V**	**04 11 26 42**±6.9	**31.5S**±.55	**70.0W**±.52	**170**		**12**	**1-3**
GUC	V	04 11 26 40.5	31.46S	69.73W	170	2.7D		**¶97v0630**
NEIC	V	04 11 26 40.8	31.45S	69.82W	170			
NEIC	Poor solution.							
ISC	**V**	**08 10 27 39**±2.7	**31.2S**±.32	**69.4W**±.29	**142**		**12**	**1-4**
NEIC	V	08 10 27 41.4	31.39S	69.42W	120			**¶97v1224**
GUC	V	08 10 27 44.5	31.64S	69.68W	142	3.7D		
NEIC	Poor solution.							
ISC	**V**	**11 07 37 17**±2.8	**31.1S**±.32	**69.3W**±.28	**157**		**14**	**1-4**
NEIC	V	11 07 37 21.1	31.34S	69.33W	120			**¶97v1746**
GUC	V	11 07 37 23.5	31.55S	69.71W	157	4.1D		
NEIC	Poor solution.							
ISC	**V**	**12 21 46 09**±7.5	**31.9S**±.54	**70.0W**±.52	**132**		**12**	**1-3**
GUC	V	12 21 46 06.2	31.71S	69.81W	132	3.2D		**¶97v2050**
ISC	**V**	**14 22 17 12**±2.1	**31.5S**±.26	**69.6W**±.27	**149**		**12**	**1-3**
GUC	V	14 22 17 16.2	31.82S	69.98W	149	3.3D		**¶97v2512**
ISC	**V**	**15 10 21 45**±7.5	**31.5S**±.56	**69.7W**±.60	**178**		**13**	**1-3**
GUC	V	15 10 21 43.4	31.44S	69.56W	178	3.4D		**¶97v2597**
ISC	**V**	**18 06 45 11**±8.5	**31.4S**±.62	**69.7W**±.82	**185**		**10**	**1-3**
GUC	V	18 06 45 08.6	31.32S	69.47W	185	3.4D		**¶97v3039**
ISC	**V**	**19 06 11 46**±7.9	**31.8S**±.60	**70.0W**±.57	**143**		**9**	**1-3**
NEIC	V	19 06 11 44.7	31.66S	69.90W	140			**¶97v3209**
GUC	V	19 06 11 45.3	31.74S	69.87W	143	3.0D		
NEIC	Poor solution.							
ISC	**V**	**20 13 18 59**±9.3	**31.4S**±.66	**69.4W**±.75	**200**		**12**	**2-3**
NEIC	V	20 13 18 56.2	31.22S	69.15W	200			**¶97v3404**
GUC	V	20 13 18 57.8	31.41S	69.41W	218	3.8D		
NEIC	Poor solution.							
ISC	**V**	**21 08 32 53**±8.0	**31.8S**±.59	**69.9W**±.59	**139**		**9**	**1-3**
GUC	V	21 08 32 51.6	31.73S	69.73W	139	3.0D		**¶97v3532**
ISC	**V**	**22 16 49 49**±9.0	**31.5S**±.63	**69.2W**±.78	**212**		**11**	**2-3**
GUC	V	22 16 49 43.0	31.13S	68.89W	212			**¶97v3804**
ISC	**V**	**22 23 23 33**±7.6	**31.7S**±.59	**69.9W**±.52	**150**		**10**	**1-3**
GUC	V	22 23 23 31.0	31.59S	69.74W	146	3.3D		**¶97v3848**
NEIC	V	22 23 23 31.4	31.63S	69.80W	150			
NEIC	Poor solution.							
ISC	**V**	**24 01 28 01**±8.9	**31.3S**±.67	**69.8W**±.66	**179**		**12**	**2-3**
GUC	V	24 01 28 02.1	31.41S	69.85W	179	3.9D		**¶97v4032**
ISC	**V**	**24 09 46 58**±9.4	**31.4S**±.67	**69.4W**±.77	**201**		**11**	**2-3**
GUC	V	24 09 46 56.4	31.30S	69.28W	201	2.9D		**¶97v4092**
ISC	**V**	**25 03 13 41**±9.9	**31.7S**±.62	**69.0W**±.91	**204**		**11**	**2-3**
GUC	V	25 03 13 40.6	31.71S	69.07W	204	3.7D		**¶97v4213**
GUC	**V**	**28 09 17 36.9**	**30.78S**	**68.59W**	**211**	**4.1D**		**¶97v4693**
ISC	**V**	**30 02 11 35**±6.9	**31.2S**±.60	**69.6W**±.26	**162**		**11**	**2-4**
NEIC	V	30 02 11 35.7	31.16S	69.64W	150			**¶97v4962**
GUC	V	30 02 11 39.3	31.43S	70.01W	162	3.4D		
NEIC	Poor solution.							
ISC	**VI**	**01 01 08 32**±12	**31.3S**±.86	**69.4W**±.91	**185**		**10**	**2-4**
GUC	VI	01 01 08 30.2	31.27S	69.34W	185			**¶97vi0006**
ISC	**VI**	**04 12 33 24**±2.5	**31.5S**±.26	**69.9W**±.24	**140**		**14**	**1-3**
NEIC	VI	04 12 33 27.8	31.78S	70.06W	140			**¶97vi0612**
NEIC	Poor solution.							
ISC	**VI**	**04 14 36 24**±2.5	**31.6S**±.28	**69.5W**±.20	**33**		**12**	**1-3**
								¶97vi0628
GUC	**VI**	**07 13 03 12.2**	**31.15S**	**68.56W**	**187**	**3.7D**		**¶97vi1098**
ISC	**VI**	**08 09 21 59**±1.7	**31.7S**±.22	**69.6W**±.25	**137**		**13**	**1-3**
GUC	VI	08 09 22 02.0	31.89S	69.78W	137	3.2D		**¶97vi1207**
NEIC	VI	08 09 22 02.5	31.92S	69.87W	140			
NEIC	Poor solution.							
ISC	**VI**	**08 13 01 09**±7.8	**31.5S**±.59	**69.6W**±.66	**200**		**13**	**1-3**
GUC	VI	08 13 01 05.8	31.21S	69.28W	189	3.7D		**¶97vi1241**
NEIC	VI	08 13 01 07.9	31.36S	69.47W	200			
NEIC	Poor solution.							
ISC	**VI**	**09 13 53 52**±9.6	**31.2S**±.74	**69.8W**±.63	**186**		**13**	**2-4**
GUC	VI	09 13 53 52.0	31.23S	69.77W	186	4.0D		**¶97vi1401**
GUC	**VI**	**10 01 13 21.9**	**29.94S**	**68.77W**	**184**			**¶97vi1458**
ISC	**VI**	**10 08 12 00**±1.8	**31.7S**±.21	**69.7W**±.24	**142**		**15**	**1-3**
NEIC	VI	10 08 12 03.2	31.89S	69.92W	150			**¶97vi1493**
GUC	VI	10 08 12 03.7	31.90S	69.87W	142	3.8D		
NEIC	Poor solution.							
ISC	**VI**	**11 07 12 43**±2.1	**31.5S**±.22	**69.8W**±.19	**138**		**14**	**1-3**
GUC	VI	11 07 12 46.2	31.71S	69.97W	138	2.8D		**¶97vi1636**
ISC	**VI**	**12 08 05 25.9**±.77	**31.19S**±.095	**68.3W**±.12	**105**±19		**18**	**0-15**
GUC	VI	12 08 05 26.4	31.21S	69.17W	212	3.4D		**¶97vi1816**
NEIC	VI	12 08 05 27.3	31.30S	68.60W	150			
NEIC	Poor solution.							
ISC	**VI**	**13 01 38 37**±8.9	**31.2S**±.69	**69.6W**±.70	**210**		**13**	**1-4**
GUC	VI	13 01 38 37.8	31.32S	69.56W	210	3.4D		**¶97vi1921**
ISC	**VI**	**16 03 29 07**±9.5	**31.5S**±.67	**69.3W**±.80	**200**		**11**	**1-3**
NEIC	VI	16 03 29 04.3	31.24S	69.14W	200			**¶97vi2398**
GUC	VI	16 03 29 05.1	31.32S	69.28W	202	3.3D		
NEIC	Poor solution.							
ISC	**VI**	**17 10 21 57**±9.3	**31.3S**±.69	**69.5W**±.73	**200**		**13**	**1-4**
NEIC	VI	17 10 21 54.7	31.16S	69.25W	200			**¶97vi2597**
GUC	VI	17 10 21 56.1	31.32S	69.25W	195	3.4D		
NEIC	Poor solution.							
GUC	**VI**	**18 06 05 50.4**	**31.42S**	**69.47W**	**188**	**2.8D**		**¶97vi2733**
ISC	**VI**	**18 06 15 05**±2.2	**31.4S**±.25	**69.1W**±.22	**165**		**14**	**0-4**
NEIC	VI	18 06 15 09.0	31.59S	69.15W	130			**¶97vi2735**
GUC	VI	18 06 15 12.2	31.77S	69.74W	165	2.5D		
NEIC	Poor solution.							
ISC	**VI**	**28 08 01 44**±5.3	**31.4S**±.45	**69.8W**±.21	**139**		**14**	**1-3**
GUC	VI	28 08 01 46.6	31.61S	70.04W	139	3.1D		**¶97vi4447**
NEIC	VI	28 08 01 47.0	31.65S	70.07W	140			
NEIC	Poor solution.							
ISC	**VI**	**28 10 01 26.0**±.42	**31.52S**±.060	**68.65W**±.086	**109**±6.0	**4.0b**	**41**	**0-152**
EIDC	VI	28 10 01 23.5	31.6S	68.7W	77	3.9b		**¶97vi4459**
NEIC	VI	28 10 01 25.1	31.62S	68.46W	107	4.0b		
GUC	VI	28 10 01 25.8	31.56S	69.34W	201			
NEIC	Less reliable solution.							
ISC	**VI**	**28 22 09 00**±4.8	**31.5S**±.41	**69.6W**±.21	**140**		**14**	**1-3**
NEIC	VI	28 22 09 04.7	31.83S	69.99W	140			**¶97vi4533**
GUC	VI	28 22 09 04.9	31.87S	69.93W	140	2.5D		
NEIC	Poor solution.							
GUC	**VI**	**29 09 55 29.7**	**31.69S**	**69.44W**	**182**	**3.3D**		**¶97vi4605**
NEIC	VI	29 09 55 27.5	31.52S	69.27W	180			
NEIC	Poor solution.							

(138) La Rioja Province, Argentina.

ISC	**I**	**18 09 54 42.7**±.83	**31.49S**±.080	**66.8W**±.11	**133**±11	**3.7b**	**28**	**2-152**
NEIC	I	18 09 54 42.7	31.49S	66.73W	135	4.5b		**¶97i2642**
EIDC	I	18 09 54 44.0	31.5S	66.7W	131	3.6b		
GUC	I	18 09 54 57.3	32.05S	68.41W	213	4.3D		
ISC	**II**	**27 06 50 23**±1.4	**28.09S**±.091	**69.0W**±.15	**107**±13	**4.4b**	**19**	**3-148**
EIDC	II	27 06 50 21.4	28.1S	69.1W	81	4.2b		**¶97ii3912**
NEIC	II	27 06 50 22.5	28.08S	68.99W	103	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**08 01 37 40**±2.9	**28.9S**±.44	**68.8W**±.65	**283**		**14**	**3-23**
GUC	IV	08 01 37 38.6	28.97S	68.70W	283	3.8D		**¶97iv1256**
EIDC	**IV**	**14 05 51 55.8**	**29.3S**	**67.6W**	**0**	3.4b,4.3L		**13-81**
								¶97iv2397
ISC	**IV**	**16 12 57 00**±1.2	**28.54S**±.087	**68.9W**±.12	**84**±15	**3.9b**	**25**	**3-148**
NEIC	IV	16 12 57 00.2	28.56S	68.92W	86			**¶97iv2761**
EIDC	IV	16 12 57 00.2	28.6S	69.0W	71	3.8b,4.2L		
NEIC	Less reliable solution.							

(139) Mendoza Province, Argentina.

ISC	**I**	**07 21 29 25**±4.3	**32.2S**±.31	**69.9W**±.45	**140**		**10**	**1-3**
NEIC	I	07 21 29 24.3	32.10S	69.84W	140			**¶97i0980**
GUC	I	07 21 29 24.4	32.11S	69.79W	138			
NEIC	Poor solution.							
ISC	**I**	**14 14 57 55**±8.6	**32.1S**±.44	**68.8W**±.89	**202**		**11**	**2-3**
GUC	I	14 14 57 58.1	32.25S	69.11W	202	3.1D		**¶97i2010**
ISC	**I**	**20 04 39 05**±1.2	**32.0S**±.13	**69.4W**±.22	**119**±20		**14**	**1-16**
NEIC	I	20 04 39 05.3	32.04S	69.71W	150	3.6b		**¶97i2942**
GUC	I	20 04 39 05.4	32.05S	69.84W	157	3.6D		
NEIC	Less reliable solution.							
ISC	**I**	**24 18 35 48**±6.6	**32.7S**±.31	**69.4W**±.71	**150**		**11**	**1-2**
GUC	I	24 18 35 45.3	32.65S	69.16W	157	2.9D		**¶97i3678**
NEIC	I	24 18 35 45.3	32.61S	69.12W	150			
NEIC	Poor solution.							
ISC	**I**	**29 06 33 05**±3.7	**33.4S**±.16	**68.2W**±.34	**14**		**13**	**2-3**
GUC	I	29 06 33 06.5	33.43S	68.35W	14	4.2D		**¶97i4310**
GUC	**II**	**07 14 30 55.4**	**32.45S**	**68.90W**	**190**			**¶97ii1000**
ISC	**II**	**07 15 24 57**±5.5	**32.3S**±.40	**69.5W**±.61	**150**		**7**	**1-2**
NEIC	II	07 15 24 56.3	32.25S	69.49W	150			**¶97ii1005**
GUC	II	07 15 24 57.3	32.25S	69.60W	147	2.5D		
NEIC	Poor solution.							
ISC	**II**	**10 10 52 09.6**±.42	**32.89S**±.053	**68.69W**±.063	**144**±4.2	**4.8b**	**109**	**0-174**
BJI	II	10 10 52 09.9	32.90S	68.80W	149			**¶97ii1445**
NEIC	II	10 10 52 09.9	32.93S	68.75W	149	5.0b		
GUC	II	10 10 52 10.6	32.90S	69.23W	186	4.9D		
MOS	II	10 10 52 11.0	32.9S	68.9W	149	5.2b		
EIDC	II	10 10 52 11.8	32.8S	68.6W	151	4.6b		
HRVD	II	10 10 52 15.4±.6	32.98S±.07	68.31W±.08	152±2.6			
NEIC	Mw5.3(HRV)							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s13,c14; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.93±.58; $M_{\theta\theta}$3.39±1.03; $M_{\phi\phi}$−0.46±1.12; $M_{r\theta}$−9.54±.67; $M_{r\phi}$−2.65±.69; $M_{\theta\phi}$−1.62±1.05. Principal Axes: T 10.3,Plg36°,Azm178°; N 0.5,Plg13°,Azm79°; P −10.8,Plg51°,Azm333°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S317°,δ15°,λ−31°. NP2:ϕ_S77°,δ82°,λ−103°.

ISC	**II**	**11 21 11 57**±4.2	**33.5S**±.18	**68.1W**±.39	**1**		**12**	**2-3**
GUC	II	11 21 11 57.5	33.53S	68.18W	1	3.4D		**¶97ii1673**
ISC	**II**	**22 19 13 05**±5.4	**32.9S**±.18	**68.0W**±.54	**5**		**10**	**1-3**
GUC	II	22 19 13 05.3	32.91S	68.06W	3			**¶97ii3235**
NEIC	II	22 19 13 05.6	32.84S	68.07W	5			
NEIC	Poor solution.							
ISC	**II**	**23 21 00 51**±2.9	**32.4S**±.24	**68.2W**±.47	**197**		**9**	**1-3**
NEIC	II	23 21 00 55.1	32.48S	68.40W	150			**¶97ii3372**
GUC	II	23 21 00 56.2	32.54S	68.90W	197			
NEIC	Poor solution.							
ISC	**II**	**24 10 47 00**±1.4	**33.0S**±.12	**68.9W**±.16	**7**		**13**	**0-2**
GUC	II	24 10 46 59.3	33.04S	68.85W	7	4.5D		**¶97ii3462**
ISC	**III**	**01 01 14 32**±1.8	**33.0S**±.11	**68.9W**±.19	**5**		**13**	**1-2**
NEIC	III	01 01 14 31.2	33.01S	68.86W	5			**¶97iii0011**
GUC	III	01 01 14 31.6	33.04S	68.85W	4	4.0D		
NEIC	Less reliable solution.							
GUC	**III**	**13 07 55 40.0**	**32.61S**	**68.05W**	**14**	**3.7D**		**¶97iii2668**
ISC	**III**	**18 11 53 09**±4.0	**32.4S**±.29	**70.0W**±.41	**130**		**12**	**1-2**
NEIC	III	18 11 53 07.6	32.30S	69.87W	130			**¶97iii3528**
GUC	III	18 11 53 08.7	32.36S	69.97W	129	3.3D		
NEIC	Poor solution.							
ISC	**III**	**19 19 22 58**±4.3	**32.4S**±.29	**69.9W**±.45	**124**		**12**	**1-2**
GUC	III	19 19 22 56.7	32.35S	69.83W	124	3.0D		**¶97iii3754**
NEIC	III	19 19 22 57.2	32.37S	69.85W	120			
NEIC	Poor solution.							
GUC	**III**	**20 03 52 44.3**	**32.56S**	**68.38W**	**2**	**3.7D**		**¶97iii3827**
ISC	**III**	**22 17 12 30.3**±.41	**32.70S**±.065	**69.81W**±.077	**110**±4.9	**4.3b**	**58**	**1-152**
NEIC	III	22 17 12 29.3	32.66S	69.74W	100	4.4b		**¶97iii4297**
EIDC	III	22 17 12 31.0	32.8S	69.8W	111	4.1b		
GUC	III	22 17 12 31.2	32.66S	70.05W	111			
MOS	III	22 17 12 31.8	32.5S	70.1W	98	4.4b		
ISC	**IV**	**01 01 11 59**±15	**32.8S**±.51	**70.0W**±.62	**136**±120		**12**	**1-2**
NEIC	IV	01 01 11 59.2	32.81S	69.97W	130			**¶97iv0010**
GUC	IV	01 01 11 59.5	32.79S	69.99W	129			
NEIC	Poor solution.							
ISC	**IV**	**12 12 03 32**±1.8	**33.0S**±.10	**68.8W**±.19	**10**		**14**	**1-2**
NEIC	IV	12 12 03 32.0	33.04S	68.82W	10			**¶97iv2061**
GUC	IV	12 12 03 33.1	33.06S	68.90W	7	3.7D		
NEIC	Less reliable solution.							
ISC	**IV**	**16 16 53 48**±4.6	**32.3S**±.32	**69.8W**±.49	**138**		**11**	**1-2**
NEIC	IV	16 16 53 45.7	32.23S	69.71W	150			**¶97iv2788**
GUC	IV	16 16 53 48.6	32.35S	69.88W	138	3.3D		
NEIC	Poor solution.							
ISC	**IV**	**23 23 24 12.0**±.94	**32.74S**±.098	**67.3W**±.13	**163**±8.2	**3.6b**	**25**	**2-124**
NEIC	IV	23 23 24 11.7	32.76S	67.30W	164	3.7b		**¶97iv4041**
GUC	IV	23 23 24 13.1	32.72S	67.82W	219	4.0D		
EIDC	IV	23 23 24 26.0	32.4S	66.3W	294	3.4b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		Less reliable solution.						
GUC	**IV**	**27 17 21 41.1**	**35.43S**	**68.44W**	**1**		**¶97iv4767**	
ISC	**V**	**06 02 49 38**±1.5	**32.0S**±.19	**70.0W**±.22	**118**		**12**	**1-3**
NEIC	V	06 02 49 37.5	32.02S	69.97W	120		**¶97v0893**	
GUC	V	06 02 49 39.9	32.19S	70.11W	118	3.3D		
NEIC		Single network solution.						
ISC	**V**	**06 05 13 22.3**±.77	**35.84S**±.084	**69.9W**±.19	**175**±10	**3.7b**	**21**	**2-144**
NEIC	V	06 05 13 22.2	35.84S	69.89W	175	3.7b	**¶97v0907**	
GUC	V	06 05 13 24.5	35.58S	70.43W	196	3.6D		
EIDC	V	06 05 13 24.5	35.9S	69.8W	182	3.6b		
NEIC		Less reliable solution.						
GUC	**V**	**06 07 10 59.4**	**32.97S**	**68.03W**	**1**		**¶97v0925**	
ISC	**V**	**22 14 35 35**±4.4	**32.0S**±.32	**69.9W**±.43	**140**		**12**	**1-3**
NEIC	V	22 14 35 33.6	31.99S	69.85W	140		**¶97v3782**	
GUC	V	22 14 35 34.8	32.07S	69.97W	142	3.7D		
NEIC		Poor solution.						
ISC	**V**	**22 22 19 42**±5.3	**32.2S**±.36	**69.9W**±.46	**130**		**12**	**1-3**
NEIC	V	22 22 19 39.7	32.04S	69.74W	130		**¶97v3841**	
GUC	V	22 22 19 40.2	32.06S	69.84W	133	3.3D		
NEIC		Poor solution.						
ISC	**V**	**24 04 55 36**±5.1	**32.9S**±.22	**69.8W**±.38	**28**		**11**	**1-2**
GUC	V	24 04 55 28.9	32.67S	69.25W	28	4.1D	**¶97v4054**	
GUC	**V**	**26 13 29 42.2**	**33.62S**	**68.68W**	**7**	**3.4D**	**¶97v4421**	
ISC	**VI**	**08 18 05 00.7**±.35	**32.71S**±.058	**69.93W**±.071	**108**±4.7	**4.2b**	**58**	**1-163**
MOS	VI	08 18 04 59.4	32.5S	69.7W	87	4.5b	**¶97vi1272**	
NEIC	VI	08 18 04 59.6	32.68S	69.77W	100	4.5b		
EIDC	VI	08 18 04 59.9	32.7S	69.8W	91	4.1b		
GUC	VI	08 18 05 01.8	32.70S	70.17W	109	4.6D		
NEIC		Felt I=II MM at Santiago, Chile.						
ISC	**VI**	**10 16 20 44.7**±.92	**33.0S**±.13	**68.95W**±.085	**33**±11		**14**	**0-4**
GUC	VI	10 16 20 44.7	33.10S	69.01W	15	4.3D	**¶97vi1546**	
ISC	**VI**	**12 23 57 38.6**±.50	**33.09S**±.060	**68.00W**±.059	**10**	**3.8b**	**29**	**1-90**
NEIC	VI	12 23 57 37.9	32.90S	68.01W	10		**¶97vi1907**	
GUC	VI	12 23 57 39.2	33.16S	68.06W	11	4.4D		
EIDC	VI	12 23 57 40.6	33.2S	67.3W	0	4.0L,3.7b		
NEIC		Less reliable solution.						
ISC	**VI**	**15 04 15 49**±4.6	**32.1S**±.29	**69.3W**±.20	**186**±49		**15**	**1-3**
NEIC	VI	15 04 15 52.0	32.29S	69.42W	170		**¶97vi2237**	
GUC	VI	15 04 15 54.3	32.33S	69.69W	165	3.9D		
NEIC		Poor solution.						
ISC	**VI**	**15 11 32 29.2**±.46	**32.55S**±.083	**68.79W**±.083	**135**±8.3	**3.4b**	**27**	**1-153**
NEIC	VI	15 11 32 28.7	32.57S	68.73W	132	3.7b	**¶97vi2286**	
EIDC	VI	15 11 32 29.5	32.7S	68.6W	120	3.2b		
GUC	VI	15 11 32 30.4	32.55S	69.17W	160	4.0D		
ISC	**VI**	**19 16 02 43.7**±.33	**32.67S**±.051	**69.80W**±.069	**111**±4.5	**4.5b**	**53**	**1-165**
NEIC	VI	19 16 02 44.0	32.77S	69.88W	118	5.1b	**¶97vi2938**	
MOS	VI	19 16 02 44.2	32.8S	69.8W	113	5.2b		
GUC	VI	19 16 02 44.4	32.63S	70.07W	115	4.7D		
EIDC	VI	19 16 02 45.5	32.7S	69.8W	119	4.5b		
NEIC		Felt I=IV MM at Los Andes; III MM at San Felipe and Santiago; II MM at Choapa and Valparaiso, Chile.						
ISC	**VI**	**19 21 19 48**±1.1	**33.0S**±.12	**68.1W**±.11	**12**		**12**	**1-3**
GUC	VI	19 21 19 47.7	33.16S	68.07W	12	4.2D	**¶97vi2958**	
ISC	**VI**	**25 04 11 54**±1.5	**32.1S**±.25	**69.6W**±.37	**149**		**12**	**1-3**
NEIC	VI	25 04 11 53.4	32.08S	69.57W	150		**¶97vi3843**	
GUC	VI	25 04 11 56.6	32.32S	69.74W	149	3.0D		
NEIC		Poor solution.						

(140) San Luis Province, Argentina.

ISC	**II**	**24 11 58 22**±6.5	**33.2S**±.27	**67.0W**±.75	**250**		**13**	**2-4**
NEIC	II	24 11 58 22.8	33.14S	67.10W	250		**¶97ii3471**	
GUC	II	24 11 58 26.8	33.09S	67.93W	280	3.6D		
NEIC		Poor solution.						

SEISMIC REGION 9.
EXTREME SOUTH AMERICA.

(143) Off coast of Southern Chile.

ISC	**III**	**06 04 33 26.4**±.74	**41.5S**±.13	**75.3W**±.14	**33**	**4.2b**,3.5s	**16**	**4-89**
EIDC	III	06 04 33 22.8	41.6S	75.4W	0	4.3b,3.5s	**¶97iii1193**	
NEIC	III	06 04 33 26.2	41.49S	75.27W	33	4.2b		
NEIC		Less reliable solution.						
ISC	**III**	**19 12 00 48**±8.6	**45.0S**±.17	**76.8W**±.32	**17**±59	**4.2b,4.2s**	**14**	**6-153**
NEIC	III	19 12 00 50.3	45.02S	76.66W	33	4.6b	**¶97iii3699**	
EIDC	III	19 12 00 54.7	44.9S	76.6W	56	4.2s,3.9b		
NEIC		Less reliable solution.						
ISC	**IV**	**22 17 51 39.4**±.51	**45.76S**±.075	**75.2W**±.16	**33**	**4.2b**	**41**	**6-165**
EIDC	IV	22 17 51 33.0	45.8S	76.3W	0	4.2b,3.9L	**¶97iv3800**	
NEIC	IV	22 17 51 36.2	45.83S	76.00W	33	4.7b		
MOS	IV	22 17 51 39.9	46.0S	75.8W	33	5.0b		
NEIC		Less reliable solution.						
ISC	**VI**	**01 02 32 02**±4.1	**44.3S**±.53	**75.6W**±.52	**33**	**4.0b**,4.0s	**7**	**5-122**
EIDC	VI	01 02 31 57.5	44.4S	75.9W	0	4.1b,4.0s	**¶97vi0014**	
ISC	**VI**	**09 07 39 18**±1.2	**43.4S**±.23	**75.7W**±.17	**33**	**4.4b**	**12**	**5-87**
EIDC	VI	09 07 39 13.9	43.5S	75.8W	0	4.4b,4.0L	**¶97vi1352**	
NEIC	VI	09 07 39 17.8	43.45S	75.63W	33	4.5b		
NEIC		Less reliable solution.						
ISC	**VI**	**11 04 30 14.3**±.87	**44.0S**±.15	**78.1W**±.20	**33**	**4.0b,4.0s**	**13**	**6-83**
EIDC	VI	11 04 30 10.5	44.1S	78.2W	0	3.9b,4.0s	**¶97vi1614**	
NEIC	VI	11 04 30 13.2	44.17S	78.06W	33	4.3b,3.9s		
NEIC		Less reliable solution.						

(144) Near coast of Southern Chile.

ISC	**I**	**03 20 19 35**±1.3	**52.3S**±.16	**71.5W**±.59	**33**	**4.3b**	**19**	**12-150**
EIDC	I	03 20 19 30.9	52.5S	71.3W	0	4.4b,3.7L	**¶97i0423**	
NEIC	I	03 20 19 34.2	52.31S	71.64W	33			
NEIC		Poor solution.						
ISC	**I**	**04 08 11 32**±7.2	**52.4S**±.29	**71.2W**±.53	**61**±59	**4.0b**	**21**	**12-150**
NEIC	I	04 08 11 28.1	52.54S	71.35W	33		**¶97i0499**	
EIDC	I	04 08 11 34.4	52.5S	71.0W	72	3.8b,3.5L		
NEIC		Poor solution.						
ISC	**IV**	**21 22 41 25.0**±.53	**49.07S**±.054	**75.6W**±.19	**33**	**4.9b,5.2s**	**74**	**9-170**
NEIC	IV	21 22 41 23.7	48.93S	75.78W	33	5.1b,5.2s	**¶97iv3595**	
EIDC	IV	21 22 41 24.3	49.0S	75.9W	26	4.6b,5.2s		
BJI	IV	21 22 41 24.7	48.90S	75.80W	33			
MOS	IV	21 22 41 27.1	49.3S	73.3W	33	5.4b		
NEIC		Less reliable solution.						
ISC	**V**	**11 07 37 18**±5.7	**45.6S**±.27	**72.6W**±.35	**53**±41	**4.3b**	**18**	**5-124**
EIDC	V	11 07 37 10.5	45.9S	73.0W	0	4.3b,4.0L	**¶97v1747**	
NEIC	V	11 07 37 14.7	45.75S	72.68W	33	4.6b		
NEIC		Less reliable solution.						

(145) Southern Chile-Argentina border region.

ISC	**V**	**14 13 41 03**±1.2	**37.97S**±.075	**71.3W**±.28	**65**±13	**4.0b**	**18**	**3-88**
GUC	V	14 13 40 49.5	38.26S	74.14W	55	4.3D	**¶97v2457**	
EIDC	V	14 13 40 57.3	37.8S	71.5W	0	4.1b,3.7L		
NEIC	V	14 13 41 01.9	37.95S	71.47W	48	3.7b		
NEIC		Less reliable solution.						

(146) Argentina.

ISC	**II**	**05 02 48 24.9**±.86	**37.56S**±.081	**69.7W**±.20	**192**±7.8	**3.6b**	**30**	**3-146**
NEIC	II	05 02 48 25.7	37.59S	70.75W	196	3.6b	**¶97ii0628**	
GUC	II	05 02 48 26.7	37.11S	70.79W	268	3.8D		
EIDC	II	05 02 48 26.9	37.7S	70.0W	205	3.0b		
NEIC		Less reliable solution.						

SEISMIC REGION 10.
SOUTHERN ANTILLES.

(147) Tierra del Fuego.

ISC	**IV**	**26 23 46 58**±2.0	**52.2S**±.25	**70.9W**±.53	**33**	**4.2b**,3.5s	**10**	**28-145**
EIDC	IV	26 23 46 51.2	52.5S	71.8W	0	4.3b,3.6s	**¶97iv4626**	
NEIC	IV	26 23 46 54.1	52.39S	71.69W	33	4.3b		
NEIC		Poor solution.						

(150) Scotia Sea.

ISC	**I**	**02 09 47 03**±1.1	**60.9S**±.20	**50.8W**±.41	**10**	**4.2b**,3.3s	**10**	**24-144**
NEIC	I	02 09 47 02.0	60.94S	50.83W	10	4.0b	**¶97i0183**	
EIDC	I	02 09 47 02.1	61.0S	51.0W	0	4.1b,3.4s		
NEIC		Poor solution.						
EIDC	**I**	**02 09 49 31.6**	**61.3S**	**46.2W**	**0**	4.2b	**46-146**	
							¶97i0186	
ISC	**I**	**05 11 25 49.7**±.77	**60.8S**±.11	**32.6W**±.33	**10**	**4.8b**	**27**	**14-163**
NEIC	I	05 11 25 49.9	60.69S	32.79W	10	4.6b	**¶97i0660**	
EIDC	I	05 11 25 49.9	60.8S	32.8W	0	4.4b		
NEIC		Poor solution.						
ISC	**VI**	**07 15 49 27**±1.0	**59.8S**±.20	**31.2W**±.45	**33**	**4.1b**,3.5s	**10**	**38-151**
EIDC	VI	07 15 49 26.0	59.9S	31.3W	19	4.1b,3.6s	**¶97vi1114**	
NEIC	VI	07 15 49 26.7	59.82S	31.09W	33			
NEIC		Poor solution.						

(153) South Sandwich Islands region.

ISC	**I**	**03 13 39 53.8**±.69	**56.2S**±.13	**25.6W**±.32	**33**	**4.3b**	**17**	**38-151**
NEIC	I	03 13 39 53.5	56.20S	25.61W	33		**¶97i0383**	
EIDC	I	03 13 39 56.1	56.2S	25.7W	36	4.1b		
NEIC		Less reliable solution.						
ISC	**I**	**04 07 28 30**±1.4	**57.5S**±.24	**25.4W**±.46	**33**	**4.1b**	**8**	**33-152**
NEIC	I	04 07 28 28.7	57.40S	25.36W	33		**¶97i0495**	
EIDC	I	04 07 28 46.4	57.5S	25.6W	174	3.6b		
ISC		Poorly determined						
NEIC		Poor solution.						
EIDC	**I**	**06 18 29 26.3**	**56.6S**	**27.0W**	**70**	**4.2b**	**46-151**	
							¶97i0820	
EIDC	**I**	**10 11 04 26.7**	**56.5S**	**27.8W**	**410**	3.9b	**92-159**	
							¶97i1351	
ISC	**I**	**13 00 01 22.4**±.61	**56.3S**±.12	**24.3W**±.27	**45**±.7*	**4.6b**	**39**	**38-157**
BJI	I	13 00 01 22.1	56.30S	24.30W	45		**¶97i1754**	
NEIC	I	13 00 01 22.1	56.27S	24.34W	45	4.9b		
EIDC	I	13 00 01 23.7	56.6S	24.6W	40	4.4b		
NEIC		Less reliable solution.						
ISC	**I**	**16 23 34 54**±4.1	**58.2S**±.16	**25.9W**±.46	**203**±41	**4.3b**	**28**	**15-153**
EIDC	I	16 23 34 30.7	58.4S	25.2W	0	4.8b	**¶97i2375**	
NEIC	I	16 23 34 34.1	58.37S	25.75W	33	4.7b		
NEIC		Poor solution.						
ISC	**I**	**20 08 14 22**±1.1	**57.3S**±.29	**24.5W**±.28	**33**	**4.3b**	**12**	**34-158**
EIDC	I	20 08 14 18.4	57.3S	24.4W	0	4.4b	**¶97i2961**	
NEIC	I	20 08 14 21.3	57.30S	24.47W	33			
NEIC		Poor solution.						
ISC	**I**	**21 02 28 25**±1.4	**55.7S**±.30	**26.3W**±.52	**44**	**3.9b**	**7**	**51-150**
EIDC	I	21 02 28 26.7	55.8S	26.5W	44	3.8b	**¶97i3123**	
ISC		Poorly determined						
ISC	**I**	**24 18 22 23.5**±.72	**59.9S**±.14	**26.6W**±.32	**100**	**4.1b**	**13**	**37-153**
NEIC	I	24 18 22 23.1	59.94S	26.65W	100	3.7b	**¶97i3676**	
EIDC	I	24 18 22 25.7	60.0S	26.5W	110	3.9b		
NEIC		Less reliable solution.						
ISC	**I**	**26 02 19 15**±4.3	**56.0S**±.74	**27.6W**±.41	**100**	**4.2b**	**16**	**48-150**
EIDC	I	26 02 19 00.8	56.8S	27.5W	0	4.2b	**¶97i3878**	
NEIC	I	26 02 19 13.5	56.32S	27.69W	100	4.4b		
NEIC		Poor solution.						
ISC	**I**	**26 04 19 07**±4.8	**59.2S**±.17	**26.3W**±.38	**112**±45	**4.1b**	**13**	**14-152**
NEIC	I	26 04 19 04.2	59.13S	26.48W	87	4.2b	**¶97i3885**	
EIDC	I	26 04 19 05.8	59.3S	26.5W	87	3.9b		
NEIC		Less reliable solution.						
ISC	**I**	**27 10 32 13.8**±.60	**56.0S**±.12	**26.6W**±.24	**33**	**4.4b**,4.3s	**21**	**40-151**
EIDC	I	27 10 32 10.4	56.0S	26.7W	0	4.5b,4.2s	**¶97i4076**	
NEIC	I	27 10 32 13.3	55.98S	26.61W	33	4.9b		
NEIC		Less reliable solution.						
ISC	**II**	**01 02 50 19.5**±.85	**57.3S**±.16	**25.4W**±.34	**61**	**4.4b**	**21**	**45-158**
NEIC	II	01 02 50 15.8	57.35S	25.44W	33	4.7b	**¶97ii0012**	
EIDC	II	01 02 50 21.3	57.3S	25.6W	61	4.2b		
NEIC		Less reliable solution.						
ISC	**II**	**01 10 11 37.6**±.57	**57.9S**±.11	**25.6W**±.23	**54**	**4.6b**	**31**	**33-159**
NEIC	II	01 10 11 37.3	57.91S	25.54W	54	4.4b	**¶97ii0058**	
EIDC	II	01 10 11 39.3	58.0S	25.5W	55	4.3b		
NEIC		Less reliable solution.						
EIDC	**II**	**06 00 55 24.3**	**59.3S**	**24.7W**	**0**	4.0b	**43-153**	
							¶97ii0774	
NEIC	**II**	**10 13 31 38.7**	**56.11S**	**28.82W**	**10**	4.5b	**36-149**	
EIDC	II	10 13 31 39.0	56.2S	28.6W	0	4.4b	**¶97ii1471**	
NEIC		Poor solution.						

ISC	**II**	**11 00 25 55**±1.3	**59.3S**±.26	**26.2W**±.44	**33**	**4.2b**	**12**	**37-153**
EIDC	II	11 00 25 51.9	59.2S	26.0W	0	4.2b		**¶97ii1558**
NEIC	II	11 00 25 54.8	59.27S	26.22W	33			
NEIC	Poor solution.							
ISC	**II**	**14 22 27 39.1**±.77	**60.7S**±.17	**24.9W**±.25	**33**	**4.3b**,4.3s	**17**	**34-154**
EIDC	II	14 22 27 36.4	60.7S	24.9W	0	4.3b,4.3s		**¶97ii2126**
NEIC	II	14 22 27 38.9	60.68S	24.95W	33	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**14 23 43 44**±2.4	**56.45S**±.052	**27.5W**±.11	**144**±22	**5.2b**	**182**	**17-169**
BJI	II	14 23 43 43.3	56.40S	27.40W	143			**¶97ii2136**
NEIC	II	14 23 43 43.3	56.37S	27.40W	143	5.4b		
MOS	II	14 23 43 44.4	56.6S	27.6W	146	5.6b		
EIDC	II	14 23 43 46.2	56.4S	27.4W	155	5.1b,4.4s		
HRVD	II	14 23 43 48.8±.4	56.51S±.05	26.91W±.07	142±1.7			
NEIC	Mw5.4(GS), Mw5.4(HRV).							
NEIC	Moment tensor solution: s8, scale 10^{17}Nm; M_{rr}1.46; $M_{\theta\theta}$−0.01; $M_{\phi\phi}$−1.44; $M_{r\theta}$0.04; $M_{r\phi}$0.49; $M_{\theta\phi}$0.24. Depth 142km; Principal axes: T 1.54,Plg80°,Azm286°; N 0.02,Plg4°, Azm172°; P −1.56,Plg9°,Azm81°. Best double couple: $M_0$1.5×10^{17}Nm; NP1:ϕ_S166°,δ36°, λ83°. NP2:ϕ_S355°,δ54°,λ95°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c29; Half duration: 1$\hat{s}$2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.12±.05; $M_{\theta\theta}$−0.33±.09; $M_{\phi\phi}$−0.79±.08; $M_{r\theta}$0.17±.05; $M_{r\phi}$0.65±.05; $M_{\theta\phi}$0.30±.08. Principal Axes: T 1.36,Plg70°,Azm296°; N −0.29, Plg13°,Azm165°; P −1.07,Plg14°,Azm71°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S143°,δ33°,λ65°. NP2:ϕ_S352°,δ61°,λ105°.							
ISC	**II**	**21 14 55 34.2**±.74	**55.4S**±.15	**26.4W**±.22	**33**	**4.2b,4.2s**	**14**	**32-150**
EIDC	II	21 14 55 30.9	55.4S	26.4W	0	4.2b,4.2s		**¶97ii3088**
NEIC	II	21 14 55 33.8	55.36S	26.45W	33			
NEIC	Less reliable solution.							
ISC	**II**	**25 08 28 59**±1.2	**55.5S**±.23	**26.4W**±.55	**33**	**4.0b**	**8**	**47-150**
EIDC	II	25 08 28 55.4	55.5S	26.3W	0	4.1b		**¶97ii3600**
ISC	Poorly determined							
ISC	**II**	**26 13 54 14**±1.1	**55.8S**±.19	**26.4W**±.40	**33**	**4.2b**	**9**	**37-150**
EIDC	II	26 13 54 11.0	55.8S	26.4W	0	4.2b		**¶97ii3798**
NEIC	II	26 13 54 14.0	55.75S	26.42W	33			
NEIC	Single network solution.							
ISC	**II**	**27 07 09 34**±3.2	**59.61S**±.078	**26.4W**±.20	**34**±29	**4.7b,4.6s**	**61**	**13-160**
MOS	II	27 07 09 32.2	59.6S	26.2W	10	5.0b		**¶97ii3917**
NEIC	II	27 07 09 33.2	59.61S	26.47W	33	4.8b		
BJI	II	27 07 09 33.6	59.70S	26.28W	38			
EIDC	II	27 07 09 43.7	59.6S	26.6W	110	4.4b,4.6s		
ISC	**III**	**03 19 23 32.0**±.77	**56.1S**±.16	**25.4W**±.19	**33**	**4.5b**,5.4s	**27**	**33-151**
EIDC	III	03 19 23 28.4	56.0S	25.3W	0	4.4b		**¶97iii0670**
BJI	III	03 19 23 31.7	56.10S	25.40W	33			
NEIC	III	03 19 23 31.7	56.10S	25.37W	33	4.8b		
NEIC	Less reliable solution.							
ISC	**III**	**07 12 45 46.0**±.68	**57.4S**±.12	**25.6W**±.37	**33**	**4.5b**	**27**	**33-158**
NEIC	III	07 12 45 45.5	57.38S	25.61W	33	4.8b		**¶97iii1516**
EIDC	III	07 12 45 51.3	57.5S	26.0W	66	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**07 21 58 55**±1.1	**58.7S**±.18	**25.3W**±.37	**33**	**4.1b**	**14**	**34-153**
EIDC	III	07 21 58 51.4	58.8S	25.2W	0	4.1b		**¶97iii1614**
NEIC	III	07 21 58 54.6	58.75S	25.35W	33			
NEIC	Poor solution.							
ISC	**III**	**09 19 42 50**±1.1	**55.7S**±.20	**27.8W**±.46	**33**	**4.2b**	**13**	**36-159**
NEIC	III	09 19 42 49.1	55.67S	27.73W	33	4.8b		**¶97iii2072**
EIDC	III	09 19 43 01.5	55.8S	28.2W	118	3.9b		
NEIC	Poor solution.							
ISC	**III**	**11 20 10 33.0**±.89	**56.3S**±.14	**25.6W**±.38	**33**	**4.3b**	**9**	**34-151**
NEIC	III	11 20 10 32.8	56.29S	25.57W	33	4.8b		**¶97iii2439**
EIDC	III	11 20 10 38.0	56.3S	25.6W	62	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**13 06 06 15**±9.2	**58.69S**±.089	**25.1W**±.21	**14**±55	**4.7b**,5.2s	**52**	**14-159**
EIDC	III	13 06 06 13.3	58.7S	25.2W	0	4.7b		**¶97iii2654**
NEIC	III	13 06 06 16.5	58.67S	25.14W	33	4.9b,5.2s		
BJI	III	13 06 06 19.5	58.70S	25.10W	33			
MOS	III	13 06 06 20.1	58.9S	25.5W	33	4.9b		
ISC	**III**	**15 04 36 50.4**±.68	**58.0S**±.13	**25.4W**±.33	**33**	**4.3b**	**18**	**33-158**
EIDC	III	15 04 36 46.3	58.2S	25.3W	0	4.3b		**¶97iii2999**
NEIC	III	15 04 36 50.6	57.97S	25.41W	33	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**20 10 24 33**±1.2	**56.0S**±.12	**27.3W**±.80	**150**	**4.5b**	**18**	**34-150**
NEIC	III	20 10 24 32.2	55.90S	27.65W	150	4.5b		**¶97iii3885**
EIDC	III	20 10 24 42.6	56.1S	27.3W	223	4.2b		
NEIC	Less reliable solution.							
EIDC	**III**	**21 03 28 04.0**	**57.5S**	**26.1W**	**0**	3.7b		**45-152**
								¶97iii3992
ISC	**III**	**22 13 54 26.9**±.41	**58.70S**±.073	**25.2W**±.24	**33**	**4.9b,4.5s**	**84**	**14-159**
BJI	III	22 13 54 26.6	58.70S	25.00W	33			**¶97iii4275**
NEIC	III	22 13 54 26.6	58.66S	24.99W	33	5.0b		
MOS	III	22 13 54 27.5	58.7S	24.4W	33	5.2b		
EIDC	III	22 13 54 32.3	58.7S	25.2W	68	4.6b,4.4s		
HRVD	III	22 13 54 34.3±.8	58.66S	24.99W	15			
NEIC	Mw5.3(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c14; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.67±.57; $M_{\theta\theta}$0.78±.82; $M_{\phi\phi}$−4.45±.56; $M_{r\theta}$3.10±1.39; $M_{r\phi}$6.95±1.51; $M_{\theta\phi}$0.70±.75. Principal Axes: T 8.81,Plg55°,Azm308°; N −0.28,Plg15°,Azm196°; P −8.54,Plg31°,Azm97°. Best double couple: $M_0$8.7×10^{16}Nm, NP1: ϕ_S149°,δ20°,λ41°. NP2:ϕ_S19°,δ77°,λ105°.							
ISC	**III**	**22 13 57 06**±1.2	**58.2S**±.22	**25.8W**±.63	**33**	**4.5b**,4.1s	**16**	**33-152**
EIDC	III	22 13 57 00.9	57.7S	24.9W	0	4.6b,4.1s		**¶97iii4276**
NEIC	III	22 13 57 04.7	58.27S	25.55W	33			
NEIC	Poor solution.							
ISC	**III**	**22 16 43 01**±6.6	**56.08S**±.089	**26.7W**±.23	**18**±49	**4.6b,4.1s**	**39**	**17-151**
BJI	III	22 16 43 02.5	56.00S	26.70W	33			**¶97iii4294**
NEIC	III	22 16 43 02.5	56.05S	26.75W	33	5.0b		
MOS	III	22 16 43 04.6	56.2S	27.2W	33	5.0b		
EIDC	III	22 16 43 11.1	56.1S	26.8W	94	4.4b,4.0s		
NEIC	Less reliable solution.							
ISC	**III**	**23 13 04 46.1**±.55	**59.50S**±.088	**26.0W**±.25	**33**	**4.6b,3.9s**	**35**	**13-159**
NEIC	III	23 13 04 45.1	59.62S	25.81W	33	4.4b		**¶97iii4444**
BJI	III	23 13 04 46.1	59.60S	25.80W	33			
EIDC	III	23 13 04 52.4	59.6S	26.0W	79	4.2b,4.0s		
NEIC	Less reliable solution.							
ISC	**III**	**26 17 27 37.6**±.56	**58.1S**±.11	**26.1W**±.22	**124**	**4.4b**	**25**	**32-152**
EIDC	III	26 17 27 39.2	58.1S	26.1W	124	4.1b,3.4s		**¶97iii5044**
NEIC	III	26 17 27 40.4	58.13S	26.03W	150	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**27 23 48 03**±3.5	**55.53S**±.066	**27.8W**±.10	**58**±32	**4.9b,4.4s**	**93**	**17-159**
BJI	III	27 23 47 59.6	55.50S	27.70W	33			**¶97iii5333**
NEIC	III	27 23 47 59.6	55.51S	27.68W	33	5.0b,4.7s		
EIDC	III	27 23 48 02.1	55.6S	27.7W	41	4.8b,4.4s		
MOS	III	27 23 48 05.0	56.0S	26.3W	33	5.3b		
ISC	**IV**	**02 03 04 42**±3.5	**58.28S**±.079	**25.5W**±.23	**36**±32	**4.9b,3.8s**	**52**	**14-156**
NEIC	IV	02 03 04 40.8	58.26S	25.46W	33	4.9b		**¶97iv0182**
EIDC	IV	02 03 04 41.1	58.3S	25.4W	25	3.7s,4.6b		
BJI	IV	02 03 04 41.8	58.30S	25.50W	33			
HRVD	IV	02 03 04 46.8±.1	58.69S±.02	25.57W±.01	51±1.0			
NEIC	Mw5.0(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c11; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.64; $M_{\theta\theta}$0.91±1.08; $M_{\phi\phi}$−3.91±.60; $M_{r\theta}$0.08±1.18; $M_{r\phi}$1.03±1.18; $M_{\theta\phi}$1.07±.82. Principal Axes: T 3.18,Plg79°,Azm304°; N 1.09, Plg8°,Azm169°; P −4.27,Plg8°,Azm78°. Best double couple: $M_0$3.7×10^{16}Nm, NP1:ϕ_S159°, δ38°,λ77°. NP2:ϕ_S355°,δ53°,λ100°.							
ISC	**IV**	**04 02 35 45.4**±.48	**57.92S**±.085	**25.7W**±.22	**33**	**4.9b,4.0s**	**65**	**32-156**
BJI	IV	04 02 35 44.8	57.90S	25.60W	33			**¶97iv0530**
NEIC	IV	04 02 35 44.8	57.89S	25.60W	33	4.8b		
MOS	IV	04 02 35 48.4	58.2S	27.6W	33	5.1b		
EIDC	IV	04 02 35 51.2	57.9S	25.7W	74	4.5b,3.5s		
NEIC	Less reliable solution.							
ISC	**IV**	**05 18 13 45**±2.3	**57.92S**±.066	**25.6W**±.18	**31**±21	**5.1b,4.9s**	**106**	**15-159**
MOS	IV	05 18 13 43.8	57.7S	26.9W	33	5.4b		**¶97iv0824**
BJI	IV	05 18 13 44.4	57.90S	25.60W	33	5.8s		
NEIC	IV	05 18 13 44.4	57.86S	25.58W	33	5.1b,4.9s		
EIDC	IV	05 18 13 49.3	58.0S	25.8W	60	4.8b		
HRVD	IV	05 18 13 51.6±1.0	57.87S±.19	25.39W±.13	36±9.5			
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c22; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.87±.59; $M_{\theta\theta}$0.79±.75; $M_{\phi\phi}$−6.66±.68; $M_{r\theta}$1.09±2.96; $M_{r\phi}$3.33±2.78; $M_{\theta\phi}$0.94±.57. Principal Axes: T 6.97,Plg71°,Azm309°; N 0.57, Plg12°,Azm178°; P −7.54,Plg14°,Azm85°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S159°,δ33°,λ67°. NP2:ϕ_S6°,δ60°,λ104°.							
ISC	**IV**	**08 13 01 30.1**±.91	**57.9S**±.16	**25.6W**±.39	**33**	**4.3b**,3.4s	**19**	**33-152**
NEIC	IV	08 13 01 29.5	57.87S	25.59W	33			**¶97iv1335**
EIDC	IV	08 13 01 34.8	57.8S	25.6W	61	4.1b,3.4s		
NEIC	Less reliable solution.							
NEIC	**IV**	**09 05 48 41.6**	**59.15S**	**27.23W**	**100**	4.6b		**14-152**
EIDC	IV	09 05 48 30.8	59.0S	26.6W	0	4.0b		**¶97iv1464**
NEIC	Poor solution.							
ISC	**IV**	**11 01 11 10**±5.4	**57.90S**±.069	**25.4W**±.16	**97**±50	**4.9b**	**109**	**15-158**
BJI	IV	11 01 11 02.1	57.90S	25.40W	33			**¶97iv1774**
NEIC	IV	11 01 11 02.1	57.86S	25.44W	33	5.2b,4.8s		
MOS	IV	11 01 11 04.0	57.8S	25.6W	33	5.4b		
EIDC	IV	11 01 11 04.9	57.9S	25.4W	42	4.8b,4.2s		
HRVD	IV	11 01 11 08.7±.4	58.10S±.07	25.07W±.07	45±4.9			
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c32; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}6.19±.34; $M_{\theta\theta}$0.52±.61; $M_{\phi\phi}$−6.71±.46; $M_{r\theta}$0.97±.75; $M_{r\phi}$3.07±1.08; $M_{\theta\phi}$0.05±.45. Principal Axes: T 7.02,Plg75°,Azm304°; N 0.38, Plg8°,Azm183°; P −7.40,Plg13°,Azm91°. Best double couple: $M_0$7.2×10^{16}Nm, NP1:ϕ_S171°, δ33°,λ75°. NP2:ϕ_S8°,δ58°,λ99°.							
ISC	**IV**	**15 11 59 19.5**±.64	**59.8S**±.12	**26.7W**±.19	**100**	**4.4b**	**34**	**13-160**
NEIC	IV	15 11 59 20.1	59.79S	26.60W	100	4.5b		**¶97iv2598**
EIDC	IV	15 11 59 20.6	59.8S	26.6W	96	4.1b,3.8s		
NEIC	Less reliable solution.							
EIDC	**IV**	**17 17 45 16.9**	**56.0S**	**27.4W**	**0**	4.4b		**47-150**
								¶97iv2946
NEIC	**IV**	**27 16 59 00.1**	**55.77S**	**27.16W**	**33**			**37-150**
EIDC	IV	27 16 58 56.6	55.7S	26.8W	0	4.0b		**¶97iv4761**
NEIC	Poor solution.							
ISC	**V**	**07 16 25 39.5**±.58	**57.9S**±.10	**25.5W**±.23	**33**	**4.4b**,3.5s	**28**	**32-158**
NEIC	V	07 16 25 39.3	57.91S	25.43W	33	4.5b		**¶97v1124**
EIDC	V	07 16 25 45.3	57.9S	25.6W	68	4.1b,3.2s		
NEIC	Less reliable solution.							
NEIC	**V**	**09 14 53 01.2**	**60.18S**	**25.18W**	**33**			**13-154**
EIDC	V	09 14 52 58.1	60.2S	25.1W	0	4.0b,3.5s		**¶97v1439**
NEIC	Poor solution.							
ISC	**V**	**14 15 06 38.6**±.80	**59.1S**±.10	**25.6W**±.31	**33**	**4.3b**	**22**	**14-159**
EIDC	V	14 15 06 35.4	59.0S	25.8W	0	4.4b		**¶97v2466**
NEIC	V	14 15 06 38.3	59.11S	25.52W	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**18 15 08 50**±5.6	**57.9S**±.10	**25.4W**±.21	**21**±42	**4.4b,3.6s**	**30**	**15-158**
NEIC	V	18 15 08 51.5	57.92S	25.41W	33	4.5b		**¶97v3108**
EIDC	V	18 15 08 57.4	57.9S	25.5W	66	4.1b,3.6s		
ISC	**V**	**24 16 44 25.1**±.79	**55.6S**±.15	**28.6W**±.28	**33**	**4.3b**,3.4s	**10**	**36-149**
EIDC	V	24 16 44 21.9	55.6S	28.6W	0	4.3b,3.5s		**¶97v4143**
NEIC	V	24 16 44 24.9	55.57S	28.56W	33			
NEIC	Less reliable solution.							
ISC	**V**	**24 20 11 24**±1.2	**60.1S**±.24	**28.1W**±.36	**33**	**4.2b**	**14**	**39-152**
EIDC	V	24 20 11 16.9	60.8S	28.2W	0	4.3b		**¶97v4167**
NEIC	V	24 20 11 22.4	60.29S	28.16W	33	4.4b		
NEIC	Poor solution.							
ISC	**V**	**28 01 11 37**±3.1	**59.5S**±.14	**26.4W**±.27	**63**±30	**4.2b**	**19**	**13-153**
NEIC	V	28 01 11 38.3	59.50S	26.36W	79			**¶97v4634**
EIDC	V	28 01 11 44.3	59.5S	26.5W	113	3.9b		
NEIC	Less reliable solution.							
ISC	**V**	**29 00 12 33**±2.5	**55.77S**±.060	**27.1W**±.13	**57**±23	**5.1b,4.8s**	**145**	**17-169**
BJI	V	29 00 12 30.2	55.70S	26.80W	33	5.5s		**¶97v4788**
NEIC	V	29 00 12 30.2	55.65S	26.81W	33	5.2b,4.8s		
MOS	V	29 00 12 30.8	55.7S	26.9W	33	5.6b,4.8s		
EIDC	V	29 00 12 31.0	55.7S	26.9W	28	5.1b,4.5s		
HRVD	V	29 00 12 36.7±.3	55.55S±.04	27.07W±.06	32±2.7			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c57; Half duration: 1$\hat{s}$2. Moment tensor: Scale 10^{16}Nm; M_{rr}8.52±.39; $M_{\theta\theta}$−4.73±.48; $M_{\phi\phi}$−3.78±.49; $M_{r\theta}$−2.60±.91; $M_{r\phi}$6.78±1.00; $M_{\theta\phi}$7.37±.48. Principal Axes: T 11.6,Plg65°,Azm276°; N 2.1, Plg18°,Azm142°; P −13.6,Plg17°,Azm46°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S111°,δ32°,λ55°. NP2:ϕ_S331°,δ64°,λ110°.							
ISC	**VI**	**02 04 57 06**±2.6	**56.34S**±.069	**27.3W**±.16	**79**±24	**4.8b**	**81**	**17-159**
NEIC	VI	02 04 57 07.6	56.32S	27.39W	99	4.9b		**¶97vi0183**
BJI	VI	02 04 57 09.0	56.30S	27.40W	99			
EIDC	VI	02 04 57 10.0	56.4S	27.5W	104	4.5b,3.6s		
MOS	VI	02 04 57 13.8	56.3S	27.3W	154	4.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**02 21 24 39.0**±.16	**57.86S**±.035	**25.64W**±.079	**33**	**5.7b,5.8s**	**467**	**15-177**
BJI	VI	02 21 24 36.6	57.99S	24.83W	28	6.1s		**¶97vi0332**
NEIC	VI	02 21 24 38.4	57.78S	25.47W	33	5.9b,5.8s		
MOS	VI	02 21 24 39.5	57.8S	25.0W	33	6.3b,5.7s		
EIDC	VI	02 21 24 41.8	57.9S	25.6W	52	5.5b,5.6s		
HRVD	VI	02 21 24 45.6±.1	57.96S±.01	25.03W±.01	27			
NEIC	Mw6.1(GS), Me5.8(GS).							
NEIC	Mw 6.1 (HRV).							
NEIC	Radiated energy from the P−wave first−motion solution: 1.3±0.2×10^{13}Nm/11							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_s355°,δ60°,λ95°. NP2:ϕ_s165°,δ30°,λ81°. Principal axes: T Plg74°,Azm278°; P Plg15°,Azm81°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}9.50; $M_{\theta\theta}$−1.30; $M_{\phi\phi}$−8.20; $M_{r\theta}$−2.50; $M_{r\phi}$8.20; $M_{\theta\phi}$5.90. Depth 26km; Principal axes: T 12.7,Plg69°,Azm268°; N 1.8,Plg8°, Azm155°; P −14.5,Plg19°,Azm63°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_s139°,δ27°, λ71°. NP2:ϕ_s339°,δ65°,λ99°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c141; Mantle waves: s48,c87; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}1.33±.01; $M_{\theta\theta}$0.06±.01; $M_{\phi\phi}$−1.39±.01; $M_{r\theta}$0.04±.03; $M_{r\phi}$0.78±.03; $M_{\theta\phi}$0.43±.01. Principal Axes: T 1.55,Plg73°,Azm291°; N 0.14,Plg9°,Azm169°; P −1.69,Plg14°,Azm77°. Best double couple: $M_0$1.6×10^{18}Nm, NP1:ϕ_s154°,δ32°,λ73°. NP2:ϕ_s354°,δ60°,λ100°.						
ISC	**VI 03 05 02 52.3**±.69	**57.8S**±.11	**25.3W**±.31	**45**±2.6*	**4.0b**,3.6s	**15**	**15-152**
NEIC	VI 03 05 02 52.5	57.73S	25.34W	45			**¶97vi0389**
EIDC	VI 03 05 02 54.5	57.8S	25.3W	47	3.7b,3.7s		
NEIC	Single network solution.						
ISC	**VI 03 13 00 13**±4.1	**59.5S**±.19	**26.3W**±.38	**103**±37	**4.1b**	**19**	**14-153**
NEIC	VI 03 13 00 12.4	59.55S	26.31W	100			**¶97vi0462**
EIDC	VI 03 13 00 13.0	59.7S	26.3W	87	3.9b		
NEIC	Single network solution.						
ISC	**VI 03 22 32 10**±1.7	**56.0S**±.19	**27.4W**±.68	**150**	**4.1b**	**14**	**40-150**
NEIC	VI 03 22 32 15.9	56.11S	27.06W	200	3.9b		**¶97vi0526**
EIDC	VI 03 22 32 22.7	56.2S	26.9W	249	3.7b		
NEIC	Poor solution.						
ISC	**VI 11 20 42 37**±4.2	**57.6S**±.10	**25.2W**±.25	**38**±39	**4.5b,3.9s**	**41**	**15-156**
EIDC	VI 11 20 42 32.8	57.7S	25.2W	0	4.6b,3.6s		**¶97vi1748**
BJI	VI 11 20 42 35.8	57.60S	25.20W	33			
NEIC	VI 11 20 42 35.8	57.61S	25.21W	33	4.6b		
NEIC	Less reliable solution.						
ISC	**VI 12 07 27 18.8**±.96	**55.8S**±.14	**27.0W**±.47	**100**	**4.4b**	**14**	**34-151**
NEIC	VI 12 07 27 18.3	55.79S	27.01W	100	4.4b		**¶97vi1812**
EIDC	VI 12 07 27 21.2	55.9S	27.3W	108	4.2b,3.5s		
NEIC	Less reliable solution.						
ISC	**VI 14 16 18 37**±1.2	**57.5S**±.22	**26.9W**±.48	**284**	**3.9b**	**11**	**38-151**
EIDC	VI 14 16 18 38.5	57.4S	27.0W	284	3.8b		**¶97vi2146**
ISC	**VI 15 07 05 35.7**±.52	**55.92S**±.090	**27.1W**±.22	**100**	**4.5b**	**24**	**34-151**
NEIC	VI 15 07 05 35.5	55.91S	27.06W	100	4.5b		**¶97vi2256**
EIDC	VI 15 07 05 38.9	55.9S	27.2W	117	4.1b,3.8s		
NEIC	Less reliable solution.						
ISC	**VI 15 09 31 43**±3.1	**56.49S**±.094	**26.9W**±.25	**93**±31	**4.4b**	**31**	**16-151**
NEIC	VI 15 09 31 35.6	56.42S	26.95W	33	4.6b		**¶97vi2273**
EIDC	VI 15 09 31 46.1	56.6S	27.1W	110	4.1b,3.4s		
NEIC	Less reliable solution.						
ISC	**VI 15 13 01 11.0**±.32	**56.90S**±.059	**25.0W**±.14	**33**	**4.9b,4.9s**	**139**	**16-176**
EIDC	VI 15 13 01 07.2	56.9S	25.1W	0	4.8b,4.7s		**¶97vi2300**
BJI	VI 15 13 01 10.2	56.64S	25.36W	33	5.7s		
NEIC	VI 15 13 01 10.8	56.85S	24.96W	33	5.0b,4.9s		
MOS	VI 15 13 01 11.5	56.9S	25.0W	33	5.2b,4.7s		
HRVD	VI 15 13 01 14.5±.2	57.24S±.04	24.83W±.06	15			
NEIC	Mw5.4(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c68; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.95±.03; $M_{\theta\theta}$0.08±.04; $M_{\phi\phi}$−1.03±.04; $M_{r\theta}$−0.49±.09; $M_{r\phi}$0.92±.13; $M_{\theta\phi}$0.25±.03. Principal Axes: T 1.42,Plg65°,Azm229°; N 0.08, Plg9°,Azm340°; P −1.50,Plg23°,Azm74°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_s182°, δ24°,λ114°. NP2:ϕ_s336°,δ68°,λ80°.						
ISC	**VI 16 10 17 12**±3.9	**57.31S**±.090	**25.3W**±.18	**96**±38	**4.6b**	**38**	**15-158**
EIDC	VI 16 10 17 01.3	57.3S	25.4W	0	4.8b,3.7s		**¶97vi2442**
NEIC	VI 16 10 17 04.8	57.33S	25.23W	33	4.8b		
MOS	VI 16 10 17 04.9	57.3S	25.3W	33	5.0b		
BJI	VI 16 10 17 04.9	57.14S	25.81W	33			
NEIC	Less reliable solution.						
ISC	**VI 17 03 23 07.7**±.77	**56.9S**±.14	**24.9W**±.39	**33**	**4.3b**,4.0s	**18**	**16-152**
EIDC	VI 17 03 23 04.2	56.9S	24.9W	0	4.4b,3.9s		**¶97vi2544**
BJI	VI 17 03 23 07.6	56.70S	24.80W	33			
NEIC	VI 17 03 23 07.6	56.73S	24.78W	33			
NEIC	Poor solution.						
ISC	**VI 17 10 08 56**±2.4	**58.19S**±.080	**26.6W**±.19	**142**±25	**4.7b**	**42**	**15-159**
MOS	VI 17 10 08 56.1	58.2S	26.8W	141	5.1b		**¶97vi2596**
NEIC	VI 17 10 08 56.2	58.17S	26.66W	150	4.7b		
BJI	VI 17 10 08 57.2	58.20S	26.70W	150			
EIDC	VI 17 10 09 00.8	58.2S	26.8W	179	4.4b		
ISC	**VI 26 12 47 03.0**±.61	**57.6S**±.10	**24.6W**±.29	**33**	**4.3b,3.8s**	**25**	**15-158**
EIDC	VI 26 12 47 00.1	57.4S	24.6W	0	4.4b,3.8s		**¶97vi4142**
NEIC	VI 26 12 47 03.5	57.45S	24.74W	33	4.6b		
NEIC	Less reliable solution.						

(154) South Shetland Islands.

ISC	**II 13 11 57 39**±1.4	**60.6S**±.25	**52.5W**±.68	**10**	**4.0b**	**6**	**23-143**
EIDC	II 13 11 57 38.5	60.7S	52.6W	0	4.0b		**¶97ii1913**
NEIC	II 13 11 57 38.9	60.63S	52.57W	10			
ISC	Poorly determined						
NEIC	Poor solution.						
ISC	**II 19 20 03 51**±1.0	**61.7S**±.18	**55.3W**±.67	**33**	**4.2b**,4.0s	**8**	**23-143**
EIDC	II 19 20 03 45.7	61.7S	55.6W	0	4.2b,4.0s		**¶97ii2827**
NEIC	II 19 20 03 50.5	61.73S	55.85W	33	4.1b		
NEIC	Poor solution.						
EIDC	**IV 19 03 40 32.3**	**61.6S**	**55.9W**	**0**	**3.9b**		**23-143**
							¶97iv3147

(156) South-Western Atlantic Ocean.

ISC	**III 01 08 43 13.9**±.62	**58.9S**±.13	**16.8W**±.18	**10**	**4.6b**	**38**	**12-156**
EIDC	III 01 08 43 12.5	59.1S	16.7W	0	4.6b		**¶97iii0077**
NEIC	III 01 08 43 13.6	58.90S	16.76W	10	4.7b		
MOS	III 01 08 43 16.8	59.2S	17.1W	10	5.0b		
NEIC	Less reliable solution.						
ISC	**V 16 09 25 40.6**±.42	**59.95S**±.070	**18.6W**±.19	**10**	**4.6b,4.3s**	**52**	**12-159**
NEIC	V 16 09 25 40.3	59.98S	18.65W	10	4.9b		**¶97v2749**
EIDC	V 16 09 25 40.6	59.9S	18.5W	0	4.5b,4.2s		
MOS	V 16 09 25 41.3	59.9S	18.6W	10	5.0b		
BJI	V 16 09 25 43.3	59.90S	18.60W	10			
HRVD	V 16 09 25 43.7±.4	60.58S±.09	18.27W±.12	15			
NEIC	Mw5.2(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c26; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.05±.43; $M_{\theta\theta}$−0.02±.70; $M_{\phi\phi}$6.06±.41; $M_{r\theta}$4.61±1.26; $M_{r\phi}$2.57±1.89; $M_{\theta\phi}$−0.49±.37. Principal Axes: T 6.62,Plg13°,Azm275°; N 2.33,Plg26°,Azm12°; P −8.95,Plg61°,Azm160°. Best double couple: $M_0$7.8×10^{16}Nm, NP1: ϕ_s335°,δ39°,λ−133°. NP2:ϕ_s206°,δ63°,λ−61°.						

SEISMIC REGION 11. NEW ZEALAND REGION.

(158) Off west coast of North Island, N.Z.

ISC	**II 21 21 16 16**±1.9	**39.92S**±.089	**173.7E**±.14	**231**±21		**22**	**1-4**
WEL	II 21 21 16 21.0	39.94S	173.87E	188	3.9L		**¶97ii3127**
ISC	**IV 24 07 04 36**±1.6	**39.27S**±.051	**173.65E**±.094	**8**±11		**22**	**0-6**
WEL	IV 24 07 04 38.1	39.28S	173.77E	7	4.1L		**¶97iv4097**
WEL	Felt Oaonui−Okato district.						
ISC	**V 10 13 45 31**±2.2	**39.3S**±.10	**173.6E**±.17	**18**±15		**13**	**0-3**
WEL	V 10 13 45 32.6	39.37S	173.72E	18	3.7L		**¶97v1609**
ISC	**VI 11 06 38 15.4**±.95	**39.62S**±.097	**174.0E**±.14	**186**		**17**	**1-4**
WEL	VI 11 06 38 16.2	39.58S	174.06E	186	3.8L		**¶97vi1631**

(159) North Island, New Zealand.

ISC	**I 01 07 05 25.6**±.78	**37.5S**±.10	**176.7E**±.13	**239**		**23**	**0-7**
WEL	I 01 07 05 25.3	37.16S	176.96E	239	4.3L		**¶97i0036**
ISC	**I 01 22 46 15**±1.1	**37.1S**±.12	**176.7E**±.14	**236**		**16**	**1-7**
WEL	I 01 22 46 14.3	36.83S	176.97E	236	4.3L		**¶97i0133**
ISC	**I 02 10 29 01.3**±.76	**40.69S**±.054	**176.3E**±.11	**56**	**4.5b**	**39**	**1-152**
NEIC	I 02 10 29 01.0	40.11S	176.20E	33	4.3b		**¶97i0193**
EIDC	I 02 10 29 04.1	40.5S	175.9E	36	4.3b		
WEL	I 02 10 29 05.3	40.49S	176.04E	56	4.4L		
NEIC	Poor solution.						
WEL	Felt I=IV MM Marton to Waitarere Beach						
ISC	**I 03 02 31 04**±2.4	**38.4S**±.20	**175.7E**±.21	**222**±20		**20**	**0-8**
WEL	I 03 02 31 07.4	38.40S	175.91E	188	4.1L		**¶97i0301**
ISC	**I 03 03 58 02**±5.5	**37.4S**±.61	**176.9E**±.42	**155**		**6**	**1-7**
WEL	I 03 03 58 02.0	37.36S	176.79E	155	3.9L		**¶97i0314**
ISC	**I 04 02 57 48.6**±.79	**38.24S**±.068	**176.37E**±.062	**7**±8.7		**12**	**0-2**
WEL	I 04 02 57 48.9	38.20S	176.38E	5	4.0L		**¶97i0465**
WEL	Felt Okareka.						
ISC	**I 04 03 05 41.9**±.72	**38.23S**±.066	**176.39E**±.057	**6**±8.3		**12**	**0-2**
WEL	I 04 03 05 42.1	38.20S	176.40E	5	3.8L		**¶97i0466**
WEL	Felt Waimangu.						
ISC	**I 04 03 18 32.0**±.87	**38.25S**±.069	**176.40E**±.082	**8**±9.1		**10**	**0-2**
WEL	I 04 03 18 32.5	38.23S	176.39E	5	4.0L		**¶97i0467**
WEL	Felt from Lake Tarawera to Reporoa. This is the largest event of a swarm near Rerewhakaaitu.						
ISC	**I 04 03 32 55.2**±.78	**38.3S**±.11	**176.38E**±.061	**9**±10		**8**	**0-2**
WEL	I 04 03 32 55.0	38.26S	176.40E	5	3.7L		**¶97i0471**
ISC	**I 04 14 36 56**±1.9	**38.1S**±.11	**176.1E**±.17	**277**±19		**22**	**0-8**
WEL	I 04 14 36 59.9	38.13S	176.15E	240	4.5L		**¶97i0545**
ISC	**I 05 05 43 43**±2.5	**38.6S**±.32	**175.0E**±.39	**255**		**10**	**1-5**
WEL	I 05 05 43 44.2	38.65S	175.15E	255	3.8L		**¶97i0623**
ISC	**I 05 22 12 24**±7.3	**38.5S**±.72	**175.7E**±.76	**219**±56		**6**	**1-6**
WEL	I 05 22 12 28.3	38.66S	175.95E	183	3.8L		**¶97i0715**
ISC	Poorly determined						
ISC	**I 06 21 20 31**±2.2	**38.8S**±.17	**175.2E**±.19	**243**±19		**21**	**0-7**
WEL	I 06 21 20 34.7	38.78S	175.29E	214	4.3L		**¶97i0832**
ISC	**I 08 03 33 47**±4.1	**38.3S**±.26	**175.8E**±.26	**226**±33		**15**	**1-6**
WEL	I 08 03 33 48.6	38.31S	175.82E	216	3.9L		**¶97i1014**
ISC	**I 09 03 58 07**±2.5	**37.9S**±.13	**175.9E**±.20	**329**±24		**20**	**1-8**
WEL	I 09 03 58 11.6	37.90S	175.97E	290	4.2L		**¶97i1165**
ISC	**I 10 09 33 11**±5.5	**37.7S**±.36	**176.1E**±.48	**336**±64		**13**	**2-7**
WEL	I 10 09 33 14.6	37.77S	176.06E	299	3.9L		**¶97i1340**
WEL	Poor station coverage.						
ISC	**I 12 05 41 04**±1.3	**39.15S**±.098	**174.6E**±.14	**251**±14		**32**	**0-8**
WEL	I 12 05 41 09.2	39.08S	174.76E	209	4.5L		**¶97i1627**
ISC	**I 14 01 26 53**±4.2	**38.8S**±.27	**175.3E**±.42	**231**±34		**12**	**0-5**
WEL	I 14 01 26 57.1	38.94S	175.72E	206	3.7L		**¶97i1930**
ISC	**I 15 00 47 58.4**±.83	**38.1S**±.11	**176.7E**±.13	**153**		**17**	**0-6**
WEL	I 15 00 47 58.1	37.78S	176.54E	153	3.8L		**¶97i2076**
ISC	**I 16 00 19 37**±1.4	**38.8S**±.11	**175.8E**±.15	**140**±15		**22**	**0-5**
WEL	I 16 00 19 40.8	38.74S	175.95E	106	4.2L		**¶97i2227**
ISC	**I 16 07 03 14**±1.8	**38.8S**±.21	**175.0E**±.25	**228**		**13**	**1-5**
WEL	I 16 07 03 15.8	38.61S	175.53E	228	3.7L		**¶97i2268**
ISC	**I 17 00 19 34**±5.3	**38.6S**±.36	**175.1E**±.51	**248**±51		**10**	**0-5**
WEL	I 17 00 19 39.1	38.71S	175.21E	201	3.7L		**¶97i2380**
ISC	**I 17 05 03 37.4**±.88	**39.62S**±.089	**174.3E**±.16	**212**±14	4.4b	**21**	**1-25**
WEL	I 17 05 03 39.8	39.58S	174.13E	188	4.0L		**¶97i2402**
ISC	**I 17 12 27 05.7**±.89	**38.86S**±.052	**177.8E**±.11	**54**		**24**	**1-6**
WEL	I 17 12 27 09.3	38.57S	177.58E	54	4.0L		**¶97i2450**
ISC	**I 17 14 44 22.6**±.56	**38.59S**±.085	**176.2E**±.14	**162**		**19**	**0-6**
WEL	I 17 14 44 23.1	38.37S	176.17E	162	4.0L		**¶97i2470**
ISC	**I 18 23 35 14**±8.3	**39.7S**±.74	**176.8E**±.52	**27**±34		**8**	**0-5**
WEL	I 18 23 35 12.9	39.86S	176.85E	29	3.8L		**¶97i2738**
ISC	**I 19 15 12 13**±1.2	**38.19S**±.097	**177.8E**±.14	**107**		**27**	**0-9**
WEL	I 19 15 12 09.4	37.28S	177.62E	107	4.0L		**¶97i2859**
ISC	**I 20 16 46 11.6**±.68	**39.98S**±.041	**176.89E**±.094	**64**±7.6	**4.0b**	**44**	**1-152**
WEL	I 20 16 46 14.4	39.82S	176.76E	58	4.5L		**¶97i3044**
EIDC	I 20 16 46 15.2	39.5S	176.7E	56	3.8b		
WEL	Felt I=IV MM Mt Vernon,Waipukurau						
ISC	**I 20 17 14 06**±1.1	**38.3S**±.14	**177.6E**±.26	**128**		**12**	**0-5**
WEL	I 20 17 14 05.4	37.73S	177.08E	128	3.8L		**¶97i3050**
ISC	**I 22 03 36 02.8**±.60	**38.59S**±.081	**176.06E**±.099	**163**		**25**	**0-6**
WEL	I 22 03 36 03.0	38.38S	176.18E	163	4.2L		**¶97i3275**
ISC	**I 22 04 56 48**±3.2	**40.44S**±.094	**176.0E**±.21	**64**±59		**14**	**1-2**
WEL	I 22 04 56 48.6	40.42S	176.00E	52	3.9L		**¶97i3282**
ISC	**I 22 12 57 53**±1.5	**38.0S**±.44	**176.2E**±.23	**161**		**8**	**1-6**
WEL	I 22 12 57 53.5	38.04S	176.24E	161	3.7L		**¶97i3335**
ISC	**I 22 17 21 49.1**±.56	**37.85S**±.064	**176.05E**±.097	**196**		**35**	**0-8**
WEL	I 22 17 21 49.5	37.67S	176.37E	196	4.4L		**¶97i3356**
ISC	**I 24 08 55 00.3**±.57	**37.08S**±.069	**176.9E**±.11	**302**±5.0	**4.2b**	**58**	**1-150**
NEIC	I 24 08 54 59.2	36.91S	177.08E	300	4.2b		**¶97i3620**
WEL	I 24 08 55 00.9	36.81S	177.14E	280	5.0L		
EIDC	I 24 08 55 02.6	36.8S	177.1E	323	3.7b		
NEIC	Poor solution.						
ISC	**I 25 17 28 44.4**±.47	**38.35S**±.061	**176.21E**±.084	**156**		**32**	**0-6**
WEL	I 25 17 28 44.9	38.19S	176.32E	156	4.4L		**¶97i3835**
WEL	**I 26 22 30 54.8**	**38.60S**	**175.90E**	**218**	**3.7L**		**¶97i4008**
WEL	Very poor station coverage.						
ISC	**I 27 18 17 11**±2.3	**38.6S**±.12	**175.7E**±.14	**197**±21		**22**	**0-4**
WEL	I 27 18 17 16.1	38.54S	175.82E	154	4.0L		**¶97i4112**
ISC	**I 28 16 11 56.0**±.60	**38.68S**±.075	**175.7E**±.10	**152**		**27**	**0-7**
WEL	I 28 16 11 56.9	38.51S	175.86E	152	4.0L		**¶97i4223**

ISC	**I**	**30 04 10 18**±1.2	**38.1S**±.14	**176.3E**±.14	**156**		**15**	**1-5**	
WEL	I	30 04 10 18.6	37.96S	176.34E	156	3.8L			**¶97ii4439**
ISC	**I**	**30 08 23 55.5**±.39	**40.08S**±.042	**175.74E**±.072	**68**		**31**	**1-6**	
WEL	I	30 08 23 57.1	40.02S	175.73E	68	3.8L			**¶97ii4450**
ISC	**I**	**30 11 07 55.7**±.96	**38.0S**±.11	**176.5E**±.11	**154**		**21**	**1-6**	
WEL	I	30 11 07 55.6	37.69S	176.61E	154	3.8L			**¶97ii4475**
ISC	**I**	**30 23 10 24.8**±.73	**38.67S**±.090	**175.6E**±.15	**178**		**23**	**0-7**	
WEL	I	30 23 10 24.8	38.46S	175.94E	178	3.9L			**¶97ii4559**
ISC	**I**	**31 14 45 09.5**±.75	**38.60S**±.078	**176.3E**±.12	**134**		**21**	**1-8**	
WEL	I	31 14 45 09.4	38.27S	176.36E	134	4.0L			**¶97ii4640**
ISC	**II**	**04 05 13 54**±1.0	**40.04S**±.063	**176.9E**±.14	**74**±21		**23**	**1-5**	
WEL	II	04 05 13 56.7	39.99S	176.86E	45	4.2L			**¶97ii0466**
WEL	Felt Kairakau Beach and Waipukurau.								
ISC	**II**	**05 18 56 23.9**±.84	**40.05S**±.056	**176.94E**±.099	**69**±20		**25**	**1-5**	
WEL	II	05 18 56 26.0	40.00S	176.89E	38	3.8L			**¶97ii0736**
ISC	**II**	**06 04 00 03**±2.1	**39.5S**±.11	**174.2E**±.18	**239**±24		**19**	**1-4**	
WEL	II	06 04 00 07.9	39.56S	174.16E	190	3.8L			**¶97ii0792**
ISC	**II**	**06 18 55 49**±1.5	**38.70S**±.079	**177.9E**±.14	**47**±25		**15**	**0-3**	
WEL	II	06 18 55 50.0	38.64S	177.85E	28	3.9L			**¶97ii0891**
ISC	**II**	**07 23 03 59**±4.5	**37.6S**±.64	**176.7E**±.60	**260**		**4**	**1-3**	
WEL	II	07 23 03 58.4	37.48S	176.57E	260	3.9L			**¶97ii1054**
ISC	Poorly determined								
ISC	**II**	**08 19 37 19**±1.4	**39.58S**±.094	**174.1E**±.13	**237**±16		**26**	**0-7**	
WEL	II	08 19 37 23.9	39.68S	174.30E	194	4.3L			**¶97ii1192**
ISC	**II**	**08 20 06 33**±1.4	**39.43S**±.094	**174.3E**±.13	**254**±16		**28**	**0-7**	
WEL	II	08 20 06 38.4	39.50S	174.45E	212	4.1L			**¶97ii1198**
WEL	**II**	**09 05 31 29.6**	**37.40S**	**176.71E**	**182**	**3.7L**			**¶97ii1260**
ISC	**II**	**10 10 38 18**±1.5	**39.64S**±.072	**174.9E**±.12	**161**±18		**18**	**1-4**	
WEL	II	10 10 38 22.0	39.70S	174.94E	117	3.8L			**¶97ii1442**
ISC	**II**	**11 10 45 51.6**±.52	**38.71S**±.064	**175.86E**±.089	**130**		**29**	**0-7**	
WEL	II	11 10 45 52.5	38.54S	175.95E	130	4.3L			**¶97ii1619**
ISC	**II**	**11 17 22 00.3**±.55	**38.86S**±.052	**177.28E**±.062	**28**		**23**	**0-6**	
WEL	II	11 17 22 01.1	38.80S	177.30E	28	4.0L			**¶97ii1652**
ISC	**II**	**12 11 26 45.1**±.47	**38.58S**±.066	**175.96E**±.089	**159**		**34**	**0-8**	
WEL	II	12 11 26 45.8	38.42S	176.03E	159	4.6L			**¶97ii1749**
ISC	**II**	**14 23 21 52.4**±.67	**38.82S**±.042	**175.99E**±.044	**5**±6.2		**27**	**0-4**	
WEL	II	14 23 21 52.6	38.83S	175.95E	5	3.9L			**¶97ii2131**
WEL	Felt Taupo.								
ISC	**II**	**15 23 43 04.7**±.80	**37.9S**±.11	**176.6E**±.13	**227**		**26**	**0-6**	
WEL	II	15 23 43 04.0	37.65S	176.64E	227	4.4L			**¶97ii2312**
ISC	**II**	**17 00 28 34.1**±.94	**37.9S**±.13	**176.3E**±.14	**223**		**22**	**1-6**	
WEL	II	17 00 28 33.7	37.67S	176.42E	223	4.3L			**¶97ii2438**
ISC	**II**	**17 22 23 08**±1.4	**38.7S**±.11	**175.1E**±.12	**260**±14		**35**	**0-8**	
WEL	II	17 22 23 13.6	38.70S	175.26E	214	4.6L			**¶97ii2559**
ISC	**II**	**19 11 48 54**±2.6	**38.2S**±.25	**175.5E**±.23	**168**		**12**	**1-6**	
WEL	II	19 11 48 54.6	38.21S	175.63E	168	3.7L			**¶97ii2788**
ISC	**II**	**20 16 48 24.1**±.54	**40.99S**±.048	**175.03E**±.096	**69**±7.8	3.7b	**35**	**0-147**	
EIDC	II	20 16 48 20.9	40.5S	174.8E	0	3.7b			**¶97ii2954**
WEL	II	20 16 48 26.5	40.88S	175.03E	31	4.3L			
WEL	Felt Paraparaumu, Wellington and Hutt Valley								
ISC	**II**	**20 22 23 24**±2.8	**38.8S**±.16	**174.9E**±.17	**250**±27		**19**	**0-5**	
WEL	II	20 22 23 30.0	38.71S	175.17E	203	3.7L			**¶97ii2986**
ISC	**II**	**21 22 17 30**±1.4	**39.1S**±.10	**174.6E**±.13	**246**±14		**28**	**0-8**	
WEL	II	21 22 17 34.7	39.21S	174.74E	204	4.3L			**¶97ii3128**
ISC	**II**	**22 06 27 46.7**±.94	**39.19S**±.061	**175.69E**±.092	**130**±12		**29**	**0-7**	
WEL	II	22 06 27 50.2	39.16S	175.78E	94	4.0L			**¶97ii3178**
ISC	**II**	**24 02 36 54**±1.5	**37.7S**±.22	**176.8E**±.22	**240**		**18**	**1-7**	
WEL	II	24 02 36 52.7	37.30S	176.74E	240	4.2L			**¶97ii3410**
ISC	**II**	**24 10 49 56.5**±.44	**38.86S**±.062	**175.92E**±.099	**125**		**28**	**0-7**	
WEL	II	24 10 49 57.1	38.72S	175.89E	125	4.2L			**¶97ii3463**
WEL	**II**	**25 08 37 34.2**	**38.11S**	**176.92E**	**179**	**3.7L**			**¶97ii3602**
ISC	**II**	**26 00 30 59**±4.6	**38.4S**±.32	**175.9E**±.37	**200**±36		**16**	**0-6**	
WEL	II	26 00 31 02.9	38.30S	175.98E	163	3.8L			**¶97ii3716**
WEL	**II**	**26 06 34 29.6**	**37.22S**	**176.85E**	**247**	**3.8L**			**¶97ii3751**
ISC	**II**	**26 14 18 37.7**±.80	**38.4S**±.12	**176.2E**±.20	**213**		**17**	**1-6**	
WEL	II	26 14 18 37.8	38.16S	176.13E	213	3.9L			**¶97ii3801**
ISC	**II**	**28 22 46 19.7**±.85	**38.0S**±.13	**176.7E**±.16	**189**		**22**	**0-8**	
WEL	II	28 22 46 19.3	37.70S	176.64E	189	4.1L			**¶97ii4356**
ISC	**III**	**03 03 48 14**±2.7	**38.5S**±.24	**175.6E**±.29	**221**±23		**14**	**0-6**	
WEL	III	03 03 48 19.7	38.66S	175.97E	175	3.9L			**¶97iii0467**
ISC	**III**	**03 10 20 10.7**±.44	**39.75S**±.040	**175.00E**±.080	**33**		**22**	**1-5**	
WEL	III	03 10 20 11.6	39.74S	175.07E	33	3.9L			**¶97iii0552**
WEL	Felt I=IV MM Wanganui								
ISC	**III**	**03 17 27 33.5**±.67	**40.11S**±.034	**175.35E**±.088	**21**±9.3		**26**	**1-5**	
WEL	III	03 17 27 33.4	40.09S	175.27E	12	4.3L			**¶97iii0650**
WEL	Felt I=IV MM Wanganui to Marton								
ISC	**III**	**03 19 34 12**±4.4	**37.8S**±.38	**175.8E**±.42	**305**±33		**13**	**1-6**	
WEL	III	03 19 34 18.5	38.10S	176.19E	259	3.9L			**¶97iii0673**
ISC	**III**	**03 19 58 34**±3.6	**38.7S**±.24	**175.9E**±.32	**171**±30		**16**	**0-3**	
WEL	III	03 19 58 37.5	38.65S	176.03E	138	3.8L			**¶97iii0682**
ISC	**III**	**06 04 57 07**±1.1	**38.7S**±.23	**175.9E**±.25	**144**		**9**	**0-2**	
WEL	III	06 04 57 06.6	38.48S	175.85E	144	3.8L			**¶97iii1196**
ISC	**III**	**06 15 36 01.4**±.59	**39.37S**±.071	**174.3E**±.11	**185**		**32**	**0-7**	
WEL	III	06 15 36 03.5	39.42S	174.57E	185	4.6L			**¶97iii1303**
ISC	**III**	**06 20 07 31**±2.9	**39.2S**±.19	**174.7E**±.24	**204**±29		**13**	**1-4**	
WEL	III	06 20 07 34.0	39.34S	174.96E	189	3.9L			**¶97iii1344**
ISC	**III**	**06 22 37 43**±6.5	**37.8S**±.32	**176.7E**±.19	**171**±61		**8**	**1-7**	
WEL	III	06 22 37 47.8	37.72S	176.74E	127	4.0L			**¶97iii1370**
ISC	**III**	**08 08 08 59.0**±.95	**38.5S**±.11	**175.8E**±.16	**158**		**16**	**1-6**	
WEL	III	08 08 08 59.9	38.43S	176.06E	158	3.9L			**¶97iii1705**
ISC	**III**	**08 09 00 29.1**±.87	**39.54S**±.099	**174.2E**±.14	**198**		**18**	**0-4**	
WEL	III	08 09 00 30.4	39.57S	174.33E	198	3.7L			**¶97iii1719**
ISC	**III**	**08 12 53 34**±1.2	**37.4S**±.18	**176.6E**±.21	**335**		**26**	**1-9**	
WEL	III	08 12 53 34.1	37.27S	176.82E	335	4.5L			**¶97iii1750**
ISC	**III**	**09 06 00 58**±2.0	**39.1S**±.13	**175.7E**±.22	**115**±21		**21**	**0-5**	
WEL	III	09 06 01 00.7	39.08S	175.82E	95	3.7L			**¶97iii1915**
ISC	**III**	**10 08 49 40.2**±.42	**39.91S**±.042	**175.21E**±.089	**81**		**24**	**0-4**	
WEL	III	10 08 49 41.1	39.91S	175.23E	81	3.9L			**¶97iii2178**
WEL	Felt I=IV MM Marton								
ISC	**III**	**12 02 47 52**±1.3	**38.1S**±.14	**176.1E**±.26	**179**		**13**	**1-8**	
WEL	III	12 02 47 51.9	38.08S	176.38E	179	4.0L			**¶97iii2470**
ISC	**III**	**12 07 08 04.5**±.76	**39.29S**±.099	**174.7E**±.16	**207**		**20**	**0-5**	
WEL	III	12 07 08 05.3	39.26S	174.84E	207	4.2L			**¶97iii2491**
ISC	**III**	**13 06 52 42**±3.6	**39.1S**±.17	**174.9E**±.22	**248**±34		**18**	**1-5**	
WEL	III	13 06 52 48.1	39.26S	174.93E	203	3.9L			**¶97iii2660**
ISC	**III**	**14 07 33 34.0**±.68	**38.9S**±.12	**176.4E**±.18	**132**		**16**	**1-6**	
WEL	III	14 07 33 33.9	38.46S	176.11E	132	3.7L			**¶97iii2837**
ISC	**III**	**14 16 23 45**±1.1	**37.9S**±.15	**176.5E**±.19	**191**		**12**	**1-4**	
WEL	III	14 16 23 45.6	37.83S	176.54E	191	3.7L			**¶97iii2915**
ISC	**III**	**15 19 12 49.7**±.60	**38.53S**±.074	**175.9E**±.12	**164**		**21**	**1-8**	
WEL	III	15 19 12 50.7	38.39S	176.01E	164	4.8L			**¶97iii3092**
ISC	**III**	**25 18 54 30.8**±.57	**38.41S**±.070	**175.84E**±.099	**180**		**32**	**0-8**	
WEL	III	25 18 54 31.7	38.28S	176.11E	180	4.2L			**¶97iii4771**
ISC	**III**	**26 11 36 39**±5.6	**37.6S**±.37	**176.3E**±.45	**246**±58		**13**	**1-7**	
WEL	III	26 11 36 44.1	37.79S	176.46E	204	3.8L			**¶97iii4944**
ISC	**III**	**26 16 23 31**±1.0	**39.50S**±.070	**174.3E**±.11	**239**±12		**37**	**0-8**	
WEL	III	26 16 23 35.4	39.56S	174.45E	198	4.5L			**¶97iii5028**
ISC	**III**	**26 16 30 30.3**±.63	**38.70S**±.079	**175.9E**±.12	**134**		**22**	**0-6**	
WEL	III	26 16 30 30.1	38.42S	175.90E	134	3.8L			**¶97iii5032**
ISC	**III**	**27 07 48 02**±1.2	**38.2S**±.13	**176.1E**±.19	**162**		**16**	**1-6**	
WEL	III	27 07 48 01.0	37.93S	176.53E	162	3.8L			**¶97iii5167**
ISC	**III**	**28 02 59 16**±1.7	**38.5S**±.10	**175.6E**±.11	**196**±16		**31**	**0-6**	
WEL	III	28 02 59 20.9	38.57S	175.77E	152	4.5L			**¶97iii5350**
ISC	**III**	**30 15 13 24.6**±.90	**38.1S**±.17	**177.7E**±.12	**33**		**9**	**0-7**	
WEL	III	30 15 13 25.0	38.03S	177.66E	33	3.7L			**¶97iii5769**
ISC	**IV**	**01 07 01 22.8**±.86	**39.22S**±.059	**176.62E**±.096	**78**±16		**23**	**1-5**	
WEL	IV	01 07 01 24.7	39.16S	176.57E	57	3.7L			**¶97iv0030**
ISC	**IV**	**01 22 06 51**±1.8	**38.7S**±.11	**175.7E**±.13	**199**±18		**26**	**0-6**	
WEL	IV	01 22 06 55.3	38.67S	175.75E	158	4.1L			**¶97iv0148**
ISC	**IV**	**02 05 59 59.2**±.66	**39.83S**±.038	**174.69E**±.068	**26**±8.3		**25**	**0-5**	
WEL	IV	02 05 59 59.6	39.83S	174.72E	18	4.1L			**¶97iv0195**
WEL	Felt Wanganui.								
ISC	**IV**	**02 12 13 54**±1.8	**38.0S**±.26	**176.0E**±.32	**285**		**15**	**1-6**	
WEL	IV	02 12 13 54.5	37.89S	176.31E	285	3.8L			**¶97iv0247**
ISC	**IV**	**03 03 13 51.1**±.63	**38.67S**±.053	**176.87E**±.088	**73**±8.8	3.8b	**29**	**0-151**	
EIDC	IV	03 03 13 40.3	38.5S	177.4E	0	3.8b,3.5L			**¶97iv0372**
WEL	IV	03 03 13 53.2	38.54S	176.74E	58	4.3L			
ISC	**IV**	**03 09 30 02**±1.3	**38.19S**±.078	**177.2E**±.10	**99**±16		**22**	**0-6**	
WEL	IV	03 09 30 04.9	38.07S	177.09E	66	4.0L			**¶97iv0403**
WEL	**IV**	**04 01 34 07.9**	**39.50S**	**174.42E**	**147**	**3.9L**			**¶97iv0523**
ISC	**IV**	**08 21 43 52.3**±.88	**40.16S**±.050	**176.8E**±.12	**33**		**24**	**1-5**	
WEL	IV	08 21 43 54.0	40.11S	176.76E	33	4.0L			**¶97iv1413**
ISC	**IV**	**09 11 31 32.6**±.67	**38.33S**±.080	**176.6E**±.15	**149**		**23**	**0-6**	
WEL	IV	09 11 31 32.8	38.09S	176.60E	149	4.1L			**¶97iv1508**
ISC	**IV**	**09 16 27 04.2**±.40	**38.98S**±.047	**176.02E**±.094	**102**		**29**	**0-5**	
WEL	IV	09 16 27 05.3	38.86S	175.99E	102	4.1L			**¶97iv1551**
ISC	**IV**	**11 16 29 09.9**±.74	**38.7S**±.10	**175.7E**±.16	**148**		**21**	**0-7**	
WEL	IV	11 16 29 11.3	38.59S	175.89E	148	4.0L			**¶97iv1935**
WEL	**IV**	**11 19 03 40.5**	**37.57S**	**176.70E**	**237**	**3.7L**			**¶97iv1956**
ISC	**IV**	**11 19 46 35**±1.4	**38.42S**±.081	**175.5E**±.16	**321**±15		**36**	**0-9**	
WEL	IV	11 19 46 39.0	38.42S	175.64E	287	5.2L			**¶97iv1967**
ISC	**IV**	**12 15 30 31**±2.4	**37.4S**±.33	**176.7E**±.32	**265**		**16**	**1-7**	
WEL	IV	12 15 30 30.1	37.10S	176.74E	265	3.8L			**¶97iv2087**
ISC	**IV**	**13 23 14 52**±4.9	**38.3S**±.33	**176.0E**±.37	**201**±39		**17**	**1-6**	
WEL	IV	13 23 14 56.3	38.23S	176.03E	157	3.9L			**¶97iv2323**
ISC	**IV**	**14 19 44 24**±1.6	**38.4S**±.10	**175.9E**±.14	**207**±16		**27**	**0-6**	
WEL	IV	14 19 44 29.0	38.40S	176.06E	161	4.4L			**¶97iv2503**
ISC	**IV**	**15 05 18 03**±2.6	**38.3S**±.18	**175.6E**±.18	**247**±22		**21**	**1-8**	
WEL	IV	15 05 18 09.5	38.25S	175.72E	182	4.0L			**¶97iv2564**
ISC	**IV**	**16 07 50 42.2**±.77	**38.36S**±.093	**176.4E**±.23	**151**		**19**	**0-6**	
WEL	IV	16 07 50 42.2	38.15S	176.45E	151	4.0L			**¶97iv2720**
ISC	**IV**	**17 05 28 10**±3.8	**38.1S**±.24	**176.1E**±.27	**192**±33		**14**	**1-6**	
WEL	IV	17 05 28 14.5	38.17S	176.20E	147	3.7L			**¶97iv2859**
ISC	**IV**	**17 11 56 24**±7.1	**38.4S**±.47	**176.0E**±.55	**195**±55		**15**	**1-6**	
WEL	IV	17 11 56 27.5	38.23S	176.02E	157	3.7L			**¶97iv2892**
ISC	**IV**	**22 12 41 01.3**±.96	**38.19S**±.097	**177.8E**±.13	**102**		**21**	**0-7**	
WEL	IV	22 12 40 59.4	37.37S	177.47E	102	4.1L			**¶97iv3731**
ISC	**IV**	**24 14 10 15.7**±.66	**38.39S**±.077	**176.2E**±.15	**154**		**17**	**1-6**	
WEL	IV	24 14 10 16.4	38.21S	176.19E	154	3.8L			**¶97iv4158**
ISC	**IV**	**25 09 58 52**±1.7	**38.9S**±.22	**176.1E**±.62	**132**		**8**	**0-5**	
WEL	IV	25 09 58 52.1	38.72S	175.87E	132	3.9L			**¶97iv4318**
ISC	**IV**	**25 12 03 09.3**±.55	**37.95S**±.064	**176.2E**±.11	**195**		**28**	**0-8**	
WEL	IV	25 12 03 10.0	37.83S	176.44E	195	4.4L			**¶97iv4339**
ISC	**IV**	**25 14 40 25.4**±.71	**38.90S**±.096	**175.3E**±.16	**208**		**20**	**0-5**	
WEL	IV	25 14 40 26.0	38.59S	175.25E	208	4.0L			**¶97iv4361**
ISC	**IV**	**26 13 22 52**±1.2	**38.1S**±.14	**176.2E**±.22	**182**		**12**	**1-6**	
WEL	IV	26 13 22 52.9	38.04S	176.25E	182	3.8L			**¶97iv4557**
ISC	**IV**	**27 18 57 03**±2.4	**38.5S**±.17	**177.7E**±.17	**81**±42		**10**	**1-6**	
WEL	IV	27 18 57 05.8	38.40S	177.63E	65	3.9L			**¶97iv4779**
ISC	**IV**	**28 02 22 31**±1.6	**39.4S**±.12	**174.2E**±.16	**278**±17		**22**	**0-6**	
WEL	IV	28 02 22 35.9	39.53S	174.37E	235	4.1L			**¶97iv4829**
ISC	**IV**	**30 11 51 10**±1.2	**37.6S**±.17	**176.4E**±.17	**307**		**27**	**1-9**	
WEL	IV	30 11 51 07.4	37.11S	176.45E	307	4.2L			**¶97iv5215**
ISC	**V**	**01 06 35 55**±1.1	**38.46S**±.070	**175.9E**±.10	**206**±12	2.9b	**42**	**0-152**	
WEL	V	01 06 36 00.2	38.39S	176.00E	159	4.6L			**¶97v0050**
EIDC	V	01 06 36 01.4	39.2S	176.4E	212	2.8b			
ISC	**V**	**02 16 44 54.0**±.35	**39.35S**±.036	**176.38E**±.065	**72**±4.0	**4.6b**	**66**	**0-152**	
EIDC	V	02 16 44 53.6	39.3S	176.3E	52	4.2b,3.9L			**¶97v0298**
NEIC	V	02 16 44 53.9	39.44S	176.43E	74	4.8b			
WEL	V	02 16 44 55.1	39.25S	176.36E	73	4.9L			
NEIC	Poor solution.								
WEL	Felt I=IV MM Taupo, Ohakune and Napier								
ISC	**V**	**03 22 50 34**±2.2	**38.4S**±.23	**176.0E**±.30	**150**		**8**	**0-6**	
WEL	V	03 22 50 34.4	38.36S	176.12E	150	3.9L			**¶97v0510**
ISC	**V**	**04 11 44 05.6**±.86	**37.18S**±.068	**176.8E**±.14	**247**±7.8	**3.8b**	**40**	**0-151**	
EIDC	V	04 11 43 29.7	37.4S	178.6E	0	3.9b			**¶97v0632**
NEIC	V	04 11 43 45.5	36.08S	178.04E	100	4.6b			
WEL	V	04 11 44 06.7	36.89S	177.09E	224	4.5L			
NEIC	Poor solution.								
ISC	**V**	**08 13 18 59.0**±.47	**38.59S**±.060	**175.80E**±.089	**161**		**34**	**0-9**	
WEL	V	08 13 18 59.7	38.45S	175.96E	161	4.8L			**¶97v1247**
ISC	**V**	**08 18 16 07**±1.5	**38.91S**±.086	**175.0E**±.12	**255**±15		**31**	**0-7**	
WEL	V	08 18 16 11.4	38.92S	175.08E	217	4.5L			**¶97v1290**
ISC	**V**	**10 10 48 00**±1.0	**38.0S**±.15	**176.3E**±.14	**191**		**15**	**1-6**	
WEL	V	10 10 48 00.0	37.92S	176.31E	191	3.9L			**¶97v1580**
ISC	**V**	**10 11 38 10**±1.0	**37.3S**±.13	**176.6E**±.15	**277**		**21**	**1-7**	
WEL	V	10 11 38 09.2	37.01S	176.83E	277	4.5L			**¶97v1592**
ISC	**V**	**12 10 14 22.2**±.45	**38.80S**±.038	**175.97E**±.046	**5**		**21**	**0-4**	
WEL	V	12 10 14 22.3	38.80S	175.94E	5	4.0L			**¶97v1937**
WEL	Felt I=IV MM Waihora Rd and Taupo,								
ISC	**V**	**12 16 30 11.1**±.65	**38.71S**±.079	**175.9E**±.13	**142**		**20**	**0-6**	
WEL	V	12 16 30 11.5	38.53S	176.00E	142	4.1L			**¶97v2009**
ISC	**V**	**13 04 39 28**±1.3	**38.3S**±.22	**176.2E**±.25	**159**		**9**	**1-6**	
WEL	V	13 04 39 27.3	38.15S	176.12E	159	4.0L			**¶97v2129**
ISC	**V**	**13 11 18 44.9**±.59	**38.14S**±.058	**177.33E**±.070	**49**		**25**	**0-7**	
WEL	V	13 11 18 45.4	38.14S	177.33E	49	4.6L			**¶97v2234**
WEL	Felt Ohope.								
WEL	**V**	**15 01 35 49.5**	**39.23S**	**175.31E**	**223**	**3.7L**			**¶97v2537**
ISC	**V**	**15 20 10 13.8**±.48	**38.91S**±.042	**176.27E**±.074	**108**±5.9	**3.9b**	**46**	**0-152**	
NEIC	V	15 20 10 09.9	38.53S	175.96E	33				**¶97v2667**
EIDC	V	15 20 10 11.2	38.5S	176.0E	34	3.8b,4.6L			
WEL	V	15 20 10 16.4	38.78S	176.28E	88	4.9L			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		Less reliable solution.						
ISC	**V**	**18 07 53 36.8**±.51	**38.75S**±.074	**176.13E**±.082	**93**		**19**	**0-6**
WEL	V	18 07 53 37.3	38.72S	176.12E	93	3.7L		¶97v3051
ISC	**V**	**18 23 06 48**±1.2	**38.81S**±.069	**175.79E**±.095	**170**±13		**30**	**0-7**
WEL	V	18 23 06 52.1	38.75S	175.86E	130	4.3L		¶97v3158
ISC	**V**	**19 00 14 55**±3.7	**37.3S**±.42	**176.8E**±.39	**235**		**10**	**1-7**
WEL	V	19 00 14 55.3	37.17S	176.84E	235	3.8L		¶97v3168
ISC	**V**	**19 19 29 27**±2.8	**39.5S**±.28	**174.2E**±.39	**234**±28		**12**	**1-6**
WEL	V	19 19 29 28.9	39.56S	174.03E	206	4.0L		¶97v3296
ISC	**V**	**21 01 52 52**±1.8	**39.1S**±.12	**175.2E**±.13	**174**±18		**16**	**0-4**
WEL	V	21 01 52 56.2	39.16S	175.22E	139	3.8L		¶97v3494
ISC	**V**	**21 04 50 01**±4.0	**38.7S**±.46	**175.5E**±.55	**184**		**4**	**0-4**
WEL	V	21 04 50 01.9	38.70S	175.56E	184	3.8L		¶97v3514
ISC		Poorly determined						
ISC	**V**	**23 00 24 48.0**±.63	**37.31S**±.059	**176.9E**±.13	**274**±5.4	**4.4b**	**63**	**0-155**
NEIC	V	23 00 24 42.0	36.77S	177.02E	200	4.7b		¶97v3850
EIDC	V	23 00 24 47.4	37.5S	177.4E	281	4.2b		
WEL	V	23 00 24 49.6	37.09S	177.15E	246	5.1L		
NEIC		Less reliable solution.						
ISC	**V**	**23 04 48 59.6**±.44	**38.62S**±.058	**175.61E**±.087	**166**		**38**	**0-9**
WEL	V	23 04 49 00.7	38.50S	175.77E	166	4.9L		¶97v3889
ISC	**V**	**25 13 22 11.0**±.77	**39.1S**±.10	**174.8E**±.14	**217**		**23**	**1-5**
WEL	V	25 13 22 12.1	39.13S	174.93E	217	3.8L		¶97v4277
ISC	**V**	**26 00 57 49**±6.8	**37.4S**±.77	**176.2E**±.72	**212**		**6**	**1-6**
WEL	V	26 00 57 53.0	37.80S	176.69E	212	3.7L		¶97v4349
ISC	**V**	**26 22 20 01**±1.0	**38.6S**±.19	**175.9E**±.26	**150**		**11**	**0-6**
WEL	V	26 22 20 01.2	38.40S	175.91E	150	3.8L		¶97v4473
ISC	**V**	**27 03 14 01.6**±.35	**37.74S**±.041	**176.32E**±.076	**213**±3.2	**4.8b**	**111**	**0-178**
NEIC	V	27 03 13 58.5	37.34S	176.73E	200	4.7b		¶97v4510
BJI	V	27 03 13 59.2	38.23S	176.04E	207	5.0b		
WEL	V	27 03 14 01.7	37.55S	176.53E	212	6.1L		
MOS	V	27 03 14 02.2	37.4S	176.5E	227	5.0b		
EIDC	V	27 03 14 04.7	37.3S	176.5E	240	4.6b		
NEIC		Less reliable solution.						
NEIC		Felt at Napier and Wellington.						
WEL		Felt East Cape to Wellington, maximum intensity I=IV MM						
ISC	**V**	**27 15 25 35.3**±.62	**38.07S**±.083	**176.3E**±.12	**209**		**31**	**0-8**
WEL	V	27 15 25 35.6	37.86S	176.41E	209	4.3L		¶97v4587
ISC	**V**	**29 11 13 08.2**±.87	**37.6S**±.10	**176.5E**±.16	**244**		**23**	**1-7**
WEL	V	29 11 13 07.9	37.26S	176.61E	244	4.2L		¶97v4861
ISC	**V**	**30 07 03 28**±3.2	**38.7S**±.17	**175.8E**±.28	**177**±30		**17**	**0-6**
WEL	V	30 07 03 29.9	38.65S	175.95E	161	3.8L		¶97v4992
ISC	**VI**	**02 01 22 19**±1.9	**38.4S**±.14	**177.0E**±.13	**85**±33		**6**	**0-2**
WEL	VI	02 01 22 22.2	38.37S	177.00E	51	3.8L		¶97vi0157
ISC	**VI**	**03 07 45 05**±1.3	**37.7S**±.17	**176.6E**±.21	**230**		**13**	**1-7**
WEL	VI	03 07 45 05.5	37.57S	176.71E	230	3.9L		¶97vi0402
ISC	**VI**	**04 15 47 19**±1.4	**38.90S**±.091	**175.3E**±.15	**150**±17		**22**	**0-5**
WEL	VI	04 15 47 22.2	38.92S	175.44E	122	3.7L		¶97vi0634
ISC	**VI**	**05 02 25 09**±3.1	**40.49S**±.081	**176.9E**±.35	**105**±24		**18**	**1-5**
WEL	VI	05 02 25 13.4	40.41S	176.78E	56	4.0L		¶97vi0698
WEL		Felt Napier.						
ISC	**VI**	**05 03 21 12.4**±.96	**39.2S**±.11	**174.4E**±.16	**197**		**18**	**1-7**
WEL	VI	05 03 21 13.2	39.14S	174.62E	197	3.9L		¶97vi0705
ISC	**VI**	**07 09 08 00**±1.1	**37.21S**±.075	**176.8E**±.17	**290**±8.8	3.7b	**37**	**0-150**
EIDC	VI	07 09 08 00.2	37.5S	177.3E	306	3.5b		¶97vi1073
WEL	VI	07 09 08 00.6	36.97S	176.95E	273	5.0L		
ISC	**VI**	**07 14 11 30**±1.2	**38.5S**±.28	**176.3E**±.36	**163**		**9**	**1-6**
WEL	VI	07 14 11 29.8	38.29S	176.12E	163	3.8L		¶97vi1106
ISC	**VI**	**07 23 20 42.9**±.79	**40.12S**±.048	**176.4E**±.12	**126**±11	**4.0b**	**43**	**0-147**
EIDC	VI	07 23 20 41.6	39.8S	176.0E	0	4.1b		¶97vi1157
WEL	VI	07 23 20 46.7	40.06S	176.32E	80	4.8L		
WEL		Felt I=IV MM Patoka to Waitarere Beach						
ISC	**VI**	**09 14 24 28.7**±.83	**39.01S**±.053	**176.1E**±.10	**100**±12		**27**	**0-5**
WEL	VI	09 14 24 31.3	38.95S	176.10E	75	3.8L		¶97vi1407
WEL	**VI**	**09 18 53 33.0**	**38.14S**	**177.93E**	**60**	**4.0L**		¶97vi1433
ISC	**VI**	**09 19 19 23**±1.1	**38.0S**±.17	**176.7E**±.19	**142**		**8**	**1-3**
WEL	VI	09 19 19 23.4	37.97S	176.64E	142	3.7L		¶97vi1436
ISC	**VI**	**10 03 18 59**±1.8	**37.84S**±.097	**176.0E**±.18	**325**±17		**32**	**0-9**
WEL	VI	10 03 19 02.6	37.90S	176.14E	294	4.9L		¶97vi1471
ISC	**VI**	**11 09 20 14**±2.1	**38.6S**±.14	**175.8E**±.17	**177**±20		**20**	**0-6**
WEL	VI	11 09 20 18.0	38.54S	175.86E	138	3.7L		¶97vi1655
ISC	**VI**	**13 21 41 38.1**±.57	**39.11S**±.080	**174.7E**±.13	**213**		**29**	**0-8**
WEL	VI	13 21 41 39.5	39.04S	174.91E	213	4.5L		¶97vi2046
ISC	**VI**	**13 23 57 40**±3.1	**37.7S**±.35	**175.7E**±.37	**274**		**9**	**2-5**
WEL	VI	13 23 57 41.1	37.78S	175.87E	274	3.7L		¶97vi2058
ISC	**VI**	**14 04 37 36.4**±.75	**37.83S**±.091	**176.6E**±.13	**189**		**23**	**0-6**
WEL	VI	14 04 37 36.2	37.61S	176.68E	189	3.9L		¶97vi2088
ISC	**VI**	**14 13 05 44**±1.4	**37.85S**±.082	**176.4E**±.14	**252**±12		**37**	**0-10**
WEL	VI	14 13 05 48.9	37.84S	176.34E	207	5.0L		¶97vi2132
ISC	**VI**	**14 18 57 23.3**±.55	**38.38S**±.067	**176.3E**±.11	**160**		**27**	**0-6**
WEL	VI	14 18 57 23.8	38.20S	176.28E	160	4.3L		¶97vi2159
WEL	**VI**	**17 19 53 24.0**	**38.31S**	**176.98E**	**152**	**4.1L**		¶97vi2682
ISC	**VI**	**18 04 33 31.3**±.64	**39.14S**±.042	**175.41E**±.078	**14**±6.3		**18**	**0-4**
WEL	VI	18 04 33 31.6	39.15S	175.43E	11	4.2L		¶97vi2730
ISC	**VI**	**21 21 52 14**±3.3	**38.6S**±.18	**175.9E**±.30	**150**±34		**14**	**0-3**
WEL	VI	21 21 52 17.0	38.55S	175.98E	126	3.7L		¶97vi3278
ISC	**VI**	**22 08 15 47**±1.1	**38.80S**±.079	**177.0E**±.14	**71**±25		**18**	**1-3**
WEL	VI	22 08 15 49.2	38.65S	176.82E	60	3.8L		¶97vi3348
ISC	**VI**	**22 21 52 58**±2.3	**38.1S**±.12	**176.1E**±.17	**227**±22		**21**	**0-6**
WEL	VI	22 21 53 02.4	38.13S	176.16E	187	4.2L		¶97vi3446
ISC	**VI**	**26 11 14 58**±5.2	**37.1S**±.57	**176.6E**±.51	**231**		**10**	**1-7**
WEL	VI	26 11 15 00.5	37.29S	176.80E	231	3.8L		¶97vi4128
ISC	**VI**	**28 20 56 11.6**±.62	**38.65S**±.094	**176.2E**±.14	**168**		**22**	**0-8**
WEL	VI	28 20 56 12.5	38.42S	175.94E	168	4.0L		¶97vi4524
ISC	**VI**	**29 08 49 27.3**±.78	**38.2S**±.11	**176.6E**±.15	**169**		**23**	**0-6**
WEL	VI	29 08 49 26.7	37.83S	176.47E	169	4.1L		¶97vi4594
ISC	**VI**	**29 20 51 14.7**±.98	**38.2S**±.16	**176.6E**±.25	**203**		**17**	**0-6**
WEL	VI	29 20 51 14.4	37.90S	176.54E	203	3.9L		¶97vi4663

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WEL	**I**	**07 04 47 10.7**	**37.71S**	**179.13E**	**33**	**3.8L**		¶97i0879
WEL	**I**	**07 04 54 29.3**	**37.65S**	**178.88E**	**82**	**3.9L**		¶97i0880
ISC	**I**	**08 01 27 58**±2.7	**35.5S**±.12	**178.9E**±.32	**33**	**3.7b**	**14**	**2-42**
EIDC	I	08 01 27 52.4	36.3S	179.2E	0	3.8b		¶97i1002
ISC	**I**	**08 20 17 47**±3.7	**36.4S**±.29	**177.2E**±.16	**12**		**7**	**1-3**
WEL	I	08 20 17 45.8	36.19S	177.24E	12	4.5L		¶97i1110
ISC	**I**	**08 20 20 30**±5.5	**36.3S**±.47	**177.2E**±.20	**33**		**6**	**1-3**
WEL	I	08 20 20 28.4	36.08S	177.26E	33	4.5L		¶97i1111
ISC	**I**	**08 22 25 22**±3.7	**37.0S**±.53	**177.1E**±.40	**340**		**11**	**1-8**
WEL	I	08 22 25 21.4	36.86S	177.08E	340	3.7L		¶97i1127
WEL	**I**	**09 00 04 49.4**	**36.26S**	**176.41E**	**12**	**4.3L**		¶97i1142
ISC	**I**	**09 13 06 03**±11	**37.0S**±.88	**177.8E**±.48	**12**		**4**	**1-2**
WEL	I	09 13 06 03.1	36.93S	177.81E	12	3.7L		¶97i1220
ISC		Poorly determined						
WEL	**I**	**10 20 36 57.5**	**36.99S**	**177.80E**	**245**	**4.3L**		¶97i1420
ISC	**I**	**12 06 47 09**±3.2	**38.0S**±.18	**179.5E**±.32	**22**	3.3b	**8**	**1-145**
EIDC	I	12 06 47 11.5	38.6S	178.7E	0	3.5b		¶97i1635
WEL	I	12 06 47 15.3	37.98S	179.03E	22	4.1L		
ISC	**I**	**12 09 44 25**±9.3	**38.0S**±.18	**179.1E**±.84	**23**		**6**	**1-7**
WEL	I	12 09 44 27.0	37.97S	179.02E	23	4.1L		¶97i1658
ISC	**I**	**14 21 31 00.2**±.72	**37.38S**±.065	**177.0E**±.15	**278**±5.6	**4.3b**	**52**	**0-150**
EIDC	I	14 21 30 26.3	36.5S	178.2E	0	4.6b		¶97i2061
NEIC	I	14 21 30 55.4	36.76S	176.84E	200	4.8b		
WEL	I	14 21 31 01.8	37.12S	177.08E	253	5.2L		
NEIC		Poor solution.						
ISC	**I**	**15 21 21 11**±1.9	**37.8S**±.49	**177.5E**±.48	**252**		**6**	**1-6**
WEL	I	15 21 21 03.9	36.64S	176.92E	252	3.8L		¶97i2212
ISC	**I**	**17 02 58 37**±3.3	**37.7S**±.46	**177.4E**±.34	**66**±48		**6**	**1-6**
WEL	I	17 02 58 36.6	37.69S	177.34E	76	3.8L		¶97i2396
WEL	**I**	**18 05 26 54.2**	**35.21S**	**178.19E**	**283**	**4.2L**		¶97i2605
ISC	**I**	**19 14 56 04**±1.1	**38.11S**±.056	**179.8E**±.13	**22**	**4.6b**	**97**	**1-168**
WEL	I	19 14 56 11.5	37.80S	179.20E	22	5.4L		¶97i2858
NEIC	I	19 14 56 19.8	37.87S	178.66E	100	4.6b		
EIDC	I	19 14 56 42.6	38.5S	178.0E	290	4.1b		
NEIC		Less reliable solution.						
ISC	**I**	**22 08 21 46**±9.8	**36.8S**±.97	**176.8E**±.97	**220**		**4**	**1-2**
WEL	I	22 08 21 47.2	36.87S	176.93E	220	3.9L		¶97i3297
ISC		Poorly determined						
WEL	**I**	**23 10 20 42.3**	**35.73S**	**178.52E**	**246**	**4.0L**		¶97i3485
WEL	**I**	**23 13 31 04.6**	**35.90S**	**178.13E**	**225**	**3.8L**		¶97i3502
ISC	**I**	**23 22 08 32**±1.1	**37.2S**±.13	**177.1E**±.19	**260**±11	3.4b	**24**	**1-150**
EIDC	I	23 22 08 00.3	36.9S	178.2E	0	4.0b		¶97i3555
WEL	I	23 22 08 34.8	36.98S	177.08E	217	4.3L		
EIDC	**I**	**23 22 40 18.8**	**35.1S**	**179.6E**	**0**	4.3b		**41-153**
								¶97i3559
ISC	**I**	**24 05 13 11**±4.8	**37.0S**±.38	**177.0E**±.24	**325**±30		**22**	**1-9**
WEL	I	24 05 13 19.6	37.23S	176.94E	255	4.3L		¶97i3600
WEL	**I**	**24 15 39 08.3**	**35.60S**	**177.89E**	**248**	**3.8L**		¶97i3661
WEL	**I**	**25 12 52 23.2**	**37.48S**	**179.84E**	**12**	**3.7L**		¶97i3815
WEL	**I**	**25 13 12 15.4**	**37.43S**	**179.89E**	**12**	**3.7L**		¶97i3818
ISC	**I**	**25 17 51 50**±4.6	**37.1S**±.58	**177.1E**±.43	**284**		**7**	**1-4**
WEL	I	25 17 51 48.3	36.90S	177.01E	284	3.7L		¶97i3838
ISC	**I**	**25 23 27 01**±3.4	**37.2S**±.34	**177.5E**±.24	**133**		**9**	**1-4**
WEL	I	25 23 26 59.5	37.03S	177.46E	133	3.7L		¶97i3855
WEL	**I**	**26 01 08 14.5**	**37.91S**	**179.21E**	**19**	**3.8L**		¶97i3866
ISC	**I**	**26 02 12 58**±6.6	**36.6S**±.64	**177.1E**±.35	**191**		**11**	**1-6**
WEL	I	26 02 13 00.7	36.76S	177.42E	191	3.8L		¶97i3874
ISC	**I**	**26 06 04 04**±3.2	**36.5S**±.19	**178.6E**±.27	**72**±20	4.1b	**24**	**1-42**
WEL	I	26 06 04 05.6	36.52S	178.60E	61	4.5L		¶97i3893
ISC	**I**	**26 15 31 45**±1.6	**37.6S**±.35	**177.1E**±.20	**151**		**6**	**1-7**
WEL	I	26 15 31 46.0	37.85S	177.12E	151	3.8L		¶97i3959
WEL	**I**	**27 06 25 05.1**	**39.94S**	**179.89E**	**12**	**3.9L**		¶97i4054
WEL	**I**	**29 09 51 29.5**	**36.11S**	**179.72E**	**12**	**3.7L**		¶97i4331
ISC	**I**	**31 07 08 41**±1.9	**38.8S**±.11	**178.3E**±.20	**98**±22		**19**	**0-6**
WEL	I	31 07 08 47.2	38.61S	177.95E	50	3.9L		¶97i4596
ISC	**II**	**01 16 30 05**±1.6	**36.1S**±.11	**177.8E**±.20	**191**	**3.9b**	**21**	**2-144**
EIDC	II	01 16 29 34.9	35.1S	179.6E	0	4.1b		¶97ii0103
WEL	II	01 16 30 01.9	35.79S	178.56E	191	4.2L		
ISC	**II**	**02 08 58 50.9**±.94	**37.14S**±.087	**177.9E**±.17	**200**±6.9	**4.2b**	**46**	**1-155**
NEIC	II	02 08 58 48.9	36.50S	177.62E	150	4.8b		¶97ii0201
WEL	II	02 08 58 49.8	36.64S	177.85E	166	4.8L		
EIDC	II	02 08 58 50.8	36.8S	177.9E	176	3.9b		
NEIC		Poor solution.						
WEL	**II**	**04 06 50 57.9**	**35.92S**	**177.82E**	**215**	**4.0L**		¶97ii0481
ISC	**II**	**05 00 54 16**±2.0	**37.5S**±.26	**177.2E**±.21	**155**		**7**	**1-6**
WEL	II	05 00 54 14.1	37.18S	177.25E	155	3.8L		¶97ii0613
ISC	**II**	**06 18 52 48**±1.7	**37.4S**±.21	**177.0E**±.17	**216**		**18**	**1-6**
WEL	II	06 18 52 46.5	37.05S	177.04E	216	3.8L		¶97ii0890
ISC	**II**	**08 13 08 00**±1.0	**37.27S**±.096	**177.4E**±.10	**111**	3.5b	**32**	**0-150**
EIDC	II	08 13 07 41.3	38.1S	178.3E	0	3.5b,4.3L		¶97ii1144
WEL	II	08 13 07 58.7	36.98S	177.58E	111	4.5L		
ISC	**II**	**08 21 44 54**±2.7	**36.7S**±.29	**178.2E**±.24	**234**		**19**	**1-8**
WEL	II	08 21 44 41.4	35.35S	178.36E	234	4.5L		¶97ii1211
ISC	**II**	**09 03 34 36**±6.4	**36.7S**±.69	**176.4E**±.35	**227**		**10**	**2-8**
WEL	II	09 03 34 39.8	36.93S	176.90E	227	3.9L		¶97ii1248
WEL	**II**	**09 05 49 02.2**	**35.29S**	**178.86E**	**246**	**4.2L**		¶97ii1263
ISC	**II**	**10 19 04 35**±1.9	**37.1S**±.24	**177.5E**±.17	**171**		**11**	**0-8**
WEL	II	10 19 04 34.3	36.94S	177.46E	171	4.2L		¶97ii1503
ISC	**II**	**12 12 27 49**±4.8	**37.5S**±.24	**177.9E**±.24	**114**±44		**12**	**0-4**
WEL	II	12 12 27 51.5	37.48S	177.75E	88	3.8L		¶97ii1755
WEL	**II**	**13 15 58 11.3**	**36.16S**	**177.64E**	**274**	**3.7L**		¶97ii1944
WEL	**II**	**16 15 02 00.5**	**35.41S**	**177.78E**	**233**	**3.7L**		¶97ii2384
ISC	**II**	**16 17 21 27**±2.5	**37.2S**±.20	**178.1E**±.16	**83**		**15**	**0-4**
WEL	II	16 17 21 24.0	36.84S	178.23E	83	3.9L		¶97ii2397
ISC	**II**	**17 13 16 17**±5.7	**37.2S**±.42	**177.3E**±.32	**262**±41		**15**	**1-7**
WEL	II	17 13 16 26.2	37.28S	177.10E	172	4.1L		¶97ii2497
WEL	**II**	**18 20 38 11.7**	**37.87S**	**179.34E**	**12**	**3.8L**		¶97ii2687
ISC	**II**	**21 20 27 56**±5.1	**36.5S**±.15	**179.6E**±.72	**33**	3.5b	**14**	**2-151**
EIDC	II	21 20 27 52.4	36.6S	179.7E	0	3.7b		¶97ii3119
WEL	II	21 20 27 56.4	36.58S	179.93E	33	4.0L		
WEL	**II**	**22 15 55 30.2**	**36.19S**	**177.59E**	**203**	**3.7L**		¶97ii3222
ISC	**II**	**24 00 58 22**±1.9	**37.4S**±.27	**177.5E**±.20	**160**		**6**	**1-4**
WEL	II	24 00 58 22.0	37.29S	177.50E	160	3.8L		¶97ii3395
WEL	**II**	**24 03 56 36.9**	**36.29S**	**178.70E**	**12**	**3.7L**		¶97ii3421
WEL	**II**	**25 18 36 14.7**	**37.38S**	**177.73E**	**93**	**3.8L**		¶97ii3672
WEL	**II**	**27 07 49 42.4**	**36.25S**	**177.79E**	**12**	**4.4L**		¶97ii3922
ISC	**II**	**27 08 34 16**±8.5	**36.4S**±.58	**177.7E**±.34	**12**		**4**	**1-2**
WEL	II	27 08 34 14.8	36.17S	177.68E	12	4.0L		¶97ii3927
ISC		Poorly determined						
WEL	**II**	**27 08 54 20.6**	**36.65S**	**177.89E**	**12**	**3.7L**		¶97ii3934
WEL	**II**	**27 09 15 38.0**	**36.50S**	**177.75E**	**12**	**3.9L**		¶97ii3936
ISC	**II**	**27 11 39 26**±8.0	**36.5S**±.55	**177.7E**±.32	**12**		**4**	**1-2**
WEL	II	27 11 39 21.5	36.10S	177.91E	12	4.3L		¶97ii3953
ISC		Poorly determined						
ISC	**II**	**27 14 12 15**±4.4	**36.8S**±.39	**177.6E**±.24	**56**±41	3.9b	**8**	**1-41**
WEL	II	27 14 12 09.1	36.36S	177.64E	12	4.4L		¶97ii3966
WEL	**II**	**27 15 26 53.8**	**36.37S**	**177.71E**	**12**	**3.9L**		¶97ii3978

WEL	**II**	**27 16 28 00.9**	**36.22S**	**177.55E**	**12**	**4.1L**	**¶97ii3984**	
ISC	**II**	**27 17 50 51**±1.5	**36.5S**±.11	**177.6E**±.19	**12**	**4.0b**	**11**	**1-41**
EIDC	II	27 17 50 20.8	37.8S	177.9W	0	4.1b	**¶97ii3990**	
WEL	II	27 17 50 50.7	36.31S	177.71E	12	4.6L		
ISC	**II**	**27 18 10 39**±7.2	**36.5S**±.57	**177.7E**±.47	**12**		**5**	**1-2**
WEL	II	27 18 10 37.9	36.26S	177.82E	12	4.0L	**¶97ii3994**	
ISC	Poorly determined							
WEL	**II**	**27 19 52 45.3**	**36.28S**	**177.76E**	**12**	**4.3L**	**¶97ii4002**	
ISC	**II**	**27 21 02 41**±1.9	**36.5S**±.16	**177.6E**±.25	**12**	3.5b	**7**	**1-113**
EIDC	II	27 21 01 49.3	35.2S	173.8W	19	3.6b	**¶97ii4007**	
WEL	II	27 21 02 39.7	36.26S	177.69E	12	4.4L		
ISC	**II**	**27 21 33 53**±7.8	**36.5S**±.53	**177.8E**±.31	**12**		**5**	**1-5**
WEL	II	27 21 33 52.3	36.33S	177.87E	12	4.4L	**¶97ii4017**	
WEL	**II**	**27 21 48 01.3**	**37.47S**	**179.15E**	**5**	**4.0L**	**¶97ii4024**	
WEL	**II**	**27 22 06 14.4**	**36.29S**	**177.67E**	**12**	**4.1L**	**¶97ii4035**	
ISC	**II**	**27 22 22 39**±4.9	**36.5S**±.33	**177.6E**±.33	**12**		**4**	**1-2**
WEL	II	27 22 22 37.2	36.30S	177.71E	12	4.3L	**¶97ii4041**	
ISC	Poorly determined							
ISC	**II**	**27 22 22 53**±4.5	**36.6S**±.31	**177.6E**±.32	**12**		**4**	**1-2**
WEL	II	27 22 22 51.1	36.34S	177.75E	12	4.4L	**¶97ii4042**	
ISC	Poorly determined							
WEL	**II**	**27 22 25 29.2**	**36.39S**	**177.71E**	**12**	**3.9L**	**¶97ii4043**	
WEL	**II**	**27 23 44 35.2**	**36.27S**	**177.83E**	**12**	**4.2L**	**¶97ii4063**	
WEL	**II**	**28 02 37 30.5**	**36.16S**	**177.61E**	**12**	**4.3L**	**¶97ii4109**	
WEL	**II**	**28 03 27 25.8**	**36.28S**	**177.64E**	**12**	**4.2L**	**¶97ii4119**	
WEL	**II**	**28 04 21 06.7**	**36.43S**	**177.77E**	**12**	**3.7L**	**¶97ii4127**	
WEL	**II**	**28 04 29 21.3**	**36.21S**	**177.47E**	**12**	**4.1L**	**¶97ii4128**	
WEL	**II**	**28 04 43 02.7**	**36.36S**	**177.67E**	**12**	**4.0L**	**¶97ii4129**	
ISC	**II**	**28 04 54 56**±7.0	**36.2S**±.46	**177.8E**±.39	**12**		**7**	**1-3**
WEL	II	28 04 54 58.9	36.36S	177.64E	12	4.3L	**¶97ii4131**	
WEL	**II**	**28 04 56 50.5**	**36.27S**	**177.40E**	**12**	**4.4L**	**¶97ii4132**	
WEL	**II**	**28 05 08 21.2**	**36.46S**	**177.90E**	**12**	**3.9L**	**¶97ii4135**	
ISC	**II**	**28 05 18 05**±5.5	**37.1S**±.43	**177.7E**±.12	**12**		**8**	**1-4**
WEL	II	28 05 17 54.8	36.34S	177.68E	12	4.1L	**¶97ii4136**	
WEL	**II**	**28 05 28 54.9**	**36.38S**	**177.78E**	**12**	**4.1L**	**¶97ii4139**	
WEL	**II**	**28 05 35 19.6**	**36.62S**	**177.81E**	**12**	**3.7L**	**¶97ii4142**	
WEL	**II**	**28 05 38 22.0**	**36.35S**	**177.49E**	**12**	**4.1L**	**¶97ii4144**	
WEL	**II**	**28 05 39 02.9**	**36.31S**	**177.89E**	**12**	**3.8L**	**¶97ii4145**	
WEL	**II**	**28 05 43 33.7**	**36.17S**	**177.89E**	**12**	**4.2L**	**¶97ii4148**	
WEL	**II**	**28 05 49 00.9**	**36.40S**	**177.69E**	**12**	**4.0L**	**¶97ii4149**	
WEL	**II**	**28 05 57 07.4**	**36.32S**	**177.87E**	**12**	**4.0L**	**¶97ii4151**	
WEL	**II**	**28 06 19 26.4**	**36.43S**	**177.76E**	**12**	**3.8L**	**¶97ii4155**	
WEL	**II**	**28 06 37 59.5**	**36.44S**	**178.09E**	**12**	**4.0L**	**¶97ii4158**	
WEL	**II**	**28 06 51 46.8**	**36.36S**	**177.81E**	**12**	**3.7L**	**¶97ii4162**	
WEL	**II**	**28 07 48 00.7**	**36.31S**	**178.01E**	**12**	**4.0L**	**¶97ii4170**	
WEL	**II**	**28 08 05 57.0**	**36.48S**	**178.07E**	**12**	**3.9L**	**¶97ii4177**	
ISC	**II**	**28 08 13 26**±1.2	**36.55S**±.074	**177.7E**±.14	**12**	**4.1b**	**16**	**1-143**
EIDC	II	28 08 13 17.6	35.6S	179.0E	0	4.2b	**¶97ii4179**	
NEIC	II	28 08 13 21.8	36.00S	178.84E	33	4.2b		
WEL	II	28 08 13 24.0	36.28S	177.93E	12	4.4L		
NEIC	Poor solution.							
WEL	T wave on HBZ							
WEL	**II**	**28 08 27 49.5**	**36.48S**	**178.21E**	**12**	**4.1L**	**¶97ii4184**	
WEL	**II**	**28 08 28 53.7**	**36.33S**	**177.88E**	**12**	**4.3L**	**¶97ii4185**	
WEL	**II**	**28 08 37 14.9**	**36.24S**	**177.56E**	**12**	**3.8L**	**¶97ii4188**	
WEL	**II**	**28 08 45 33.7**	**36.30S**	**177.77E**	**12**	**4.0L**	**¶97ii4189**	
ISC	**II**	**28 08 57 50**±1.5	**36.6S**±.12	**177.6E**±.21	**12**	**4.1b**	**11**	**1-143**
EIDC	II	28 08 57 44.0	36.1S	178.5E	0	4.2b	**¶97ii4191**	
WEL	II	28 08 57 48.8	36.37S	177.62E	12	4.5L		
ISC	**II**	**28 09 02 04**±3.6	**36.7S**±.27	**177.5E**±.26	**42**±28	3.7b	**8**	**1-41**
EIDC	II	28 09 01 12.3	37.3S	175.2W	0	3.9b	**¶97ii4193**	
WEL	II	28 09 01 58.6	36.28S	177.76E	12	4.5L		
WEL	**II**	**28 09 06 29.1**	**36.37S**	**177.77E**	**12**	**4.1L**	**¶97ii4195**	
ISC	**II**	**28 09 22 22**±13	**36.6S**±.92	**177.7E**±.17	**12**		**8**	**1-4**
WEL	II	28 09 22 20.2	36.33S	177.83E	12	4.1L	**¶97ii4196**	
ISC	**II**	**28 09 36 15**±1.5	**36.48S**±.091	**177.9E**±.16	**12**	**4.2b**	**17**	**1-144**
WEL	II	28 09 36 14.1	36.29S	177.94E	12	4.5L	**¶97ii4201**	
EIDC	II	28 09 36 18.9	36.7S	177.3E	0	4.2b		
NEIC	II	28 09 36 30.8	37.24S	176.74E	100	4.6b		
NEIC	Poor solution.							
WEL	**II**	**28 09 47 46.8**	**36.42S**	**178.17E**	**12**	**3.9L**	**¶97ii4205**	
ISC	**II**	**28 10 23 01**±1.4	**36.45S**±.096	**177.7E**±.16	**12**	**4.2b**	**16**	**1-49**
EIDC	II	28 10 22 12.5	37.7S	175.0W	0	4.3b,4.5s	**¶97ii4210**	
WEL	II	28 10 23 00.4	36.31S	177.80E	12	4.5L		
ISC	**II**	**28 10 30 49**±1.9	**36.4S**±.12	**177.9E**±.18	**12**	**3.8b**	**12**	**1-41**
EIDC	II	28 10 29 43.7	35.7S	172.0W	0	4.0b	**¶97ii4214**	
WEL	II	28 10 30 49.0	36.37S	177.85E	12	4.5L		
ISC	**II**	**28 10 38 51**±6.9	**37.1S**±.51	**177.8E**±.15	**12**		**6**	**1-4**
WEL	II	28 10 38 40.5	36.37S	178.11E	12	4.5L	**¶97ii4217**	
WEL	**II**	**28 10 56 02.8**	**36.45S**	**177.80E**	**12**	**3.9L**	**¶97ii4220**	
WEL	**II**	**28 10 59 52.9**	**36.26S**	**177.43E**	**12**	**4.2L**	**¶97ii4222**	
WEL	**II**	**28 11 03 35.4**	**36.33S**	**177.54E**	**12**	**4.0L**	**¶97ii4225**	
WEL	**II**	**28 11 12 51.9**	**36.41S**	**177.85E**	**12**	**3.9L**	**¶97ii4229**	
WEL	**II**	**28 11 24 17.7**	**36.32S**	**178.06E**	**12**	**3.8L**	**¶97ii4230**	
WEL	**II**	**28 11 29 42.2**	**36.26S**	**177.83E**	**12**	**4.1L**	**¶97ii4231**	
WEL	**II**	**28 11 36 41.9**	**36.33S**	**177.67E**	**12**	**3.8L**	**¶97ii4233**	
WEL	**II**	**28 11 41 45.8**	**36.33S**	**177.69E**	**12**	**4.1L**	**¶97ii4234**	
ISC	**II**	**28 11 44 35**±2.2	**36.58S**±.080	**177.8E**±.28	**12**	**4.3b**	**15**	**2-143**
WEL	II	28 11 44 34.1	36.35S	177.79E	12	4.8L	**¶97ii4235**	
EIDC	II	28 11 44 35.0	36.6S	177.6E	0	4.3b		
NEIC	II	28 11 44 47.4	37.23S	177.22E	100	4.7b		
NEIC	Poor solution.							
WEL	**II**	**28 11 52 31.1**	**36.35S**	**177.66E**	**12**	**3.7L**	**¶97ii4237**	
ISC	**II**	**28 12 02 40**±1.9	**36.5S**±.11	**177.7E**±.23	**12**	**4.1b**	**13**	**1-143**
EIDC	II	28 12 02 35.0	36.4S	178.2E	0	4.1b	**¶97ii4239**	
WEL	II	28 12 02 38.5	36.34S	177.74E	12	4.5L		
WEL	**II**	**28 12 08 52.7**	**36.39S**	**177.75E**	**12**	**4.0L**	**¶97ii4242**	
ISC	**II**	**28 12 16 36**±1.7	**36.8S**±.12	**177.8E**±.20	**12**	**3.9b**	**11**	**1-143**
WEL	II	28 12 16 30.6	36.29S	177.96E	12	4.3L	**¶97ii4244**	
EIDC	II	28 12 16 32.0	37.2S	177.9E	0	3.8b		
ISC	**II**	**28 12 23 05**±1.4	**36.5S**±.12	**177.8E**±.19	**12**	**3.8b**	**11**	**1-144**
WEL	II	28 12 23 02.7	36.25S	177.89E	12	4.3L	**¶97ii4245**	
EIDC	II	28 12 23 05.3	37.1S	177.5E	0	3.8b		
WEL	**II**	**28 12 36 58.3**	**36.34S**	**177.94E**	**12**	**4.0L**	**¶97ii4248**	
WEL	**II**	**28 12 45 27.0**	**36.31S**	**177.84E**	**12**	**4.0L**	**¶97ii4251**	
WEL	**II**	**28 13 07 44.1**	**36.48S**	**178.21E**	**12**	**3.9L**	**¶97ii4255**	
ISC	**II**	**28 13 41 31**±1.8	**36.3S**±.11	**177.9E**±.18	**12**	**4.0b**	**15**	**1-41**
EIDC	II	28 13 41 21.7	36.5S	179.3E	0	4.1b	**¶97ii4261**	
WEL	II	28 13 41 30.7	36.29S	177.90E	12	4.6L		
NEIC	II	28 13 41 31.1	37.13S	179.23E	100			
NEIC	Poor solution.							
ISC	**II**	**28 13 51 09**±4.5	**36.6S**±.19	**177.5E**±.21	**21**±28	**4.1b**	**14**	**1-92**
WEL	II	28 13 51 05.9	36.28S	177.73E	12	4.7L	**¶97ii4264**	
EIDC	II	28 13 51 15.0	35.4S	176.4E	0	4.2b		
WEL	**II**	**28 14 23 54.4**	**36.30S**	**177.74E**	**12**	**4.0L**	**¶97ii4268**	
ISC	**II**	**28 14 40 30**±22	**36S**±1.5	**177.5E**±.66	**12**		**4**	**1-2**
WEL	II	28 14 40 29.7	36.36S	177.60E	12	3.8L	**¶97ii4270**	
ISC	Poorly determined							
WEL	**II**	**28 14 44 59.8**	**36.18S**	**177.50E**	**12**	**4.3L**	**¶97ii4271**	
WEL	**II**	**28 15 24 43.4**	**36.07S**	**177.91E**	**12**	**4.5L**	**¶97ii4276**	
WEL	**II**	**28 15 27 16.2**	**36.23S**	**177.69E**	**12**	**3.8L**	**¶97ii4278**	
WEL	**II**	**28 15 29 30.9**	**36.25S**	**177.73E**	**12**	**3.7L**	**¶97ii4280**	
WEL	**II**	**28 15 46 19.1**	**36.36S**	**177.86E**	**12**	**3.8L**	**¶97ii4281**	
ISC	**II**	**28 15 51 19**±5.3	**36.7S**±.37	**177.7E**±.15	**12**		**10**	**1-4**
WEL	II	28 15 51 13.6	36.23S	178.00E	12	4.4L	**¶97ii4283**	
WEL	**II**	**28 15 56 59.3**	**36.14S**	**178.03E**	**12**	**3.8L**	**¶97ii4285**	
ISC	**II**	**28 16 07 55**±5.0	**36.8S**±.35	**177.6E**±.19	**12**		**8**	**1-4**
WEL	II	28 16 07 51.0	36.42S	177.78E	12	4.4L	**¶97ii4288**	
WEL	**II**	**28 16 09 38.3**	**36.44S**	**177.69E**	**12**	**4.2L**	**¶97ii4289**	
ISC	**II**	**28 16 24 57**±1.7	**36.6S**±.11	**177.8E**±.16	**12**	4.1b	**10**	**1-41**
WEL	II	28 16 24 58.0	36.45S	177.82E	12	4.4L	**¶97ii4292**	
WEL	**II**	**28 16 29 44.0**	**36.27S**	**177.83E**	**12**	**3.9L**	**¶97ii4293**	
ISC	**II**	**28 16 45 15**±1.8	**36.5S**±.11	**177.9E**±.20	**12**	**3.8b**	**13**	**1-41**
EIDC	II	28 16 44 35.2	37.1S	176.2W	0	3.9b	**¶97ii4296**	
WEL	II	28 16 45 14.3	36.36S	177.93E	12	4.3L		
ISC	**II**	**28 16 46 12**±1.2	**36.47S**±.072	**177.8E**±.16	**12**	**4.4b**,4.1s	**29**	**1-150**
EIDC	II	28 16 46 07.4	36.6S	178.4E	0	4.5b,4.2s	**¶97ii4297**	
WEL	II	28 16 46 12.1	36.38S	177.80E	12	4.8L		
WEL	**II**	**28 17 50 23.4**	**36.28S**	**177.80E**	**12**	**4.1L**	**¶97ii4302**	
ISC	**II**	**28 18 02 56**±5.7	**36.8S**±.49	**177.1E**±.32	**311**±33		**18**	**1-10**
WEL	II	28 18 03 01.8	36.91S	177.00E	251	4.2L	**¶97ii4305**	
WEL	**II**	**28 18 06 42.9**	**36.30S**	**177.73E**	**12**	**4.2L**	**¶97ii4306**	
WEL	**II**	**28 18 29 17.6**	**36.28S**	**177.97E**	**12**	**3.9L**	**¶97ii4308**	
WEL	**II**	**28 18 36 47.5**	**36.26S**	**177.72E**	**12**	**4.0L**	**¶97ii4309**	
WEL	**II**	**28 18 40 16.9**	**36.40S**	**178.09E**	**12**	**4.0L**	**¶97ii4311**	
WEL	**II**	**28 18 50 02.1**	**36.41S**	**177.86E**	**12**	**3.8L**	**¶97ii4312**	
WEL	**II**	**28 18 57 25.1**	**36.32S**	**177.75E**	**12**	**4.2L**	**¶97ii4313**	
ISC	**II**	**28 19 00 09**±14	**36.9S**±.95	**177.7E**±.35	**12**		**6**	**1-3**
WEL	II	28 19 00 02.6	36.36S	177.80E	12	4.3L	**¶97ii4314**	
WEL	**II**	**28 19 49 59.6**	**36.39S**	**178.10E**	**12**	**4.0L**	**¶97ii4322**	
WEL	**II**	**28 19 51 41.5**	**36.40S**	**178.01E**	**12**	**3.9L**	**¶97ii4323**	
WEL	**II**	**28 20 26 47.7**	**36.20S**	**177.54E**	**12**	**3.7L**	**¶97ii4329**	
ISC	**II**	**28 20 29 40**±1.7	**37.03S**±.088	**178.1E**±.25	**100**	**4.3b**	**21**	**1-143**
WEL	II	28 20 29 26.5	36.00S	177.91E	12	5.0L	**¶97ii4330**	
EIDC	II	28 20 29 26.8	36.4S	178.8E	0	4.4b,4.1s		
NEIC	II	28 20 29 39.8	36.95S	178.16E	100	4.4b		
NEIC	Poor solution.							
WEL	**II**	**28 20 44 14.2**	**36.19S**	**177.54E**	**12**	**4.4L**	**¶97ii4333**	
WEL	**II**	**28 20 56 08.6**	**36.36S**	**177.69E**	**12**	**3.9L**	**¶97ii4337**	
WEL	**II**	**28 21 01 48.2**	**36.36S**	**177.94E**	**12**	**4.0L**	**¶97ii4338**	
ISC	**II**	**28 21 15 51**±14	**36.5S**±.88	**177.9E**±.42	**16**±40		**7**	**1-5**
WEL	II	28 21 15 49.7	36.31S	177.93E	12	4.2L	**¶97ii4340**	
ISC	Poorly determined							
WEL	**II**	**28 21 20 15.0**	**36.42S**	**178.03E**	**12**	**3.9L**	**¶97ii4342**	
WEL	**II**	**28 21 23 24.3**	**36.27S**	**177.54E**	**12**	**3.9L**	**¶97ii4344**	
ISC	**II**	**28 21 58 04**±2.4	**36.9S**±.17	**177.8E**±.17	**12**	4.3b	**6**	**1-40**
WEL	II	28 21 57 58.7	36.38S	177.97E	12	4.0L	**¶97ii4349**	
ISC	**II**	**28 22 22 48**±5.2	**36.8S**±.37	**177.7E**±.15	**12**		**7**	**1-3**
WEL	II	28 22 22 43.4	36.37S	177.92E	12	4.2L	**¶97ii4351**	
WEL	**II**	**28 22 38 57.2**	**36.28S**	**177.89E**	**12**	**4.2L**	**¶97ii4354**	
WEL	**II**	**28 23 19 08.3**	**36.47S**	**178.03E**	**12**	**3.9L**	**¶97ii4361**	
ISC	**II**	**28 23 57 21**±2.0	**36.5S**±.14	**177.9E**±.21	**12**	4.2b	**7**	**1-41**
WEL	II	28 23 57 20.8	36.35S	177.96E	12	4.5L	**¶97ii4366**	
WEL	**II**	**28 23 59 48.7**	**36.33S**	**177.78E**	**12**	**4.2L**	**¶97ii4367**	
WEL	**III**	**01 00 00 51.1**	**36.34S**	**177.98E**	**12**	**3.8L**	**¶97iii0001**	
WEL	**III**	**01 00 25 43.4**	**36.33S**	**177.69E**	**12**	**3.7L**	**¶97iii0002**	
WEL	**III**	**01 00 58 51.4**	**36.31S**	**177.55E**	**12**	**3.9L**	**¶97iii0007**	
WEL	**III**	**01 01 08 14.1**	**36.36S**	**177.67E**	**12**	**3.9L**	**¶97iii0009**	
WEL	**III**	**01 01 14 14.6**	**36.45S**	**177.59E**	**12**	**3.7L**	**¶97iii0010**	
ISC	**III**	**01 01 50 10**±1.7	**36.5S**±.11	**177.8E**±.17	**12**	**3.9b**	**13**	**1-41**
EIDC	III	01 01 48 57.9	37.9S	170.9W	0	4.0b	**¶97iii0016**	
WEL	III	01 01 50 10.2	36.34S	177.75E	12	4.4L		
ISC	**III**	**01 02 21 49**±7.1	**36.5S**±.49	**177.7E**±.23	**12**		**7**	**1-4**
WEL	III	01 02 21 45.3	36.17S	177.98E	12	4.1L	**¶97iii0020**	
WEL	**III**	**01 03 00 23.1**	**36.25S**	**177.56E**	**12**	**4.1L**	**¶97iii0024**	
WEL	**III**	**01 03 01 38.6**	**36.27S**	**177.78E**	**12**	**4.1L**	**¶97iii0025**	
WEL	**III**	**01 03 22 06.5**	**36.24S**	**177.47E**	**12**	**4.0L**	**¶97iii0028**	
WEL	**III**	**01 03 39 46.9**	**36.34S**	**177.80E**	**12**	**4.1L**	**¶97iii0032**	
ISC	**III**	**01 03 41 35.6**±.81	**36.42S**±.066	**177.9E**±.12	**12**	**4.3b**	**18**	**1-150**
WEL	III	01 03 41 34.1	36.27S	177.97E	12	4.5L	**¶97iii0033**	
NEIC	III	01 03 41 46.7	36.03S	177.68E	100	4.4b		
EIDC	III	01 03 41 50.6	36.0S	177.7E	129	4.0b		
NEIC	Less reliable solution.							
WEL	**III**	**01 03 43 45.7**	**36.37S**	**177.89E**	**12**	**4.3L**	**¶97iii0034**	
WEL	**III**	**01 03 47 40.2**	**36.53S**	**177.91E**	**12**	**3.8L**	**¶97iii0036**	
WEL	**III**	**01 04 14 28.5**	**36.33S**	**178.11E**	**12**	**4.1L**	**¶97iii0039**	
WEL	**III**	**01 04 23 58.0**	**36.31S**	**177.62E**	**12**	**3.7L**	**¶97iii0042**	
ISC	**III**	**01 04 25 00**±2.3	**36.7S**±.15	**177.8E**±.13	**40**±19	**4.4b,4.1s**	**36**	**1-150**
EIDC	III	01 04 24 54.9	36.6S	178.0E	0	4.5b,4.1s	**¶97iii0043**	
WEL	III	01 04 24 55.0	36.30S	177.96E	12	4.9L		
NEIC	III	01 04 25 07.9	37.23S	177.45E	100	4.7b		
NEIC	Poor solution.							
WEL	**III**	**01 04 55 32.5**	**36.37S**	**177.72E**	**12**	**3.7L**	**¶97iii0048**	
WEL	**III**	**01 05 07 17.1**	**36.41S**	**177.65E**	**12**	**3.8L**	**¶97iii0051**	
ISC	**III**	**01 05 09 59**±2.5	**36.5S**±.16	**177.9E**±.20	**12**	4.2b	**10**	**1-41**
WEL	III	01 05 09 58.1	36.37S	178.01E	12	4.4L	**¶97iii0052**	
ISC	**III**	**01 06 38 42**±1.1	**36.66S**±.069	**177.6E**±.13	**12**	**4.4b**	**30**	**1-150**
WEL	III	01 06 38 40.7	36.46S	177.73E	12	4.7L	**¶97iii0064**	
EIDC	III	01 06 38 42.5	37.1S	177.4E	0	4.3b		
NEIC	III	01 06 38 48.2	37.22S	176.97E	33	4.6b		
NEIC	Poor solution.							
WEL	**III**	**01 07 58 48.6**	**36.15S**	**177.75E**	**12**	**4.7L**	**¶97iii0071**	
EIDC	III	01 07 58 48.1	35.2S	178.5E	0	4.0b		
ISC	**III**	**01 07 59 12**±1.2	**36.6S**±.10	**177.5E**±.14	**12**	**4.4b**	**17**	**1-150**
WEL	III	01 07 59 08.3	36.22S	177.73E	12	5.0L	**¶97iii0072**	
EIDC	III	01 07 59 51.0	35.5S	177.2E	386	3.7b		
NEIC	III	01 07 59 52.5	36.41S	176.93E	400	4.2b		
WEL	**III**	**01 08 41 37.4**	**36.41S**	**177.50E**	**12**	**3.8L**	**¶97iii0076**	
ISC	**III**	**01 09 17 37**±2.4	**36.4S**±.15	**177.9E**±.18	**12**	4.1b	**12**	**1-40**
WEL	III	01 09 17 35.7	36.36S	177.98E	12	4.3L	**¶97iii0083**	

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 01 10 12 14**±1.9	**36.4S**±.13	**177.9E**±.22	**12**	**3.7b**	**8**	**1-41**
EIDC	III 01 10 11 40.1	37.6S	177.1W	0	3.9b		**¶97iii0091**
WEL	III 01 10 12 12.6	36.30S	178.00E	12	4.2L		
WEL	**III 01 13 12 09.3**	**36.28S**	**177.78E**	**12**	**4.1L**		**¶97iii0113**
WEL	**III 01 13 45 54.6**	**36.28S**	**177.49E**	**12**	**4.3L**		**¶97iii0118**
WEL	**III 01 13 52 49.3**	**36.28S**	**177.75E**	**12**	**3.9L**		**¶97iii0121**
ISC	**III 01 13 58 35**±1.2	**36.63S**±.078	**177.7E**±.14	**12**	**4.3b**	**28**	**1-149**
WEL	III 01 13 58 34.9	36.43S	177.82E	12	4.8L		**¶97iii0122**
EIDC	III 01 13 58 38.1	36.7S	177.7E	21	4.1b		
NEIC	III 01 13 58 39.7	36.75S	177.35E	33	4.7b		
NEIC	Poor solution.						
WEL	**III 01 14 35 15.6**	**36.29S**	**177.91E**	**12**	**3.9L**		**¶97iii0126**
ISC	**III 01 15 03 51**±2.4	**36.7S**±.16	**177.7E**±.16	**36**±21	**4.3b**	**24**	**1-149**
WEL	III 01 15 03 47.0	36.30S	177.84E	12	4.4L		**¶97iii0127**
EIDC	III 01 15 03 47.6	36.1S	177.9E	0	4.3b		
WEL	**III 01 15 13 07.2**	**36.28S**	**177.78E**	**12**	**3.8L**		**¶97iii0128**
WEL	**III 01 15 21 03.6**	**36.16S**	**177.42E**	**12**	**4.1L**		**¶97iii0130**
WEL	**III 01 15 28 26.1**	**36.38S**	**177.67E**	**12**	**4.2L**		**¶97iii0131**
WEL	**III 01 15 42 28.1**	**36.25S**	**177.69E**	**12**	**4.2L**		**¶97iii0134**
ISC	**III 01 15 43 16**±7.3	**36.5S**±.51	**177.7E**±.24	**12**		**6**	**1-2**
WEL	III 01 15 43 14.1	36.33S	177.79E	12	4.4L		**¶97iii0135**
WEL	**III 01 15 46 15.5**	**36.33S**	**177.77E**	**12**	**4.1L**		**¶97iii0136**
ISC	**III 01 15 50 28**±1.8	**36.9S**±.15	**177.8E**±.17	**66**±17	**4.3b**	**21**	**1-143**
EIDC	III 01 15 50 15.5	36.4S	178.7E	0	4.3b		**¶97iii0137**
WEL	III 01 15 50 20.9	36.33S	177.86E	12	4.5L		
ISC	**III 01 15 52 16**±1.3	**36.46S**±.099	**177.8E**±.15	**12**	**4.4b**	**21**	**1-150**
EIDC	III 01 15 52 10.9	36.3S	178.4E	0	4.4b		**¶97iii0138**
WEL	III 01 15 52 15.7	36.41S	177.75E	12	4.7L		
WEL	**III 01 16 03 11.7**	**36.29S**	**177.66E**	**12**	**3.7L**		**¶97iii0139**
WEL	**III 01 16 33 29.8**	**36.10S**	**178.22E**	**12**	**3.9L**		**¶97iii0140**
WEL	**III 01 16 44 56.7**	**36.25S**	**177.81E**	**12**	**4.2L**		**¶97iii0142**
ISC	**III 01 16 59 37**±6.6	**36.8S**±.47	**177.9E**±.22	**12**		**9**	**1-4**
WEL	III 01 16 59 32.1	36.33S	177.73E	12	4.1L		**¶97iii0143**
WEL	**III 01 17 02 34.2**	**36.56S**	**178.18E**	**12**	**3.9L**		**¶97iii0144**
WEL	**III 01 17 10 25.9**	**36.32S**	**177.74E**	**12**	**3.7L**		**¶97iii0145**
WEL	**III 01 17 11 40.3**	**36.44S**	**177.88E**	**12**	**3.8L**		**¶97iii0146**
WEL	**III 01 17 17 38.2**	**36.32S**	**177.82E**	**12**	**4.0L**		**¶97iii0148**
ISC	**III 01 17 28 53**±2.1	**36.8S**±.16	**177.8E**±.15	**58**±19	**4.4b**	**29**	**1-150**
EIDC	III 01 17 28 42.8	37.2S	178.5E	0	4.4b		**¶97iii0150**
WEL	III 01 17 28 49.1	36.38S	177.81E	12	4.6L		
WEL	**III 01 17 36 25.7**	**36.25S**	**177.78E**	**12**	**4.2L**		**¶97iii0152**
ISC	**III 01 18 06 46**±2.0	**36.5S**±.14	**177.8E**±.18	**12**	4.5b	**11**	**1-41**
WEL	III 01 18 06 45.9	36.41S	177.82E	12	4.7L		**¶97iii0158**
WEL	**III 01 18 13 25.2**	**36.15S**	**177.83E**	**12**	**4.0L**		**¶97iii0159**
WEL	**III 01 18 37 25.9**	**36.16S**	**177.85E**	**12**	**4.2L**		**¶97iii0161**
WEL	**III 01 18 46 33.1**	**36.43S**	**177.87E**	**12**	**3.8L**		**¶97iii0162**
WEL	**III 01 18 49 56.4**	**36.05S**	**177.89E**	**12**	**4.1L**		**¶97iii0163**
WEL	**III 01 19 02 15.8**	**36.40S**	**178.00E**	**12**	**4.0L**		**¶97iii0165**
WEL	**III 01 19 18 40.8**	**36.56S**	**178.16E**	**12**	**3.8L**		**¶97iii0170**
WEL	**III 01 19 18 55.6**	**36.31S**	**178.17E**	**12**	**4.2L**		**¶97iii0171**
WEL	**III 01 20 02 17.5**	**36.35S**	**177.99E**	**12**	**4.0L**		**¶97iii0176**
ISC	**III 01 20 19 02**±1.6	**36.6S**±.11	**177.8E**±.19	**12**	**3.8b**	**11**	**1-143**
EIDC	III 01 20 18 56.5	34.3S	178.9E	0	3.8b		**¶97iii0178**
WEL	III 01 20 18 58.6	36.28S	178.07E	12	4.3L		
WEL	**III 01 20 37 00.4**	**36.27S**	**177.92E**	**12**	**4.1L**		**¶97iii0182**
ISC	**III 01 20 41 59**±1.4	**36.84S**±.096	**178.2E**±.20	**75**±14	**4.5b**	**35**	**1-151**
WEL	III 01 20 41 53.7	36.38S	178.00E	12	4.9L		**¶97iii0184**
EIDC	III 01 20 41 56.7	36.5S	177.5E	0	4.5b		
NEIC	III 01 20 41 58.0	36.26S	177.88E	33	4.5b		
NEIC	Poor solution.						
WEL	**III 01 21 00 10.0**	**36.28S**	**177.89E**	**12**	**4.2L**		**¶97iii0187**
WEL	**III 01 21 34 48.4**	**36.33S**	**178.02E**	**12**	**4.0L**		**¶97iii0191**
ISC	**III 01 21 55 55**±1.6	**36.5S**±.10	**177.9E**±.20	**12**	**4.1b**	**15**	**1-150**
WEL	III 01 21 55 52.9	36.31S	178.06E	12	4.3L		**¶97iii0194**
EIDC	III 01 21 55 55.0	36.3S	177.8E	0	4.1b		
NEIC	III 01 21 55 56.9	35.93S	178.01E	33	4.3b		
NEIC	Poor solution.						
ISC	**III 01 21 57 10**±2.2	**36.4S**±.13	**178.0E**±.23	**12**	4.4b	**11**	**1-41**
WEL	III 01 21 57 11.4	36.36S	177.79E	12	4.6L		**¶97iii0195**
ISC	**III 01 21 58 16**±1.2	**36.47S**±.089	**177.9E**±.15	**12**	**4.5b**,4.0s	**19**	**1-150**
EIDC	III 01 21 58 11.7	35.6S	178.5E	0	4.6b,4.1s		**¶97iii0196**
WEL	III 01 21 58 15.0	36.34S	177.82E	12	5.0L		
WEL	**III 01 22 00 43.6**	**36.21S**	**177.51E**	**12**	**3.9L**		**¶97iii0197**
WEL	**III 01 22 03 58.7**	**36.46S**	**177.53E**	**12**	**3.8L**		**¶97iii0199**
WEL	**III 01 22 35 55.2**	**36.32S**	**177.97E**	**12**	**3.7L**		**¶97iii0203**
WEL	**III 01 22 46 37.9**	**36.26S**	**178.04E**	**12**	**4.2L**		**¶97iii0204**
WEL	**III 01 23 06 53.4**	**36.46S**	**177.80E**	**12**	**3.9L**		**¶97iii0207**
WEL	**III 01 23 13 36.9**	**36.36S**	**177.61E**	**12**	**4.1L**		**¶97iii0209**
WEL	**III 01 23 53 08.2**	**36.39S**	**178.01E**	**12**	**4.0L**		**¶97iii0215**
WEL	**III 02 00 10 46.2**	**36.24S**	**177.45E**	**12**	**4.0L**		**¶97iii0216**
WEL	**III 02 01 07 42.9**	**36.32S**	**178.12E**	**12**	**4.4L**		**¶97iii0222**
WEL	**III 02 03 38 58.3**	**36.44S**	**177.96E**	**12**	**3.9L**		**¶97iii0233**
ISC	**III 02 04 22 09**±8.9	**36.5S**±.58	**177.8E**±.34	**12**		**5**	**1-5**
WEL	III 02 04 22 09.9	36.40S	177.86E	12	4.0L		**¶97iii0241**
ISC	**III 02 04 35 04**±1.0	**36.42S**±.083	**178.1E**±.14	**12**	**4.4b**	**18**	**1-150**
WEL	III 02 04 35 04.2	36.35S	178.05E	12	4.3L		**¶97iii0243**
EIDC	III 02 04 35 08.8	37.3S	177.6E	22	4.3b		
ISC	**III 02 04 42 43**±1.8	**36.44S**±.091	**177.9E**±.22	**12**	**3.8b**	**13**	**1-41**
WEL	III 02 04 42 43.3	36.37S	177.93E	12	4.5L		**¶97iii0246**
ISC	**III 02 06 12 12**±1.0	**36.62S**±.067	**177.9E**±.13	**12**	**4.3b,4.3s**	**39**	**1-151**
WEL	III 02 06 12 09.6	36.39S	178.06E	12	4.6L		**¶97iii0251**
NEIC	III 02 06 12 10.9	36.23S	176.97E	33	4.8b		
EIDC	III 02 06 12 12.6	36.9S	176.9E	28	4.5s,3.9b		
NEIC	Poor solution.						
ISC	**III 02 06 16 48**±2.1	**36.7S**±.18	**177.8E**±.13	**47**±23	**4.5b**	**21**	**1-150**
WEL	III 02 06 16 42.3	36.34S	177.93E	12	4.6L		**¶97iii0252**
EIDC	III 02 06 17 12.7	36.3S	177.6E	273	4.0b		
NEIC	III 02 06 17 13.7	36.26S	177.56E	300	4.1b		
NEIC	Less reliable solution.						
ISC	**III 02 06 45 48**±3.6	**36.4S**±.13	**178.6E**±.47	**12**	4.1b	**9**	**1-42**
WEL	III 02 06 45 49.6	36.27S	177.99E	12	4.3L		**¶97iii0255**
ISC	**III 02 09 45 30**±9.5	**36.4S**±.61	**177.9E**±.38	**12**		**5**	**1-5**
WEL	III 02 09 45 29.8	36.27S	178.09E	12	3.9L		**¶97iii0274**
ISC	**III 02 09 55 38**±6.9	**36.5S**±.48	**177.8E**±.27	**12**		**8**	**1-4**
WEL	III 02 09 55 34.5	36.20S	177.83E	12	4.6L		**¶97iii0277**
WEL	**III 02 10 05 04.8**	**36.38S**	**178.04E**	**12**	**3.8L**		**¶97iii0280**
WEL	**III 02 10 11 12.5**	**36.23S**	**178.17E**	**12**	**3.9L**		**¶97iii0281**
WEL	**III 02 10 15 33.4**	**36.22S**	**177.66E**	**12**	**4.1L**		**¶97iii0282**
WEL	**III 02 10 16 27.4**	**36.20S**	**177.46E**	**12**	**4.4L**		**¶97iii0283**
WEL	**III 02 10 17 06.3**	**36.69S**	**177.44E**	**12**	**4.3L**		**¶97iii0284**
WEL	**III 02 10 19 15.8**	**36.24S**	**177.30E**	**33**	**4.9L**		**¶97iii0285**
EIDC	III 02 10 19 01.9	36.9S	179.8E	0	3.9b		
ISC	**III 02 10 37 52**±1.9	**36.3S**±.10	**178.1E**±.25	**12**	**3.9b**	**13**	**1-42**
EIDC	III 02 10 37 07.9	37.4S	175.4W	0	4.0b		**¶97iii0287**
WEL	III 02 10 37 50.5	36.16S	177.70E	12	4.5L		
WEL	**III 02 10 44 33.6**	**36.38S**	**177.79E**	**12**	**3.9L**		**¶97iii0288**
WEL	**III 02 11 21 47.5**	**36.34S**	**177.80E**	**12**	**3.7L**		**¶97iii0291**
WEL	**III 02 11 22 47.1**	**36.34S**	**177.87E**	**12**	**3.7L**		**¶97iii0292**
ISC	**III 02 11 27 27**±1.5	**36.59S**±.084	**177.9E**±.17	**12**	**4.3b**	**26**	**1-143**
EIDC	III 02 11 27 20.6	36.3S	178.9E	0	4.4b		**¶97iii0293**
WEL	III 02 11 27 27.9	36.41S	177.83E	12	4.6L		
WEL	**III 02 11 40 30.7**	**36.31S**	**177.89E**	**12**	**3.7L**		**¶97iii0296**
ISC	**III 02 11 42 03**±2.1	**36.8S**±.20	**177.8E**±.16	**61**±21	**4.3b**	**17**	**1-41**
EIDC	III 02 11 41 52.3	36.4S	178.5E	0	4.4b		**¶97iii0298**
WEL	III 02 11 41 55.7	36.35S	178.03E	12	4.7L		
ISC	**III 02 11 44 25**±1.3	**36.47S**±.098	**177.6E**±.17	**12**	**4.2b**	**13**	**1-41**
EIDC	III 02 11 44 01.7	37.3S	179.0W	0	4.3b		**¶97iii0299**
WEL	III 02 11 44 25.1	36.42S	177.66E	12	4.6L		
ISC	**III 02 11 45 46**±1.5	**36.5S**±.13	**177.6E**±.19	**12**	**4.1b**	**10**	**1-41**
EIDC	III 02 11 45 17.4	37.1S	178.1W	0	4.2b		**¶97iii0300**
WEL	III 02 11 45 45.5	36.41S	177.61E	12	4.5L		
WEL	**III 02 12 33 24.7**	**36.24S**	**177.88E**	**12**	**4.1L**		**¶97iii0308**
WEL	**III 02 12 56 39.4**	**36.17S**	**177.95E**	**12**	**4.2L**		**¶97iii0313**
WEL	**III 02 12 59 15.5**	**36.34S**	**177.92E**	**12**	**3.7L**		**¶97iii0314**
WEL	**III 02 13 00 21.1**	**36.31S**	**177.99E**	**12**	**4.0L**		**¶97iii0315**
WEL	**III 02 13 15 50.1**	**36.22S**	**177.50E**	**12**	**3.8L**		**¶97iii0317**
WEL	**III 02 13 20 56.2**	**36.13S**	**178.01E**	**12**	**4.0L**		**¶97iii0318**
ISC	**III 02 13 30 56**±1.4	**36.48S**±.087	**177.8E**±.17	**12**	**4.3b**	**15**	**1-41**
EIDC	III 02 13 30 50.2	36.6S	178.5E	0	4.3b		**¶97iii0319**
WEL	III 02 13 30 55.1	36.34S	178.03E	12	4.4L		
ISC	**III 02 13 35 19**±2.3	**36.3S**±.14	**178.1E**±.30	**12**	**3.8b**	**11**	**1-42**
EIDC	III 02 13 35 12.6	36.5S	179.0E	0	3.8b		**¶97iii0321**
WEL	III 02 13 35 23.3	36.41S	178.21E	12	3.9L		
WEL	**III 02 13 42 38.1**	**35.86S**	**177.83E**	**12**	**4.2L**		**¶97iii0322**
ISC	**III 02 13 44 14**±2.6	**36.2S**±.13	**178.4E**±.36	**12**	**3.9b**	**10**	**1-42**
WEL	III 02 13 44 16.2	36.33S	178.16E	12	3.9L		**¶97iii0323**
EIDC	III 02 13 44 17.4	37.4S	177.7E	0	4.0b		
ISC	**III 02 14 17 29**±2.4	**36.4S**±.15	**178.0E**±.20	**12**	4.1b	**10**	**1-41**
WEL	III 02 14 17 28.8	36.36S	177.92E	12	4.3L		**¶97iii0328**
WEL	**III 02 14 21 15.2**	**36.38S**	**177.86E**	**12**	**4.0L**		**¶97iii0329**
ISC	**III 02 14 31 36**±1.8	**36.7S**±.12	**177.9E**±.13	**40**±16	**4.4b**	**34**	**1-150**
EIDC	III 02 14 31 30.0	35.7S	178.3E	0	4.4b		**¶97iii0330**
WEL	III 02 14 31 32.6	36.39S	177.94E	12	4.8L		
NEIC	III 02 14 32 11.0	36.99S	176.99E	350	4.2b		
NEIC	Poor solution.						
ISC	**III 02 14 33 57**±3.1	**36.49S**±.080	**178.0E**±.10	**21**±23	**4.8b**	**55**	**1-154**
WEL	III 02 14 33 53.9	36.37S	178.44E	12	5.3L		**¶97iii0331**
EIDC	III 02 14 33 54.3	36.0S	178.1E	0	4.8b		
MOS	III 02 14 34 01.3	36.5S	177.4E	33	5.2b		
NEIC	III 02 14 34 28.7	36.57S	177.32E	300	4.6b		
NEIC	Less reliable solution.						
ISC	**III 02 14 46 52**±2.7	**36.4S**±.14	**178.1E**±.34	**12**	4.0b	**8**	**1-42**
WEL	III 02 14 46 53.6	36.46S	177.98E	12	4.1L		**¶97iii0332**
ISC	**III 02 14 50 06**±1.5	**36.52S**±.086	**178.0E**±.18	**12**	**4.2b**	**25**	**1-149**
EIDC	III 02 14 50 00.4	37.2S	178.6E	0	4.3b		**¶97iii0333**
WEL	III 02 14 50 09.1	36.54S	177.71E	12	4.4L		
WEL	**III 02 14 54 13.6**	**36.33S**	**177.89E**	**12**	**3.9L**		**¶97iii0334**
ISC	**III 02 15 11 20**±1.8	**36.45S**±.099	**178.1E**±.22	**12**	**3.9b**	**14**	**1-42**
EIDC	III 02 15 11 15.6	34.6S	178.7E	0	4.0b		**¶97iii0336**
WEL	III 02 15 11 19.2	36.36S	178.00E	12	4.4L		
ISC	**III 02 15 20 03**±1.7	**36.7S**±.12	**177.8E**±.15	**41**±19	**4.5b**	**30**	**1-151**
EIDC	III 02 15 19 53.3	36.8S	178.6E	0	4.6b		**¶97iii0337**
WEL	III 02 15 19 57.1	36.29S	178.01E	12	4.9L		
ISC	**III 02 15 23 52**±1.5	**36.53S**±.099	**177.9E**±.19	**12**	**4.2b**	**12**	**1-41**
EIDC	III 02 15 23 35.6	35.5S	179.7W	0	4.2b		**¶97iii0338**
WEL	III 02 15 23 49.5	36.32S	177.99E	12	4.5L		
WEL	**III 02 15 40 39.8**	**36.38S**	**177.74E**	**12**	**3.7L**		**¶97iii0340**
WEL	**III 02 15 47 50.8**	**36.40S**	**178.03E**	**12**	**3.9L**		**¶97iii0342**
WEL	**III 02 15 52 14.7**	**36.38S**	**177.67E**	**12**	**3.7L**		**¶97iii0345**
ISC	**III 02 15 53 40**±2.0	**36.5S**±.16	**177.7E**±.28	**12**	**4.0b**	**9**	**1-41**
EIDC	III 02 15 53 24.0	37.3S	180.0W	0	4.1b		**¶97iii0347**
WEL	III 02 15 53 38.1	36.32S	178.07E	12	4.2L		
ISC	**III 02 16 11 37**±2.2	**36.6S**±.16	**177.5E**±.25	**12**	4.1b	**6**	**2-41**
WEL	III 02 16 11 37.5	36.55S	177.60E	12	4.5L		**¶97iii0348**
ISC	**III 02 16 23 09**±1.1	**36.69S**±.070	**177.74E**±.084	**33**±12	**4.6b**	**54**	**1-154**
EIDC	III 02 16 23 02.4	36.1S	178.2E	0	4.5b		**¶97iii0349**
WEL	III 02 16 23 07.1	36.46S	177.69E	12	5.3L		
MOS	III 02 16 23 09.2	36.4S	177.6E	33	5.1b		
NEIC	III 02 16 23 36.2	36.59S	177.42E	300	4.4b		
NEIC	Less reliable solution.						
WEL	**III 02 16 40 13.7**	**36.42S**	**177.97E**	**12**	**3.9L**		**¶97iii0356**
WEL	**III 02 17 20 56.7**	**36.25S**	**177.93E**	**12**	**3.7L**		**¶97iii0364**
ISC	**III 02 17 37 24**±3.8	**36.5S**±.14	**177.8E**±.55	**12**	**4.0b**	**10**	**1-112**
EIDC	III 02 17 36 51.9	35.4S	177.3W	0	4.1b		**¶97iii0368**
WEL	III 02 17 37 25.3	36.40S	177.65E	12	4.4L		
WEL	**III 02 17 47 11.6**	**36.37S**	**178.00E**	**12**	**3.7L**		**¶97iii0370**
WEL	**III 02 17 55 26.5**	**36.25S**	**177.81E**	**12**	**3.7L**		**¶97iii0373**
WEL	**III 02 18 03 10.4**	**36.32S**	**177.85E**	**12**	**3.8L**		**¶97iii0374**
WEL	**III 02 18 12 02.8**	**36.37S**	**178.00E**	**12**	**3.7L**		**¶97iii0375**
WEL	**III 02 18 18 38.0**	**36.33S**	**177.95E**	**12**	**3.8L**		**¶97iii0376**
WEL	**III 02 18 28 13.3**	**36.31S**	**177.96E**	**12**	**3.8L**		**¶97iii0377**
WEL	**III 02 18 46 36.9**	**36.33S**	**178.02E**	**12**	**3.9L**		**¶97iii0380**
ISC	**III 02 19 01 56**±3.8	**36.6S**±.10	**177.8E**±.13	**18**±27	**4.5b**	**43**	**1-151**
WEL	III 02 19 01 53.7	36.41S	178.04E	12	5.2L		**¶97iii0381**
NEIC	III 02 19 02 27.4	36.73S	177.19E	300	4.3b		
EIDC	III 02 19 02 34.0	37.1S	176.8E	339	3.8b		
NEIC	Poor solution.						
ISC	**III 02 19 23 39**±1.0	**36.47S**±.076	**177.9E**±.14	**12**	**4.5b**	**26**	**1-150**
EIDC	III 02 19 23 36.5	35.8S	178.3E	0	4.5b		**¶97iii0385**
WEL	III 02 19 23 38.3	36.32S	178.00E	12	4.9L		
NEIC	III 02 19 24 11.4	36.79S	177.23E	300	4.3b		
NEIC	Poor solution.						
WEL	**III 02 19 42 58.8**	**36.31S**	**177.85E**	**12**	**4.0L**		**¶97iii0387**
WEL	**III 02 19 53 41.7**	**36.31S**	**178.13E**	**12**	**3.7L**		**¶97iii0390**
WEL	**III 02 19 56 44.6**	**36.37S**	**177.93E**	**12**	**3.9L**		**¶97iii0391**
ISC	**III 02 20 04 02**±1.3	**36.46S**±.095	**178.0E**±.18	**12**	**3.9b**	**14**	**1-144**
WEL	III 02 20 04 02.0	36.40S	178.11E	12	4.2L		**¶97iii0395**
EIDC	III 02 20 04 10.3	35.2S	178.5E	103	3.7b		

ISC	**III**	**02 20 04 26**±1.1	**36.50S**±.071	**177.8E**±.16	**12**	**4.3b**	**23**	**1-151**
WEL	III	02 20 04 26.0	36.37S	177.75E	12	4.6L		**¶97iii0396**
ISC	**III**	**02 20 06 53.8**±.76	**36.48S**±.054	**177.9E**±.12	**12**	**4.7b**,4.3s	**44**	**1-154**
EIDC	III	02 20 06 50.9	35.6S	178.3E	0	4.6b,4.3s		**¶97iii0397**
WEL	III	02 20 06 54.7	36.52S	177.91E	12	4.6L		
MOS	III	02 20 06 58.2	36.1S	177.5E	33	5.4b		
NEIC	III	02 20 07 25.5	36.43S	177.50E	300	4.6b		
NEIC	Poor solution.							
ISC	**III**	**02 20 39 41**±2.0	**36.5S**±.12	**178.0E**±.20	**12**	3.8b	**10**	**1-41**
WEL	III	02 20 39 41.0	36.39S	177.93E	12	4.5L		**¶97iii0402**
WEL	**III**	**02 20 59 19.6**	**36.14S**	**178.22E**	**12**	**4.1L**		**¶97iii0404**
WEL	**III**	**02 21 54 43.7**	**36.34S**	**178.05E**	**12**	**3.9L**		**¶97iii0411**
ISC	**III**	**02 22 01 24**±1.7	**36.8S**±.13	**177.9E**±.17	**54**±21	**4.1b**	**16**	**1-41**
WEL	III	02 22 01 20.0	36.48S	177.94E	12	4.2L		**¶97iii0413**
WEL	**III**	**02 22 24 40.9**	**35.99S**	**177.77E**	**12**	**4.4L**		**¶97iii0417**
ISC	**III**	**02 22 57 23**±1.5	**36.37S**±.078	**178.1E**±.21	**12**	**4.2b,4.0s**	**17**	**1-149**
EIDC	III	02 22 57 21.6	37.7S	178.1E	0	4.2s,4.2b		**¶97iii0419**
WEL	III	02 22 57 22.0	36.24S	178.01E	12	4.7L		
WEL	**III**	**02 23 29 07.9**	**36.36S**	**177.85E**	**12**	**4.5L**		**¶97iii0425**
ISC	**III**	**03 00 44 18**±1.3	**36.87S**±.089	**178.0E**±.13	**65**±12	**4.5b**	**32**	**1-150**
EIDC	III	03 00 44 09.8	36.1S	178.4E	0	4.6b		**¶97iii0435**
NEIC	III	03 00 44 13.4	36.41S	178.36E	33	4.8b		
WEL	III	03 00 44 14.0	36.41S	177.79E	12	5.1L		
NEIC	Poor solution.							
ISC	**III**	**03 02 35 29**±3.9	**36.54S**±.066	**177.91E**±.089	**5**±25	**4.7b**	**59**	**1-154**
WEL	III	03 02 35 29.3	36.43S	177.86E	12	4.9L		**¶97iii0452**
MOS	III	03 02 35 34.1	36.5S	177.7E	33	4.8b		
NEIC	III	03 02 35 51.6	36.56S	177.58E	200	4.8b		
EIDC	III	03 02 36 05.5	36.9S	177.2E	317	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**03 06 32 46**±1.5	**36.50S**±.094	**178.0E**±.19	**12**	**4.3b**	**13**	**1-41**
EIDC	III	03 06 31 38.2	38.8S	171.7W	0	4.4b,3.9s		**¶97iii0498**
WEL	III	03 06 32 44.9	36.35S	177.97E	12	4.6L		
WEL	**III**	**03 07 21 36.3**	**36.38S**	**177.94E**	**12**	**4.0L**		**¶97iii0508**
ISC	**III**	**03 08 38 33**±2.2	**36.4S**±.14	**178.0E**±.23	**12**	3.9b	**9**	**1-41**
WEL	III	03 08 38 33.7	36.37S	177.90E	12	4.4L		**¶97iii0522**
ISC	**III**	**03 12 49 05**±2.0	**36.6S**±.14	**177.8E**±.20	**12**	4.4b	**7**	**1-41**
WEL	III	03 12 49 02.9	36.31S	178.00E	12	4.6L		**¶97iii0576**
ISC	**III**	**03 13 33 58**±7.9	**36.5S**±.54	**177.8E**±.28	**12**		**5**	**1-5**
WEL	III	03 13 33 57.9	36.39S	177.93E	12	4.3L		**¶97iii0591**
ISC	**III**	**03 13 47 56**±5.5	**36.6S**±.38	**177.8E**±.21	**12**		**4**	**1-2**
WEL	III	03 13 47 54.6	36.48S	177.87E	12	4.2L		**¶97iii0594**
ISC	Poorly determined							
ISC	**III**	**03 13 49 38**±1.6	**36.5S**±.12	**177.8E**±.19	**12**	**4.2b**	**10**	**1-41**
EIDC	III	03 13 49 02.2	37.2S	176.9W	0	4.3b		**¶97iii0595**
WEL	III	03 13 49 36.7	36.30S	177.86E	12	4.4L		
ISC	**III**	**03 14 13 33**±2.1	**36.73S**±.079	**177.9E**±.12	**25**±16	**4.5b**	**41**	**1-161**
WEL	III	03 14 13 22.1	35.86S	178.43E	12	5.4L		**¶97iii0602**
EIDC	III	03 14 13 29.4	36.6S	178.1E	0	4.5b		
NEIC	III	03 14 13 35.6	36.76S	177.63E	33	4.8b		
NEIC	Less reliable solution.							
WEL	**III**	**03 19 41 51.6**	**36.26S**	**177.67E**	**12**	**3.8L**		**¶97iii0675**
WEL	**III**	**03 19 51 18.6**	**36.39S**	**177.58E**	**12**	**3.8L**		**¶97iii0678**
WEL	**III**	**03 20 59 02.8**	**36.27S**	**177.92E**	**12**	**3.8L**		**¶97iii0692**
ISC	**III**	**03 21 02 03**±2.0	**36.4S**±.12	**177.9E**±.20	**12**	4.2b	**11**	**1-41**
WEL	III	03 21 02 04.0	36.42S	177.76E	12	4.4L		**¶97iii0693**
WEL	**III**	**03 23 08 51.2**	**36.47S**	**177.64E**	**12**	**4.2L**		**¶97iii0710**
ISC	**III**	**03 23 14 06**±1.4	**36.59S**±.098	**177.8E**±.17	**12**	**4.2b**	**13**	**1-41**
EIDC	III	03 23 13 39.5	36.4S	178.4W	0	4.3b		**¶97iii0711**
NEIC	III	03 23 13 42.5	36.72S	178.34W	33	4.4b		
WEL	III	03 23 14 03.6	36.36S	177.88E	12	4.6L		
NEIC	Poor solution.							
ISC	**III**	**03 23 15 41**±1.4	**36.5S**±.12	**177.5E**±.17	**12**	**4.5b**	**18**	**1-154**
EIDC	III	03 23 15 34.6	36.3S	178.4E	0	4.6b		**¶97iii0712**
WEL	III	03 23 15 40.0	36.40S	177.61E	12	4.9L		
WEL	**III**	**03 23 24 07.8**	**36.41S**	**177.68E**	**12**	**3.9L**		**¶97iii0713**
WEL	**III**	**03 23 37 25.5**	**36.23S**	**177.71E**	**12**	**4.0L**		**¶97iii0715**
WEL	**III**	**04 00 13 46.0**	**36.49S**	**177.87E**	**12**	**3.8L**		**¶97iii0719**
WEL	**III**	**04 00 24 21.6**	**36.17S**	**177.53E**	**12**	**4.4L**		**¶97iii0723**
WEL	**III**	**04 01 19 55.4**	**36.42S**	**178.12E**	**5**	**4.3L**		**¶97iii0741**
WEL	**III**	**04 01 58 06.0**	**36.27S**	**177.60E**	**5**	**4.0L**		**¶97iii0747**
WEL	**III**	**04 03 08 12.6**	**36.19S**	**177.58E**	**12**	**4.1L**		**¶97iii0761**
WEL	**III**	**04 03 59 16.4**	**36.25S**	**177.70E**	**12**	**4.4L**		**¶97iii0775**
WEL	**III**	**04 04 07 16.1**	**36.27S**	**177.61E**	**12**	**4.0L**		**¶97iii0778**
WEL	**III**	**04 07 18 09.0**	**36.60S**	**177.94E**	**12**	**3.7L**		**¶97iii0799**
ISC	**III**	**04 07 26 58**±1.6	**37.1S**±.14	**177.8E**±.13	**91**±14	**4.5b**	**31**	**1-150**
EIDC	III	04 07 26 45.5	36.5S	178.4E	0	4.5b		**¶97iii0802**
NEIC	III	04 07 26 50.3	36.70S	178.19E	33	4.7b		
WEL	III	04 07 26 51.0	36.40S	177.78E	12	4.7L		
NEIC	Less reliable solution.							
ISC	**III**	**04 07 41 02**±1.3	**36.64S**±.098	**177.7E**±.14	**12**	**4.8b**	**17**	**1-70**
WEL	III	04 07 41 01.4	36.45S	177.74E	12	5.1L		**¶97iii0804**
ISC	**III**	**04 08 41 09**±7.0	**36.5S**±.49	**177.8E**±.23	**12**		**7**	**1-4**
WEL	III	04 08 41 08.6	36.44S	177.94E	12	4.4L		**¶97iii0814**
WEL	**III**	**04 09 08 01.2**	**36.30S**	**177.48E**	**12**	**3.8L**		**¶97iii0819**
WEL	**III**	**04 09 24 12.4**	**36.19S**	**177.60E**	**12**	**4.4L**		**¶97iii0822**
ISC	**III**	**04 09 50 11**±11	**36.3S**±.83	**177.8E**±.30	**12**		**7**	**1-5**
WEL	III	04 09 50 11.5	36.15S	177.70E	12	4.4L		**¶97iii0823**
WEL	**III**	**04 14 18 52.2**	**36.23S**	**177.47E**	**12**	**3.9L**		**¶97iii0858**
ISC	**III**	**04 15 06 07**±6.8	**36.6S**±.48	**177.8E**±.22	**12**		**7**	**1-4**
WEL	III	04 15 06 05.6	36.39S	177.96E	12	3.9L		**¶97iii0874**
WEL	**III**	**04 15 45 05.5**	**36.34S**	**177.59E**	**12**	**3.8L**		**¶97iii0883**
WEL	**III**	**04 16 16 33.4**	**36.35S**	**177.66E**	**12**	**3.8L**		**¶97iii0889**
WEL	**III**	**04 23 35 20.0**	**36.36S**	**177.93E**	**12**	**3.8L**		**¶97iii0942**
ISC	**III**	**04 23 47 08**±1.8	**36.6S**±.13	**177.8E**±.18	**12**	4.4b	**9**	**1-41**
WEL	III	04 23 47 06.1	36.32S	177.91E	12	4.6L		**¶97iii0945**
WEL	**III**	**04 23 52 39.7**	**36.47S**	**178.11E**	**12**	**3.9L**		**¶97iii0947**
WEL	**III**	**05 04 46 59.4**	**36.24S**	**178.15E**	**12**	**4.0L**		**¶97iii0984**
WEL	**III**	**05 06 21 55.4**	**36.33S**	**177.76E**	**12**	**3.8L**		**¶97iii0998**
WEL	**III**	**05 06 56 24.5**	**36.22S**	**177.40E**	**12**	**3.9L**		**¶97iii1003**
WEL	**III**	**05 08 20 42.6**	**36.24S**	**177.91E**	**12**	**3.9L**		**¶97iii1017**
WEL	**III**	**05 09 21 38.6**	**36.22S**	**177.86E**	**12**	**4.1L**		**¶97iii1027**
WEL	**III**	**05 10 38 06.2**	**36.55S**	**177.81E**	**12**	**3.8L**		**¶97iii1040**
WEL	**III**	**05 11 31 14.4**	**36.12S**	**177.70E**	**12**	**3.8L**		**¶97iii1050**
WEL	**III**	**05 13 15 14.9**	**36.48S**	**177.91E**	**12**	**3.7L**		**¶97iii1065**
WEL	**III**	**05 13 56 40.5**	**36.41S**	**177.91E**	**12**	**3.9L**		**¶97iii1073**
WEL	**III**	**05 15 20 47.1**	**36.18S**	**177.91E**	**12**	**3.9L**		**¶97iii1086**
ISC	**III**	**05 16 00 00.0**±.99	**36.48S**±.081	**177.7E**±.14	**12**	**4.3b**	**20**	**1-150**
EIDC	III	05 15 59 59.4	36.6S	177.8E	0	4.3b		**¶97iii1092**
WEL	III	05 15 59 59.7	36.35S	177.87E	12	4.7L		
NEIC	III	05 16 00 03.3	36.64S	177.63E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**05 17 09 50**±1.7	**36.5S**±.16	**177.7E**±.29	**12**	**3.7b**	**9**	**1-92**
EIDC	III	05 17 09 48.8	36.2S	177.9E	0	3.8b		**¶97iii1103**
WEL	III	05 17 09 54.0	36.68S	177.88E	12	3.8L		
WEL	**III**	**05 17 20 41.1**	**36.19S**	**177.47E**	**12**	**3.7L**		**¶97iii1105**
WEL	**III**	**05 21 54 10.8**	**36.37S**	**177.68E**	**12**	**3.8L**		**¶97iii1134**
WEL	**III**	**06 03 57 16.3**	**36.41S**	**178.00E**	**12**	**3.8L**		**¶97iii1186**
ISC	**III**	**06 06 01 26**±7.2	**36.5S**±.20	**177.8E**±.17	**24**±50	**4.5b**,3.8s	**23**	**1-143**
WEL	III	06 06 01 22.0	36.25S	177.94E	12	5.0L		**¶97iii1210**
EIDC	III	06 06 01 22.6	36.5S	177.9E	0	4.5b,4.0s		
NEIC	III	06 06 01 27.2	36.66S	177.72E	33	4.6b		
NEIC	Less reliable solution.							
WEL	**III**	**06 08 26 12.5**	**36.32S**	**177.96E**	**12**	**3.8L**		**¶97iii1233**
ISC	**III**	**06 10 50 02.4**±.81	**38.28S**±.069	**178.1E**±.10	**103**±6.2	**4.9b**	**52**	**0-155**
EIDC	III	06 10 49 53.1	37.6S	178.0E	0	4.6b,3.8L		**¶97iii1253**
WEL	III	06 10 49 57.5	37.43S	178.41E	43	4.8L		
NEIC	III	06 10 50 00.0	37.72S	177.44E	33	4.9b		
NEIC	Poor solution.							
ISC	**III**	**06 17 57 48**±1.8	**36.4S**±.10	**178.3E**±.26	**12**	**3.6b**	**10**	**1-154**
EIDC	III	06 17 57 20.8	35.1S	177.5W	0	3.7b		**¶97iii1325**
WEL	III	06 17 57 51.5	36.39S	177.89E	12	3.9L		
WEL	**III**	**07 10 28 23.5**	**36.20S**	**177.49E**	**12**	**4.0L**		**¶97iii1500**
WEL	**III**	**07 18 53 34.7**	**36.31S**	**177.52E**	**12**	**3.7L**		**¶97iii1576**
WEL	**III**	**07 22 44 35.4**	**36.41S**	**177.82E**	**5**	**3.8L**		**¶97iii1616**
ISC	**III**	**08 02 16 25**±1.3	**37.7S**±.15	**177.0E**±.14	**154**		**13**	**1-6**
WEL	III	08 02 16 25.3	37.59S	177.08E	154	3.7L		**¶97iii1641**
WEL	**III**	**08 03 24 50.5**	**35.21S**	**178.14E**	**235**	**3.9L**		**¶97iii1659**
WEL	Poor station coverage.							
WEL	**III**	**08 04 29 07.7**	**36.25S**	**177.79E**	**12**	**3.8L**		**¶97iii1665**
WEL	**III**	**08 06 03 18.6**	**36.10S**	**177.70E**	**12**	**4.3L**		**¶97iii1680**
WEL	**III**	**08 06 19 12.5**	**36.46S**	**177.97E**	**12**	**3.9L**		**¶97iii1684**
WEL	**III**	**08 07 24 33.1**	**36.24S**	**177.50E**	**12**	**4.0L**		**¶97iii1695**
WEL	**III**	**08 16 37 29.0**	**36.35S**	**177.89E**	**12**	**4.0L**		**¶97iii1792**
WEL	**III**	**08 17 52 01.9**	**36.99S**	**177.43E**	**154**	**3.8L**		**¶97iii1804**
WEL	**III**	**09 15 16 29.8**	**36.29S**	**177.58E**	**12**	**3.7L**		**¶97iii2000**
ISC	**III**	**09 16 16 37**±7.3	**36.5S**±.51	**177.8E**±.25	**12**		**6**	**1-2**
WEL	III	09 16 16 37.2	36.43S	177.82E	12	4.1L		**¶97iii2019**
ISC	**III**	**09 17 01 33**±13	**36.5S**±.93	**177.7E**±.22	**12**		**6**	**1-4**
WEL	III	09 17 01 33.1	36.39S	177.87E	12	4.1L		**¶97iii2025**
ISC	**III**	**09 17 40 39**±2.1	**36.4S**±.14	**177.9E**±.27	**12**	**3.7b**	**8**	**1-112**
EIDC	III	09 17 40 10.6	39.0S	178.1W	0	3.9b		**¶97iii2033**
WEL	III	09 17 40 41.5	36.54S	178.10E	12	3.9L		
WEL	**III**	**10 13 20 52.9**	**36.50S**	**178.00E**	**12**	**3.7L**		**¶97iii2214**
ISC	**III**	**10 14 07 10**±1.3	**36.95S**±.097	**177.8E**±.12	**76**±11	**4.6b**	**49**	**1-154**
EIDC	III	10 14 06 57.2	36.6S	178.5E	0	4.8b,4.7s		**¶97iii2222**
WEL	III	10 14 07 02.8	36.37S	177.76E	12	5.3L		
NEIC	III	10 14 07 06.1	36.74S	177.66E	33	4.6b		
NEIC	Less reliable solution.							
WEL	**III**	**10 14 39 04.9**	**36.60S**	**177.85E**	**12**	**3.8L**		**¶97iii2232**
WEL	**III**	**10 15 11 46.9**	**36.45S**	**177.79E**	**12**	**3.9L**		**¶97iii2237**
WEL	**III**	**10 15 39 55.6**	**36.30S**	**177.88E**	**12**	**4.0L**		**¶97iii2240**
WEL	**III**	**10 19 07 35.9**	**36.52S**	**177.85E**	**12**	**3.7L**		**¶97iii2259**
WEL	**III**	**10 20 13 36.9**	**36.58S**	**177.80E**	**12**	**3.8L**		**¶97iii2266**
ISC	**III**	**11 00 31 51.5**±.94	**37.9S**±.12	**177.9E**±.11	**52**		**8**	**0-7**
WEL	III	11 00 31 51.9	37.87S	177.92E	52	4.4L		**¶97iii2290**
ISC	**III**	**12 05 03 58**±1.5	**37.8S**±.53	**177.1E**±.21	**144**		**4**	**0-1**
WEL	III	12 05 03 58.0	37.77S	177.13E	144	3.9L		**¶97iii2481**
ISC	Poorly determined							
ISC	**III**	**12 15 30 38**±1.3	**37.04S**±.078	**179.0E**±.15	**141**±7.2	**4.6b**	**90**	**1-176**
MOS	III	12 15 30 25.0	36.1S	179.3E	33	5.2b		**¶97iii2554**
NEIC	III	12 15 30 26.9	36.22S	179.45E	60	5.0b		
EIDC	III	12 15 30 27.9	36.2S	179.4E	60	4.3b,4.3s		
WEL	III	12 15 30 29.0	36.10S	179.50E	12	5.7L		
NEIC	Less reliable solution.							
WEL	Felt Whakatane.							
ISC	**III**	**17 01 56 34**±2.2	**41.1S**±.10	**176.2E**±.26	**62**±20		**13**	**0-4**
WEL	III	17 01 56 34.8	40.96S	176.14E	43	3.8L		**¶97iii3304**
ISC	**III**	**19 10 07 52**±2.6	**36.4S**±.19	**178.7E**±.32	**180**±14	3.7b	**17**	**1-154**
EIDC	III	19 10 07 31.2	35.2S	179.3E	0	4.0b		**¶97iii3684**
WEL	III	19 10 07 48.7	35.92S	178.94E	149	4.4L		
WEL	**III**	**19 22 08 21.1**	**37.35S**	**177.79E**	**103**	**3.9L**		**¶97iii3772**
ISC	**III**	**20 02 59 22**±3.6	**37.1S**±.51	**177.5E**±.24	**147**		**5**	**1-8**
WEL	III	20 02 59 22.5	37.19S	177.47E	147	3.7L		**¶97iii3820**
ISC	Poorly determined							
ISC	**III**	**21 16 20 53**±2.6	**37.7S**±.11	**177.2E**±.21	**178**±28		**14**	**1-7**
WEL	III	21 16 20 56.7	37.51S	177.22E	140	4.1L		**¶97iii4098**
ISC	**III**	**22 04 10 49.6**±.82	**37.86S**±.091	**177.79E**±.079	**26**		**9**	**0-3**
WEL	III	22 04 10 50.1	37.86S	177.81E	26	3.7L		**¶97iii4193**
ISC	**III**	**23 02 24 55**±1.6	**37.5S**±.23	**177.7E**±.23	**117**		**5**	**0-4**
WEL	III	23 02 24 55.1	37.45S	177.71E	117	3.7L		**¶97iii4365**
WEL	**III**	**24 00 42 48.1**	**37.49S**	**179.37E**	**12**	**3.8L**		**¶97iii4503**
ISC	**III**	**25 02 18 04.0**±.46	**37.25S**±.048	**177.61E**±.065	**128**±4.2	**5.1b**	**203**	**0-177**
BJI	III	25 02 18 00.5	37.11S	178.14E	115	5.5b		**¶97iii4660**
NEIC	III	25 02 18 00.8	37.02S	177.65E	100	5.2b		
EIDC	III	25 02 18 01.1	37.2S	177.9E	101	5.1b,4.3s		
WEL	III	25 02 18 04.7	37.03S	177.62E	111	5.9L		
HRVD	III	25 02 18 07.4±.3	36.94S±.04	177.22E±.05	136±1.6			
MOS	III	25 02 18 08.6	37.0S	177.5E	162	5.5b		
NEIC	Mw5.3(HRV)							
WEL	Felt Whakatane to Gisborne, maximum intensity I=IV MM							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c30; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.06±.38; $M_{\theta\theta}$−8.23±.89; $M_{\phi\phi}$0.18±.91; $M_{r\theta}$2.30±.39; $M_{r\phi}$6.27±.44; $M_{\theta\phi}$3.55±.68. Principal Axes: T 12.2,Plg58°,Azm290°; N −2.7, Plg32°,Azm110°; P −9.5,Plg0°,Azm200°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S318°, δ53°,λ131°. NP2:ϕ_S82°,δ53°,λ49°.							
WEL	**III**	**25 02 50 54.4**	**36.89S**	**177.39E**	**12**	**3.9L**		**¶97iii4663**
WEL	**III**	**25 04 54 22.4**	**36.47S**	**177.89E**	**12**	**3.7L**		**¶97iii4673**
ISC	**III**	**27 00 27 47**±5.1	**36.6S**±.57	**176.7E**±.41	**263**		**10**	**2-8**
WEL	III	27 00 27 53.0	37.28S	177.53E	263	3.7L		**¶97iii5101**
WEL	Poor station coverage.							
ISC	**III**	**27 05 26 47**±1.5	**37.5S**±.16	**177.7E**±.14	**127**		**20**	**0-6**
WEL	III	27 05 26 43.0	36.93S	177.67E	127	4.1L		**¶97iii5147**
WEL	**III**	**28 03 21 15.9**	**41.92S**	**177.74E**	**12**	**3.8L**		**¶97iii5353**
WEL	No Wellington net data.							
ISC	**III**	**29 00 25 04**±4.1	**38.6S**±.11	**178.9E**±.37	**28**±21		**13**	**1-7**
WEL	III	29 00 25 05.6	38.50S	178.83E	27	3.8L		**¶97iii5507**
ISC	**III**	**30 07 51 11**±1.1	**37.5S**±.15	**177.1E**±.18	**271**		**25**	**1-7**
WEL	III	30 07 51 09.9	37.10S	176.99E	271	4.1L		**¶97iii5721**
WEL	**III**	**31 07 27 57.3**	**36.08S**	**178.57E**	**12**	**3.8L**		**¶97iii5859**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**31 14 49 03**±1.1	**37.9S**±.12	**178.0E**±.16	**118**		**24**	**0-7**
WEL	III	31 14 48 59.4	37.11S	177.64E	118	4.1L		¶97iii5897
ISC	**IV**	**03 05 09 38**±2.7	**36.7S**±.23	**177.8E**±.18	**108**		**10**	**1-4**
WEL	IV	03 05 09 38.2	36.70S	177.86E	108	4.1L		¶97iv0383
ISC	**IV**	**08 02 04 16**±1.9	**37.5S**±.26	**177.4E**±.14	**117**		**6**	**1-3**
WEL	IV	08 02 04 14.1	37.07S	177.47E	117	3.8L		¶97iv1260
ISC	**IV**	**09 04 20 26**±1.8	**38.55S**±.056	**178.6E**±.20	**40**±9.1	**4.3b**	**34**	**1-151**
WEL	IV	09 04 20 32.2	38.29S	178.17E	31	4.3L		¶97iv1457
EIDC	IV	09 04 20 32.6	38.2S	177.1E	0	4.4b,3.3L		
NEIC	IV	09 04 20 37.6	38.39S	176.84E	33	4.4b		
NEIC	Poor solution.							
ISC	**IV**	**10 06 29 45**±5.1	**37.2S**±.36	**177.8E**±.21	**74**±40		**10**	**1-4**
WEL	IV	10 06 29 46.9	37.24S	177.76E	54	3.8L		¶97iv1643
WEL	**IV**	**12 05 12 45.8**	**38.00S**	**179.23E**	**12**	**3.7L**		¶97iv2009
ISC	**IV**	**12 10 20 14**±2.2	**37.2S**±.32	**177.4E**±.25	**201**		**6**	**1-7**
WEL	IV	12 10 20 14.6	37.26S	177.36E	201	3.7L		¶97iv2051
WEL	**IV**	**12 18 45 26.4**	**36.73S**	**178.23E**	**12**	**3.8L**		¶97iv2108
WEL	**IV**	**15 06 36 54.2**	**35.77S**	**178.92E**	**12**	**4.0L**		¶97iv2572
ISC	**IV**	**15 15 50 09**±10	**35.7S**±.47	**179.1E**±.84	**12**		**5**	**2-5**
WEL	IV	15 15 50 10.5	35.76S	179.18E	12	3.9L		¶97iv2621
ISC	**IV**	**16 17 03 55**±5.1	**36.4S**±.37	**177.8E**±.26	**12**		**9**	**1-5**
WEL	IV	16 17 03 56.1	36.37S	177.69E	12	4.2L		¶97iv2790
ISC	**IV**	**18 06 43 17.3**±.72	**37.98S**±.059	**177.4E**±.12	**141**±5.1	**4.1b**	**41**	**0-151**
EIDC	IV	18 06 42 58.3	38.7S	178.0E	0	4.2b		¶97iv3030
NEIC	IV	18 06 43 01.5	38.70S	178.02E	33	4.6b		
WEL	IV	18 06 43 20.0	37.67S	177.33E	110	4.9L		
NEIC	Poor solution.							
ISC	**IV**	**21 01 31 52**±1.4	**37.4S**±.15	**177.4E**±.10	**21**±21		**7**	**0-4**
WEL	IV	21 01 31 51.9	37.32S	177.38E	12	3.8L		¶97iv3384
WEL	**IV**	**21 14 30 30.6**	**35.98S**	**179.05E**	**12**	**3.9L**		¶97iv3502
ISC	**IV**	**21 19 23 58**±1.0	**37.8S**±.12	**177.4E**±.15	**162**		**21**	**1-7**
WEL	IV	21 19 23 55.6	37.20S	177.30E	162	4.1L		¶97iv3558
ISC	**IV**	**22 04 44 03**±1.1	**37.38S**±.088	**177.39E**±.095	**22**±12		**13**	**0-6**
WEL	IV	22 04 44 01.2	37.25S	177.40E	5	4.6L		¶97iv3641
ISC	**IV**	**22 14 30 49.8**±.91	**37.31S**±.075	**177.9E**±.16	**215**±5.4	**4.6b**	**72**	**0-155**
EIDC	IV	22 14 30 49.3	37.2S	178.0E	202	4.4b		¶97iv3765
WEL	IV	22 14 30 50.3	36.74S	177.59E	171	5.5L		
NEIC	IV	22 14 30 54.3	36.77S	176.94E	200	4.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 00 52 15**±1.2	**37.8S**±.18	**177.5E**±.20	**142**		**8**	**1-7**
WEL	IV	24 00 52 15.0	37.69S	177.49E	142	3.7L		¶97iv4052
WEL	**IV**	**24 20 50 15.7**	**37.89S**	**179.44E**	**12**	**4.1L**		¶97iv4207
ISC	**IV**	**25 20 32 33**±1.9	**40.08S**±.063	**177.1E**±.23	**33**		**16**	**1-3**
WEL	IV	25 20 32 34.6	40.05S	177.10E	33	3.8L		¶97iv4414
WEL	**IV**	**26 22 47 47.9**	**36.99S**	**177.50E**	**142**	**3.8L**		¶97iv4615
ISC	**IV**	**28 01 28 16**±1.5	**37.4S**±.23	**177.6E**±.24	**236**		**15**	**0-7**
WEL	IV	28 01 28 13.7	36.86S	177.32E	236	4.0L		¶97iv4823
ISC	**IV**	**28 06 19 48**±1.3	**37.6S**±.14	**177.8E**±.15	**154**		**19**	**0-7**
WEL	IV	28 06 19 45.6	37.10S	177.73E	154	4.1L		¶97iv4864
WEL	**IV**	**28 09 48 28.4**	**36.67S**	**178.57E**	**12**	**3.7L**		¶97iv4890
ISC	**IV**	**28 16 47 56**±5.0	**36.7S**±.38	**177.4E**±.16	**12**		**6**	**1-3**
WEL	IV	28 16 47 56.4	36.64S	177.50E	12	3.7L		¶97iv4956
WEL	**IV**	**28 17 34 55.4**	**35.66S**	**178.62E**	**224**	**3.7L**		¶97iv4961
ISC	**IV**	**29 06 17 51**±2.9	**37.8S**±.51	**177.6E**±.55	**129**		**4**	**1-3**
WEL	IV	29 06 17 50.9	37.61S	177.54E	129	3.8L		¶97iv5029
ISC	Poorly determined							
ISC	**V**	**02 06 31 09**±3.5	**35.9S**±.13	**179.4E**±.55	**278**	**3.7b**	**14**	**2-154**
EIDC	V	02 06 31 00.7	34.9S	179.2E	145	3.7b		¶97v0217
WEL	V	02 06 31 06.0	35.43S	179.23E	278	4.0L		
WEL	**V**	**02 21 26 25.4**	**36.43S**	**179.86E**	**12**	**3.8L**		¶97v0331
ISC	**V**	**05 07 56 12**±8.3	**37.5S**±.50	**178.2E**±.40	**149**±61		**9**	**0-4**
WEL	V	05 07 56 15.0	37.29S	177.79E	108	3.7L		¶97v0760
WEL	**V**	**06 13 22 42.9**	**35.51S**	**179.15E**	**188**	**4.1L**		¶97v0970
ISC	**V**	**06 14 41 15**±1.2	**37.4S**±.10	**177.5E**±.17	**221**±8.7	3.9b	**31**	**1-41**
WEL	V	06 14 41 16.5	36.99S	177.43E	178	4.3L		¶97v0975
WEL	**V**	**07 06 10 11.4**	**38.17S**	**178.20E**	**52**	**4.2L**		¶97v1058
ISC	**V**	**09 03 28 37**±3.5	**35.2S**±.19	**179.9E**±.46	**287**±15	**3.8b**	**34**	**3-153**
NEIC	V	09 03 28 17.6	33.78S	179.79W	100	4.3b		¶97v1352
EIDC	V	09 03 28 24.4	34.1S	179.9E	135	3.9b		
NEIC	Poor solution.							
ISC	**V**	**09 03 41 24**±1.2	**37.70S**±.098	**178.1E**±.15	**150**±8.3	**3.9b**	**34**	**0-145**
EIDC	V	09 03 41 22.0	45.3S	177.2E	202	3.4b		¶97v1354
WEL	V	09 03 41 24.3	37.13S	177.76E	112	4.6L		
ISC	**V**	**09 05 55 56.1**±.78	**36.90S**±.083	**177.2E**±.12	**228**±5.1	**4.1b**	**45**	**1-149**
NEIC	V	09 05 55 38.5	35.81S	178.08E	100	4.7b		¶97v1369
EIDC	V	09 05 55 41.9	35.9S	178.0E	114	4.1b,4.5L		
WEL	V	09 05 55 55.0	36.50S	177.57E	207	5.0L		
NEIC	Poor solution.							
ISC	**V**	**10 21 20 41**±2.0	**39.6S**±.10	**178.2E**±.21	**85**±19		**15**	**0-6**
WEL	V	10 21 20 44.6	39.45S	178.04E	60	4.3L		¶97v1665
ISC	**V**	**11 11 47 02**±3.5	**36.3S**±.23	**178.9E**±.47	**167**	3.3b	**7**	**1-144**
EIDC	V	11 11 46 43.1	36.1S	179.4E	0	3.5b		¶97v1776
WEL	V	11 11 47 05.5	36.59S	178.81E	167	3.9L		
WEL	**V**	**15 18 21 01.3**	**36.23S**	**179.92E**	**12**	**4.2L**		¶97v2658
ISC	**V**	**21 07 14 50**±2.3	**36.8S**±.26	**177.6E**±.23	**177**		**7**	**1-8**
WEL	V	21 07 14 48.1	36.46S	177.82E	177	4.2L		¶97v3527
WEL	**V**	**23 22 41 16.8**	**35.52S**	**178.65E**	**219**	**3.9L**		¶97v4013
WEL	**V**	**26 14 08 39.4**	**36.23S**	**177.77E**	**12**	**3.9L**		¶97v4424
WEL	**V**	**26 14 09 21.4**	**36.27S**	**177.75E**	**12**	**4.1L**		¶97v4425
ISC	**V**	**30 18 47 58**±1.9	**37.0S**±.15	**177.6E**±.17	**5**		**4**	**1-4**
WEL	V	30 18 47 59.2	37.03S	177.56E	5	3.8L		¶97v5078
ISC	Poorly determined							
WEL	**V**	**31 04 35 26.2**	**35.51S**	**178.89E**	**118**	**4.0L**		¶97v5150
ISC	**VI**	**03 09 45 02**±2.0	**39.4S**±.12	**177.6E**±.19	**12**		**10**	**1-6**
WEL	VI	03 09 45 04.4	39.26S	177.54E	12	4.1L		¶97vi0419
WEL	**VI**	**04 08 10 38.2**	**37.22S**	**177.04E**	**12**	**4.0L**		¶97vi0580
WEL	**VI**	**04 16 05 03.3**	**37.68S**	**179.29E**	**20**	**4.0L**		¶97vi0641
ISC	**VI**	**05 03 11 15**±1.0	**37.8S**±.12	**177.3E**±.14	**162**		**23**	**1-8**
WEL	VI	05 03 11 12.2	37.22S	177.22E	162	4.0L		¶97vi0703
ISC	**VI**	**09 13 41 04**±1.2	**37.8S**±.12	**177.4E**±.11	**92**		**20**	**1-7**
WEL	VI	09 13 41 01.3	37.08S	177.53E	92	3.9L		¶97vi1399
WEL	**VI**	**09 14 36 46.5**	**36.27S**	**178.50E**	**33**	**3.7L**		¶97vi1410
ISC	**VI**	**09 16 25 32**±1.0	**38.45S**±.060	**178.3E**±.14	**67**±7.4	**4.4b**	**37**	**0-151**
EIDC	VI	09 16 25 35.6	38.6S	178.1E	79	3.9b,3.8L		¶97vi1419
WEL	VI	09 16 25 37.0	37.97S	177.85E	33	4.6L		
ISC	**VI**	**13 14 06 24**±1.0	**37.65S**±.069	**177.2E**±.14	**182**±8.4	4.0b	**30**	**0-41**
WEL	VI	13 14 06 26.0	37.32S	177.20E	151	4.4L		¶97vi2000
WEL	**VI**	**15 10 36 55.6**	**37.56S**	**177.25E**	**152**	**3.8L**		¶97vi2281
WEL	**VI**	**16 05 47 07.5**	**35.93S**	**178.97E**	**267**	**4.1L**		¶97vi2408
ISC	**VI**	**16 09 37 33**±1.0	**37.7S**±.10	**177.6E**±.13	**150**		**31**	**0-10**
WEL	VI	16 09 37 29.4	36.85S	177.55E	150	4.8L		¶97vi2438
ISC	**VI**	**16 22 31 27**±3.1	**37.2S**±.22	**177.1E**±.14	**10**±24		**5**	**0-1**
WEL	VI	16 22 31 27.0	37.24S	177.06E	5	3.7L		¶97vi2516
ISC	Poorly determined							
ISC	**VI**	**18 00 05 25**±2.6	**37.7S**±.35	**177.3E**±.38	**223**		**8**	**1-4**
WEL	VI	18 00 05 22.4	37.25S	177.16E	223	4.2L		¶97vi2707
ISC	**VI**	**18 09 09 39**±3.0	**38.29S**±.085	**178.7E**±.30	**36**±12	**4.4b**	**23**	**0-51**
WEL	VI	18 09 09 42.9	38.22S	178.24E	12	4.5L		¶97vi2763
EIDC	VI	18 09 09 43.8	38.2S	177.4E	0	4.4b,3.6L		
WEL	Felt Tologa Bay.							
ISC	**VI**	**18 17 33 13**±4.3	**38.2S**±.23	**178.2E**±.71	**10**±41		**5**	**0-2**
WEL	VI	18 17 33 11.8	38.19S	178.34E	12	3.8L		¶97vi2813
ISC	Poorly determined							
ISC	**VI**	**20 19 21 41**±1.2	**37.2S**±.19	**177.1E**±.24	**304**		**22**	**0-7**
WEL	VI	20 19 21 38.6	36.70S	177.08E	304	4.4L		¶97vi3104
ISC	**VI**	**23 21 33 26**±5.1	**39.8S**±.14	**177.0E**±.38	**19**±28		**10**	**1-5**
WEL	VI	23 21 33 28.3	39.78S	176.95E	23	3.8L		¶97vi3593
WEL	**VI**	**25 23 32 26.1**	**36.99S**	**177.38E**	**150**	**3.7L**		¶97vi4043
WEL	**VI**	**26 18 17 14.4**	**35.02S**	**178.12E**	**209**	**3.9L**		¶97vi4184
WEL	**VI**	**26 18 28 53.7**	**38.00S**	**179.15E**	**62**	**4.0L**		¶97vi4187
ISC	**VI**	**27 21 49 00**±10	**35.4S**±.57	**178.8E**±.80	**33**		**5**	**2-6**
WEL	VI	27 21 49 04.8	35.47S	178.61E	33	4.3L		¶97vi4370
ISC	Poorly determined							
WEL	**VI**	**29 09 10 02.9**	**36.91S**	**177.51E**	**129**	**3.8L**		¶97vi4596

(161) Off west coast of South Island, N.Z.

WEL	**I**	**24 09 11 22.7**	**47.23S**	**165.55E**	**12**	**3.7L**		¶97i3626
WEL	**I**	**31 22 52 20.1**	**45.67S**	**165.07E**	**33**	**3.7L**		¶97i4686
ISC	**II**	**13 10 35 50**±7.0	**45.2S**±.24	**166.9E**±.58	**158**±57		**9**	**0-5**
WEL	II	13 10 35 56.9	45.15S	167.36E	100	3.7L		¶97ii1901
ISC	**II**	**20 11 10 14**±2.4	**48.3S**±.30	**165.5E**±.16	**33**	**4.1b**	**29**	**3-154**
EIDC	II	20 11 10 14.7	48.0S	165.1E	0	4.0b		¶97ii2915
ISC	**III**	**01 07 41 12**±5.4	**45.9S**±.13	**165.8E**±.58	**5**		**14**	**1-8**
WEL	III	01 07 41 20.5	45.94S	166.59E	5	4.2L		¶97iii0068
WEL	**IV**	**01 01 03 49.7**	**46.04S**	**165.59E**	**12**	**4.1L**		¶97iv0007
ISC	**V**	**02 01 02 03**±6.5	**45.09S**±.098	**166.0E**±.70	**12**		**9**	**1-5**
WEL	V	02 01 02 10.1	45.25S	166.56E	12	4.3L		¶97v0185
WEL	**V**	**14 09 30 15.9**	**46.24S**	**166.19E**	**12**	**3.9L**		¶97v2423
ISC	**V**	**26 10 50 08.7**±.30	**47.40S**±.048	**166.03E**±.051	**12**	**5.2b,3.8s**	**145**	**2-170**
BJI	V	26 10 50 11.2	47.40S	165.90E	33	5.5b		¶97v4400
NEIC	V	26 10 50 11.2	47.43S	165.96E	33	5.5b		
MOS	V	26 10 50 13.1	47.5S	165.6E	33	5.6b		
HRVD	V	26 10 50 14.5±.7	47.43S	165.96E	33			
EIDC	V	26 10 50 14.8	47.4S	165.9E	48	4.8b,3.5s		
WEL	V	26 10 50 15.0	47.27S	165.96E	12	5.5L		
NEIC	Mw5.2(HRV)							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c21; Half duration: 1^{s}1. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.25±1.01; $M_{\theta\theta}$4.90±.72; $M_{\phi\phi}$0.35±1.52; $M_{r\theta}$−1.17±1.17; $M_{r\phi}$−3.63±1.57; $M_{\theta\phi}$−4.40±1.06. Principal Axes: T 7.65,Plg4°,Azm33°; N 0.16,Plg34°,Azm126°; P −7.81,Plg56°,Azm296°. Best double couple: $M_0$7.7×10^{16}Nm, NP1: ϕ_s92°,δ50°,λ−137°. NP2:ϕ_s331°,δ58°,λ−49°.

WEL	Felt Invercargill.							
ISC	**V**	**26 20 15 02**±1.6	**47.0S**±.20	**165.9E**±.11	**33**	**4.1b**	**11**	**2-37**
WEL	V	26 20 15 01.4	47.20S	165.75E	33	4.4L		¶97v4463
ISC	**VI**	**17 20 04 39**±1.4	**40.9S**±.11	**172.8E**±.16	**251**±18		**23**	**1-6**
WEL	VI	17 20 04 42.9	41.03S	172.89E	218	4.1L		¶97vi2684

(162) South Island, New Zealand.

ISC	**I**	**04 06 36 00**±1.7	**45.0S**±.16	**167.5E**±.26	**122**		**6**	**1-2**
WEL	I	04 06 36 00.5	45.03S	167.46E	122	3.8L		¶97i0490
ISC	**I**	**04 13 08 13**±1.5	**44.9S**±.10	**167.4E**±.23	**113**		**16**	**1-7**
WEL	I	04 13 08 14.7	45.11S	167.32E	113	4.8L		¶97i0540
ISC	**I**	**10 04 26 15**±1.6	**44.9S**±.11	**167.4E**±.24	**104**		**10**	**1-4**
WEL	I	10 04 26 16.0	45.02S	167.39E	104	4.4L		¶97i1311
ISC	**I**	**11 18 49 48**±1.7	**45.0S**±.16	**167.6E**±.25	**123**		**6**	**1-2**
WEL	I	11 18 49 47.9	44.95S	167.54E	123	3.8L		¶97i1561
ISC	**I**	**13 21 49 21**±1.9	**45.3S**±.11	**167.2E**±.25	**50**		**9**	**0-5**
WEL	I	13 21 49 21.1	45.37S	167.07E	50	3.7L		¶97i1900
ISC	**I**	**16 08 22 46.3**±.72	**41.78S**±.065	**173.82E**±.079	**19**±11		**15**	**0-3**
WEL	I	16 08 22 46.6	41.72S	173.80E	15	3.8L		¶97i2276
ISC	**II**	**05 20 25 26**±1.7	**44.50S**±.077	**168.8E**±.13	**15**±20		**11**	**1-4**
WEL	II	05 20 25 26.7	44.50S	168.80E	12	3.9L		¶97ii0745
WEL	Felt I=IV MM Mt Aspiring Station							
ISC	**II**	**10 02 13 13**±3.1	**45.0S**±.36	**167.5E**±.33	**99**		**4**	**1-2**
WEL	II	10 02 13 13.7	45.04S	167.46E	99	3.7L		¶97ii1402
ISC	Poorly determined							
ISC	**II**	**12 11 49 30**±6.3	**45.1S**±.23	**167.3E**±.48	**152**±61		**8**	**0-5**
WEL	II	12 11 49 33.7	45.10S	167.44E	131	3.9L		¶97ii1753
ISC	**II**	**13 08 36 58**±1.2	**41.87S**±.097	**172.8E**±.11	**115**±23		**17**	**1-4**
WEL	II	13 08 36 59.9	41.84S	172.76E	82	3.8L		¶97ii1892
ISC	**II**	**14 06 51 25**±2.6	**44.0S**±.14	**167.4E**±.29	**12**		**9**	**1-4**
WEL	II	14 06 51 28.6	44.18S	167.59E	12	3.7L		¶97ii2034
ISC	**II**	**15 21 10 10.6**±.72	**41.77S**±.070	**173.10E**±.097	**116**±16		**26**	**1-6**
WEL	II	15 21 10 12.2	41.71S	173.05E	94	4.1L		¶97ii2294
ISC	**II**	**19 08 00 27.3**±.43	**42.36S**±.056	**172.72E**±.082	**12**		**23**	**1-5**
WEL	II	19 08 00 27.9	42.31S	172.68E	12	4.2L		¶97ii2749
ISC	**III**	**09 05 49 37.8**±.73	**41.34S**±.094	**173.2E**±.11	**116**		**15**	**0-2**
WEL	III	09 05 49 38.2	41.29S	173.18E	116	3.7L		¶97iii1913
ISC	**III**	**14 14 37 25.2**±.99	**43.05S**±.066	**171.30E**±.091	**16**±14		**13**	**0-4**
WEL	III	14 14 37 24.5	43.01S	171.33E	5	3.8L		¶97iii2898
ISC	**III**	**18 08 12 25.0**±.98	**43.15S**±.072	**171.41E**±.092	**17**±15		**10**	**1-3**
WEL	III	18 08 12 24.4	43.12S	171.42E	5	3.7L		¶97iii3507
WEL	Felt I=IV MM Coleridge							
ISC	**III**	**29 15 09 17**±4.0	**44.8S**±.16	**167.2E**±.37	**138**±46		**8**	**1-5**
WEL	III	29 15 09 21.6	44.99S	167.42E	106	3.8L		¶97iii5607
ISC	**IV**	**02 13 01 50**±2.2	**41.4S**±.15	**172.6E**±.20	**210**±25		**15**	**0-4**
WEL	IV	02 13 01 52.7	41.34S	172.58E	184	3.7L		¶97iv0249
ISC	**IV**	**03 03 39 11**±3.7	**44.9S**±.14	**167.3E**±.35	**109**±45		**8**	**1-5**
WEL	IV	03 03 39 13.9	45.01S	167.44E	88	3.8L		¶97iv0374
ISC	**IV**	**12 12 11 26**±3.4	**44.8S**±.13	**167.3E**±.35	**127**±37		**12**	**1-5**
WEL	IV	12 12 11 30.6	44.95S	167.49E	85	4.5L		¶97iv2063
ISC	**IV**	**12 19 26 07**±1.5	**43.00S**±.069	**171.88E**±.098	**13**±14		**10**	**0-3**
WEL	IV	12 19 26 07.6	42.96S	171.89E	12	3.7L		¶97iv2112
ISC	**IV**	**13 01 07 19.8**±.69	**42.67S**±.053	**172.22E**±.088	**20**±8.7		**19**	**0-8**
WEL	IV	13 01 07 20.3	42.65S	172.19E	9	4.1L		¶97iv2164
ISC	**IV**	**25 00 07 05.3**±.69	**41.64S**±.059	**173.7E**±.10	**91**±15		**25**	**0-6**
WEL	IV	25 00 07 07.3	41.54S	173.64E	69	4.2L		¶97iv4241

ISC	**IV**	**25 09 06 41.0**±.78	**41.84S**±.066	**173.8E**±.11	**101**±15		**23**	**0-5**
WEL	IV	25 09 06 43.3	41.77S	173.66E	78	4.3L		**¶97iv4312**
WEL	Felt Wellington, Blenheim and Picton.							
ISC	**V**	**17 05 57 01**±1.2	**42.22S**±.093	**171.3E**±.16	**12**		**11**	**1-4**
WEL	V	17 05 57 02.3	42.23S	171.31E	12	3.7L		**¶97v2889**
WEL	Felt Barrytown.							
ISC	**V**	**17 17 35 35**±4.2	**45.0S**±.17	**167.2E**±.42	**142**±44		**8**	**1-5**
WEL	V	17 17 35 39.6	45.09S	167.44E	112	3.8L		**¶97v2964**
ISC	**V**	**22 15 56 38**±2.4	**45.1S**±.21	**167.4E**±.30	**82**		**5**	**0-2**
WEL	V	22 15 56 38.5	45.17S	167.33E	82	3.7L		**¶97v3793**
ISC	**V**	**26 16 10 29.9**±.38	**41.50S**±.044	**173.55E**±.066	**81**	4.5b	**36**	**1-40**
WEL	V	26 16 10 31.3	41.48S	173.57E	81	4.6L		**¶97v4441**
WEL	Felt Wellington and Blenheim.							
ISC	**V**	**28 09 31 03**±2.0	**44.0S**±.11	**167.4E**±.25	**12**		**12**	**1-8**
WEL	V	28 09 31 06.6	44.18S	167.50E	12	4.5L		**¶97v4695**
ISC	**V**	**29 03 07 32**±2.1	**42.59S**±.078	**173.7E**±.12	**6**±15		**18**	**0-4**
WEL	V	29 03 07 33.5	42.57S	173.67E	5	4.0L		**¶97v4807**
WEL	Felt Kaikoura.							
WEL	**V**	**29 03 26 26.1**	**42.53S**	**173.67E**	**5**	**4.0L**		**¶97v4814**
ISC	**V**	**29 09 46 48**±1.7	**42.59S**±.068	**173.73E**±.099	**8**±12		**25**	**0-5**
WEL	V	29 09 46 49.1	42.55S	173.68E	5	4.3L		**¶97v4850**
WEL	Felt Kaikoura.							
ISC	**VI**	**01 03 59 46**±1.1	**44.04S**±.079	**168.7E**±.15	**5**		**12**	**1-4**
WEL	VI	01 03 59 48.2	44.17S	168.80E	5	4.3L		**¶97vi0018**
ISC	**VI**	**02 01 09 41.6**±.60	**45.17S**±.058	**167.20E**±.084	**66**±8.7	**4.1b**	**33**	**0-149**
WEL	VI	02 01 09 42.8	45.23S	167.08E	57	4.6L		**¶97vi0156**
NEIC	VI	02 01 09 44.3	45.18S	167.17E	100	4.1b		
EIDC	VI	02 01 09 45.5	45.1S	167.2E	96	3.9b,3.4s		
WEL	Felt Mt Luxmore.							
NEIC	Less reliable solution.							
ISC	**VI**	**05 16 17 32**±2.5	**41.2S**±.14	**172.4E**±.17	**258**±26		**22**	**0-4**
WEL	VI	05 16 17 36.6	41.26S	172.58E	224	4.1L		**¶97vi0802**
ISC	**VI**	**11 16 02 21**±2.4	**45.0S**±.11	**167.2E**±.29	**77**±34		**13**	**0-8**
WEL	VI	11 16 02 24.3	45.13S	167.33E	50	4.3L		**¶97vi1715**
ISC	**VI**	**20 13 19 46**±1.9	**41.06S**±.089	**173.2E**±.16	**151**±27		**17**	**1-4**
WEL	VI	20 13 19 49.3	41.06S	173.29E	125	3.8L		**¶97vi3064**
ISC	**VI**	**22 03 45 12**±1.6	**45.65S**±.099	**167.2E**±.22	**74**		**10**	**0-5**
WEL	VI	22 03 45 10.8	45.74S	166.81E	74	4.1L		**¶97vi3320**
ISC	**VI**	**29 22 15 36**±1.4	**44.9S**±.12	**167.6E**±.20	**96**		**10**	**0-4**
WEL	VI	29 22 15 37.2	45.00S	167.53E	96	4.1L		**¶97vi4670**
ISC	**VI**	**30 11 20 34.5**±.98	**44.48S**±.073	**169.9E**±.11	**15**±7.7		**11**	**0-3**
WEL	VI	30 11 20 35.0	44.47S	169.94E	10	4.0L		**¶97vi4751**
WEL	Felt Twizel.							

(163) Cook Strait, New Zealand.

ISC	**I**	**03 15 49 53**±1.3	**40.34S**±.062	**174.3E**±.14	**104**±24		**18**	**1-4**
WEL	I	03 15 49 55.1	40.30S	174.24E	80	3.7L		**¶97i0400**
ISC	**I**	**23 05 25 20.7**±.83	**41.94S**±.081	**174.3E**±.11	**82**±14		**21**	**0-4**
WEL	I	23 05 25 23.4	41.87S	174.27E	49	3.8L		**¶97i3440**
ISC	**II**	**20 12 11 46.0**±.67	**41.86S**±.067	**174.6E**±.10	**47**±19		**24**	**0-5**
WEL	II	20 12 11 47.8	41.72S	174.52E	31	4.0L		**¶97ii2923**
WEL	Felt Eastbourne and Hutt Valley.							
ISC	**II**	**24 20 18 31**±2.5	**40.41S**±.085	**173.5E**±.14	**167**±31		**18**	**0-4**
WEL	II	24 20 18 35.6	40.40S	173.65E	121	3.9L		**¶97ii3535**
ISC	**III**	**03 00 52 54**±1.3	**40.15S**±.039	**173.9E**±.11	**5**±12		**18**	**1-3**
WEL	III	03 00 52 54.5	40.17S	173.84E	5	4.0L		**¶97iii0436**
ISC	**III**	**14 04 08 36.2**±.71	**40.13S**±.038	**174.98E**±.092	**22**±9.9		**19**	**0-3**
WEL	III	14 04 08 36.3	40.13S	174.99E	12	4.0L		**¶97iii2810**
ISC	**III**	**15 19 49 40.8**±.54	**40.46S**±.048	**174.10E**±.095	**102**±9.8	4.0b	**26**	**0-40**
WEL	III	15 19 49 42.7	40.43S	174.18E	89	4.1L		**¶97iii3100**
ISC	**III**	**29 14 13 52.4**±.75	**40.31S**±.072	**173.4E**±.13	**181**		**22**	**1-4**
WEL	III	29 14 13 53.9	40.34S	173.44E	181	3.9L		**¶97iii5600**
ISC	**IV**	**01 13 26 56.4**±.45	**40.19S**±.046	**173.28E**±.079	**155**	4.5b	**39**	**1-50**
WEL	IV	01 13 26 59.2	40.23S	173.57E	155	4.8L		**¶97iv0074**
WEL	Felt Paekakariki and Plimmerton.							
ISC	**IV**	**02 01 18 10.6**±.77	**41.14S**±.055	**174.6E**±.10	**95**±11		**26**	**0-6**
WEL	IV	02 01 18 13.8	41.05S	174.58E	62	4.0L		**¶97iv0169**
ISC	**IV**	**17 03 42 04**±1.3	**41.74S**±.088	**174.8E**±.12	**32**±9.6		**16**	**0-3**
WEL	IV	17 03 42 04.7	41.65S	174.82E	29	3.7L		**¶97iv2849**
WEL	Felt Stoke.							
ISC	**IV**	**23 08 50 26.6**±.44	**40.10S**±.036	**174.86E**±.085	**33**		**20**	**1-3**
WEL	IV	23 08 50 27.3	40.09S	174.89E	33	3.7L		**¶97iv3923**
ISC	**IV**	**24 21 42 41.1**±.79	**40.80S**±.048	**174.79E**±.063	**5**±9.5		**22**	**0-4**
WEL	IV	24 21 42 41.5	40.81S	174.77E	5	3.9L		**¶97iv4213**
ISC	**V**	**12 05 28 03.9**±.68	**40.52S**±.083	**173.4E**±.15	**134**		**16**	**1-5**
WEL	V	12 05 28 05.8	40.48S	173.50E	134	4.0L		**¶97v1898**
ISC	**VI**	**19 08 55 05.6**±.31	**41.22S**±.039	**174.44E**±.069	**59**±5.3	**4.9b**,3.3s	**63**	**0-164**
EIDC	VI	19 08 55 02.5	40.7S	174.7E	18	4.8b,3.7s		**¶97vi2888**
NEIC	VI	19 08 55 03.6	40.85S	174.47E	33	4.7b		
MOS	VI	19 08 55 06.1	40.9S	174.1E	33	4.8b		
WEL	VI	19 08 55 07.6	41.12S	174.51E	38	5.1L		
NEIC	Less reliable solution.							
NEIC	Felt from southern Taranaki on the North Island to the northern part of the South Island.							
WEL	Felt central North Island to Blenheim, maximum intensity I=V MM at Pinehaven.							
ISC	**VI**	**20 15 36 32.3**±.30	**41.19S**±.034	**174.39E**±.058	**49**±4.9	**4.8b,4.0s**	**96**	**0-178**
BJI	VI	20 15 36 30.0	41.28S	174.56E	48			**¶97vi3077**
EIDC	VI	20 15 36 30.3	40.8S	174.6E	23	5.0b,4.0s		
NEIC	VI	20 15 36 31.8	41.10S	174.27E	37	4.8b		
MOS	VI	20 15 36 32.6	40.9S	174.2E	33	5.0b		
WEL	VI	20 15 36 34.1	41.15S	174.50E	34	5.4L		
NEIC	Felt at Wanganui and along the southwestern coast of the North Island.							
WEL	Felt Kakahi to Blenheim, maximum intensity I=V MM at Pinehaven.							
ISC	**VI**	**21 06 44 19.8**±.67	**41.22S**±.054	**174.48E**±.078	**47**±16		**20**	**0-4**
WEL	VI	21 06 44 20.8	41.16S	174.52E	38	3.8L		**¶97vi3170**
WEL	Felt I=IV MM Tawa, Wellington							
ISC	**VI**	**24 01 53 01.2**±.38	**41.24S**±.046	**174.47E**±.078	**59**±6.7	**4.3b**	**37**	**0-152**
EIDC	VI	24 01 52 56.4	40.9S	174.4E	0	4.3b,3.8L		**¶97vi3618**
NEIC	VI	24 01 53 00.3	41.01S	174.27E	33	4.4b		
WEL	VI	24 01 53 03.3	41.16S	174.51E	35	4.3L		
NEIC	Poor solution.							
WEL	Felt I=IV MM Wellington and Lower Hutt.							

(164) Off east coast of South Island, N.Z.

ISC	**II**	**03 02 07 14.9**±.81	**42.23S**±.083	**174.3E**±.13	**57**±21		**21**	**0-5**
WEL	II	03 02 07 16.0	42.18S	174.30E	29	4.1L		**¶97ii0306**
ISC	**IV**	**15 12 05 57**±7.1	**42.2S**±.39	**179.3E**±.53	**12**		**16**	**3-5**
WEL	IV	15 12 06 11.9	41.73S	178.10E	12	3.7L		**¶97iv2599**
ISC	**VI**	**06 16 06 54**±1.1	**43.71S**±.077	**175.5E**±.13	**33**		**38**	**2-7**
WEL	VI	06 16 06 58.8	43.52S	175.22E	33	4.6L		**¶97vi0956**

(165) North of Macquarie Island.

EIDC	**I**	**19 00 55 02.2**	**49.7S**	**160.4E**	**0**	**3.9b**		**23-130**
								¶97i2752

(166) Auckland Islands region.

ISC	**I**	**24 23 59 52**±3.6	**49.9S**±.46	**163.1E**±.31	**10**	**4.2b**	**17**	**5-154**
NEIC	I	24 23 59 48.9	50.46S	162.72E	10	4.1b		**¶97i3708**
EIDC	I	24 23 59 49.3	50.1S	163.4E	0	4.2b		
NEIC	Poor solution.							

(167) Macquarie Island region.

NEIC	**IV**	**09 16 50 13.8**	**60.98S**	**160.92E**	**10**	**4.1b**		**17-146**
EIDC	IV	09 16 50 13.8	61.1S	160.5E	0	4.0s,3.7b		**¶97iv1557**
NEIC	Poor solution.							
ISC	**V**	**11 09 33 33.9**±.46	**57.10S**±.058	**157.6E**±.11	**10**	**4.8b,4.2s**	**78**	**3-159**
NEIC	V	11 09 33 32.8	57.13S	157.81E	10	4.8b		**¶97v1765**
MOS	V	11 09 33 33.1	57.1S	157.9E	10	4.7b		
EIDC	V	11 09 33 38.7	57.1S	157.5E	37	4.4b,4.2s		
ISC	**VI**	**06 08 40 45.6**±.36	**57.59S**±.048	**157.8E**±.12	**10**	**4.7b,5.0s**	**86**	**3-163**
EIDC	VI	06 08 40 45.9	57.5S	157.8E	0	4.7b,4.8s		**¶97vi0915**
NEIC	VI	06 08 40 46.0	57.58S	157.67E	10	5.0b,5.0s		
MOS	VI	06 08 40 46.9	57.6S	157.5E	10	5.4b,4.8s		
HRVD	VI	06 08 40 50.2±.2	57.57S±.02	157.40E±.04	15			
NEIC	Mw5.6(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c89; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.14±.04; $M_{\theta\theta}$−0.47±.05; $M_{\phi\phi}$0.61±.05; $M_{r\theta}$−0.31±.13; $M_{r\phi}$−0.49±.14; $M_{\theta\phi}$2.27±.04. Principal Axes: T 2.53,Plg12°,Azm128°; N −0.26,Plg78°,Azm316°; P −2.27,Plg2°,Azm219°. Best double couple: $M_0$2.4×10^{17}Nm, NP1: ϕ_S264°,δ80°,λ8°. NP2:ϕ_S173°,δ83°,λ170°.							

SEISMIC REGION 12.
KERMADEC-TONGA-SAMOA AREA.

(169) Samoa region.

EIDC	**I**	**01 17 46 23.9**	**15.5S**	**169.3W**	**0**	**4.1b**		**47-54**
								¶97i0094
EIDC	**I**	**02 21 57 40.5**	**14.3S**	**167.3W**	**0**	**3.9b**		**50-56**
								¶97i0277
EIDC	**I**	**07 18 36 30.7**	**16.2S**	**165.8W**	**0**	**3.9b**		**50-57**
								¶97i0963
EIDC	**I**	**08 02 37 00.4**	**14.8S**	**173.6W**	**0**	**4.1b**		**44-50**
								¶97i1011
EIDC	**I**	**10 18 09 23.3**	**16.3S**	**168.5W**	**0**	**3.7b**		**48-54**
								¶97i1404
ISC	**I**	**11 11 03 26**±2.1	**15.0S**±.69	**174.7W**±.53	**33**	**4.1b**	**7**	**43-83**
EIDC	I	11 11 03 22.6	14.8S	174.8W	0	4.1b		**¶97i1511**
EIDC	**I**	**14 21 55 57.1**	**14.2S**	**176.0W**	**0**	**3.6b**		**48-90**
								¶97i2065
ISC	**I**	**16 08 25 00**±2.2	**14.4S**±.71	**175.9W**±.56	**33**	**4.0b**	**6**	**42-83**
EIDC	I	16 08 24 56.3	14.4S	175.9W	0	4.2b		**¶97i2277**
EIDC	**I**	**16 10 32 28.4**	**15.5S**	**172.4W**	**0**	**4.3b**		**45-51**
								¶97i2295
EIDC	**I**	**16 19 39 33.9**	**14.7S**	**173.8W**	**0**	**3.9b**		**50-82**
								¶97i2348
EIDC	**I**	**20 12 59 19.1**	**11.9S**	**170.1W**	**0**	**4.0b**		**49-54**
								¶97i3003
ISC	**I**	**29 20 08 47**±4.2	**16.0S**±.94	**172.4W**±.89	**33**	**3.9b**	**5**	**39-83**
EIDC	I	29 20 08 44.5	15.8S	172.6W	0	4.0b		**¶97i4393**
ISC	**II**	**04 16 21 41**±1.0	**16.5S**±.32	**172.4W**±.21	**51**±4.7*	**4.2b**	**15**	**3-94**
NEIC	II	04 16 21 39.0	16.53S	172.38W	33	4.3b		**¶97ii0562**
EIDC	II	04 16 21 42.8	16.5S	172.4W	52	4.0b		
NEIC	Poor solution.							
ISC	**II**	**05 08 05 47**±2.4	**15.9S**±.80	**172.9W**±.63	**33**	**3.8b**	**5**	**44-83**
EIDC	II	05 08 05 43.6	15.9S	172.8W	0	3.8b		**¶97ii0655**
ISC	**II**	**08 07 15 52**±1.6	**14.8S**±.62	**173.9W**±.45	**33**	**3.7b**	**10**	**2-145**
EIDC	II	08 07 15 47.2	15.2S	173.6W	0	3.8b		**¶97ii1109**
NEIC	II	08 07 15 51.7	14.84S	173.91W	33	3.4b		
NEIC	Poor solution.							
EIDC	**II**	**08 21 40 45.0**	**15.1S**	**170.7W**	**0**	**4.2b**		**46-53**
								¶97ii1210
EIDC	**II**	**21 20 19 23.6**	**15.2S**	**169.7W**	**0**	**4.4b**		**44-54**
								¶97ii3116
ISC	**II**	**24 22 59 10**±1.4	**14.9S**±.47	**174.9W**±.32	**33**	**4.0b,4.4s**	**11**	**3-145**
EIDC	II	24 22 59 05.0	15.2S	174.7W	0	4.4s,4.0b		**¶97ii3549**
NEIC	II	24 22 59 08.9	15.07S	174.86W	33	4.6b		
NEIC	Poor solution.							
EIDC	**III**	**02 03 52 31.1**	**16.3S**	**168.9W**	**0**	**3.7b**		**47-54**
								¶97iii0235
EIDC	**III**	**02 16 24 14.6**	**15.1S**	**166.8W**	**0**	**4.2b**		**50-56**
								¶97iii0350
ISC	**III**	**06 10 52 03.4**±.37	**15.8S**±.11	**172.91W**±.070	**33**	**4.6b,4.6s**	**91**	**2-165**
EIDC	III	06 10 52 00.3	15.4S	173.1W	0	4.4b,4.5s		**¶97iii1255**
NEIC	III	06 10 52 04.1	15.47S	173.11W	33	4.7b,4.7s		
MOS	III	06 10 52 05.6	15.8S	173.0W	33	5.0b		
BJI	III	06 10 52 06.5	15.13S	173.05W	43	5.0b		
NEIC	Less reliable solution.							
EIDC	**III**	**09 17 51 45.8**	**16.9S**	**165.6W**	**0**	**4.2b**		**46-57**
								¶97iii2036
EIDC	**III**	**13 10 46 42.3**	**17.0S**	**168.2W**	**0**	**4.3b**		**48-54**
								¶97iii2685
ISC	**III**	**13 19 37 15**±1.4	**15.2S**±.45	**172.0W**±.34	**33**	**3.7b**	**9**	**45-146**
EIDC	III	13 19 37 12.4	14.8S	172.3W	0	3.8b		**¶97iii2754**
NEIC	III	13 19 37 15.7	15.07S	172.11W	33	3.8b		
NEIC	Poor solution.							
EIDC	**III**	**14 22 38 45.2**	**12.2S**	**167.9W**	**0**	**3.7b**		**50-78**
								¶97iii2956
EIDC	**III**	**17 17 04 10.4**	**15.3S**	**169.6W**	**0**	**4.4b**		**40-54**
								¶97iii3404
EIDC	**III**	**29 11 03 35.4**	**14.5S**	**167.8W**	**0**	**4.1b**,4.3s		**49-56**
								¶97iii5576
ISC	**IV**	**18 01 59 38.2**±.58	**14.8S**±.21	**173.8W**±.16	**33**	**4.2b**,2.8s	**21**	**44-145**
EIDC	IV	18 01 59 34.6	14.7S	173.7W	0	4.1b,3.1s		**¶97iv3011**
NEIC	IV	18 01 59 38.0	14.78S	173.74W	33	4.3b		
NEIC	Less reliable solution.							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC IV	**27 12 20 18.2**	**13.2S**	**165.2W**	**0**	**3.8b**		**58-79**
							¶97iv4721
EIDC IV	**30 05 23 51.1**	**16.5S**	**168.5W**	**0**	**4.0b**		**54-83**
							¶97iv5169
ISC V	**22 12 06 59.2**±.29	**15.26S**±.068	**172.95W**±.084	**33**	**4.4b**	**65**	**2-165**
EIDC V	22 12 06 54.4	15.2S	172.7W	0	4.3b,3.9L		**¶97v3768**
NEIC V	22 12 06 58.9	15.38S	172.88W	33	4.6b		
NEIC Less reliable solution.							
ISC V	**22 14 50 35**±1.0	**14.2S**±.34	**173.9W**±.15	**33**	**4.0b**	**5**	**2-89**
NEIC V	22 14 50 34.6	14.26S	173.85W	33			**¶97v3786**
EIDC V	22 14 50 39.5	14.4S	173.5W	74	3.6b,3.7L		
NEIC Poor solution.							
ISC V	**23 04 10 15.1**±.45	**15.4S**±.12	**172.91W**±.093	**33**	**4.7b,4.3s**	**69**	**2-146**
EIDC V	23 04 10 05.3	16.3S	172.4W	0	4.4b,4.3s		**¶97v3882**
BJI V	23 04 10 11.2	15.31S	172.00W	33	5.2b,4.9s		
NEIC V	23 04 10 11.7	16.15S	172.90W	33	4.8b		
MOS V	23 04 10 14.7	15.2S	173.1W	33	4.9b		
NEIC Less reliable solution.							
ISC V	**23 08 15 57.8**±.39	**15.0S**±.14	**173.7W**±.12	**33**	**4.4b,4.0s**	**41**	**2-165**
EIDC V	23 08 15 54.0	15.1S	173.6W	0	4.2b,4.0s		**¶97v3915**
NEIC V	23 08 15 57.8	15.01S	173.69W	33	4.5b		
NEIC Less reliable solution.							
ISC V	**27 09 27 12.8**±.26	**15.49S**±.063	**172.97W**±.076	**33**	**4.6b,5.4s**	**143**	**2-165**
EIDC V	27 09 27 09.2	15.3S	173.2W	0	4.6b,5.0s		**¶97v4548**
NEIC V	27 09 27 12.8	15.40S	173.06W	33	4.6b,5.4s		
BJI V	27 09 27 13.7	15.16S	172.85W	30	5.0b,5.5s		
MOS V	27 09 27 15.6	15.4S	173.6W	33	5.0b		
HRVD V	27 09 27 16.7±.6	15.66S±.09	172.40W±.10	17±4.4			
NEIC Mw5.6(HRV), Less reliable solution.							
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c25; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}3.37±.27; $M_{\theta\theta}$−0.28±.52; $M_{\phi\phi}$−3.09±.35; $M_{r\theta}$−0.36±.86; $M_{r\phi}$−0.02±.93; $M_{\theta\phi}$0.28±.21. Principal Axes: T 3.41,Plg84°,Azm176°; N −0.29,Plg6°,Azm354°; P −3.12,Plg0°,Azm84°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S180°,δ45°,λ98°. NP2:ϕ_S349°,δ45°,λ82°.							
EIDC V	**28 04 35 03.0**	**14.9S**	**167.1W**	**0**	**4.2b**		**5-56**
							¶97v4656
EIDC V	**28 06 44 40.8**	**15.7S**	**172.8W**	**0**	**3.7b**		**44-83**
							¶97v4670
ISC V	**28 16 38 09**±1.3	**15.8S**±.31	**172.6W**±.31	**63**±1.0*	**3.6b**	**6**	**2-82**
NEIC V	28 16 38 08.8	15.84S	172.64W	63			**¶97v4745**
EIDC V	28 16 38 11.4	15.5S	172.8W	67	3.3b,3.4s		
NEIC Poor solution.							
ISC V	**30 22 54 32**±1.1	**15.0S**±.28	**172.8W**±.26	**33**	**3.8b**	**6**	**2-146**
EIDC V	30 22 54 28.8	15.0S	172.8W	0	3.8b,3.0L		**¶97v5110**
NEIC V	30 22 54 31.7	15.04S	172.84W	33			
NEIC Poor solution.							
ISC V	**30 23 31 40.5**±.68	**15.7S**±.23	**172.9W**±.19	**33**	**4.1b**,3.0s	**20**	**2-149**
EIDC V	30 23 31 37.0	15.4S	173.0W	0	4.1b,3.0s		**¶97v5113**
NEIC V	30 23 31 40.4	15.71S	172.98W	33			
NEIC Poor solution.							
ISC V	**31 06 30 06**±2.5	**14.7S**±.63	**174.1W**±.41	**101**±31	**3.7b**	**7**	**2-82**
EIDC V	31 06 29 54.9	14.5S	174.0W	0	3.6b		**¶97v5159**
EIDC VI	**02 18 47 00.6**	**16.5S**	**171.4W**	**0**	**4.0b**		**45-97**
							¶97vi0285
NEIC VI	**10 02 19 09.5**	**14.09S**	**175.56W**	**33**			**48-149**
EIDC VI	10 02 19 09.2	14.3S	176.0W	0	4.2b		**¶97vi1465**
NEIC Poor solution.							
ISC VI	**12 02 14 07**±2.1	**14.6S**±.76	**174.3W**±.48	**33**	**3.6b**	**7**	**3-145**
EIDC VI	12 02 14 04.0	14.5S	174.3W	0	3.6b		**¶97vi1789**
EIDC VI	**12 14 37 57.3**	**16.4S**	**169.3W**	**0**	**4.2b**		**42-54**
							¶97vi1859
ISC VI	**17 12 35 45**±1.6	**14.8S**±.39	**175.8W**±.25	**296**±22	**3.9b**	**18**	**4-163**
NEIC VI	17 12 35 44.6	14.81S	175.75W	300	4.1b		**¶97vi2632**
EIDC VI	17 12 35 45.9	15.0S	175.6W	304	3.4b		
NEIC Less reliable solution.							
ISC VI	**24 22 26 13**±1.7	**14.8S**±.71	**173.3W**±.38	**33**	**3.6b**	**7**	**2-146**
EIDC VI	24 22 26 09.5	14.7S	173.3W	0	3.7b,4.3L		**¶97vi3791**
ISC VI	**25 01 47 21**±2.0	**16.1S**±.11	**173.0W**±.10	**39**±17	**4.6b**,4.6s	**85**	**2-164**
EIDC VI	25 01 47 16.4	16.0S	173.0W	0	4.4b,4.4s		**¶97vi3828**
NEIC VI	25 01 47 20.1	16.05S	172.98W	33	4.8b		
MOS VI	25 01 47 21.3	16.0S	172.9W	33	4.9b		
BJI VI	25 01 47 22.0	16.33S	173.21W	31	5.0b		
NEIC Less reliable solution.							
ISC VI	**25 03 54 12.2**±.20	**16.07S**±.049	**172.97W**±.047	**33**±2.6*	**5.0b,5.4s**	**343**	**2-165**
NEIC VI	25 03 54 12.2	16.02S	173.05W	33	5.1b,5.4s		**¶97vi3838**
EIDC VI	25 03 54 12.6	15.9S	172.9W	26	4.7b,5.4s		
BJI VI	25 03 54 13.5	16.02S	173.03W	36	5.1b,5.5s		
MOS VI	25 03 54 15.8	16.0S	173.8W	33	5.6b,5.3s		
HRVD VI	25 03 54 17.7±.1	15.98S±.02	172.45W±.02	15			
NEIC Mw5.8(HRV).							
NEIC M0=1.2×10^{18}Nm (PPT).							
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c104; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}4.41±.06; $M_{\theta\theta}$−0.46±.07; $M_{\phi\phi}$−3.95±.08; $M_{r\theta}$1.98±.19; $M_{r\phi}$3.89±.22; $M_{\theta\phi}$−0.42±.06. Principal Axes: T 6.36,Plg66°,Azm306°; N −0.64, Plg8°,Azm197°; P −5.72,Plg23°,Azm104°. Best double couple: $M_0$6.0×10^{17}Nm, NP1: ϕ_S177°,δ23°,λ68°. NP2:ϕ_S21°,δ68°,λ99°.							
ISC VI	**26 12 22 59.9**±.54	**16.0S**±.15	**172.9W**±.13	**33**	**4.3b**	**24**	**2-147**
EIDC VI	26 12 22 56.7	15.8S	172.9W	0	4.1b,3.9L		**¶97vi4140**
NEIC VI	26 12 22 59.9	16.04S	172.93W	33	4.4b		
NEIC Less reliable solution.							
ISC VI	**29 12 31 08**±1.1	**14.8S**±.34	**176.0W**±.14	**33**	**3.9b**	**6**	**4-84**
EIDC VI	29 12 31 05.4	14.9S	176.0W	0	3.9b,3.3L		**¶97vi4626**

(170) Samoa.

ISC I	**03 12 21 51.4**±.70	**15.0S**±.26	**172.6W**±.19	**33**	**3.9b**	**12**	**45-146**
EIDC I	03 12 21 47.7	15.0S	172.5W	0	3.9b		**¶97i0370**
NEIC I	03 12 21 51.3	15.01S	172.58W	33			
NEIC Less reliable solution.							
EIDC I	**06 17 59 57.9**	**14.3S**	**169.1W**	**0**	**3.7b**		**48-54**
							¶97i0819
EIDC I	**10 12 48 59.1**	**14.5S**	**169.0W**	**0**	**4.2b**		**48-54**
							¶97i1364
EIDC I	**12 16 18 44.9**	**15.0S**	**171.6W**	**503**	**2.6b**		**46-52**
							¶97i1709
EIDC I	**31 19 03 41.9**	**15.0S**	**170.0W**	**0**	**4.1b**		**47-53**
							¶97i4662
EIDC III	**16 16 19 32.5**	**14.8S**	**170.6W**	**0**	**4.1b**		**41-64**
							¶97iii3244
EIDC IV	**10 07 35 01.5**	**13.9S**	**169.0W**	**0**	**3.8b**		**54-80**
							¶97iv1653
EIDC VI	**11 13 31 33.2**	**14.6S**	**170.1W**	**0**	**4.5b**		**40-60**
							¶97vi1694
EIDC VI	**20 17 30 10.9**	**14.9S**	**171.5W**	**0**	**3.9b**		**46-52**
							¶97vi3091
ISC VI	**30 14 32 45**±3.2	**14.7S**±.27	**172.3W**±.22	**5**±17	**4.1b,4.0s**	**16**	**1-146**
BJI VI	30 14 32 47.6	14.50S	172.50W	24			**¶97vi4773**
NEIC VI	30 14 32 47.6	14.52S	172.45W	24	4.5b		
EIDC VI	30 14 32 48.8	14.6S	172.3W	22	3.9b,4.0s		
NEIC Less reliable solution.							

(171) South of Fiji.

ISC I	**01 19 57 10**±1.6	**23.88S**±.096	**180.0E**±.10	**582**±19	**4.7b**	**90**	**13-158**
NEIC I	01 19 57 11.4	23.71S	179.78E	600	4.9b		**¶97i0111**
EIDC I	01 19 57 13.9	23.6S	179.8E	620	3.7b		
NEIC Less reliable solution.							
ISC I	**02 02 57 52.4**±.68	**23.93S**±.043	**179.87W**±.042	**508**±8.8	**4.9b**	**212**	**6-164**
BJI I	02 02 57 47.4	24.20S	178.84W	500	5.1b		**¶97i0153**
MOS I	02 02 57 51.4	23.7S	179.9W	496	5.3b		
NEIC I	02 02 57 51.6	23.86S	179.87W	500	5.1b		
EIDC I	02 02 57 52.6	23.9S	179.8W	504	4.3b		
HRVD I	02 02 57 58.7±1.2	23.66S±.18	179.58W±.16	528±4.3			
NEIC Mw5.4(HRV).							
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c13; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}5.21±1.30; $M_{\theta\theta}$−2.82±1.27; $M_{\phi\phi}$−2.39±1.52; $M_{r\theta}$−5.30±1.17; $M_{r\phi}$−9.96±.89; $M_{\theta\phi}$−1.03±1.73. Principal Axes: T 13.0, Plg55°,Azm115°; N −1.8,Plg3°,Azm210°; P −11.2,Plg34°,Azm303°. Best double couple: $M_0$1.2×10^{17}Nm, NP1:ϕ_S48°,δ11°,λ108°. NP2:ϕ_S210°,δ80°,λ87°.							
EIDC I	**03 01 26 14.5**	**25.8S**	**178.6W**	**0**	**4.0b**		**33-90**
							¶97i0297
ISC I	**04 22 49 05**±2.6	**22.4S**±.53	**177.2W**±.43	**33**	**4.4b**	**12**	**34-150**
EIDC I	04 22 49 01.0	22.5S	177.1W	0	4.4b		**¶97i0591**
ISC I	**06 06 25 17**±1.0	**19.2S**±.22	**177.6E**±.18	**33**	**4.4b**	**49**	**30-155**
EIDC I	06 06 25 12.0	19.3S	177.8E	0	4.5b		**¶97i0755**
NEIC I	06 06 25 16.6	19.16S	177.53E	33	4.6b		
MOS I	06 06 25 21.9	18.8S	176.8E	33	4.6b		
NEIC Poor solution.							
ISC I	**06 13 00 35**±2.6	**24.1S**±.53	**179.8E**±.44	**550**	**4.1b**	**13**	**28-143**
NEIC I	06 13 00 33.3	24.32S	179.96W	550	4.3b		**¶97i0787**
EIDC I	06 13 00 36.6	24.5S	180.0W	579	3.4b		
NEIC Poor solution.							
ISC I	**06 23 21 14**±1.2	**22.07S**±.074	**179.51W**±.054	**583**±17	**4.6b**	**199**	**13-164**
MOS I	06 23 21 11.1	21.9S	179.5W	539	4.8b		**¶97i0850**
NEIC I	06 23 21 15.4	22.07S	179.55W	600	4.8b		
EIDC I	06 23 21 17.4	21.9S	179.6W	610	3.9b		
BJI I	06 23 21 21.2	21.30S	179.38E	600	4.6b		
EIDC I	**07 06 26 39.5**	**23.0S**	**177.5W**	**435**	**3.5b**		**31-49**
							¶97i0888
ISC I	**09 15 15 42**±1.1	**23.87S**±.064	**179.87W**±.049	**499**±14	**4.7b**	**141**	**6-164**
EIDC I	09 15 15 42.2	23.7S	179.9W	484	4.1b		**¶97i1238**
NEIC I	09 15 15 42.8	23.78S	179.94W	500	4.8b		
BJI I	09 15 15 42.9	23.62S	179.80W	497	5.0b		
ISC I	**14 19 01 50.2**±.75	**25.6S**±.11	**179.5E**±.17	**600**	**3.7b**	**19**	**11-152**
NEIC I	14 19 01 51.5	25.08S	179.32E	600			**¶97i2040**
EIDC I	14 19 01 54.1	24.9S	179.3E	612	3.1b		
NEIC Poor solution.							
ISC I	**16 09 31 21**±1.9	**22.3S**±.86	**176.2W**±.44	**33**	**3.9b**	**5**	**39-92**
EIDC I	16 09 31 18.4	21.7S	176.4W	0	3.9b		**¶97i2286**
ISC I	**16 10 41 19**±4.7	**27.0S**±.30	**176.8W**±.51	**227**±16	**4.3b**	**24**	**2-146**
EIDC I	16 10 40 54.9	26.9S	176.7W	0	4.7b		**¶97i2296**
NEIC I	16 10 40 58.2	26.97S	176.64W	33	4.8b		
NEIC Poor solution.							
ISC I	**16 12 13 52**±1.8	**25.1S**±.81	**179.6E**±.32	**550**	**3.9b**	**7**	**31-91**
EIDC I	16 12 13 54.7	25.0S	179.6E	574	3.3b		**¶97i2308**
ISC I	**16 16 13 15**±3.2	**22.4S**±.25	**179.8W**±.27	**692**±39	**4.4b**	**27**	**13-152**
EIDC I	16 16 13 05.9	22.3S	179.4W	548	3.6b		**¶97i2335**
NEIC I	16 16 13 08.5	22.30S	179.59W	600	4.7b		
NEIC Poor solution.							
ISC I	**16 23 00 29**±3.0	**24.3S**±.28	**179.6E**±.23	**580**±33	**4.3b**	**23**	**12-149**
NEIC I	16 23 00 23.6	23.99S	179.72E	500	4.5b		**¶97i2372**
EIDC I	16 23 00 25.2	24.1S	179.8E	513	3.7b		
NEIC Poor solution.							
ISC I	**17 05 00 49.6**±.75	**22.1S**±.18	**179.6W**±.16	**550**	**4.4b**	**30**	**29-151**
NEIC I	17 05 00 49.7	22.09S	179.62W	550	4.8b		**¶97i2400**
EIDC I	17 05 00 51.8	22.1S	179.6W	561	3.7b		
NEIC Less reliable solution.							
ISC I	**18 02 09 45**±1.6	**24.0S**±.76	**179.8E**±.35	**500**	**3.7b**	**8**	**31-101**
EIDC I	18 02 08 54.9	23.0S	179.7W	0	4.0b		**¶97i2579**
NEIC I	18 02 09 45.4	23.89S	179.72E	500	3.8b		
NEIC Poor solution.							
ISC I	**18 18 20 19**±2.5	**25.2S**±.12	**179.0W**±.11	**332**±25	**4.3b**	**77**	**13-159**
EIDC I	18 18 20 33.0	25.1S	179.3W	469	3.8b		**¶97i2698**
BJI I	18 18 20 35.1	25.20S	179.40W	500	4.8b		
NEIC I	18 18 20 35.1	25.22S	179.42W	500	4.7b		
NEIC Less reliable solution.							
ISC I	**19 01 00 46**±1.8	**24.9S**±.81	**179.4W**±.33	**33**	**4.4b**	**7**	**32-90**
EIDC I	19 01 00 43.7	24.1S	179.6W	0	4.1b		**¶97i2755**
ISC I	**20 12 25 43**±1.4	**25.3S**±.38	**177.7W**±.26	**200**	**3.5b**	**11**	**36-155**
EIDC I	20 12 25 19.9	25.5S	177.2W	0	4.0b		**¶97i3000**
NEIC I	20 12 25 42.7	25.21S	177.65W	200			
NEIC Poor solution.							
ISC I	**20 17 22 05**±1.6	**24.5S**±.11	**179.7E**±.11	**562**±19	**4.5b**	**55**	**12-158**
EIDC I	20 17 22 05.1	24.1S	179.6E	552	3.8b		**¶97i3051**
NEIC I	20 17 22 08.6	24.34S	179.39E	600	4.7b		
NEIC Less reliable solution.							
ISC I	**21 03 44 34**±1.8	**23.6S**±.59	**176.1W**±.33	**100**	**3.9b**	**10**	**35-161**
EIDC I	21 03 44 22.1	23.8S	175.8W	0	4.1b		**¶97i3131**
NEIC I	21 03 44 33.9	23.79S	176.05W	100	3.9b		
NEIC Poor solution.							
ISC I	**22 07 29 10**±1.4	**22.6S**±.46	**179.7W**±.29	**600**	**4.1b**	**12**	**29-91**
NEIC I	22 07 29 10.0	22.63S	179.72W	600	4.3b		**¶97i3291**
EIDC I	22 07 29 13.3	22.5S	179.9W	619	3.3b		
NEIC Poor solution.							
EIDC I	**23 07 15 06.7**	**24.1S**	**177.1W**	**0**	**4.1b**		**37-143**
							¶97i3455
ISC I	**23 09 49 13**±2.7	**24.4S**±.23	**179.8E**±.19	**596**±32	**4.3b**	**21**	**12-143**
NEIC I	23 09 49 13.4	24.36S	179.80E	600	4.4b		**¶97i3474**
EIDC I	23 09 49 20.3	24.5S	179.6E	671	3.5b		
NEIC Less reliable solution.							

ISC	**I**	**23 12 19 04**±4.1	**19.5S**±.96	**177.0E**±.83	**33**	**3.5b**	**4**	**34-88**
EIDC	I	23 12 19 00.4	19.3S	177.0E	0	3.6b		**¶97i3495**
ISC		Poorly determined						
ISC	**I**	**23 14 58 01.1**±.98	**25.19S**±.069	**179.0W**±.11	**401**±11	**4.3b**	**44**	**4-154**
NEIC	I	23 14 58 10.0	24.99S	179.30W	500	4.6b		**¶97i3515**
EIDC	I	23 14 58 14.9	25.0S	179.4W	542	3.7b		
NEIC		Less reliable solution.						
ISC	**I**	**25 00 03 32**±4.2	**25.8S**±.78	**177.4W**±.73	**100**	**3.8b**	**6**	**36-145**
EIDC	I	25 00 03 18.3	25.9S	176.9W	0	3.9b		**¶97i3710**
NEIC	I	25 00 03 29.6	26.16S	177.03W	100			
ISC		Poorly determined						
NEIC		Poor solution.						
ISC	**I**	**27 00 50 05**±1.5	**26.3S**±.14	**177.5W**±.26	**100**	**4.3b**	**15**	**3-154**
NEIC	I	27 00 49 54.0	26.89S	176.93W	33			**¶97i4026**
EIDC	I	27 00 49 57.4	26.7S	177.1W	37	4.2b		
NEIC		Poor solution.						
ISC	**I**	**28 14 11 33**±1.6	**26.9S**±.11	**176.95W**±.076	**61**±15	**4.4b**	**50**	**2-160**
EIDC	I	28 14 11 25.2	26.8S	176.9W	0	4.4b,3.9s		**¶97i4217**
BJI	I	28 14 11 37.2	26.80S	177.10W	100			
NEIC	I	28 14 11 37.2	26.79S	177.10W	100	4.6b		
NEIC		Less reliable solution.						
ISC	**I**	**28 16 20 07.3**±.99	**24.4S**±.26	**179.7E**±.19	**600**	**4.2b**	**19**	**26-154**
NEIC	I	28 16 20 06.4	24.35S	179.85E	600	4.3b		**¶97i4224**
EIDC	I	28 16 20 12.0	24.4S	179.6E	647	3.3b		
NEIC		Poor solution.						
ISC	**I**	**29 18 19 29.1**±.76	**24.08S**±.048	**178.89E**±.066	**550**±10	**4.8b**	**197**	**6-164**
EIDC	I	29 18 19 28.0	24.1S	179.0E	530	4.2b		**¶97i4384**
BJI	I	29 18 19 33.3	23.65S	178.57E	578	4.8b		
NEIC	I	29 18 19 33.6	24.00S	178.65E	600	5.1b		
HRVD	I	29 18 19 34.7±1.0	23.84S±.09	178.85E±.09	584±3.9			
MOS	I	29 18 19 35.6	24.0S	178.5E	614	5.4b		
NEIC		Mw5.3(HRV).						

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s13,c15; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.82±.65; $M_{\theta\theta}$4.04±1.10; $M_{\phi\phi}$3.78±1.45; $M_{r\theta}$−4.25±.96; $M_{r\phi}$6.16±1.00; $M_{\theta\phi}$0.90±.93. Principal Axes: T 6.9,Plg27°,Azm241°; N 4.8, Plg2°,Azm150°; P −11.6,Plg63°,Azm55°. Best double couple: $M_0$9.2×10^{16}Nm, NP1:ϕ_S337°, δ18°,λ−82°. NP2:ϕ_S149°,δ72°,λ−93°.

ISC	**I**	**29 20 29 32**±4.5	**24.5S**±.29	**178.6E**±.20	**688**±64	**4.1b**	**20**	**17-149**
NEIC	I	29 20 29 29.2	24.24S	178.64E	650	4.3b		**¶97i4399**
EIDC	I	29 20 29 33.2	24.5S	178.5E	678	3.3b		
NEIC		Less reliable solution.						
ISC	**I**	**29 23 15 36**±1.3	**24.4S**±.26	**179.3E**±.21	**600**	**4.0b**	**14**	**24-143**
NEIC	I	29 23 15 31.2	24.50S	179.59E	550	4.2b		**¶97i4413**
EIDC	I	29 23 15 40.2	24.4S	179.2E	635	3.2b		
NEIC		Poor solution.						
ISC	**I**	**30 03 26 24**±1.3	**24.9S**±.30	**179.1E**±.23	**700**	**4.3b**	**21**	**27-154**
EIDC	I	30 03 26 17.2	24.8S	179.6E	593	3.7b		**¶97i4433**
NEIC	I	30 03 26 20.7	24.86S	179.25E	650	4.5b		
NEIC		Poor solution.						
ISC	**I**	**31 07 55 21**±1.4	**23.1S**±.41	**177.0W**±.26	**33**	**3.8b**	**9**	**38-153**
EIDC	I	31 07 55 15.5	23.6S	176.8W	0	3.9b		**¶97i4601**
ISC	**II**	**01 13 30 12**±4.1	**23.4S**±.20	**179.8W**±.15	**504**±50	**3.8b**	**46**	**15-158**
EIDC	II	01 13 30 21.0	23.3S	179.9E	592	3.3b		**¶97ii0076**
EIDC	**II**	**02 02 04 39.0**	**20.3S**	**179.0E**	**0**	**3.5b**		**42-58**
								¶97ii0157
ISC	**II**	**02 08 58 08**±1.7	**24.3S**±.81	**179.6E**±.33	**650**	**3.7b**	**7**	**31-91**
NEIC	II	02 08 58 07.9	24.30S	179.56E	650	3.8b		**¶97ii0200**
EIDC	II	02 08 58 08.8	24.3S	179.6E	648	3.0b		
NEIC		Poor solution.						
ISC	**II**	**05 06 35 13.3**±.78	**25.4S**±.12	**179.7E**±.16	**650**	**3.8b**	**15**	**16-154**
NEIC	II	05 06 35 14.5	24.93S	179.44E	650	4.1b		**¶97ii0648**
EIDC	II	05 06 35 14.5	24.9S	179.5E	631	3.2b		
NEIC		Poor solution.						
ISC	**II**	**05 19 30 26**±1.3	**25.21S**±.075	**179.07W**±.087	**410**±14	**4.5b**	**102**	**4-161**
MOS	II	05 19 29 52.2	25.1S	178.2W	109	5.5b		**¶97ii0740**
BJI	II	05 19 30 29.7	24.93S	179.27W	435	4.5b		
NEIC	II	05 19 30 29.9	25.08S	179.21W	450	4.8b		
EIDC	II	05 19 30 30.8	25.0S	179.2W	447	4.0b		
NEIC		Less reliable solution.						
ISC	**II**	**07 04 39 48**±4.1	**23.4S**±.25	**179.7E**±.31	**639**±52	**3.5b**	**10**	**12-142**
EIDC	II	07 04 39 53.0	23.4S	179.6E	700	2.9b		**¶97ii0944**
ISC	**II**	**07 05 29 33**±1.9	**24.9S**±.13	**179.6E**±.12	**564**±24	**4.2b**	**30**	**12-161**
NEIC	II	07 05 29 35.7	24.96S	179.51E	600	4.5b		**¶97ii0948**
EIDC	II	07 05 29 38.6	24.8S	179.5E	620	3.5b		
NEIC		Less reliable solution.						
ISC	**II**	**07 05 38 06.0**±.51	**23.97S**±.082	**179.9E**±.13	**600**	**3.8b**	**23**	**14-143**
NEIC	II	07 05 38 06.3	23.81S	179.86E	600	3.8b		**¶97ii0950**
EIDC	II	07 05 38 11.1	24.1S	179.9E	663	3.1b		
NEIC		Less reliable solution.						
EIDC	**II**	**07 06 31 01.0**	**20.3S**	**178.1E**	**0**	**3.8b**		**41-89**
								¶97ii0955
ISC	**II**	**10 07 46 49**±1.9	**24.4S**±.15	**179.9E**±.31	**500**	**4.0b**	**18**	**14-143**
EIDC	II	10 07 46 45.9	24.9S	179.4W	508	3.5b		**¶97ii1433**
NEIC	II	10 07 46 46.2	24.62S	179.71W	500	4.5b		
NEIC		Poor solution.						
NEIC	**II**	**10 16 16 11.2**	**24.89S**	**179.49W**	**400**	3.8b		**13-143**
EIDC	II	10 16 15 24.6	24.5S	178.3W	0	4.3b		**¶97ii1487**
NEIC		Poor solution.						
ISC	**II**	**12 02 12 51**±3.7	**23.5S**±.90	**179.6W**±.52	**600**	**3.9b**	**7**	**13-92**
EIDC	II	12 02 13 03.0	22.7S	179.6E	700	2.9b		**¶97ii1707**
ISC	**II**	**14 03 26 49**±1.9	**24.6S**±.14	**179.6E**±.15	**581**±26	**3.7b**	**28**	**12-154**
EIDC	II	14 03 26 43.2	24.1S	179.7E	506	3.2b		**¶97ii2015**
NEIC	II	14 03 26 46.1	24.40S	179.63E	550	4.0b		
NEIC		Poor solution.						
ISC	**II**	**15 22 52 09**±3.0	**23.5S**±.22	**179.7E**±.22	**630**±40	**4.1b**	**25**	**12-157**
NEIC	II	15 22 51 59.5	23.04S	179.86E	500	4.3b		**¶97ii2305**
EIDC	II	15 22 52 03.2	23.3S	179.9E	536	3.6b		
NEIC		Less reliable solution.						
ISC	**II**	**17 22 51 21**±5.0	**25.7S**±.29	**179.9E**±.30	**501**±50	**4.2b**	**19**	**13-153**
NEIC	II	17 22 51 15.9	25.58S	179.90W	450	4.7b		**¶97ii2561**
EIDC	II	17 22 51 19.3	25.6S	180.0W	476	3.7b		
NEIC		Poor solution.						
ISC	**II**	**18 07 27 37**±1.9	**23.5S**±.23	**176.3W**±.29	**100**	**4.3b**	**9**	**35-79**
EIDC	II	18 07 27 36.6	23.5S	176.3W	79	4.1b		**¶97ii2616**
NEIC	II	18 07 27 38.1	23.47S	176.47W	100	4.4b		
NEIC		Poor solution.						
ISC	**II**	**18 12 22 15**±1.7	**24.8S**±.49	**179.4E**±.32	**500**	**3.5b**	**6**	**34-93**
EIDC	II	18 12 21 22.9	24.0S	179.8W	0	3.9b		**¶97ii2643**
NEIC	II	18 12 22 14.5	24.79S	179.39E	500			
NEIC		Poor solution.						
ISC	**II**	**18 22 48 47**±1.0	**25.41S**±.063	**179.70E**±.048	**512**±13	**4.9b**	**160**	**12-165**
EIDC	II	18 22 48 44.9	25.3S	179.8E	481	4.5b		**¶97ii2699**
NEIC	II	18 22 48 46.2	25.31S	179.64E	500	5.0b		
MOS	II	18 22 48 46.6	25.2S	179.6E	500	5.0b		
BJI	II	18 22 48 47.6	25.01S	179.45E	500	4.8b		
ISC	**II**	**20 08 11 06**±1.7	**24.0S**±.59	**179.5E**±.31	**600**	**4.1b**	**10**	**31-151**
NEIC	II	20 08 11 06.5	24.01S	179.44E	600	4.3b		**¶97ii2898**
EIDC	II	20 08 11 11.4	24.2S	179.4E	649	3.3b		
ISC	**II**	**20 21 21 36**±2.4	**23.8S**±.15	**179.86W**±.081	**576**±33	**4.8b**	**64**	**15-154**
BJI	II	20 21 21 30.8	23.35S	179.72W	512	4.5b		**¶97ii2978**
EIDC	II	20 21 21 31.9	23.6S	179.7W	516	4.1b		
NEIC	II	20 21 21 34.1	23.63S	179.90W	550	4.9b		
EIDC	**II**	**21 00 57 36.8**	**25.4S**	**177.8W**	**0**	3.4b		**4-158**
								¶97ii2996
EIDC	**II**	**21 07 49 13.3**	**26.1S**	**178.1W**	**0**	**3.7b**		**43-154**
								¶97ii3036
ISC	**II**	**22 12 05 13**±5.2	**23.0S**±.20	**177.5W**±.17	**296**±53	**3.7b**	**20**	**15-162**
EIDC	II	22 12 04 41.3	22.2S	177.3W	0	4.1b		**¶97ii3200**
NEIC	II	22 12 05 03.1	22.74S	177.45W	200	4.2b		
NEIC		Poor solution.						
ISC	**II**	**26 07 11 09**±5.6	**24.4S**±.58	**179.5E**±.47	**607**±57	**4.0b**	**10**	**12-93**
EIDC	II	26 07 10 09.6	23.4S	179.7W	0	4.1b		**¶97ii3759**
NEIC	II	26 07 11 08.0	24.47S	179.50E	600	4.2b		
NEIC		Poor solution.						
ISC	**II**	**26 08 37 56**±1.5	**26.8S**±.21	**176.4W**±.27	**33**	**3.7b**	**7**	**3-146**
EIDC	II	26 08 37 52.1	27.3S	176.2W	0	3.7b		**¶97ii3769**
EIDC	**II**	**26 17 49 45.4**	**21.4S**	**179.5E**	**0**	**3.7b**		**35-42**
								¶97ii3834
ISC	**II**	**27 05 25 04.8**±.74	**22.9S**±.20	**177.0W**±.14	**300**	**3.7b**	**15**	**15-151**
EIDC	II	27 05 24 32.0	22.4S	176.8W	0	4.1b,4.0s		**¶97ii3906**
NEIC	II	27 05 24 43.7	22.80S	176.83W	100	4.3b		
NEIC		Poor solution.						
ISC	**III**	**01 09 24 05**±1.8	**23.9S**±.65	**179.5W**±.35	**33**	**4.2b**	**8**	**32-92**
EIDC	III	01 09 24 01.8	23.8S	179.5W	0	4.2b		**¶97iii0084**
ISC	**III**	**02 08 46 23**±2.3	**23.7S**±.16	**180.0W**±.13	**602**±32	**4.3b**	**22**	**13-93**
NEIC	III	02 08 46 23.5	23.36S	179.81E	600	4.5b		**¶97iii0269**
EIDC	III	02 08 46 25.3	23.3S	179.8E	607	3.5b		
NEIC		Less reliable solution.						
ISC	**III**	**03 01 57 54**±3.8	**24.2S**±.33	**179.5E**±.32	**621**±43	**4.3b**	**19**	**12-101**
NEIC	III	03 01 57 55.5	24.34S	179.40E	650	4.5b		**¶97iii0443**
EIDC	III	03 01 57 59.8	24.2S	179.3E	686	3.3b		
NEIC		Poor solution.						
ISC	**III**	**03 18 58 17.7**±.99	**22.8S**±.24	**176.7W**±.18	**33**	**4.3b**	**13**	**10-92**
EIDC	III	03 18 58 14.0	22.9S	176.5W	0	4.2b		**¶97iii0662**
NEIC	III	03 18 58 17.8	23.01S	176.67W	33	4.1b		
NEIC		Poor solution.						
ISC	**III**	**04 07 41 12.0**±.73	**26.39S**±.072	**178.34E**±.090	**632**±12	**4.4b**	**75**	**4-161**
EIDC	III	04 07 41 12.1	26.3S	178.4E	617	3.7b		**¶97iii0805**
NEIC	III	04 07 41 13.5	26.39S	178.22E	650	4.5b		
NEIC		Less reliable solution.						
ISC	**III**	**05 02 44 36**±1.8	**23.5S**±.10	**179.64E**±.085	**583**±26	**4.3b**	**117**	**12-164**
EIDC	III	05 02 44 32.1	23.2S	179.7E	528	3.7b		**¶97iii0965**
NEIC	III	05 02 44 33.3	23.27S	179.64E	550	4.5b		
EIDC	**III**	**07 03 42 55.5**	**24.5S**	**179.0W**	**0**	**3.9b**		**43-155**
								¶97iii1426
EIDC	**III**	**07 04 06 15.5**	**22.2S**	**176.7W**	**0**	**4.0b**		**16-97**
								¶97iii1434
ISC	**III**	**07 08 54 56**±1.3	**19.2S**±.34	**180.0E**±.14	**33**	**3.8b**	**6**	**19-88**
EIDC	III	07 08 54 48.8	18.6S	179.6W	0	3.9b		**¶97iii1482**
ISC	**III**	**07 10 10 10**±3.3	**23.2S**±.43	**176.3W**±.58	**47**±1.0*	**4.6b,4.0s**	**27**	**6-151**
BJI	III	07 10 10 13.2	23.00S	176.80W	46	4.9b		**¶97iii1497**
NEIC	III	07 10 10 13.2	22.99S	176.83W	46	4.7b		
EIDC	III	07 10 10 19.2	22.1S	177.6W	46	4.1b,4.0s		
NEIC		Poor solution.						
ISC	**III**	**09 07 34 24.4**±.63	**26.0S**±.14	**178.9W**±.10	**400**	**4.2b**	**29**	**12-153**
NEIC	III	09 07 34 24.1	25.98S	178.86W	400	4.6b		**¶97iii1931**
EIDC	III	09 07 34 27.1	26.0S	179.0W	410	3.7b		
NEIC		Less reliable solution.						
EIDC	**III**	**12 05 19 48.9**	**22.9S**	**179.6E**	**700**	**3.0b**		**31-42**
								¶97iii2482
ISC	**III**	**13 00 32 54.1**±.86	**23.1S**±.10	**178.9W**±.14	**33**	**4.2b**	**14**	**11-55**
EIDC	III	13 00 32 53.8	22.9S	179.3W	0	4.2b,4.8L		**¶97iii2614**
ISC	**III**	**15 12 16 58**±1.3	**23.8S**±.51	**179.8W**±.27	**500**	**3.9b**	**15**	**31-142**
NEIC	III	15 12 16 57.9	23.78S	179.81W	500	4.1b		**¶97iii3049**
EIDC	III	15 12 16 59.0	23.7S	179.8W	503	3.3b		
NEIC		Poor solution.						
ISC	**III**	**15 21 47 57**±2.3	**24.3S**±.44	**180.0E**±.40	**550**	**4.3b**	**17**	**28-154**
NEIC	III	15 21 47 57.4	24.21S	179.90E	550	4.3b		**¶97iii3113**
EIDC	III	15 21 47 57.5	24.3S	180.0E	541	3.6b		
NEIC		Poor solution.						
ISC	**III**	**15 23 37 55**±1.5	**24.4S**±.56	**179.8E**±.28	**600**	**4.1b**	**9**	**31-91**
NEIC	III	15 23 37 55.3	24.34S	179.74E	600	4.2b		**¶97iii3129**
EIDC	III	15 23 38 00.2	24.3S	179.6E	650	3.3b		
NEIC		Poor solution.						
ISC	**III**	**18 05 32 50**±1.7	**21.7S**±.23	**176.3E**±.34	**33**	**3.8b**	**5**	**39-96**
EIDC	III	18 05 32 46.2	21.6S	176.3E	0	3.7b		**¶97iii3492**
ISC	**III**	**18 16 06 45**±1.4	**22.6S**±.42	**177.4W**±.25	**150**	**3.9b**	**17**	**34-157**
EIDC	III	18 16 06 29.4	22.0S	177.5W	0	4.1b		**¶97iii3563**
NEIC	III	18 16 06 45.0	22.66S	177.36W	150	3.9b		
NEIC		Poor solution.						
ISC	**III**	**19 01 27 41**±2.1	**25.7S**±.74	**178.7W**±.27	**250**	**3.9b**	**9**	**33-150**
EIDC	III	19 01 27 12.2	26.0S	178.1W	0	4.3b		**¶97iii3609**
NEIC	III	19 01 27 41.3	25.70S	178.75W	250			
NEIC		Poor solution.						
ISC	**III**	**19 08 09 59**±2.5	**25.5S**±.15	**180.0E**±.13	**476**±35	**3.9b**	**17**	**14-144**
NEIC	III	19 08 09 59.4	25.51S	179.99E	481	4.3b		**¶97iii3664**
EIDC	III	19 08 10 01.8	25.6S	179.9E	494	3.3b		
NEIC		Less reliable solution.						
ISC	**III**	**19 20 50 34**±1.5	**21.1S**±.75	**175.0E**±.35	**33**	**4.1b**	**7**	**32-93**
EIDC	III	19 20 50 30.6	20.7S	174.9E	0	4.2b		**¶97iii3764**
EIDC	**III**	**20 18 34 20.3**	**21.5S**	**176.6E**	**0**	**4.5b**		**28-39**
								¶97iii3937
ISC	**III**	**20 19 44 32**±1.3	**22.3S**±.22	**177.3W**±.22	**33**	**4.1b**,3.8s	**9**	**34-91**
EIDC	III	20 19 44 28.5	22.1S	177.3W	0	4.1b,3.8s		**¶97iii3944**
ISC	**III**	**20 20 28 19**±3.3	**23.5S**±.19	**179.3E**±.11	**574**±44	**4.4b**	**50**	**15-154**
EIDC	III	20 20 28 16.9	23.3S	179.4E	537	3.4b		**¶97iii3948**
NEIC	III	20 20 28 20.8	23.50S	179.25E	600	4.5b		
NEIC		Less reliable solution.						
ISC	**III**	**20 22 05 31**±2.8	**24.2S**±.23	**179.9E**±.37	**550**	**4.2b**	**21**	**14-154**
NEIC	III	20 22 05 31.7	24.22S	179.80E	550	4.3b		**¶97iii3959**
EIDC	III	20 22 05 32.1	24.1S	179.8W	586	3.4b		
NEIC		Poor solution.						

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 21 07 08 57**±2.8	**25.1S**±.21	**179.6E**±.19	**554**±32	**3.8b**	**25**	**12-153**
NEIC	III 21 07 09 04.3	25.25S	179.40E	650	4.2b		¶97iii4027
EIDC	III 21 07 09 04.8	25.5S	179.5E	648	3.2b		
NEIC	Less reliable solution.						
ISC	**III 21 12 49 10**±1.6	**25.7S**±.29	**178.1W**±.82	**33**	**4.1b**	**6**	**53-101**
EIDC	III 21 12 49 06.7	25.6S	177.9W	0	4.1b		¶97iii4074
ISC	**III 22 02 49 52**±2.2	**26.1S**±.15	**180.0E**±.17	**494**±25	**4.0b**	**22**	**12-155**
EIDC	III 22 02 49 59.5	25.2S	179.5E	560	3.3b		¶97iii4186
NEIC	III 22 02 50 01.0	25.77S	179.59E	600	4.3b		
NEIC	Poor solution.						
ISC	**III 23 04 57 00**±4.5	**24.9S**±.78	**178.7W**±.56	**611**±38	**3.9b**	**9**	**13-101**
EIDC	III 23 04 57 04.1	24.7S	178.9W	635	3.1b		¶97iii4393
ISC	**III 23 23 37 24**±1.4	**20.1S**±.28	**177.9E**±.23	**33**	**4.0b**	**6**	**30-98**
EIDC	III 23 23 36 55.7	16.6S	179.6W	0	4.2b		¶97iii4498
ISC	**III 24 15 29 05**±1.2	**23.6S**±.23	**179.8E**±.17	**600**	**4.2b**	**12**	**28-90**
NEIC	III 24 15 29 05.2	23.64S	179.84E	600	4.4b		¶97iii4580
EIDC	III 24 15 29 12.0	23.4S	179.6E	676	3.4b		
NEIC	Less reliable solution.						
ISC	**III 25 06 05 09**±2.2	**25.8S**±.15	**179.3E**±.22	**643**±27	**4.0b**	**19**	**12-144**
EIDC	III 25 06 04 06.9	24.7S	179.7W	0	4.2b		¶97iii4684
NEIC	III 25 06 05 07.5	25.34S	178.99E	600	4.3b		
NEIC	Poor solution.						
ISC	**III 25 10 20 12.4**±.72	**23.7S**±.23	**179.9E**±.14	**550**	**4.2b**	**23**	**29-142**
NEIC	III 25 10 20 08.1	23.60S	179.99W	500	4.4b		¶97iii4711
EIDC	III 25 10 20 10.1	23.9S	179.9W	516	3.6b		
NEIC	Less reliable solution.						
ISC	**III 27 04 12 56**±1.8	**22.09S**±.052	**176.40W**±.061	**67**±16	**4.9b**	**161**	**7-161**
EIDC	III 27 04 13 00.1	22.0S	176.3W	89	4.5b,3.7s		¶97iii5139
NEIC	III 27 04 13 04.3	22.04S	176.50W	139	5.0b		
MOS	III 27 04 13 06.3	21.9S	176.5W	152	4.8b		
BJI	III 27 04 13 08.7	20.99S	177.63W	113	5.1b		
ISC	**III 27 10 02 07**±2.9	**23.9S**±.15	**180.0E**±.18	**517**±32	**4.4b**	**36**	**13-154**
EIDC	III 27 10 02 08.8	23.8S	179.8E	521	3.7b		¶97iii5186
NEIC	III 27 10 02 09.4	23.80S	179.84E	550	4.5b		
NEIC	Less reliable solution.						
ISC	**III 27 22 26 38**±5.7	**22.1S**±.71	**180.0E**±.92	**600**	**4.0b**	**9**	**31-151**
EIDC	III 27 22 26 38.0	21.8S	179.9W	602	3.3b		¶97iii5321
ISC	**III 28 04 33 18.3**±.95	**19.8S**±.29	**179.8E**±.18	**600**	**3.8b**	**14**	**31-157**
EIDC	III 28 04 33 17.9	19.8S	179.8E	579	3.3b		¶97iii5362
NEIC	III 28 04 33 18.6	19.76S	179.70E	600	4.0b		
NEIC	Poor solution.						
ISC	**III 28 15 44 26**±3.0	**24.5S**±.19	**179.7E**±.18	**557**±39	**3.9b**	**14**	**12-143**
NEIC	III 28 15 44 29.8	24.07S	179.43E	600	4.2b		¶97iii5453
EIDC	III 28 15 44 30.8	24.4S	179.6E	612	3.3b		
NEIC	Poor solution.						
ISC	**III 28 21 25 29**±3.2	**22.9S**±.28	**177.6W**±.12	**331**±36	**3.9b**	**33**	**15-157**
EIDC	III 28 21 24 54.5	22.1S	177.5W	0	4.3b,3.8s		¶97iii5484
NEIC	III 28 21 25 21.3	22.50S	177.69W	250	4.0b		
BJI	III 28 21 25 21.7	21.85S	177.57W	253	4.5b		
NEIC	Poor solution.						
EIDC	**III 28 23 01 56.3**	**22.8S**	**176.5W**	**0**	**3.9b**		**45-92**
							¶97iii5499
ISC	**III 29 03 29 33**±1.9	**24.6S**±.15	**179.9E**±.13	**558**±26	**4.3b**	**26**	**13-154**
EIDC	III 29 03 29 28.5	24.5S	179.9W	492	3.8b		¶97iii5526
NEIC	III 29 03 29 32.8	24.24S	179.76E	550	4.3b		
NEIC	Poor solution.						
ISC	**III 29 05 04 33**±3.8	**20.0S**±.43	**178.7E**±.38	**574**±41	**4.1b**	**15**	**12-156**
NEIC	III 29 05 04 27.4	19.84S	178.78E	500	4.5b		¶97iii5533
EIDC	III 29 05 04 27.5	20.2S	179.0E	501	3.3b		
NEIC	Poor solution.						
ISC	**III 29 05 31 11**±1.6	**22.4S**±.11	**179.57W**±.094	**563**±22	**4.1b**	**39**	**7-156**
NEIC	III 29 05 31 05.9	22.25S	179.44W	500	4.4b		¶97iii5540
EIDC	III 29 05 31 12.9	22.4S	179.6W	569	3.6b		
NEIC	Less reliable solution.						
ISC	**III 29 16 02 42**±2.8	**25.1S**±.76	**178.0W**±.49	**33**	**4.4b**	**8**	**33-101**
EIDC	III 29 16 01 54.9	24.2S	172.0W	0	4.4b		¶97iii5615
EIDC	**III 30 12 27 32.7**	**24.2S**	**178.2E**	**0**	**4.1b**		**27-132**
							¶97iii5758
ISC	**III 30 14 05 36**±1.7	**22.07S**±.055	**177.13W**±.044	**180**±16	**5.2b**	**416**	**6-164**
EIDC	III 30 14 05 39.1	21.9S	177.0W	196	4.8b		¶97iii5765
NEIC	III 30 14 05 40.1	21.98S	177.20W	217	5.3b		
BJI	III 30 14 05 40.6	21.71S	176.92W	224	4.8b		
HRVD	III 30 14 05 43.0±.3	22.06S±.05	176.88W±.04	219±1.9			
MOS	III 30 14 05 44.1	21.8S	177.2W	245	5.4b		
NEIC	Mw5.4(HRV), Mw5.3(GS).						
NEIC	Moment tensor solution: s6, scale 10^{16}Nm; M_{rr}−2.59; $M_{\theta\theta}$0.99; $M_{\phi\phi}$1.60; $M_{r\theta}$−6.05; $M_{r\phi}$0.35; $M_{\theta\phi}$7.25. Depth 206km; Principal axes: T 9.94,Plg19°,Azm140°; N −0.46,Plg47°, Azm251°; P −9.48,Plg37°,Azm34°. Best double couple: $M_0$9.7×10^{16}Nm; NP1:ϕ_S183°,δ49°, λ−165°. NP2:ϕ_S83°,δ79°,λ−42°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c32; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.03±.04; $M_{\theta\theta}$−0.41±.08; $M_{\phi\phi}$0.44±.08; $M_{r\theta}$−1.30±.04; $M_{r\phi}$−0.08±.05; $M_{\theta\phi}$0.69±.06. Principal Axes: T 1.39,Plg37°,Azm141°; N 0.25, Plg32°,Azm259°; P −1.64,Plg37°,Azm17°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S169°,δ32°,λ−180°. NP2:ϕ_S79°,δ90°,λ−58°.						
ISC	**IV 01 13 29 10**±3.6	**22.3S**±.25	**179.7W**±.21	**645**±47	**4.2b**	**25**	**13-151**
NEIC	IV 01 13 29 06.4	22.15S	179.66W	600	4.6b		¶97iv0075
BJI	IV 01 13 29 06.9	22.33S	179.69W	613			
EIDC	IV 01 13 29 07.2	22.1S	179.7W	595	3.6b		
NEIC	Less reliable solution.						
ISC	**IV 05 07 17 45.6**±.71	**23.5S**±.13	**180.0W**±.13	**500**	**4.2b**	**28**	**18-151**
NEIC	IV 05 07 17 45.6	23.53S	179.95W	500	4.5b		¶97iv0721
EIDC	IV 05 07 17 46.7	23.6S	179.9W	500	3.8b		
NEIC	Less reliable solution.						
ISC	**IV 05 22 33 35**±2.9	**23.4S**±.78	**177.9W**±.56	**33**	**4.2b**	**9**	**15-99**
EIDC	IV 05 22 33 33.9	23.2S	178.3W	0	4.2b		¶97iv0867
ISC	**IV 06 01 47 17**±2.3	**23.4S**±.13	**179.1E**±.11	**546**±30	**4.1b**	**50**	**12-163**
EIDC	IV 06 01 47 16.4	23.2S	179.1E	533	3.5b		¶97iv0904
NEIC	IV 06 01 47 20.8	23.39S	178.90E	600	4.3b		
NEIC	**IV 06 06 54 28.7**	**24.41S**	**176.18W**	**33**	4.5b		**14-91**
EIDC	IV 06 06 54 25.8	24.0S	176.3W	0	4.1b		¶97iv0954
NEIC	Poor solution.						
ISC	**IV 09 01 52 32.2**±.91	**23.7S**±.25	**179.9W**±.16	**550**	**3.9b**	**11**	**31-92**
EIDC	IV 09 01 51 36.9	23.2S	179.1W	0	4.1b		¶97iv1443
NEIC	IV 09 01 52 32.1	23.63S	179.91W	550	4.3b		
NEIC	Less reliable solution.						
ISC	**IV 09 03 39 15**±1.8	**23.9S**±.10	**179.7E**±.10	**575**±23	**4.5b**	**60**	**12-162**
EIDC	IV 09 03 39 10.3	23.8S	180.0E	513	3.9b		¶97iv1452
NEIC	IV 09 03 39 12.5	23.83S	179.80E	550	4.7b		
ISC	**IV 10 19 20 28**±4.2	**24.8S**±.19	**179.6W**±.17	**451**±46	**4.2b**	**27**	**13-154**
NEIC	IV 10 19 20 32.0	24.73S	179.74W	500	4.5b		¶97iv1735
EIDC	IV 10 19 20 32.6	24.7S	179.8W	491	3.5b		
NEIC	Less reliable solution.						
ISC	**IV 11 09 07 34.0**±.96	**24.2S**±.51	**179.9W**±.16	**33**	**4.1b**	**9**	**35-102**
EIDC	IV 11 09 07 30.6	23.9S	179.8W	0	4.0b,4.3s		¶97iv1848
ISC	**IV 11 13 19 32**±1.7	**23.7S**±.58	**179.9W**±.33	**33**	**3.9b**	**9**	**35-92**
EIDC	IV 11 13 19 28.4	23.6S	179.8W	0	3.8b		¶97iv1905
ISC	**IV 11 16 30 50.4**±.91	**24.7S**±.20	**179.5W**±.16	**550**	**4.2b**	**26**	**13-143**
EIDC	IV 11 16 30 50.0	24.6S	179.6W	526	3.5b		¶97iv1937
NEIC	IV 11 16 30 50.6	24.78S	179.57W	550	4.5b		
NEIC	Less reliable solution.						
EIDC	**IV 11 17 47 14.1**	**23.5S**	**175.8E**	**0**	**3.9b**		**31-39**
							¶97iv1948
ISC	**IV 13 01 40 06**±1.9	**25.3S**±.17	**178.0W**±.15	**249**±15	**4.1b**	**19**	**4-144**
EIDC	IV 13 01 39 39.3	25.0S	177.8W	0	4.4b		¶97iv2171
NEIC	IV 13 01 39 50.3	25.16S	177.89W	100	4.7b		
NEIC	Poor solution.						
ISC	**IV 13 21 21 44.0**±.32	**23.00S**±.075	**176.33W**±.087	**63**	**4.7b**	**83**	**6-157**
EIDC	IV 13 21 21 39.2	21.8S	176.7W	0	4.6b		¶97iv2300
BJI	IV 13 21 21 44.3	22.80S	176.40W	63	4.6b		
NEIC	IV 13 21 21 44.3	22.84S	176.40W	63	4.6b		
ISC	**IV 14 07 23 14**±1.4	**23.3S**±.54	**179.8E**±.30	**500**	**3.7b**	**11**	**31-131**
NEIC	IV 14 07 23 13.4	23.36S	179.81E	500	4.1b		¶97iv2410
EIDC	IV 14 07 23 16.1	23.5S	179.9E	524	3.2b		
NEIC	Poor solution.						
ISC	**IV 15 01 10 39**±2.4	**24.4S**±.13	**179.9W**±.12	**548**±30	**4.4b**	**35**	**13-154**
EIDC	IV 15 01 10 35.4	24.0S	179.8W	486	3.8b		¶97iv2538
NEIC	IV 15 01 10 35.6	24.06S	179.88W	500	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 17 02 24 46.2**±.88	**25.0S**±.23	**176.9W**±.20	**100**	**3.8b**	**9**	**37-144**
EIDC	IV 17 02 24 35.0	24.8S	176.8W	0	3.9b		¶97iv2839
NEIC	IV 17 02 24 46.0	24.97S	176.92W	100			
NEIC	Poor solution.						
EIDC	**IV 17 16 46 05.7**	**23.2S**	**179.7E**	**0**	**3.8b**		**42-91**
							¶97iv2936
ISC	**IV 18 20 42 31**±1.5	**25.4S**±.10	**179.7E**±.11	**545**±19	**4.3b**	**42**	**13-154**
EIDC	IV 18 20 42 28.4	25.2S	179.8E	508	3.8b		¶97iv3118
NEIC	IV 18 20 42 30.7	25.25S	179.58E	536	4.6b		
NEIC	Less reliable solution.						
ISC	**IV 20 05 08 32**±1.1	**24.7S**±.10	**179.56E**±.080	**540**±14	**4.7b**	**125**	**5-165**
MOS	IV 20 05 08 19.2	24.5S	179.8E	396	5.1b		¶97iv3274
BJI	IV 20 05 08 28.7	24.60S	179.60E	500	4.8b		
NEIC	IV 20 05 08 28.7	24.64S	179.64E	500	4.8b		
EIDC	IV 20 05 08 28.7	24.7S	179.8E	497	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 21 05 41 59**±1.2	**25.7S**±.13	**179.8W**±.18	**500**	**3.9b**	**17**	**12-153**
NEIC	IV 21 05 41 58.9	25.38S	179.83W	500	4.2b		¶97iv3410
EIDC	IV 21 05 41 59.0	25.4S	179.9W	488	3.4b		
NEIC	Poor solution.						
EIDC	**IV 25 02 56 03.4**	**19.2S**	**179.3E**	**0**	3.6b		**42-134**
							¶97iv4265
ISC	**IV 25 07 32 32**±1.5	**25.55S**±.066	**177.55W**±.066	**169**±13	**4.7b**	**94**	**4-165**
BJI	IV 25 07 32 33.7	25.40S	177.60W	190	4.9b		¶97iv4307
NEIC	IV 25 07 32 33.7	25.41S	177.65W	190	4.9b		
MOS	IV 25 07 32 34.2	25.4S	177.7W	189	4.9b		
EIDC	IV 25 07 32 36.9	25.2S	177.6W	210	4.2b		
HRVD	IV 25 07 32 37.9±.7	25.38S±.06	177.80W±.10	197±2.8			
NEIC	Mw5.4(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c18; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.12±.09; $M_{\theta\theta}$−0.74±.15; $M_{\phi\phi}$0.62±.14; $M_{r\theta}$−0.86±.10; $M_{r\phi}$1.09±.08; $M_{\theta\phi}$−0.10±.13. Principal Axes: T 1.66,Plg41°,Azm250°; N −0.24,Plg27°,Azm134°; P −1.42,Plg38°,Azm21°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S48°,δ27°,λ4°. NP2:ϕ_S315°,δ88°,λ117°.						
EIDC	**IV 26 16 57 28.8**	**25.4S**	**178.7W**	**0**	**4.3b**,3.7s		**33-90**
							¶97iv4581
ISC	**IV 26 20 30 17**±2.5	**24.3S**±.12	**179.7W**±.15	**489**±28	**4.0b**	**33**	**13-143**
NEIC	IV 26 20 30 18.2	24.31S	179.60W	500	4.3b		¶97iv4605
EIDC	IV 26 20 30 21.4	24.2S	179.8W	519	3.3b		
NEIC	Less reliable solution.						
EIDC	**IV 27 09 46 16.6**	**22.5S**	**177.1E**	**0**	**4.1b**		**33-136**
							¶97iv4701
ISC	**IV 27 21 20 39**±2.1	**22.3S**±.74	**179.4W**±.39	**33**	**4.0b**,3.4s	**15**	**29-151**
EIDC	IV 27 21 20 36.4	22.0S	179.6W	0	3.9b,3.2s		¶97iv4796
ISC	**IV 30 00 27 27.1**±.74	**22.7S**±.15	**179.8W**±.13	**600**	**4.0b**	**22**	**19-152**
EIDC	IV 30 00 27 26.2	22.6S	179.7W	576	3.3b		¶97iv5137
NEIC	IV 30 00 27 26.9	22.69S	179.75W	600	4.2b		
NEIC	Less reliable solution.						
EIDC	**IV 30 00 40 45.3**	**26.8S**	**178.8W**	**474**	**2.8b**		**43-153**
							¶97iv5138
ISC	**IV 30 20 14 55**±5.9	**23.6S**±.68	**178.2W**±.96	**33**	**4.4b**	**9**	**33-91**
EIDC	IV 30 20 14 54.0	23.0S	178.6W	0	4.1b,4.0s		¶97iv5260
EIDC	**V 01 12 17 38.1**	**23.1S**	**180.0W**	**506**	**3.6b**		**14-155**
NEIC	V 01 12 17 40.6	23.36S	179.92E	550	4.6b		¶97v0097
NEIC	Poor solution.						
ISC	**V 03 10 44 43**±1.2	**26.9S**±.13	**176.7W**±.25	**39**±1.8*	**4.2b**	**14**	**14-146**
NEIC	V 03 10 44 43.3	26.87S	176.70W	40			¶97v0420
EIDC	V 03 10 44 44.6	26.8S	176.7W	37	4.0b,5.1L		
NEIC	Poor solution.						
ISC	**V 03 11 59 31**±4.4	**23.0S**±.22	**179.6W**±.16	**542**±57	**4.2b**	**29**	**15-155**
NEIC	V 03 11 59 36.0	23.07S	179.75W	600	4.5b		¶97v0431
EIDC	V 03 11 59 37.3	23.0S	179.8W	587	3.5b		
NEIC	Less reliable solution.						
ISC	**V 03 21 14 13**±1.0	**23.7S**±.22	**180.0E**±.20	**33**	**3.8b**,3.1s	**12**	**35-154**
EIDC	V 03 21 14 09.0	23.5S	179.9E	0	3.9b,3.1s		¶97v0501
EIDC	**V 05 23 45 51.6**	**23.5S**	**179.2W**	**490**	**3.8b**		**32-142**
							¶97v0869
ISC	**V 06 01 55 24**±2.5	**25.4S**±.56	**179.5E**±.23	**505**±48	**4.3b**	**16**	**4-153**
NEIC	V 06 01 55 23.1	25.34S	179.59E	500	4.6b		¶97v0881
EIDC	V 06 01 55 26.2	25.2S	179.4E	518	3.7b		
NEIC	Poor solution.						
ISC	**V 06 06 55 15**±2.2	**22.4S**±.13	**180.0E**±.15	**693**±29	**4.4b**	**32**	**13-163**
EIDC	V 06 06 55 04.7	22.3S	179.6W	546	3.8b		¶97v0922
NEIC	V 06 06 55 07.9	22.35S	179.74W	600	4.6b		
NEIC	Less reliable solution.						
ISC	**V 06 13 22 12**±1.4	**24.61S**±.086	**179.10W**±.084	**391**±16	**3.9b**	**58**	**5-154**
BJI	V 06 13 22 22.4	24.60S	179.40W	500	4.3b		¶97v0968
NEIC	V 06 13 22 22.4	24.59S	179.41W	500	4.1b		
EIDC	V 06 13 22 27.8	24.8S	179.4W	559	3.5b		
ISC	**V 08 10 31 25**±2.5	**22.3S**±.87	**177.5W**±.44	**33**	**3.8b**	**5**	**45-91**
EIDC	V 08 10 31 23.2	21.8S	177.7W	0	3.8b		¶97v1225

ISC	**V**	**09 01 41 20**±1.7	**23.9S**±.81	**179.9E**±.36	**556**	**3.8b**	**9 31-154**
EIDC	V	09 01 41 20.5	24.0S	180.0W	556	3.2b	**¶97v1342**
ISC	**V**	**09 02 32 43**±3.5	**23.3S**±.19	**179.9E**±.20	**609**±45	**4.3b**	**20 12-148**
NEIC	V	09 02 32 42.0	23.30S	179.89E	600	4.6b	**¶97v1347**
EIDC	V	09 02 32 46.5	23.3S	179.8E	644	3.4b	
NEIC	Less reliable solution.						
EIDC	**V**	**10 00 41 33.1**	**23.3S**	**179.3W**	**610**	**3.3b**	**32-153**
							¶97v1505
ISC	**V**	**10 02 40 39**±2.4	**25.9S**±.22	**177.4W**±.12	**151**±25	**4.0b**	**24 3-155**
NEIC	V	10 02 40 43.9	26.03S	177.34W	200	4.2b	**¶97v1516**
EIDC	V	10 02 40 46.8	26.1S	177.5W	212	3.8b	
NEIC	Poor solution.						
ISC	**V**	**10 18 35 01**±1.1	**24.53S**±.075	**179.93E**±.071	**521**±14	**4.5b**	**111 5-165**
MOS	V	10 18 34 52.7	24.3S	179.9W	430	4.5b	**¶97v1642**
BJI	V	10 18 34 55.2	24.40S	179.90W	461	4.8b	
NEIC	V	10 18 34 55.2	24.37S	179.96W	461	4.5b	
EIDC	V	10 18 34 55.9	24.5S	179.8W	460	4.0b	
ISC	**V**	**11 15 30 17**±5.4	**22.1S**±.13	**176.0W**±.17	**302**±54	**3.9b**	**54 15-161**
EIDC	V	11 15 29 44.2	21.9S	175.5W	0	4.3b	**¶97v1805**
NEIC	V	11 15 29 47.6	22.01S	175.62W	33	4.6b	
MOS	V	11 15 29 48.0	21.9S	175.7W	33	5.0b	
NEIC	Less reliable solution.						
ISC	**V**	**12 07 39 03**±4.2	**22.0S**±.17	**179.6W**±.14	**571**±54	**4.3b**	**33 13-156**
NEIC	V	12 07 39 01.6	22.00S	179.58W	550	4.7b	**¶97v1916**
EIDC	V	12 07 39 03.6	22.0S	179.5W	560	3.6b	
ISC	**V**	**13 07 48 04**±2.1	**19.6S**±.58	**178.9E**±.38	**650**	**3.7b**	**12 31-146**
NEIC	V	13 07 48 03.3	19.72S	179.03E	650	3.7b	**¶97v2195**
EIDC	V	13 07 48 08.8	19.6S	178.8E	700	3.0b	
NEIC	Poor solution.						
ISC	**V**	**14 06 11 08**±1.0	**26.4S**±.19	**178.1E**±.14	**650**	**4.0b**	**18 26-151**
NEIC	V	14 06 11 07.8	26.43S	178.14E	650	4.3b	**¶97v2398**
EIDC	V	14 06 11 08.0	26.4S	178.2E	636	3.3b	
NEIC	Less reliable solution.						
EIDC	**V**	**14 09 59 59.1**	**23.4S**	**179.8W**	**0**	**3.7b**	**42-90**
							¶97v2427
ISC	**V**	**14 17 11 22.2**±.54	**27.00S**±.091	**176.6W**±.11	**33**	**4.5b,3.6s**	**51 12-160**
EIDC	V	14 17 11 18.3	26.9S	176.5W	0	4.4b,3.7s	**¶97v2491**
BJI	V	14 17 11 21.4	26.90S	176.60W	33		
NEIC	V	14 17 11 21.4	26.97S	176.62W	33	4.5b	
NEIC	Less reliable solution.						
ISC	**V**	**16 22 46 08**±5.9	**25.0S**±.18	**177.8W**±.24	**268**±57	**4.0b**	**29 4-155**
NEIC	V	16 22 46 10.9	24.98S	177.83W	300	4.5b	**¶97v2839**
EIDC	V	16 22 46 12.7	25.2S	177.6W	308	3.8b	
NEIC	Less reliable solution.						
EIDC	**V**	**20 15 20 41.6**	**23.9S**	**176.4W**	**0**	**4.0b**	**35-46**
							¶97v3427
ISC	**V**	**21 09 29 58**±1.4	**23.29S**±.070	**179.90W**±.058	**546**±19	**4.7b**	**117 12-155**
MOS	V	21 09 29 56.0	23.1S	179.8W	526	5.1b	**¶97v3539**
EIDC	V	21 09 29 57.5	23.1S	179.8W	535	4.0b	
BJI	V	21 09 29 58.1	23.20S	179.90W	550	4.5b	
NEIC	V	21 09 29 58.1	23.23S	179.94W	550	4.9b	
ISC	**V**	**21 16 53 58.9**±.29	**24.39S**±.070	**176.06W**±.067	**39**±1.3*	**5.0b,5.0s**	**143 5-163**
EIDC	V	21 16 53 54.1	24.4S	176.0W	0	4.7b,4.5L	**¶97v3584**
BJI	V	21 16 53 57.9	23.35S	176.28W	5	5.3b	
MOS	V	21 16 53 58.2	24.2S	176.2W	33	5.1b	
NEIC	V	21 16 53 59.0	24.26S	176.12W	41	4.9b	
ISC	**V**	**23 23 42 28.2**±.87	**23.8S**±.11	**179.9W**±.14	**600**	**3.9b**	**22 17-151**
NEIC	V	23 23 42 28.6	23.36S	179.95E	600	4.1b	**¶97v4020**
EIDC	V	23 23 42 37.1	23.5S	179.7E	700	3.0b	
NEIC	Poor solution.						
ISC	**V**	**25 08 02 35**±1.6	**24.0S**±.12	**180.0E**±.10	**532**±21	**3.9b**	**32 6-149**
NEIC	V	25 08 02 32.5	23.84S	180.00W	500	4.1b	**¶97v4240**
EIDC	V	25 08 02 33.0	23.8S	179.9W	494	3.5b	
NEIC	Less reliable solution.						
ISC	**V**	**27 19 13 50**±2.7	**24.0S**±.14	**180.0E**±.18	**561**±35	**3.8b**	**16 13-139**
NEIC	V	27 19 13 44.5	23.88S	179.94W	500		**¶97v4602**
EIDC	V	27 19 13 47.1	23.9S	180.0W	515	3.5b	
NEIC	Single network solution.						
EIDC	**V**	**28 01 49 30.5**	**24.7S**	**176.6W**	**0**	**4.1b**	**35-152**
							¶97v4638
EIDC	**V**	**28 15 40 31.4**	**22.2S**	**179.3W**	**0**	**4.1b**	**43-90**
							¶97v4741
EIDC	**V**	**29 02 09 48.4**	**25.4S**	**178.7W**	**0**	**3.8b**	**4-154**
							¶97v4800
NEIC	**V**	**29 19 16 50.8**	**25.69S**	**179.59E**	**600**		**12-153**
EIDC	V	29 19 16 49.1	25.6S	179.7E	566	3.3b	**¶97v4918**
NEIC	Poor solution.						
ISC	**VI**	**01 07 45 08**±1.6	**21.8S**±.70	**179.4E**±.35	**33**	**4.1b**	**7 31-90**
EIDC	VI	01 07 45 04.3	21.6S	179.3E	0	4.3b	**¶97vi0040**
ISC	**VI**	**01 17 03 32**±5.2	**24.2S**±.62	**180.0W**±.61	**550**	**4.2b**	**14 28-143**
EIDC	VI	01 17 03 34.8	24.3S	179.7E	540	3.4b	**¶97vi0114**
ISC	**VI**	**02 06 42 54**±1.6	**24.8S**±.75	**179.4E**±.33	**650**	**3.5b**	**7 31-94**
EIDC	VI	02 06 42 56.3	24.8S	179.3E	658	2.9b	**¶97vi0197**
ISC	**VI**	**02 18 38 46**±3.4	**24.6S**±.18	**179.8E**±.21	**552**±37	**4.4b**	**25 13-143**
EIDC	VI	02 18 38 40.5	24.5S	179.9W	491	3.8b	**¶97vi0281**
NEIC	VI	02 18 38 40.8	24.53S	179.97E	500		
NEIC	Poor solution.						
ISC	**VI**	**02 22 56 26**±1.0	**23.7S**±.21	**179.8E**±.19	**600**	**3.4b**	**16 35-154**
NEIC	VI	02 22 56 26.1	23.75S	179.78E	600		**¶97vi0345**
EIDC	VI	02 22 56 26.5	23.6S	179.8E	588	3.0b	
NEIC	Poor solution.						
EIDC	**VI**	**03 09 08 03.6**	**20.8S**	**180.0E**	**0**	**3.6b**	**43-89**
							¶97vi0412
ISC	**VI**	**03 15 51 37**±2.8	**24.3S**±.22	**179.7E**±.20	**579**±32	**4.0b**	**16 12-91**
NEIC	VI	03 15 51 29.8	24.25S	179.87E	500		**¶97vi0484**
EIDC	VI	03 15 51 30.8	24.3S	179.9E	503	3.5b	
NEIC	Single network solution.						
ISC	**VI**	**05 13 22 49**±1.2	**22.9S**±.18	**179.5W**±.19	**500**	**3.9b**	**9 19-90**
EIDC	VI	05 13 22 55.1	23.4S	179.5W	567	3.4b	**¶97vi0779**
ISC	**VI**	**06 08 02 39**±3.4	**22.0S**±.25	**180.0E**±.23	**704**±46	**4.1b**	**17 13-156**
NEIC	VI	06 08 02 30.9	22.12S	179.66W	600	3.6b	**¶97vi0907**
EIDC	VI	06 08 02 33.1	22.0S	179.7W	611	3.7b	
NEIC	Less reliable solution.						
ISC	**VI**	**07 01 53 40**±1.1	**25.62S**±.087	**179.3E**±.11	**507**±14	**4.4b**	**58 4-159**
BJI	VI	07 01 53 39.2	25.51S	179.36E	505	4.6b	**¶97vi1026**
NEIC	VI	07 01 53 39.6	25.49S	179.28E	500		
EIDC	VI	07 01 53 43.6	25.5S	179.3E	539	3.8b	
NEIC	Less reliable solution.						
ISC	**VI**	**08 08 03 22**±6.6	**23.5S**±.52	**179.0E**±.89	**650**	**4.1b**	**12 18-163**
EIDC	VI	08 08 03 24.5	23.5S	178.9E	662	3.3b	**¶97vi1198**
ISC	**VI**	**08 13 59 32**±2.2	**24.2S**±.11	**179.5E**±.17	**558**±28	**4.0b**	**42 12-158**
NEIC	VI	08 13 59 27.2	23.99S	179.53E	500		**¶97vi1250**
EIDC	VI	08 13 59 30.6	24.2S	179.5E	532	3.5b	
NEIC	Less reliable solution.						
ISC	**VI**	**09 12 48 00**±2.2	**24.8S**±.12	**179.6E**±.12	**520**±28	**3.9b**	**27 12-154**
EIDC	VI	09 12 47 58.4	24.5S	179.6E	485	3.5b	**¶97vi1398**
NEIC	VI	09 12 47 58.5	24.65S	179.62E	500	3.7b	
NEIC	Less reliable solution.						
ISC	**VI**	**11 09 29 25.5**±.95	**24.04S**±.038	**177.52W**±.039	**183**±8.8	**5.3b**	**485 5-163**
BJI	VI	11 09 29 23.2	23.76S	177.35W	165	5.4b	**¶97vi1657**
NEIC	VI	11 09 29 23.4	23.97S	177.51W	164	5.4b	
EIDC	VI	11 09 29 26.1	24.0S	177.4W	177	4.9b	
HRVD	VI	11 09 29 26.8±.2	23.95S±.02	177.12W±.02	163±.7		
MOS	VI	11 09 29 28.4	23.9S	177.6W	202	5.6b	

NEIC Mw5.8(GS), MB5.5(BRK).

NEIC Mw 5.8 (HRV). Mb 5.5 (BRK).

NEIC Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}−0.09; $M_{\theta\theta}$−2.34; $M_{\phi\phi}$2.43; $M_{r\theta}$−1.14; $M_{r\phi}$−3.50; $M_{\theta\phi}$−3.41. Depth 157km; Principal axes: T 5.55,Plg27°,Azm71°; N 0.00,Plg49°, Azm196°; P −5.56,Plg28°,Azm324°. Best double couple: $M_0$5.6×10^{17}Nm; NP1:ϕ_S108°,δ49°, λ−179°. NP2:ϕ_S17°,δ89°,λ−41°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c102; Mantle waves: s23,c35; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}0.35±.07; $M_{\theta\theta}$−1.66±.10; $M_{\phi\phi}$1.32±.10; $M_{r\theta}$−1.15±.08; $M_{r\phi}$−3.83±.07; $M_{\theta\phi}$−3.36±.10. Principal Axes: T 5.23,Plg33°,Azm70°; N 0.39,Plg42°,Azm196°; P −5.62,Plg30°,Azm318°. Best double couple: $M_0$5.4×10^{17}Nm, NP1:ϕ_S102°,δ42°,λ177°. NP2:ϕ_S194°,δ88°,λ48°.

EIDC	**VI**	**11 15 59 39.2**	**24.8S**	**176.3W**	**0**	**3.9b**	**35-46**
							¶97vi1714
ISC	**VI**	**12 06 33 08**±3.1	**23.4S**±.14	**179.9W**±.11	**540**±40	**4.1b**	**35 18-163**
NEIC	VI	12 06 33 12.9	23.29S	179.88E	600	4.4b	**¶97vi1809**
EIDC	VI	12 06 33 15.6	23.2S	179.8E	616	3.5b	
NEIC	Less reliable solution.						
ISC	**VI**	**12 11 52 03.9**±.80	**25.4S**±.25	**177.1W**±.17	**116**±3.0*	**4.1b**	**15 34-144**
NEIC	VI	12 11 52 02.4	25.74S	176.89W	115	4.8b	**¶97vi1838**
EIDC	VI	12 11 52 04.9	25.5S	176.9W	114	3.8b	
NEIC	Poor solution.						
ISC	**VI**	**12 23 15 41**±2.5	**23.4S**±.80	**178.3W**±.50	**33**	**3.9b**	**6 36-91**
EIDC	VI	12 23 15 38.8	22.9S	178.4W	0	3.9b	**¶97vi1905**
ISC	**VI**	**13 06 42 56.1**±.71	**22.01S**±.064	**179.64W**±.065	**582**±8.8	**4.5b**	**87 4-164**
EIDC	VI	13 06 42 55.7	21.9S	179.5W	566	3.9b	**¶97vi1943**
NEIC	VI	13 06 42 56.0	21.99S	179.64W	581	4.7b	
BJI	VI	13 06 42 56.2	21.42S	179.31W	573	4.3b	
MOS	VI	13 06 43 00.3	22.0S	179.8W	635	4.6b	
EIDC	**VI**	**13 06 56 14.3**	**22.1S**	**176.6W**	**0**	**3.5b**	**45-90**
							¶97vi1946
ISC	**VI**	**14 15 56 42**±3.9	**24.1S**±.29	**179.6E**±.26	**601**±44	**4.3b**	**23 12-154**
NEIC	VI	14 15 56 41.9	24.11S	179.57E	600	4.4b	**¶97vi2143**
EIDC	VI	14 15 56 43.2	24.2S	179.6E	596	3.6b	
NEIC	Less reliable solution.						
EIDC	**VI**	**15 09 07 05.1**	**22.5S**	**177.9W**	**0**	**4.0b**	**37-152**
							¶97vi2269
EIDC	**VI**	**15 13 10 48.5**	**21.2S**	**179.9E**	**0**	**3.5b**	**42-89**
							¶97vi2303
ISC	**VI**	**15 14 59 58**±1.4	**24.9S**±.56	**179.6E**±.31	**600**	**4.0b**	**17 28-154**
NEIC	VI	15 14 59 57.7	24.95S	179.64E	600	4.2b	**¶97vi2316**
EIDC	VI	15 15 00 01.5	24.7S	179.4E	628	3.2b	
NEIC	Poor solution.						
ISC	**VI**	**15 17 27 10.4**±.65	**25.6S**±.16	**176.6W**±.13	**33**	**4.3b**	**27 31-155**
EIDC	VI	15 17 27 06.3	25.5S	176.6W	0	4.3b	**¶97vi2335**
NEIC	VI	15 17 27 09.5	25.61S	176.51W	33	4.4b	
NEIC	Poor solution.						
ISC	**VI**	**16 12 45 36**±1.4	**24.12S**±.069	**177.49W**±.067	**283**±14	**4.5b**	**85 5-156**
EIDC	VI	16 12 45 23.2	23.8S	177.4W	143	4.3b	**¶97vi2459**
NEIC	VI	16 12 45 48.7	23.60S	178.04W	400	4.6b	
MOS	VI	16 12 45 49.9	23.6S	178.0W	411	4.4b	
ISC	**VI**	**17 13 52 24**±5.3	**23.9S**±.15	**179.8E**±.22	**559**±61	**4.4b**	**34 28-154**
EIDC	VI	17 13 52 17.2	23.9S	179.8W	490	3.8b	**¶97vi2639**
BJI	VI	17 13 52 26.9	23.74S	179.45E	577	4.2b	
NEIC	VI	17 13 52 26.9	23.92S	179.67E	600	4.5b	
NEIC	Less reliable solution.						
ISC	**VI**	**18 02 29 17**±1.9	**24.1S**±.11	**178.7E**±.13	**579**±24	**4.3b**	**38 11-153**
EIDC	VI	18 02 29 12.6	24.1S	179.0E	523	3.7b	**¶97vi2717**
NEIC	VI	18 02 29 18.5	24.16S	178.59E	600	4.5b	
MOS	VI	18 02 29 24.6	25.0S	177.6E	600	4.4b	
ISC	**VI**	**18 02 39 08**±4.7	**23.9S**±.47	**178.6E**±.39	**609**±52	**4.2b**	**16 11-153**
NEIC	VI	18 02 39 06.5	23.93S	178.68E	600	4.5b	**¶97vi2718**
EIDC	VI	18 02 39 10.4	23.9S	178.5E	626	3.4b	
NEIC	Poor solution.						
ISC	**VI**	**21 00 29 16**±2.0	**24.2S**±.11	**179.8E**±.12	**561**±25	**4.6b**	**54 12-164**
EIDC	VI	21 00 29 10.4	24.1S	180.0W	485	3.8b	**¶97vi3129**
NEIC	VI	21 00 29 10.5	24.21S	179.92W	500	4.8b	
MOS	VI	21 00 29 11.3	24.3S	180.0W	500	4.7b	
NEIC	Less reliable solution.						
ISC	**VI**	**21 14 43 39**±3.0	**24.0S**±.50	**179.6W**±.52	**300**	**3.6b**	**15 35-154**
NEIC	VI	21 14 43 39.3	23.88S	179.68W	300	4.0b	**¶97vi3235**
EIDC	VI	21 14 43 42.2	23.6S	179.8W	308	3.3b	
NEIC	Poor solution.						
ISC	**VI**	**22 04 07 21**±1.6	**24.3S**±.39	**178.2W**±.27	**33**	**4.5b**	**11 33-84**
EIDC	VI	22 04 07 16.5	24.4S	177.9W	0	4.6b	**¶97vi3322**
EIDC	**VI**	**22 08 12 34.3**	**23.4S**	**177.4W**	**0**	**3.7b**	**37-142**
							¶97vi3346
ISC	**VI**	**24 07 02 23.0**±.87	**24.1S**±.26	**179.9E**±.17	**500**	**4.0b**	**15 28-154**
EIDC	VI	24 07 02 21.8	24.1S	180.0E	477	3.4b	**¶97vi3662**
NEIC	VI	24 07 02 22.9	24.11S	179.91E	500	4.3b	
NEIC	Less reliable solution.						
ISC	**VI**	**24 18 42 10**±2.2	**23.3S**±.76	**176.2W**±.35	**33**	**4.4b**	**6 35-93**
EIDC	VI	24 18 42 07.0	23.3S	176.1W	0	4.3b	**¶97vi3767**
ISC	**VI**	**25 17 10 38.2**±.93	**22.6S**±.17	**176.3W**±.17	**33**	**4.2b**	**10 10-92**
NEIC	VI	25 17 10 37.8	22.57S	176.37W	33		**¶97vi3991**
EIDC	VI	25 17 10 40.3	22.7S	176.4W	34	3.8b,4.6L	
NEIC	Less reliable solution.						
ISC	**VI**	**26 23 00 27**±2.7	**26.9S**±.26	**177.7W**±.19	**140**±23	**4.1b**	**17 2-153**
EIDC	VI	26 23 00 08.9	27.1S	177.1W	0	4.3b	**¶97vi4207**
NEIC	VI	26 23 00 13.3	27.06S	177.33W	33	4.5b	
NEIC	Poor solution.						
ISC	**VI**	**27 19 20 26**±6.2	**26.9S**±.36	**178.6W**±.29	**391**±57	**3.7b**	**24 11-153**
EIDC	VI	27 19 20 10.7	27.1S	178.2W	242	3.7b	**¶97vi4358**
ISC	**VI**	**28 08 05 38.7**±.91	**23.90S**±.053	**179.83W**±.049	**510**±12	**4.9b**	**218 6-164**
NEIC	VI	28 08 05 37.4	23.82S	179.76W	500	5.0b	**¶97vi4449**
BJI	VI	28 08 05 37.6	23.71S	179.85W	494	5.0b	
EIDC	VI	28 08 05 38.0	23.7S	179.8W	494	4.2b	
MOS	VI	28 08 05 39.1	23.7S	179.9W	507	5.2b	
HRVD	VI	28 08 05 46.5±.8	23.56S±.11	179.98W±.07	516±4.9		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		Mw5.2(HRV).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.64±.56; $M_{\theta\theta}$−0.04±1.12; $M_{\phi\phi}$6.68±.92; $M_{r\theta}$2.66±1.44; $M_{r\phi}$0.16±1.16; $M_{\theta\phi}$−1.53±.95. Principal Axes: T 7.03,Plg2°,Azm77°; N 0.59, Plg20°,Azm346°; P −7.61,Plg70°,Azm172°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_s186°,δ47°,λ−62°. NP2:ϕ_s329°,δ50°,λ−116°.						
ISC	**VI**	**29 03 51 33**±3.5	**25.1S**±.22	**179.4E**±.21	**575**±41	**3.8b**		**35 12-165**
EIDC	VI	29 03 51 33.6	25.2S	179.4E	580	3.3b		**¶97vi4564**
NEIC	VI	29 03 51 34.6	25.00S	179.23E	600	3.9b		
NEIC		Less reliable solution.						
ISC	**VI**	**30 23 00 10**±1.5	**24.81S**±.090	**179.84E**±.064	**498**±19	**4.5b**		**68 13-154**
EIDC	VI	30 23 00 10.4	24.7S	179.9E	486	3.9b		**¶97vi4835**
NEIC	VI	30 23 00 10.6	24.73S	179.78E	500	4.7b		
MOS	VI	30 23 00 12.5	24.6S	179.7E	518	4.6b		
BJI	VI	30 23 00 15.1	23.94S	179.17E	500	4.3b		

(173) Tonga.

ISC	**I**	**01 02 32 28.0**±.45	**15.2S**±.14	**173.4W**±.12	**84**±1.3*	**4.1b**		**51 20-154**
NEIC	I	01 02 32 27.6	15.36S	173.36W	83	4.2b		**¶97i0014**
EIDC	I	01 02 32 29.7	15.4S	173.5W	80	3.7b		
NEIC		Less reliable solution.						
EIDC	**I**	**02 03 30 55.6**	**21.6S**	**174.5W**	**257**	**3.6b**		**37-48**
								¶97i0157
ISC	**I**	**02 14 30 03**±1.2	**15.2S**±.37	**173.6W**±.28	**33**	**3.7b**		**8 44-90**
EIDC	I	02 14 30 00.1	15.1S	173.6W	0	3.7b		**¶97i0224**
NEIC	I	02 14 30 03.4	15.22S	173.58W	33			
NEIC		Poor solution.						
ISC	**I**	**03 03 58 13**±2.0	**19.13S**±.042	**174.81W**±.031	**61**±18	**5.9b**		**614 10-164**
BJI	I	03 03 58 22.0	19.08S	174.70W	140	6.0b		**¶97i0315**
NEIC	I	03 03 58 22.1	19.22S	174.84W	140	5.7b		
MOS	I	03 03 58 22.9	18.6S	174.9W	129	6.0b,5.2s		
EIDC	I	03 03 58 24.1	19.2S	174.9W	143	5.3b,4.8s		
HRVD	I	03 03 58 28.8±.1	19.15S±.01	174.26W±.01	147±.5			
NEIC		Mw6.0(GS), Me5.6(GS).						
NEIC		Mw 6.0 (HRV).						
NEIC		Radiated energy from the P−wave first−motion solution: 6.1±1.0×10^{12}Nm/12						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_s35°,δ70°,λ100°. NP2:ϕ_s188°,δ22°,λ64°. Principal axes: T Plg64°,Azm321°; P Plg24°,Azm117°. Depth from broadband displacement seismograms.						
NEIC		Moment tensor solution: s30, scale 10^{17}Nm; M_{rr}6.40; $M_{\theta\theta}$1.10; $M_{\phi\phi}$−7.40; $M_{r\theta}$5.60; $M_{r\phi}$7.10; $M_{\theta\phi}$−1.50. Depth 139km; Principal axes: T 11.5,Plg59°,Azm326°; N 0.0,Plg16°,Azm207°; P −11.5,Plg25°,Azm109°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_s167°,δ24°,λ48°. NP2: ϕ_s32°,δ72°,λ107°.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c104; Mantle waves: s38,c49; Half duration: 2s5. Moment tensor: Scale 10^{17}Nm; M_{rr}6.75±.09; $M_{\theta\theta}$−0.58±.14; $M_{\phi\phi}$−6.17±.14; $M_{r\theta}$5.53±.09; $M_{r\phi}$7.81±.09; $M_{\theta\phi}$−1.33±.14. Principal Axes: T 12.1,Plg61°,Azm315°; N −0.9,Plg9°,Azm208°; P −11.2,Plg28°,Azm113°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_s180°,δ19°,λ61°. NP2:ϕ_s31°,δ73°,λ100°.						
ISC	**I**	**07 11 30 01.8**±.84	**16.8S**±.24	**174.3W**±.23	**150**	**3.5b**		**8 43-92**
EIDC	I	07 11 29 45.4	16.4S	174.2W	0	3.8b		**¶97i0913**
NEIC	I	07 11 30 01.8	16.79S	174.28W	150			
NEIC		Poor solution.						
ISC	**I**	**07 18 00 56**±3.5	**18.68S**±.087	**174.78W**±.078	**71**±32	**4.7b**		**89 14-154**
EIDC	I	07 18 00 48.0	18.7S	174.6W	0	4.6b		**¶97i0957**
MOS	I	07 18 00 51.6	18.5S	174.8W	33	5.1b		
NEIC	I	07 18 00 51.8	18.69S	174.74W	33	5.2b		
BJI	I	07 18 00 55.3	17.91S	174.82W	34	5.1b		
NEIC		Less reliable solution.						
ISC	**I**	**07 21 39 18**±4.1	**16.8S**±.92	**175.4W**±.86	**33**	**4.2b**		**6 42-84**
EIDC	I	07 21 39 14.2	16.8S	175.4W	0	4.1b		**¶97i0982**
ISC	**I**	**09 12 46 27.7**±.57	**15.3S**±.17	**173.6W**±.10	**33**	**4.5b**		**47 23-154**
EIDC	I	09 12 46 25.0	15.0S	173.7W	0	4.3b		**¶97i1217**
NEIC	I	09 12 46 28.9	14.74S	173.95W	33	4.6b		
NEIC		Poor solution.						
ISC	**I**	**12 17 39 35**±1.2	**15.6S**±.32	**174.7W**±.26	**40**±3.7*	**4.5b**		**24 37-149**
NEIC	I	12 17 39 34.0	15.53S	174.63W	33	4.6b		**¶97i1719**
EIDC	I	12 17 39 34.1	16.6S	173.9W	40	4.0b		
NEIC		Poor solution.						
EIDC	**I**	**12 18 24 20.2**	**15.6S**	**175.7W**	**0**	**3.7b**		**42-48**
								¶97i1725
EIDC	**I**	**12 19 19 00.6**	**20.8S**	**175.9W**	**0**	**4.0b**		**17-47**
								¶97i1730
ISC	**I**	**13 01 39 07**±3.4	**18.5S**±.15	**174.63W**±.094	**100**±34	**4.7b**		**67 14-157**
EIDC	I	13 01 39 06.0	18.5S	174.7W	72	4.2b		**¶97i1765**
NEIC	I	13 01 39 08.3	18.39S	174.86W	100	4.8b		
NEIC		Less reliable solution.						
ISC	**I**	**14 20 12 51**±6.1	**19.2S**±.79	**175.2W**±.98	**33**	**4.3b**		**8 36-150**
EIDC	I	14 20 12 43.9	19.3S	174.7W	0	4.2b		**¶97i2051**
EIDC	**I**	**15 02 45 00.8**	**21.4S**	**173.0W**	**0**	**4.3b**		**38-49**
								¶97i2087
ISC	**I**	**15 07 58 26**±1.3	**21.3S**±.50	**174.2W**±.31	**33**	**4.2b**		**13 37-96**
EIDC	I	15 07 58 23.0	21.1S	174.2W	0	4.0b		**¶97i2120**
NEIC	I	15 07 58 26.2	21.31S	174.15W	33	4.5b		
NEIC		Poor solution.						
ISC	**I**	**15 13 47 10**±1.8	**16.0S**±.52	**173.0W**±.43	**27**	**4.2b**		**10 41-93**
EIDC	I	15 13 47 11.4	15.9S	173.0W	27	4.0b		**¶97i2163**
ISC	**I**	**16 06 31 25**±1.5	**15.9S**±.86	**174.7W**±.45	**33**	**4.4b**		**9 43-91**
EIDC	I	16 06 31 22.0	15.5S	174.8W	0	4.0b		**¶97i2264**
EIDC	**I**	**16 09 01 14.3**	**21.0S**	**174.5W**	**0**	**4.0b**		**37-48**
								¶97i2279
ISC	**I**	**16 14 59 29**±1.2	**21.0S**±.42	**173.7W**±.24	**33**	**4.1b**		**20 17-152**
EIDC	I	16 14 59 25.1	20.9S	173.6W	0	4.2b		**¶97i2327**
NEIC	I	16 14 59 28.5	21.03S	173.62W	33	4.1b		
NEIC		Poor solution.						
ISC	**I**	**17 05 01 49**±3.6	**19.1S**±.43	**173.5W**±.41	**33**	**4.7b**		**16 19-55**
EIDC	I	17 05 01 40.8	18.6S	172.9W	0	4.8b		**¶97i2401**
ISC	**I**	**18 01 07 00**±3.2	**18.3S**±.94	**175.0W**±.69	**33**	**4.0b**		**5 37-93**
EIDC	I	18 01 06 31.3	17.3S	171.8W	0	4.1b		**¶97i2573**
ISC	**I**	**18 23 18 39**±1.1	**17.0S**±.22	**174.0W**±.21	**33**	**4.4b**		**10 43-148**
EIDC	I	18 23 18 35.7	16.8S	174.1W	0	4.3b		**¶97i2735**
NEIC	I	18 23 18 39.2	17.05S	174.07W	33	4.5b		
NEIC		Poor solution.						
ISC	**I**	**19 06 57 59**±3.5	**19.3S**±.12	**175.41W**±.087	**95**±34	**4.8b**		**62 15-152**
BJI	I	19 06 57 53.1	19.73S	175.12W	65	5.3b		**¶97i2802**
NEIC	I	19 06 57 54.8	19.31S	175.31W	64	5.0b		
EIDC	I	19 06 57 56.0	19.3S	175.2W	65	4.3b		
NEIC		Less reliable solution.						
ISC	**I**	**19 16 53 52.4**±.74	**21.1S**±.18	**174.1W**±.14	**33**	**4.6b**,4.8s		**74 9-154**
EIDC	I	19 16 53 48.8	20.7S	174.2W	0	4.5b		**¶97i2866**
BJI	I	19 16 53 52.3	21.00S	174.20W	33	5.0b		
NEIC	I	19 16 53 52.3	20.98S	174.16W	33	4.8b		
NEIC		Less reliable solution.						
ISC	**I**	**20 08 27 21.5**±.64	**17.75S**±.081	**173.9W**±.11	**33**	**4.5b**,5.0s		**38 14-148**
EIDC	I	20 08 27 17.3	17.9S	173.8W	0	4.2b		**¶97i2964**
EIDC	**I**	**20 16 15 55.5**	**19.0S**	**174.9W**	**0**	**4.3b**		**37-48**
								¶97i3036
ISC	**I**	**21 18 29 29**±1.1	**20.8S**±.31	**174.2W**±.24	**33**	**4.3b**		**31 14-151**
EIDC	I	21 18 29 25.2	20.9S	174.1W	0	4.2b		**¶97i3216**
NEIC	I	21 18 29 28.9	20.83S	174.24W	33	4.6b		
NEIC		Less reliable solution.						
EIDC	**I**	**22 11 48 42.7**	**16.8S**	**175.0W**	**0**	**3.8b**		**42-48**
								¶97i3322
EIDC	**I**	**23 08 38 28.3**	**18.9S**	**174.9W**	**0**	**4.4b**		**37-48**
								¶97i3468
ISC	**I**	**23 15 23 38**±1.2	**20.36S**±.047	**175.93W**±.070	**270**±11	**4.7b**		**187 6-164**
BJI	I	23 15 23 29.0	19.86S	175.80W	175	5.3b		**¶97i3518**
NEIC	I	23 15 23 30.1	20.36S	175.85W	200	4.8b		
EIDC	I	23 15 23 31.1	20.3S	175.8W	196	4.5b		
MOS	I	23 15 23 35.4	19.4S	176.5W	200	5.1b		
ISC	**I**	**23 16 17 50**±1.1	**16.19S**±.047	**175.16W**±.052	**345**±11	**4.5b**		**218 6-167**
MOS	I	23 16 17 48.4	15.3S	175.6W	292	4.7b		**¶97i3524**
BJI	I	23 16 17 49.5	15.62S	174.92W	335			
NEIC	I	23 16 17 49.5	16.05S	175.19W	336	4.7b		
EIDC	I	23 16 17 51.1	16.0S	175.3W	338	4.1b		
ISC	**I**	**24 09 15 22**±7.2	**15.3S**±.13	**173.7W**±.11	**105**±66	**4.5b**		**71 17-164**
NEIC	I	24 09 15 15.9	15.19S	173.74W	47	4.8b		**¶97i3627**
EIDC	I	24 09 15 16.9	15.2S	173.6W	44	4.3b,4.2s		
NEIC		Less reliable solution.						
EIDC	**I**	**24 23 18 46.6**	**16.7S**	**175.8W**	**0**	**3.8b**		**41-84**
								¶97i3702
EIDC	**I**	**25 09 37 43.2**	**16.1S**	**174.2W**	**0**	**3.7b**		**43-91**
								¶97i3781
EIDC	**I**	**26 06 41 47.9**	**18.7S**	**175.1W**	**0**	**3.8b**		**41-48**
								¶97i3900
EIDC	**I**	**26 17 24 44.7**	**16.4S**	**175.4W**	**0**	**3.6b**		**48-84**
								¶97i3973
ISC	**I**	**27 20 27 42**±1.3	**21.3S**±.38	**174.3W**±.22	**150**	**3.7b**		**15 18-160**
NEIC	I	27 20 27 29.4	21.09S	174.18W	33			**¶97i4122**
EIDC	I	27 20 27 31.3	21.3S	174.2W	34	3.8b		
NEIC		Poor solution.						
EIDC	**I**	**31 05 33 07.3**	**19.0S**	**173.3W**	**0**	**3.8b**		**42-85**
								¶97i4591
ISC	**II**	**01 18 34 37.6**±.23	**19.97S**±.045	**173.69W**±.050	**38**±3.1*	**5.1b,5.3s**		**235 6-163**
EIDC	II	01 18 34 33.4	19.8S	173.8W	0	4.9b,5.1s		**¶97ii0108**
NEIC	II	01 18 34 37.1	19.84S	173.82W	33	5.1b,5.3s		
HRVD	II	01 18 34 39.1±.4	20.05S±.05	173.02W±.04	15			
BJI	II	01 18 34 39.4	19.88S	173.87W	36	5.4b,5.6s		
MOS	II	01 18 34 45.0	19.1S	175.1W	33	5.7b,5.3s		
NEIC		Mw5.6(HRV).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c53; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}1.47±.05; $M_{\theta\theta}$−0.06±.08; $M_{\phi\phi}$−1.41±.07; $M_{r\theta}$1.11±.17; $M_{r\phi}$2.14±.20; $M_{\theta\phi}$−0.33±.05. Principal Axes: T 2.86,Plg60°,Azm305°; N −0.05, Plg6°,Azm203°; P −2.81,Plg29°,Azm110°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: ϕ_s182°,δ17°,λ67°. NP2:ϕ_s25°,δ75°,λ97°.						
ISC	**II**	**02 15 59 25**±3.2	**17.2S**±.97	**175.0W**±.75	**33**	**4.3b**		**6 5-48**
EIDC	II	02 15 59 24.6	17.1S	175.4W	0	4.3b		**¶97ii0244**
ISC	**II**	**03 07 11 54**±3.1	**20.5S**±.51	**174.0W**±.42	**37**	**4.2b**		**8 18-94**
EIDC	II	03 07 11 55.6	20.6S	174.0W	37	4.0b		**¶97ii0334**
ISC	**II**	**03 08 33 30**±5.8	**16.9S**±.49	**173.5W**±.54	**33**	5.1b		**6 20-50**
								¶97ii0346
ISC	**II**	**03 17 03 36.6**±.40	**18.74S**±.072	**174.45W**±.089	**33**	**4.7b**		**68 5-155**
EIDC	II	03 17 03 32.4	18.9S	174.2W	0	4.5b		**¶97ii0404**
NEIC	II	03 17 03 36.2	19.03S	174.34W	33	4.8b		
MOS	II	03 17 03 36.9	18.8S	174.4W	33	4.9b		
NEIC		Less reliable solution.						
EIDC	**II**	**03 22 03 49.2**	**16.3S**	**175.6W**	**0**	**3.7b**		**48-147**
								¶97ii0429
ISC	**II**	**04 18 24 34.8**±.52	**20.2S**±.14	**173.65W**±.097	**40**±3.2*	**4.3b**		**49 7-153**
MOS	II	04 18 24 33.1	20.5S	173.6W	33	4.5b		**¶97ii0578**
NEIC	II	04 18 24 33.6	20.20S	173.65W	33	4.3b		
EIDC	II	04 18 24 36.7	20.2S	173.7W	43	4.1b		
BJI	II	04 18 24 37.6	20.50S	174.03W	45			
NEIC		Less reliable solution.						
ISC	**II**	**05 11 57 07**±1.6	**15.0S**±.64	**173.8W**±.34	**33**	**3.5b**		**7 2-90**
EIDC	II	05 11 57 03.9	14.9S	173.9W	0	3.6b		**¶97ii0684**
NEIC	II	05 11 57 07.4	14.91S	173.99W	33			
NEIC		Poor solution.						
ISC	**II**	**06 12 13 41**±1.6	**17.1S**±.47	**174.4W**±.29	**100**	**3.7b**		**11 4-148**
EIDC	II	06 12 13 29.4	16.9S	174.5W	0	3.9b		**¶97ii0836**
NEIC	II	06 12 13 40.4	17.11S	174.43W	100	3.6b		
NEIC		Poor solution.						
EIDC	**II**	**06 19 55 45.4**	**17.2S**	**175.4W**	**0**	**4.3b**		**41-148**
								¶97ii0899
ISC	**II**	**07 08 41 15.1**±.13	**19.87S**±.027	**173.23W**±.032	**39**±1.9*	**6.0b,6.2s**		**631 6-163**
EIDC	II	07 08 41 09.8	19.9S	173.1W	0	5.9b,6.0s		**¶97ii0970**
BJI	II	07 08 41 13.1	19.78S	173.00W	26	6.1b,6.2s		
NEIC	II	07 08 41 13.4	19.86S	173.29W	28	6.0b,6.2s		
MOS	II	07 08 41 15.1	19.7S	173.4W	33	6.3b,6.2s		
HRVD	II	07 08 41 21.5±.1	19.85S±.01	172.85W±.01	33			
NEIC		Mw6.4(GS), Me6.1(GS).						
NEIC		Mw 6.4 (HRV). Mo=1.2×10^{19}Nm (PPT).						
NEIC		Radiated energy from the P−wave first−motion solution: 3.6±0.7×10^{13}Nm/20						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_s164°,δ64°,λ55°. NP2:ϕ_s42°,δ43°,λ140°. Principal axes: T Plg56°,Azm27°; P Plg12°,Azm279°. Depth from synthetics of broadband displacement seismograms.						
NEIC		Moment tensor solution: s42, scale 10^{18}Nm; M_{rr}3.19; $M_{\theta\theta}$0.04; $M_{\phi\phi}$−3.23; $M_{r\theta}$1.27; $M_{r\phi}$−1.89; $M_{\theta\phi}$0.75. Depth 29km; Principal axes: T 3.99,Plg70°,Azm40°; N 0.04,Plg11°, Azm161°; P −4.03,Plg17°,Azm254°. Best double couple: $M_0$4.0×10^{18}Nm; NP1:ϕ_s0°,δ30°, λ112°. NP2:ϕ_s155°,δ63°,λ78°.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s62,c139; Mantle waves: s52,c100; Half duration: 4s0. Moment tensor: Scale 10^{18}Nm; M_{rr}4.02±.02; $M_{\theta\theta}$0.50±.02; $M_{\phi\phi}$−4.52±.02; $M_{r\theta}$2.06±.05; $M_{r\phi}$−0.90±.06; $M_{\theta\phi}$0.09±.02. Principal Axes: T 5.03,Plg65°,Azm11°; N −0.39,Plg24°,Azm173°; P −4.64,Plg7°,Azm266°. Best double couple: $M_0$4.8×10^{18}Nm, NP1:ϕ_s21°,δ43°,λ126°. NP2:ϕ_s156°,δ56°,λ61°.						
EIDC	**II**	**07 21 42 28.0**	**16.7S**	**173.5W**	**0**	**3.8b**		**43-91**
								¶97ii1046
ISC	**II**	**07 22 06 34**±1.7	**16.4S**±.47	**173.5W**±.32	**33**	**4.1b**		**5 50-81**
EIDC	II	07 22 06 30.2	16.4S	173.4W	0	3.7b		**¶97ii1049**
NEIC	II	07 22 06 33.6	16.35S	173.47W	33	4.4b		

NEIC Poor solution.
ISC II 08 09 03 34±2.4 **17.2S**±.28 **175.6W**±.39 **23** **3.8b** **5 41-76**
EIDC II 08 09 03 36.3 17.2S 175.7W 23 3.4b **¶97ii1120**
EIDC II 08 15 44 32.7 16.4S 175.4W 0 4.2b 42-48
¶97ii1167
ISC II 09 02 02 33±3.3 **20.7S**±.96 **173.8W**±.69 **33** **4.4b** **5 37-95**
EIDC II 09 02 02 19.7 20.4S 172.4W 0 4.2b **¶97ii1238**
ISC II 09 23 11 04.8±.37 **20.24S**±.081 **173.61W**±.072 **39**±1.3* **4.9b,4.6s** **131 7-161**
NEIC II 09 23 11 04.6 20.24S 173.63W 40 5.0b **¶97ii1379**
BJI II 09 23 11 04.9 20.24S 173.87W 30 5.4b,5.1s
EIDC II 09 23 11 05.9 20.3S 173.6W 40 4.6b,4.2s
MOS II 09 23 11 07.7 19.4S 173.7W 33 5.6b
HRVD II 09 23 11 07.7±1.3 20.06S±.16 173.08W±.12 40
NEIC Mw5.0(HRV), Less reliable solution.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c13; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.46; $M_{\theta\theta}$−0.42±.64; $M_{\phi\phi}$−2.47±.57; $M_{r\theta}$0.60±.68; $M_{r\phi}$1.20±.76; $M_{\theta\phi}$−1.64±.53. Principal Axes: T 3.16,Plg78°,Azm299°; N 0.49, Plg0°,Azm209°; P −3.66,Plg12°,Azm119°. Best double couple: $M_0$3.4×10^{16}Nm, NP1: ϕ_S209°,δ33°,λ90°. NP2:ϕ_S29°,δ57°,λ90°.
ISC II 09 23 21 52±6.1 **15.3S**±.55 **173.5W**±.39 **19**±43 **3.5b** **9 2-146**
EIDC II 09 23 21 50.5 15.2S 173.4W 0 3.6b **¶97ii1380**
NEIC II 09 23 21 53.6 15.34S 173.45W 33 3.8b
NEIC Poor solution.
ISC II 10 19 22 51±2.3 **15.5S**±.51 **173.8W**±.35 **109**±22 **4.1b** **7 3-90**
NEIC II 10 19 22 50.6 15.42S 173.89W 100 3.6b **¶97ii1505**
EIDC II 10 19 22 52.7 15.3S 173.8W 108 3.9b
NEIC Poor solution.
ISC II 11 03 01 48±1.6 **19.2S**±.24 **173.8W**±.28 **33** **4.0b** **6 24-94**
EIDC II 11 03 01 35.8 18.7S 172.7W 0 3.8b **¶97ii1574**
ISC II 11 11 58 53±1.6 **16.5S**±.43 **173.4W**±.37 **45**±.5* **4.1b** **26 3-152**
NEIC II 11 11 58 52.7 16.57S 173.31W 45 4.1b **¶97ii1628**
EIDC II 11 11 58 54.7 16.4S 173.3W 43 3.9b
NEIC Poor solution.
ISC II 12 07 30 55±2.7 **17.2S**±.82 **175.3W**±.62 **166** **4.0b** **7 5-85**
EIDC II 12 07 30 56.4 17.1S 175.3W 166 3.7b **¶97ii1737**
ISC II 12 21 39 00±4.1 **16.1S**±.53 **173.2W**±.39 **50**±29 **3.9b** **11 3-91**
EIDC II 12 21 38 54.6 16.1S 173.2W 0 3.8b **¶97ii1822**
NEIC II 12 21 38 58.3 16.09S 173.22W 33 4.2b
NEIC Poor solution.
ISC II 13 17 03 30±1.5 **21.3S**±.26 **174.4W**±.26 **33** **4.0b** **5 39-96**
EIDC II 13 17 03 26.7 21.2S 174.4W 0 4.0b **¶97ii1949**
NEIC II 13 17 03 30.0 21.31S 174.44W 33
NEIC Poor solution.
ISC II 13 22 55 32±1.1 **16.7S**±.24 **175.8W**±.23 **300** **3.3b** **8 47-92**
EIDC II 13 22 54 58.8 16.4S 175.5W 0 3.8b **¶97ii1993**
NEIC II 13 22 55 32.0 16.72S 175.81W 300 3.4b
NEIC Poor solution.
EIDC II 21 09 36 18.8 18.1S 174.6W 0 3.9b 42-48
¶97ii3047
ISC II 21 14 54 59.7±.97 **18.2S**±.11 **175.2W**±.16 **300** **4.0b** **17 21-127**
EIDC II 21 14 54 58.6 17.8S 175.4W 265 3.5b **¶97ii3087**
NEIC II 21 14 55 00.4 18.00S 175.37W 300 4.0b
NEIC Poor solution.
ISC II 24 01 45 32±1.3 **19.4S**±.49 **175.8W**±.27 **200** **3.7b** **17 7-95**
NEIC II 24 01 45 32.2 19.48S 175.81W 200 3.7b **¶97ii3403**
EIDC II 24 01 45 35.5 18.8S 176.1W 207 3.6b
NEIC Poor solution.
ISC II 27 23 31 24±2.1 **15.8S**±.69 **173.9W**±.51 **33** **4.0b** **7 3-83**
EIDC II 27 23 31 21.6 15.7S 174.0W 0 4.0b,3.6L **¶97ii4059**
ISC II 28 02 49 29±1.6 **15.2S**±.65 **173.7W**±.39 **33** **4.2b** **20 2-152**
EIDC II 28 02 49 25.3 15.3S 173.7W 0 4.0b,4.3L **¶97ii4111**
NEIC II 28 02 49 29.8 14.97S 173.95W 33 4.2b
NEIC Poor solution.
ISC II 28 14 54 15.5±.21 **15.53S**±.048 **173.48W**±.058 **100** **4.8b** **218 2-166**
EIDC II 28 14 54 04.7 15.3S 173.6W 0 4.7b,4.8s **¶97ii4273**
MOS II 28 14 54 09.9 15.3S 173.5W 45 5.4b
NEIC II 28 14 54 16.2 15.34S 173.60W 100 4.9b
BJI II 28 14 54 18.0 14.49S 173.40W 95 4.9b
EIDC II 28 16 11 58.8 16.8S 175.2W 0 4.2b 42-48
¶97ii4290
ISC III 04 05 07 01±1.7 **17.3S**±.30 **175.5W**±.33 **33** **3.7b** **4 47-85**
EIDC III 04 05 06 58.1 17.3S 175.5W 0 3.7b **¶97iii0791**
ISC Poorly determined
EIDC III 06 04 03 49.7 21.5S 174.7W 0 4.1b 36-159
¶97iii1188
EIDC III 07 00 22 28.5 21.9S 173.4W 0 4.1b 38-49
¶97iii1382
ISC III 07 00 58 23±5.5 **20.2S**±.15 **176.0W**±.14 **317**±56 **4.1b** **51 16-160**
NEIC III 07 00 58 11.2 19.84S 175.97W 200 4.3b **¶97iii1388**
EIDC III 07 00 58 15.5 20.1S 176.0W 224 3.9b
NEIC Poor solution.
ISC III 08 09 11 43±1.3 **20.7S**±.28 **174.5W**±.39 **33** **3.8b** **4 48-95**
EIDC III 08 09 11 39.6 20.5S 174.4W 0 3.7b **¶97iii1723**
ISC Poorly determined
ISC III 08 23 46 48±1.8 **16.71S**±.091 **173.7W**±.11 **45**±18 **4.6b** **40 3-163**
EIDC III 08 23 46 42.9 16.8S 173.6W 0 4.4b,4.7L **¶97iii1866**
NEIC III 08 23 46 46.4 16.84S 173.64W 33 4.7b
NEIC Less reliable solution.
ISC III 09 18 10 43±3.2 **15.9S**±.95 **174.6W**±.73 **33** **4.3b** **5 37-91**
EIDC III 09 18 10 43.9 16.1S 175.0W 0 4.2b **¶97iii2041**
EIDC III 11 05 44 31.5 17.2S 175.0W 0 3.9b 48-61
¶97iii2314
ISC III 11 19 58 10±1.0 **16.3S**±.29 **174.2W**±.21 **33** **3.9b** **6 49-90**
EIDC III 11 19 58 06.2 16.2S 174.1W 0 3.9b **¶97iii2437**
ISC III 15 11 02 53±2.8 **16.0S**±.79 **174.1W**±.61 **118**±23 **3.6b** **7 3-91**
EIDC III 15 11 02 54.1 16.1S 174.0W 118 3.3b **¶97iii3036**
ISC III 15 12 16 24±3.0 **15.3S**±.99 **175.2W**±.69 **33** **4.2b** **11 48-146**
EIDC III 15 12 16 19.8 15.5S 175.0W 0 4.0b **¶97iii3048**
ISC III 18 02 47 00.1±.69 **15.1S**±.24 **173.7W**±.17 **33** **3.9b** **11 2-90**
EIDC III 18 02 46 56.6 15.0S 173.6W 0 3.8b,4.5L **¶97iii3475**
NEIC III 18 02 47 00.0 15.11S 173.65W 33 4.6b
NEIC Less reliable solution.
EIDC III 18 19 25 43.4 16.1S 175.0W 0 3.6b 48-83
¶97iii3582
ISC III 18 20 48 40.9±.31 **18.86S**±.059 **173.99W**±.070 **40**±3.1* **4.8b,4.3s** **92 5-162**
NEIC III 18 20 48 40.1 18.80S 174.05W 33 5.1b **¶97iii3590**
MOS III 18 20 48 41.8 18.7S 174.1W 33 5.4b
BJI III 18 20 48 42.4 18.94S 174.20W 36 5.2b
EIDC III 18 20 48 43.0 18.8S 174.0W 39 4.3b,4.2s
ISC III 19 08 23 44±1.6 **15.1S**±.24 **174.0W**±.19 **137**±18 **3.6b** **13 2-124**
NEIC III 19 08 23 43.8 15.09S 173.99W 133 3.8b **¶97iii3668**
EIDC III 19 08 23 44.9 15.0S 174.0W 128 3.5b
NEIC Less reliable solution.
ISC III 19 17 50 35±1.4 **16.66S**±.038 **173.82W**±.039 **38**±13 **5.5b,5.0s** **412 3-165**
MOS III 19 17 50 37.3 16.5S 173.9W 55 5.9b **¶97iii3742**
EIDC III 19 17 50 38.5 16.6S 173.8W 57 4.9b
NEIC III 19 17 50 42.2 16.61S 173.90W 99 5.5b
BJI III 19 17 50 42.4 16.46S 173.75W 99 5.4b
HRVD III 19 17 50 45.9±.1 16.51S±.02 173.44W±.02 93±1.2
NEIC Mw5.8(GS), Mw5.7(HRV).
NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}−3.03; $M_{\theta\theta}$3.21; $M_{\phi\phi}$−0.18; $M_{r\theta}$−1.06; $M_{r\phi}$3.10; $M_{\theta\phi}$−2.29. Depth 87km; Principal axes: T 5.11,Plg18°,Azm213°; N −0.08,Plg28°, Azm313°; P −5.03,Plg56°,Azm95°. Best double couple: $M_0$5.1×10^{17}Nm; NP1:ϕ_S268°,δ37°, λ−141°. NP2:ϕ_S145°,δ68°,λ−60°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c84; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.52±.05; $M_{\theta\theta}$2.42±.10; $M_{\phi\phi}$0.10±.10; $M_{r\theta}$−0.98±.06; $M_{r\phi}$2.39±.06; $M_{\theta\phi}$−1.87±.07. Principal Axes: T 4.12,Plg18°,Azm215°; N −0.19,Plg24°,Azm314°; P −3.93,Plg59°,Azm92°. Best double couple: $M_0$4.0×10^{17}Nm, NP1: ϕ_S272°,δ34°,λ−137°. NP2:ϕ_S145°,δ67°,λ−63°.
EIDC III 22 08 58 59.6 17.8S 174.6W 0 4.6b 37-48
¶97iii4235
ISC III 23 07 00 09±1.3 **17.6S**±.32 **173.7W**±.29 **33** **3.8b** **12 4-148**
EIDC III 23 07 00 05.5 17.6S 173.7W 0 3.7b,3.6L **¶97iii4412**
NEIC III 23 07 00 08.3 17.60S 173.63W 33 3.8b
NEIC Poor solution.
ISC III 23 07 07 46±1.2 **17.7S**±.29 **173.5W**±.26 **33** **4.1b** **13 4-148**
EIDC III 23 07 07 42.6 17.6S 173.6W 0 3.9b,3.6L **¶97iii4414**
NEIC III 23 07 07 45.7 17.62S 173.52W 33 4.4b
NEIC Poor solution.
EIDC III 24 00 18 59.4 16.9S 173.5W 0 3.9b 43-50
¶97iii4501
EIDC III 24 18 27 21.2 20.2S 174.5W 0 3.6b 48-87
¶97iii4603
EIDC III 25 17 07 53.6 16.8S 173.6W 0 4.4b 36-49
¶97iii4765
ISC III 26 19 21 16±5.2 **20.3S**±.13 **173.8W**±.10 **38**±46 **4.6b,4.6s** **90 7-161**
EIDC III 26 19 21 09.8 20.6S 173.5W 0 4.6b,4.6s **¶97iii5061**
BJI III 26 19 21 15.2 20.10S 173.90W 33 5.2b
NEIC III 26 19 21 15.2 20.10S 173.91W 33 4.7b,4.9s
MOS III 26 19 21 15.6 20.1S 173.9W 33 4.9b
NEIC Less reliable solution.
ISC III 28 07 22 32±1.2 **16.4S**±.25 **173.4W**±.28 **33** **3.8b** **6 44-91**
EIDC III 28 07 22 28.3 16.3S 173.4W 0 3.7b **¶97iii5377**
NEIC III 28 07 22 31.5 16.44S 173.41W 33
NEIC Poor solution.
ISC III 28 13 25 03±1.8 **17.1S**±.17 **173.5W**±.16 **196**±16 **3.8b** **21 4-148**
EIDC III 28 13 24 41.0 16.8S 173.3W 0 4.2b,3.6s **¶97iii5442**
NEIC III 28 13 25 04.5 17.00S 173.60W 200 4.1b
NEIC Poor solution.
EIDC III 29 20 27 46.4 16.4S 175.3W 0 3.4b 48-84
¶97iii5641
ISC III 30 08 38 28.9±.19 **16.29S**±.048 **173.28W**±.050 **43**±1.6* **4.9b,5.4s** **275 3-164**
NEIC III 30 08 38 27.4 16.25S 173.34W 33 5.0b,5.5s **¶97iii5727**
BJI III 30 08 38 28.9 16.23S 173.32W 36 5.0b,5.4s
EIDC III 30 08 38 29.6 16.3S 173.3W 42 4.5b,5.3s
HRVD III 30 08 38 33.0±.1 16.23S±.02 172.87W±.02 20±1.1
MOS III 30 08 38 34.7 15.9S 174.3W 33 5.4b,5.4s
NEIC Mw5.7(GS), Mw5.7(HRV).
NEIC Moment tensor solution: s15, scale 10^{17}Nm; M_{rr}2.37; $M_{\theta\theta}$0.71; $M_{\phi\phi}$−3.08; $M_{r\theta}$−1.82; $M_{r\phi}$1.20; $M_{\theta\phi}$1.02. Depth 26km; Principal axes: T 3.57,Plg59°,Azm188°; N 0.21,Plg27°, Azm333°; P −3.79,Plg16°,Azm71°. Best double couple: $M_0$3.7×10^{17}Nm; NP1:ϕ_S194°,δ37°, λ137°. NP2:ϕ_S320°,δ66°,λ61°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c64; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70±.05; $M_{\theta\theta}$−0.06±.07; $M_{\phi\phi}$−2.64±.07; $M_{r\theta}$−1.65±.15; $M_{r\phi}$2.06±.19; $M_{\theta\phi}$1.48±.06. Principal Axes: T 3.76,Plg67°,Azm215°; N 0.51, Plg10°,Azm329°; P −4.26,Plg20°,Azm63°. Best double couple: $M_0$4.0×10^{17}Nm, NP1: ϕ_S169°,δ26°,λ112°. NP2:ϕ_S325°,δ66°,λ80°.
ISC IV 04 21 27 43±1.1 **16.5S**±.40 **174.1W**±.30 **33** **4.3b** **23 19-151**
EIDC IV 04 21 27 39.0 16.4S 174.1W 0 4.2b **¶97iv0664**
NEIC IV 04 21 27 43.8 16.23S 174.31W 33 4.3b
NEIC Poor solution.
ISC IV 05 04 47 58.6±.46 **19.5S**±.12 **173.45W**±.090 **33** **4.6b,4.5s** **73 6-153**
EIDC IV 05 04 47 53.2 19.8S 173.2W 0 4.5b,4.3s **¶97iv0695**
NEIC IV 05 04 47 58.7 19.24S 173.61W 33 4.9b,5.0s
MOS IV 05 04 48 02.3 19.1S 174.0W 33 5.4b
BJI IV 05 04 48 04.8 19.39S 173.92W 57 5.0b
NEIC Less reliable solution.
ISC IV 05 15 46 58.7±.55 **19.4S**±.13 **173.5W**±.10 **33** **4.4b,**5.3s **50 13-152**
BJI IV 05 15 46 58.5 19.40S 173.50W 33 5.0b,5.8s **¶97iv0799**
NEIC IV 05 15 46 58.5 19.44S 173.53W 33 4.7b
EIDC IV 05 15 46 59.7 19.6S 173.5W 33 4.1b
MOS IV 05 15 47 02.1 19.1S 174.0W 33 5.2b
NEIC Less reliable solution.
EIDC IV 05 18 06 25.6 18.5S 173.0W 700 2.4b **50-149**
¶97iv0823
ISC IV 05 19 57 43±1.6 **15.5S**±.14 **173.12W**±.099 **85**±15 **4.4b** **51 2-150**
NEIC IV 05 19 57 36.3 15.66S 172.98W 33 4.7b **¶97iv0841**
EIDC IV 05 19 57 39.1 15.9S 172.8W 52 4.0b,3.8s
NEIC Less reliable solution.
ISC IV 06 17 12 26.1±.88 **16.6S**±.26 **174.0W**±.17 **33** **4.2b** **12 36-83**
EIDC IV 06 17 12 22.1 16.4S 173.9W 0 4.1b **¶97iv1025**
NEIC IV 06 17 12 26.4 16.50S 174.06W 33 4.3b
NEIC Less reliable solution.
ISC IV 07 03 43 56±2.0 **17.8S**±.77 **175.1W**±.45 **33** **4.1b** **8 18-146**
EIDC IV 07 03 43 52.0 17.8S 175.1W 0 3.9b **¶97iv1096**
NEIC IV 07 03 43 55.6 17.86S 175.09W 33 4.5b
NEIC Poor solution.
ISC IV 08 04 35 46.9±.23 **17.67S**±.058 **173.13W**±.058 **39**±6.2* **5.0b,5.0s** **219 4-153**
NEIC IV 08 04 35 46.0 17.57S 173.25W 33 5.1b,5.1s **¶97iv1277**
EIDC IV 08 04 35 46.6 17.5S 173.2W 28 4.6b,4.5s
BJI IV 08 04 35 49.3 17.63S 173.34W 39 5.3b,5.4s
MOS IV 08 04 35 49.6 17.7S 173.9W 33 5.2b,5.1s
ISC IV 11 06 48 24±2.1 **19.6S**±.80 **175.9W**±.46 **33** **3.9b** **10 47-152**
EIDC IV 11 06 48 20.6 19.4S 175.9W 0 3.8b **¶97iv1825**
ISC IV 12 07 17 02.9±.88 **16.3S**±.22 **173.5W**±.20 **33** **4.0b,**4.0s **24 3-150**
EIDC IV 12 07 16 57.9 16.5S 173.2W 0 3.9b,3.8s **¶97iv2028**
NEIC IV 12 07 17 03.0 16.26S 173.57W 33 4.4b
NEIC Poor solution.
ISC IV 13 10 44 11.5±.67 **15.1S**±.24 **173.5W**±.24 **33** **3.6b,**2.6s **13 44-146**
EIDC IV 13 10 44 08.0 15.0S 173.5W 0 3.7b,2.6s **¶97iv2225**
NEIC IV 13 10 44 11.2 15.18S 173.51W 33 3.3b
NEIC Less reliable solution.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV 13 15 17 23.2**±.50	**19.8S**±.13	**175.20W**±.091	**100**	**4.3b**	**38**	**15-153**
EIDC	IV 13 15 17 10.0	19.9S	174.8W	0	4.4b		¶97iv2256
NEIC	IV 13 15 17 23.6	19.73S	175.30W	100	4.8b		
BJI	IV 13 15 17 25.6	19.03S	175.72W	87			
NEIC	Less reliable solution.						
ISC	**IV 14 06 40 19**±1.2	**17.9S**±.25	**174.6W**±.24	**33**	**3.9b**	**6**	**37-93**
EIDC	IV 14 06 40 13.0	18.5S	174.0W	0	3.7b		¶97iv2403
ISC	**IV 14 21 58 06**±3.1	**15.7S**±.94	**175.6W**±.74	**33**	**4.1b**	**6**	**42-91**
EIDC	IV 14 21 58 03.0	15.6S	175.6W	0	3.9b		¶97iv2517
EIDC	**IV 17 17 44 45.5**	**18.8S**	**173.6W**	**0**	**4.2b**		**38-49**
							¶97iv2945
EIDC	**IV 17 23 55 11.9**	**17.3S**	**174.7W**	**0**	**3.9b**		**42-84**
							¶97iv2995
ISC	**IV 18 06 38 57**±1.5	**15.7S**±.69	**173.8W**±.43	**33**	**4.0b**	**9**	**44-91**
EIDC	IV 18 06 38 53.0	15.7S	173.7W	0	3.6b		¶97iv3028
NEIC	IV 18 06 38 56.7	15.73S	173.80W	33			
NEIC	Poor solution.						
ISC	**IV 19 13 30 04**±4.1	**15.6S**±.91	**173.3W**±.89	**33**	**4.2b**	**7**	**44-83**
EIDC	IV 19 13 30 00.2	15.6S	173.2W	0	4.1b		¶97iv3201
ISC	**IV 19 23 03 02**±1.2	**16.4S**±.50	**173.6W**±.36	**33**	**4.1b**	**20**	**40-147**
EIDC	IV 19 23 02 58.6	16.6S	173.5W	0	4.0b		¶97iv3250
NEIC	IV 19 23 03 02.1	16.50S	173.58W	33	4.0b		
NEIC	Poor solution.						
EIDC	**IV 20 11 39 03.0**	**18.6S**	**173.9W**	**700**	**2.9b**		**42-49**
							¶97iv3304
ISC	**IV 22 10 48 14**±4.2	**15.9S**±.95	**175.0W**±.91	**33**	**3.9b**	**6**	**42-83**
EIDC	IV 22 10 48 10.8	15.7S	175.1W	0	3.9b		¶97iv3706
ISC	**IV 25 07 31 18**±5.8	**19.5S**±.11	**174.1W**±.13	**146**±53	**4.0b**	**34**	**18-150**
EIDC	IV 25 07 31 02.3	19.4S	173.9W	0	4.1b		¶97iv4306
NEIC	IV 25 07 31 18.8	19.47S	174.11W	150	4.3b		
NEIC	Less reliable solution.						
ISC	**IV 30 04 14 24**±3.2	**18.21S**±.079	**174.77W**±.067	**95**±29	**4.7b**	**98**	**11-162**
NEIC	IV 30 04 14 29.8	18.20S	174.79W	144	4.8b		¶97iv5163
EIDC	IV 30 04 14 31.9	18.2S	174.8W	150	4.2b		
MOS	IV 30 04 14 32.5	18.2S	174.8W	157	4.3b		
EIDC	**V 02 00 29 37.3**	**18.8S**	**174.0W**	**0**	**3.9b**		**49-149**
							¶97v0180
EIDC	**V 02 11 44 34.4**	**15.6S**	**175.7W**	**0**	**3.7b**		**42-48**
							¶97v0257
ISC	**V 03 06 48 44.5**±.67	**17.9S**±.12	**173.4W**±.15	**33**	**4.3b**,2.7s	**24**	**4-149**
EIDC	V 03 06 48 41.0	18.1S	173.3W	0	4.2b,3.4s		¶97v0391
NEIC	V 03 06 48 44.0	18.16S	173.28W	33	4.5b		
NEIC	Less reliable solution.						
EIDC	**V 03 08 18 20.5**	**17.7S**	**174.8W**	**0**	**4.3b**		**38-61**
							¶97v0399
EIDC	**V 04 11 49 05.2**	**18.3S**	**173.3W**	**0**	**3.7b**		**49-93**
							¶97v0634
ISC	**V 04 15 07 52**±1.6	**16.2S**±.12	**174.1W**±.11	**131**±17	**4.2b**	**47**	**3-164**
NEIC	V 04 15 07 51.9	16.21S	174.19W	123	4.8b		¶97v0658
EIDC	V 04 15 07 53.7	16.0S	174.1W	130	3.9b		
NEIC	Less reliable solution.						
ISC	**V 04 16 11 11**±2.2	**16.3S**±.21	**174.0W**±.17	**64**±19	**4.1b**	**35**	**3-163**
NEIC	V 04 16 11 10.3	16.35S	174.03W	57	4.3b		¶97v0663
EIDC	V 04 16 11 12.7	16.2S	174.1W	68	3.7b		
NEIC	Less reliable solution.						
ISC	**V 04 19 19 55.1**±.66	**16.4S**±.16	**173.9W**±.15	**33**	**4.2b**,3.3s	**25**	**3-164**
EIDC	V 04 19 19 51.3	16.5S	173.8W	0	3.9b,3.2s		¶97v0683
NEIC	V 04 19 19 55.0	16.42S	173.85W	33	4.7b		
NEIC	Less reliable solution.						
EIDC	**V 04 23 43 02.9**	**16.2S**	**173.2W**	**0**	**4.0b**		**50-83**
							¶97v0707
ISC	**V 06 07 30 29**±1.1	**20.9S**±.27	**175.9W**±.21	**200**	**3.6b**	**10**	**39-151**
NEIC	V 06 07 30 28.2	20.76S	175.85W	200	3.5b		¶97v0927
EIDC	V 06 07 30 55.1	21.1S	176.5W	424	3.1b		
NEIC	Poor solution.						
ISC	**V 06 15 12 46**±1.6	**22.0S**±.51	**175.6W**±.35	**33**	**4.1b**	**10**	**36-97**
EIDC	V 06 15 12 42.2	22.2S	175.5W	0	4.0b		¶97v0979
NEIC	V 06 15 12 45.8	22.02S	175.58W	33	4.2b		
NEIC	Poor solution.						
ISC	**V 06 19 39 26**±1.3	**19.4S**±.31	**173.7W**±.24	**33**	**4.3b**,3.3s	**15**	**13-150**
EIDC	V 06 19 39 22.8	19.4S	173.7W	0	4.2b,3.3s		¶97v1002
NEIC	V 06 19 39 25.9	19.42S	173.67W	33	4.4b		
NEIC	Poor solution.						
ISC	**V 07 08 18 58**±1.8	**20.8S**±.92	**173.3W**±.46	**33**	**4.0b**	**6**	**38-86**
EIDC	V 07 08 18 55.0	20.3S	173.4W	0	3.8b		¶97v1067
ISC	**V 07 09 23 48**±2.6	**16.7S**±.70	**175.0W**±.43	**219**±19	**3.5b**	**10**	**4-147**
NEIC	V 07 09 23 47.7	16.76S	174.93W	218	3.6b		¶97v1077
EIDC	V 07 09 23 49.0	16.7S	174.9W	218	3.2b		
NEIC	Poor solution.						
ISC	**V 07 13 21 37**±1.3	**15.1S**±.55	**175.1W**±.37	**250**	**3.9b**	**9**	**43-83**
EIDC	V 07 13 21 35.5	15.0S	175.0W	224	3.3b		¶97v1110
ISC	**V 08 01 33 45.6**±.62	**19.3S**±.15	**175.2W**±.12	**200**	**3.9b**	**25**	**17-150**
EIDC	V 08 01 33 23.0	19.1S	175.1W	0	4.3b		¶97v1164
NEIC	V 08 01 33 45.7	19.32S	175.35W	200	4.4b		
NEIC	Less reliable solution.						
ISC	**V 08 05 56 12.5**±.89	**19.55S**±.034	**175.76W**±.043	**239**±8.5	**5.0b**	**351**	**6-164**
EIDC	V 08 05 56 05.8	19.4S	175.7W	167	4.7b		¶97v1188
NEIC	V 08 05 56 10.1	19.43S	175.83W	218	5.1b		
BJI	V 08 05 56 11.0	19.10S	175.24W	227	5.4b		
HRVD	V 08 05 56 11.1±.8	19.31S±.10	175.17W±.12	201±3.6			
MOS	V 08 05 56 16.1	19.5S	176.7W	220	5.1b		
NEIC	Mw5.6(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c11; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.15±.18; $M_{\theta\theta}$0.60±.33; $M_{\phi\phi}$0.55±.33; $M_{r\theta}$1.64±.27; $M_{r\phi}$−1.42±.23; $M_{\theta\phi}$1.98±.34. Principal Axes: T 2.57,Plg4°,Azm317°; N 0.88, Plg47°,Azm51°; P −3.45,Plg43°,Azm224°. Best double couple: $M_0$3.0×10^{17}Nm, NP1:ϕ_S10°, δ58°,λ−149°. NP2:ϕ_S262°,δ64°,λ−36°.						
ISC	**V 09 01 16 05**±1.9	**15.3S**±.70	**173.4W**±.51	**0**	**3.8b**	**7**	**2-90**
EIDC	V 09 01 16 06.9	15.2S	173.3W	0	3.8b,4.6L		¶97v1338
ISC	**V 11 05 49 11.1**±.67	**16.0S**±.23	**173.5W**±.20	**33**	**3.9b**	**11**	**44-91**
EIDC	V 11 05 49 07.5	15.9S	173.5W	0	3.9b		¶97v1736
NEIC	V 11 05 49 11.0	16.03S	173.48W	33	4.0b		
NEIC	Less reliable solution.						
EIDC	**V 11 07 48 38.8**	**19.6S**	**175.9W**	**0**	**4.0b**		**40-59**
							¶97v1751
ISC	**V 11 18 09 44.8**±.46	**15.7S**±.12	**173.2W**±.10	**45**±.3*	**4.3b,5.2s**	**48**	**2-151**
BJI	V 11 18 09 43.5	15.60S	173.20W	33	4.9b,5.2s		¶97v1821
NEIC	V 11 18 09 43.5	15.65S	173.23W	33	4.5b		
EIDC	V 11 18 09 45.6	15.8S	173.1W	45	3.8b		
NEIC	Less reliable solution.						
EIDC	**V 13 07 13 47.5**	**17.9S**	**176.0W**	**0**	**3.9b**		**41-127**
							¶97v2188
ISC	**V 13 20 37 45**±2.6	**17.8S**±.51	**174.7W**±.53	**33**	**4.5b**	**15**	**37-162**
EIDC	V 13 20 37 39.3	18.0S	174.4W	0	4.3b		¶97v2320
NEIC	V 13 20 37 44.1	17.83S	174.62W	33	4.8b		
NEIC	Poor solution.						
ISC	**V 14 06 41 02**±1.0	**16.4S**±.24	**174.1W**±.21	**33**	**3.9b**	**7**	**3-83**
EIDC	V 14 06 40 59.4	16.3S	174.1W	0	3.7b,2.9L		¶97v2401
NEIC	V 14 06 41 01.6	16.33S	174.03W	33	4.2b		
NEIC	Poor solution.						
EIDC	**V 15 11 57 28.4**	**15.9S**	**173.9W**	**67**	**3.4b,**4.3L		**3-83**
							¶97v2608
ISC	**V 15 14 12 43.9**±.47	**20.6S**±.14	**174.2W**±.11	**33**	**4.4b,3.4s**	**35**	**7-160**
EIDC	V 15 14 12 40.8	20.3S	174.3W	0	4.3b,3.4s		¶97v2629
NEIC	V 15 14 12 43.7	20.62S	174.24W	33	4.4b		
BJI	V 15 14 12 46.7	20.60S	174.20W	33			
ISC	**V 15 15 54 50.9**±.15	**17.07S**±.038	**173.46W**±.043	**41**±1.7*	**5.3b,5.0s**	**460**	**4-165**
EIDC	V 15 15 54 46.0	17.2S	173.3W	0	5.2b,4.5s		¶97v2643
NEIC	V 15 15 54 50.3	16.96S	173.52W	33	5.4b,5.1s		
BJI	V 15 15 54 51.6	16.38S	173.15W	32	5.3b,5.2s		
MOS	V 15 15 54 51.9	16.9S	173.8W	33	5.8b,4.9s		
HRVD	V 15 15 54 56.2±.2	16.96S±.03	172.91W±.03	31±2.1			
NEIC	Mw5.5(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c73; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.04; $M_{\theta\theta}$−0.54±.05; $M_{\phi\phi}$−0.68±.06; $M_{r\theta}$0.87±.11; $M_{r\phi}$−1.03±.11; $M_{\theta\phi}$0.54±.04. Principal Axes: T 1.83,Plg66°,Azm50°; N −0.07, Plg0°,Azm319°; P −1.76,Plg24°,Azm229°. Best double couple: $M_0$1.8×10^{17}Nm, NP1: ϕ_S319°,δ21°,λ90°. NP2:ϕ_S139°,δ69°,λ90°.						
EIDC	**V 16 14 16 59.6**	**17.2S**	**175.9W**	**0**	**4.1b**		**47-162**
							¶97v2786
ISC	**V 17 15 03 38**±1.6	**15.5S**±.70	**174.9W**±.36	**33**	**4.1b**	**8**	**3-163**
EIDC	V 17 15 03 35.3	15.1S	175.2W	0	3.7b,3.6L		¶97v2947
ISC	**V 18 02 57 43**±1.4	**17.2S**±.11	**175.36W**±.095	**264**±14	**4.3b**	**56**	**5-162**
EIDC	V 18 02 57 44.4	17.1S	175.4W	262	3.9b		¶97v3021
NEIC	V 18 02 57 47.0	17.23S	175.40W	300	4.6b		
ISC	**V 18 07 08 32.3**±.26	**20.66S**±.051	**174.62W**±.065	**58**±3.9*	**5.0b,4.3s**	**142**	**7-160**
EIDC	V 18 07 08 25.6	20.5S	174.5W	0	4.7b,4.0s		¶97v3044
MOS	V 18 07 08 32.6	20.6S	174.6W	59	5.2b		
BJI	V 18 07 08 32.6	20.60S	174.60W	62	5.3b,5.3s		
NEIC	V 18 07 08 32.6	20.64S	174.65W	62	5.1b		
EIDC	**V 19 00 39 48.2**	**17.2S**	**173.2W**	**0**	**3.8b**		**4-92**
							¶97v3173
ISC	**V 21 00 08 38**±4.3	**20.79S**±.046	**175.40W**±.046	**8**±25	**5.4b,4.6s**	**388**	**8-163**
EIDC	V 21 00 08 38.1	20.7S	175.3W	0	5.3b,4.2s		¶97v3482
MOS	V 21 00 08 45.1	20.7S	175.5W	50	5.8b,4.6s		
NEIC	V 21 00 08 46.4	20.81S	175.47W	70	5.4b,4.6s		
BJI	V 21 00 08 46.5	20.61S	174.75W	83	5.3b,5.4s		
HRVD	V 21 00 08 50.5±.3	20.97S±.03	174.71W±.02	88±1.9			
NEIC	Mw5.4(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c64; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.15±.03; $M_{\theta\theta}$−0.12±.07; $M_{\phi\phi}$−1.03±.06; $M_{r\theta}$−0.28±.04; $M_{r\phi}$−0.35±.04; $M_{\theta\phi}$0.23±.04. Principal Axes: T 1.28,Plg74°,Azm142°; N −0.16,Plg14°,Azm351°; P −1.13,Plg7°,Azm259°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S333°,δ40°,λ68°. NP2:ϕ_S182°,δ54°,λ107°.						
ISC	**V 21 07 44 49.2**±.19	**15.40S**±.056	**173.49W**±.063	**41**±4.1*	**5.0b,5.0s**	**219**	**2-166**
NEIC	V 21 07 44 48.2	15.29S	173.56W	33	5.1b,5.1s		¶97v3528
MOS	V 21 07 44 48.5	15.3S	173.5W	33	5.3b,5.0s		
BJI	V 21 07 44 49.2	15.30S	173.60W	33	4.7b,5.2s		
EIDC	V 21 07 44 49.7	15.2S	173.5W	33	4.6b,4.7s		
HRVD	V 21 07 44 56.6±.1	15.41S±.02	172.89W±.02	56±1.4			
NEIC	Mw5.6(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c94; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.72±.04; $M_{\theta\theta}$0.46±.06; $M_{\phi\phi}$1.26±.07; $M_{r\theta}$−0.70±.05; $M_{r\phi}$2.48±.06; $M_{\theta\phi}$−0.79±.04. Principal Axes: T 3.08,Plg28°,Azm245°; N 0.06, Plg7°,Azm339°; P −3.14,Plg61°,Azm82°. Best double couple: $M_0$3.1×10^{17}Nm, NP1:ϕ_S317°, δ18°,λ−114°. NP2:ϕ_S161°,δ73°,λ−82°.						
ISC	**V 21 14 30 26.9**±.84	**15.2S**±.27	**173.3W**±.20	**33**	**4.1b**	**11**	**20-146**
EIDC	V 21 14 30 23.3	15.2S	173.2W	0	4.2b		¶97v3569
NEIC	V 21 14 30 26.8	15.24S	173.20W	33	4.0b		
NEIC	Poor solution.						
ISC	**V 24 00 22 00**±2.5	**19.7S**±.82	**174.8W**±.60	**33**	**3.7b**	**7**	**41-150**
EIDC	V 24 00 21 58.2	19.4S	175.2W	0	3.7b		¶97v4024
EIDC	**V 25 01 15 31.0**	**18.2S**	**173.7W**	**0**	**3.5b**		**49-85**
							¶97v4196
ISC	**V 25 05 25 43**±1.7	**15.8S**±.53	**173.1W**±.46	**33**	**3.8b**	**7**	**2-83**
EIDC	V 25 05 25 39.5	15.7S	173.2W	0	3.9b,3.4L		¶97v4221
ISC	**V 25 09 15 34.4**±.19	**15.42S**±.050	**173.41W**±.061	**33**	**4.8b,4.6s**	**159**	**2-165**
EIDC	V 25 09 15 30.7	15.2S	173.3W	0	4.7b,4.1s		¶97v4250
MOS	V 25 09 15 35.2	15.3S	173.4W	36	5.4b,4.6s		
BJI	V 25 09 15 40.4	14.88S	173.59W	56	4.8b,5.0s		
NEIC	V 25 09 15 41.0	15.35S	173.53W	89	4.9b		
ISC	**V 26 16 07 15**±1.2	**21.8S**±.17	**175.1W**±.22	**33**	**4.1b**	**7**	**18-93**
EIDC	V 26 16 07 10.4	21.9S	174.9W	0	3.8b		¶97v4439
NEIC	V 26 16 07 14.4	21.86S	175.00W	33	4.0b		
NEIC	Poor solution.						
ISC	**V 26 18 04 45**±1.9	**18.7S**±.14	**175.9W**±.18	**203**±22	**3.5b**	**15**	**6-149**
NEIC	V 26 18 04 45.1	18.47S	176.03W	200	3.9b		¶97v4448
EIDC	V 26 18 04 45.8	18.5S	175.9W	197	3.4b		
NEIC	Poor solution.						
ISC	**V 27 08 00 31.7**±.16	**15.35S**±.036	**173.21W**±.043	**33**	**5.5b,6.2s**	**483**	**2-166**
EIDC	V 27 08 00 27.3	15.4S	173.1W	0	5.3b,6.0s		¶97v4535
NEIC	V 27 08 00 29.0	15.21S	173.33W	14	5.6b,6.3s		
BJI	V 27 08 00 29.6	15.12S	173.39W	8	6.0b,6.2s		
MOS	V 27 08 00 32.8	15.1S	173.4W	33	6.0b,6.1s		
HRVD	V 27 08 00 38.7±.1	15.27S±.01	172.79W±.01	17			
NEIC	Mw6.4(HRV), Me5.9(GS).						
NEIC	Radiated energy from the USGS moment tensor solution: 1.5±0.2×10^{13}Nm/17						
NEIC	Mw 6.3 (GS). Ms 6.4 (BRK). Mo=7.4×10^{18}Nm (PPT). Two events about 1.5 seconds apart. Depth from synthetics of broadband displacement seismograms based on first event.						
NEIC	Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}1.75; $M_{\theta\theta}$0.11; $M_{\phi\phi}$−1.86; $M_{r\theta}$0.56; $M_{r\phi}$1.61; $M_{\theta\phi}$1.10. Depth 7km; Principal axes: T 2.71,Plg59°,Azm312°; N 0.02,Plg25°,Azm170°; P −2.73,Plg17°,Azm72°. Best double couple: $M_0$2.7×10^{18}Nm; NP1:ϕ_S129°,δ36°,λ43°. NP2: ϕ_S2°,δ66°,λ118°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c131; Mantle waves: s51,c103; Half duration: 3s9. Moment tensor: Scale 10^{18}Nm; M_{rr}2.56±.02; $M_{\theta\theta}$0.57±.02; $M_{\phi\phi}$−3.13±.02; $M_{r\theta}$0.20±.05; $M_{r\phi}$2.94±.06; $M_{\theta\phi}$0.81±.01. Principal Axes: T 3.89,Plg65°,Azm291°; N 0.58,Plg11°,Azm176°; P −4.47,Plg22°,Azm82°. Best double couple: $M_0$4.2×10^{18}Nm, NP1:ϕ_S151°,δ25°,λ63°. NP2:ϕ_S1°,δ68°,λ102°.						

ISC	**V**	**27 08 18 02.7**±.53	**15.4S**±.13	**173.2W**±.12	**33**	**4.3b**	**31**	**2-165**
EIDC	V	27 08 17 58.8	15.4S	173.1W	0	4.2b		**¶97v4538**
MOS	V	27 08 18 02.6	15.3S	173.2W	33	5.1b		
BJI	V	27 08 18 02.7	15.40S	173.20W	33	4.9b		
NEIC	V	27 08 18 02.7	15.40S	173.21W	33	4.8b		
NEIC	Less reliable solution.							
ISC	**V**	**27 17 18 25**±1.7	**15.4S**±.80	**174.3W**±.52	**33**	**3.7b,**2.9s	**6**	**43-146**
EIDC	V	27 17 18 21.4	14.8S	174.6W	0	3.7b,2.9s		**¶97v4594**
ISC	**V**	**28 04 37 35.4**±.59	**15.1S**±.20	**173.4W**±.17	**33**	**4.0b,**3.3s	**15**	**2-146**
EIDC	V	28 04 37 31.0	15.0S	173.2W	0	4.0b,3.2s		**¶97v4657**
NEIC	V	28 04 37 35.3	15.13S	173.42W	33	3.7b		
NEIC	Less reliable solution.							
EIDC	**V**	**29 03 13 37.6**	**15.9S**	**175.5W**	**190**	**3.7b**		**4-91**
								¶97v4808
ISC	**V**	**29 13 46 48.0**±.45	**15.4S**±.12	**173.4W**±.11	**33**	**4.4b,4.4s**	**32**	**2-146**
EIDC	V	29 13 46 44.7	15.3S	173.5W	0	4.4b,4.0s		**¶97v4875**
BJI	V	29 13 46 47.9	15.30S	173.40W	33	4.8b		
NEIC	V	29 13 46 47.9	15.33S	173.42W	33	4.7b,5.2s		
MOS	V	29 13 46 48.5	15.3S	173.6W	33	4.9b		
NEIC	Less reliable solution.							
ISC	**V**	**29 21 26 05.4**±.48	**20.5S**±.12	**174.3W**±.11	**33**	**4.4b,3.8s**	**44**	**7-154**
BJI	V	29 21 26 05.4	20.30S	174.30W	33	5.0b		**¶97v4925**
NEIC	V	29 21 26 05.4	20.34S	174.35W	33	4.4b		
EIDC	V	29 21 26 07.0	20.4S	174.2W	41	4.1b,4.0s		
MOS	V	29 21 26 10.4	20.9S	175.0W	33	4.8b		
NEIC	Less reliable solution.							
ISC	**V**	**31 23 46 11**±1.6	**15.5S**±.24	**175.0W**±.21	**285**±19	**3.7b**	**14**	**4-146**
EIDC	V	31 23 46 12.1	15.6S	175.0W	280	3.4b		**¶97v5258**
NEIC	V	31 23 46 12.5	15.61S	174.93W	300	4.1b		
NEIC	Poor solution.							
ISC	**VI**	**01 01 46 45**±2.0	**15.1S**±.70	**173.1W**±.46	**33**	**3.7b,**2.8s	**12**	**2-146**
EIDC	VI	01 01 46 41.4	15.4S	173.0W	0	3.7b,2.8s		**¶97vi0012**
ISC	**VI**	**01 07 55 36.0**±.39	**15.2S**±.12	**173.2W**±.13	**33**	**4.3b,4.4s**	**74**	**2-148**
EIDC	VI	01 07 55 31.9	15.2S	173.0W	0	4.2b,3.2s		**¶97vi0041**
NEIC	VI	01 07 55 35.8	15.20S	173.13W	33	4.7b,4.5s		
MOS	VI	01 07 55 37.0	15.2S	173.8W	33	4.9b,4.3s		
BJI	VI	01 07 55 38.0	15.20S	173.10W	33	4.8b		
EIDC	**VI**	**01 21 58 03.7**	**15.9S**	**175.7W**	**0**	**3.6b**		**48-83**
								¶97vi0139
ISC	**VI**	**02 15 51 39**±3.3	**18.1S**±.91	**175.5W**±.71	**250**	**3.6b**	**5**	**6-47**
EIDC	VI	02 15 51 40.3	18.1S	175.5W	249	3.5b		**¶97vi0264**
ISC	**VI**	**05 15 26 51**±2.5	**19.39S**±.063	**175.21W**±.056	**101**±23	**5.0b**	**155**	**15-164**
NEIC	VI	05 15 26 55.0	19.33S	175.26W	139	5.2b		**¶97vi0795**
MOS	VI	05 15 26 55.8	19.2S	175.3W	141	5.5b		
EIDC	VI	05 15 26 55.9	19.3S	175.2W	135	4.5b		
BJI	VI	05 15 26 56.3	19.10S	175.32W	138	5.2b		
EIDC	**VI**	**06 04 06 26.6**	**16.6S**	**175.3W**	**0**	**4.1b**		**42-84**
								¶97vi0881
ISC	**VI**	**06 08 34 16**±4.1	**18.4S**±.94	**173.5W**±.84	**194**	**3.4b**	**5**	**38-85**
EIDC	VI	06 08 34 17.7	18.4S	173.5W	194	3.3b		**¶97vi0914**
ISC	**VI**	**06 11 03 32**±3.9	**21.8S**±.90	**175.7W**±.74	**33**	**4.0b**	**5**	**36-89**
EIDC	VI	06 11 03 27.2	21.9S	175.4W	0	3.9b		**¶97vi0928**
ISC	**VI**	**08 09 13 15**±1.2	**18.2S**±.13	**175.3W**±.22	**200**	**4.1b**	**24**	**18-161**
NEIC	VI	08 09 13 15.6	18.20S	175.33W	200			**¶97vi1206**
EIDC	VI	08 09 13 17.6	18.2S	175.3W	208	4.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**08 09 39 04**±2.3	**15.0S**±.24	**174.4W**±.22	**124**±23	**3.9b**	**10**	**3-146**
EIDC	VI	08 09 38 50.4	14.9S	174.3W	0	4.0b		**¶97vi1214**
NEIC	VI	08 09 38 53.8	14.98S	174.33W	33			
NEIC	Poor solution.							
EIDC	**VI**	**08 11 59 19.6**	**17.0S**	**173.6W**	**0**	**3.4b**		**49-62**
								¶97vi1233
EIDC	**VI**	**08 12 04 00.1**	**17.4S**	**174.8W**	**0**	**4.0b**		**42-48**
								¶97vi1234
EIDC	**VI**	**08 17 36 55.2**	**15.0S**	**175.2W**	**0**	**3.8b**		**4-83**
								¶97vi1270
EIDC	**VI**	**15 00 12 43.5**	**16.0S**	**174.0W**	**0**	**4.2b**		**38-49**
								¶97vi2193
ISC	**VI**	**17 08 25 59.9**±.34	**15.6S**±.11	**174.78W**±.087	**33**	**4.5b,4.8s**	**142**	**3-167**
EIDC	VI	17 08 25 58.3	15.6S	174.8W	19	4.3b,4.4s		**¶97vi2577**
NEIC	VI	17 08 25 59.7	15.55S	174.82W	33	4.7b,4.9s		
BJI	VI	17 08 26 00.8	16.14S	175.44W	13	5.3b		
HRVD	VI	17 08 26 01.8±.3	15.84S±.04	174.52W±.04	20±3.6			
MOS	VI	17 08 26 02.8	16.1S	175.2W	33	5.0b,4.7s		
NEIC	Mw5.3(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c66; Half duration: 1τ1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.09±.02; $M_{\theta\theta}$−0.98±.03; $M_{\phi\phi}$1.07±.03; $M_{r\theta}$0.12±.06; $M_{r\phi}$−0.17±.07; $M_{\theta\phi}$−0.44±.03. Principal Axes: T 1.19,Plg8°,Azm78°; N −0.11, Plg81°,Azm289°; P −1.07,Plg5°,Azm169°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S214°,δ81°,λ2°. NP2:ϕ_S123°,δ88°,λ171°.

ISC	**VI**	**18 00 03 06**±1.8	**15.6S**±.54	**174.4W**±.36	**154**±20	**4.2b**	**12**	**3-146**
NEIC	VI	18 00 03 05.7	15.62S	174.39W	150	4.8b		**¶97vi2706**
EIDC	VI	18 00 03 07.2	15.5S	174.4W	148	3.4b		
NEIC	Poor solution.							
EIDC	**VI**	**18 07 39 51.6**	**15.5S**	**175.2W**	**0**	**4.1b,**4.5L		**4-48**
								¶97vi2746
EIDC	**VI**	**18 08 24 46.2**	**19.0S**	**175.3W**	**0**	**3.6b**		**41-47**
								¶97vi2755
EIDC	**VI**	**19 07 14 05.0**	**15.8S**	**173.5W**	**0**	**4.1b**		**36-132**
								¶97vi2876
ISC	**VI**	**19 07 21 01**±2.2	**18.5S**±.26	**175.6W**±.21	**186**±20	**4.3b**	**17**	**6-149**
NEIC	VI	19 07 21 02.4	18.44S	175.67W	200	4.4b		**¶97vi2877**
EIDC	VI	19 07 21 03.0	18.4S	175.6W	198	4.0b		
NEIC	Less reliable solution.							
EIDC	**VI**	**21 03 14 19.2**	**16.0S**	**174.5W**	**0**	**4.0b**		**37-49**
								¶97vi3145
ISC	**VI**	**23 12 26 40.0**±.56	**15.1S**±.21	**173.8W**±.15	**33**	**4.2b**	**20**	**2-154**
EIDC	VI	23 12 26 36.6	15.0S	173.8W	0	4.3b,4.4L		**¶97vi3527**
NEIC	VI	23 12 26 40.0	15.14S	173.79W	33	4.2b		
NEIC	Less reliable solution.							
EIDC	**VI**	**24 06 14 27.5**	**15.3S**	**173.7W**	**0**	**4.0b**		**44-63**
								¶97vi3656
ISC	**VI**	**25 00 07 48**±6.8	**21.8S**±.22	**174.6W**±.21	**152**±59	**4.0b**	**27**	**18-159**
NEIC	VI	25 00 07 43.6	22.31S	174.36W	124	4.6b		**¶97vi3804**
EIDC	VI	25 00 07 44.8	22.4S	174.4W	123	3.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**25 15 35 18**±3.8	**21.2S**±.64	**175.3W**±.61	**33**	**4.0b**	**8**	**47-151**
EIDC	VI	25 15 35 09.3	21.9S	174.5W	0	4.0b		**¶97vi3977**
ISC	**VI**	**25 16 14 41**±2.4	**19.9S**±.77	**173.9W**±.54	**33**	**3.9b**	**8**	**42-151**
EIDC	VI	25 16 14 37.6	19.7S	174.0W	0	3.9b		**¶97vi3980**
ISC	**VI**	**25 16 16 53**±2.1	**15.6S**±.71	**173.4W**±.52	**33**	**3.9b**	**9**	**2-146**
EIDC	VI	25 16 16 49.3	15.6S	173.4W	0	3.9b,3.7L		**¶97vi3981**
ISC	**VI**	**26 01 47 05.6**±.81	**17.4S**±.21	**173.2W**±.17	**33**	**4.0b**	**14**	**4-148**
EIDC	VI	26 01 47 01.9	17.2S	173.1W	0	3.9b,3.6L		**¶97vi4068**
NEIC	VI	26 01 47 05.4	17.13S	173.21W	33	4.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**28 06 19 29.1**±.26	**16.05S**±.077	**173.13W**±.078	**33**	**4.5b,4.3s**	**156**	**2-165**
EIDC	VI	28 06 19 26.0	15.9S	173.3W	0	4.5b,4.2s		**¶97vi4433**
NEIC	VI	28 06 19 29.2	16.01S	173.15W	33	4.7b,4.3s		
MOS	VI	28 06 19 29.3	16.1S	173.1W	33	4.9b,4.2s		
BJI	VI	28 06 19 31.4	16.09S	173.30W	41	4.8b		
ISC	**VI**	**29 00 41 41.4**±.56	**19.5S**±.15	**173.2W**±.11	**48**±1.7*	**4.6b**	**59**	**6-162**
NEIC	VI	29 00 41 39.9	19.24S	173.30W	33	4.7b		**¶97vi4546**
MOS	VI	29 00 41 41.4	19.1S	173.5W	33	5.1b		
EIDC	VI	29 00 41 42.5	19.3S	173.3W	43	4.3b,4.3L		
BJI	VI	29 00 41 44.5	19.48S	173.65W	52	4.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**29 05 08 48**±2.1	**17.0S**±.73	**175.5W**±.51	**250**	**3.7b**	**8**	**5-147**
EIDC	VI	29 05 08 47.6	16.9S	175.6W	232	3.6b		**¶97vi4573**

(174) Tonga region.

ISC	**I**	**01 13 15 16**±1.9	**22.1S**±.93	**174.6W**±.41	**33**	**4.0b**	**6**	**37-85**
EIDC	I	01 13 15 12.0	22.3S	174.5W	0	3.8b		**¶97i0077**
NEIC	I	01 13 15 15.8	22.18S	174.59W	33	4.3b		
NEIC	Poor solution.							
ISC	**I**	**03 03 56 07.4**±.40	**22.80S**±.088	**175.35W**±.084	**5**	**4.7b**	**61**	**7-158**
EIDC	I	03 03 56 07.9	22.8S	175.3W	0	4.5b		**¶97i0312**
BJI	I	03 03 56 09.6	21.91S	175.06W	5	5.2b		
NEIC	I	03 03 56 11.6	22.81S	175.39W	33	4.8b		
EIDC	**I**	**07 14 31 47.3**	**23.8S**	**174.1W**	**0**	**3.9b**		**40-48**
								¶97i0932
EIDC	**I**	**11 09 11 23.0**	**18.8S**	**172.4W**	**0**	**4.2b**		**39-50**
								¶97i1497
EIDC	**I**	**11 13 40 12.9**	**19.5S**	**171.1W**	**0**	**3.7b**		**44-51**
								¶97i1529
EIDC	**I**	**12 02 03 59.9**	**18.4S**	**171.1W**	**0**	3.8b		**45-51**
								¶97i1611
ISC	**I**	**12 14 39 28**±2.3	**18.2S**±.34	**172.0W**±.37	**33**	**4.4b**	**7**	**44-88**
EIDC	I	12 14 39 23.8	18.1S	171.9W	0	4.4b		**¶97i1697**
NEIC	I	12 14 39 28.2	18.24S	172.02W	33	4.5b		
NEIC	Poor solution.							
EIDC	**I**	**13 07 30 25.0**	**18.6S**	**172.4W**	**0**	**4.3b**		**39-50**
								¶97i1797
ISC	**I**	**13 08 00 30.1**±.96	**20.5S**±.23	**172.9W**±.18	**33**	**4.3b**	**12**	**19-95**
EIDC	I	13 08 00 28.7	19.6S	173.4W	0	4.2b		**¶97i1802**
EIDC	**I**	**13 10 40 00.4**	**22.3S**	**175.2W**	**0**	**4.0b**		**47-97**
								¶97i1823
ISC	**I**	**14 11 07 02.0**±.91	**23.5S**±.46	**174.4W**±.16	**33**	**4.3b**	**12**	**14-158**
EIDC	I	14 11 07 00.0	23.0S	174.7W	0	4.4b		**¶97i1984**
NEIC	I	14 11 07 03.9	23.24S	174.75W	33	4.2b		
NEIC	Poor solution.							
EIDC	**I**	**14 17 18 27.7**	**22.4S**	**172.4W**	**0**	**4.1b**		**39-50**
								¶97i2026
EIDC	**I**	**15 15 12 12.8**	**23.1S**	**172.9W**	**0**	**4.0b**		**38-49**
								¶97i2170
EIDC	**I**	**19 09 10 15.7**	**23.1S**	**174.0W**	**0**	**3.8b**		**40-48**
								¶97i2809
EIDC	**I**	**20 19 45 23.8**	**22.2S**	**174.0W**	**0**	**4.0b**		**48-153**
								¶97i3072
EIDC	**I**	**21 13 31 38.8**	**19.9S**	**166.7W**	**0**	**4.0b**		**48-86**
								¶97i3186
EIDC	**I**	**22 00 39 04.0**	**23.2S**	**174.3W**	**0**	**4.0b**		**40-48**
								¶97i3256
ISC	**I**	**22 04 24 01.8**±.33	**22.1S**±.11	**175.76W**±.082	**33**	**4.9b,4.4s**	**141**	**7-162**
EIDC	I	22 04 23 57.8	22.0S	175.7W	0	4.8b,4.2s		**¶97i3279**
NEIC	I	22 04 24 01.5	22.18S	175.71W	33	5.0b,4.4s		
EIDC	**I**	**25 13 11 52.1**	**23.9S**	**175.5W**	**0**	**3.8b**		**39-143**
								¶97i3817
EIDC	**II**	**02 18 17 18.6**	**22.7S**	**172.7W**	**0**	**4.2b**		**38-49**
								¶97ii0258
EIDC	**II**	**02 21 19 27.7**	**21.2S**	**172.1W**	**0**	**4.4b**		**39-50**
								¶97ii0281
ISC	**II**	**04 02 47 17**±5.5	**19.9S**±.60	**172.3W**±.66	**33**	**4.6b**	**14**	**20-56**
EIDC	II	04 02 47 21.2	20.1S	173.3W	0	4.5b		**¶97ii0449**
EIDC	**II**	**07 08 20 42.8**	**22.9S**	**167.7W**	**0**	**3.8b**		**46-54**
								¶97ii0968
EIDC	**II**	**07 22 48 07.8**	**23.3S**	**173.5W**	**84**	**3.4b**		**40-75**
								¶97ii1052
EIDC	**II**	**11 00 24 57.1**	**18.5S**	**171.5W**	**0**	**4.2b**		**40-51**
								¶97ii1557
ISC	**II**	**18 17 01 40**±3.7	**22.7S**±.84	**174.9W**±.67	**33**	**4.5b**	**7**	**36-90**
EIDC	II	18 17 01 35.1	22.7S	174.8W	0	4.4b		**¶97ii2672**
NEIC	II	18 17 01 39.5	22.73S	174.91W	33	4.5b		
NEIC	Poor solution.							
EIDC	**II**	**19 00 48 45.5**	**17.5S**	**169.2W**	**0**	**4.3b,**4.0s		**53-73**
								¶97ii2714
ISC	**II**	**19 02 13 37**±1.1	**22.8S**±.31	**175.0W**±.18	**33**	**4.5b,**3.9s	**22**	**14-158**
EIDC	II	19 02 13 33.3	22.9S	174.9W	0	4.4b,3.8s		**¶97ii2723**
BJI	II	19 02 13 37.0	22.70S	175.10W	33	4.9b		
NEIC	II	19 02 13 37.0	22.73S	175.06W	33	4.5b		
NEIC	Less reliable solution.							
ISC	**II**	**19 12 57 03**±1.5	**21.6S**±.23	**170.7W**±.31	**33**	**4.2b**	**5**	**40-88**
EIDC	II	19 12 56 59.9	21.4S	170.7W	0	4.2b		**¶97ii2795**
ISC	**II**	**26 12 47 45**±5.1	**23.5S**±.73	**173.1W**±.81	**33**	**4.4b**	**11**	**35-95**
EIDC	II	26 12 47 40.3	23.2S	172.8W	0	4.3b		**¶97ii3789**
EIDC	**II**	**26 13 07 53.2**	**23.1S**	**175.6W**	**0**	**4.1b**		**32-74**
								¶97ii3792
ISC	**II**	**27 12 51 10.9**±.23	**22.69S**±.047	**174.60W**±.047	**37**±1.4*	**5.4b,5.3s**	**227**	**7-161**
EIDC	II	27 12 51 06.8	22.5S	174.8W	0	5.0b,5.2s		**¶97ii3958**
BJI	II	27 12 51 09.8	22.50S	174.89W	25	5.8b,5.4s		
MOS	II	27 12 51 10.9	22.5S	174.7W	33	5.6b,5.2s		
NEIC	II	27 12 51 11.0	22.48S	174.87W	33	5.4b,5.4s		
HRVD	II	27 12 51 12.4±.2	22.80S±.04	174.13W±.03	15			
NEIC	Mw5.5(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c46; Half duration: 1τ3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.44±.05; $M_{\theta\theta}$−0.07±.08; $M_{\phi\phi}$−1.38±.07; $M_{r\theta}$−0.03±.13; $M_{r\phi}$0.52±.13; $M_{\theta\phi}$−1.05±.06. Principal Axes: T 1.57,Plg74°,Azm235°; N 0.45, Plg14°,Azm26°; P −2.01,Plg7°,Azm118°. Best double couple: $M_0$1.8×10^{17}Nm, NP1:ϕ_S224°, δ40°,λ113°. NP2:ϕ_S16°,δ54°,λ72°.

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**II**	**28 05 40 12.5**	**23.3S**	**173.3W**	**0**	**4.0b**		**38-49**
								¶97ii4146
ISC	**II**	**28 08 23 20.1**±.38	**23.27S**±.097	**175.30W**±.071	**40**±.9*	**4.9b,5.1s**	**64**	**6-153**
EIDC	II	28 08 23 14.7	23.4S	175.2W	0	5.0s,4.5b		**¶97ii4182**
MOS	II	28 08 23 17.7	23.7S	175.2W	33	5.4b		
NEIC	II	28 08 23 19.1	23.22S	175.33W	33	4.9b,5.2s		
BJI	II	28 08 23 21.3	22.46S	174.55W	45	5.4b,5.4s		
HRVD	II	28 08 23 25.4±.9	23.26S±.08	175.09W±.07	21±3.4			
NEIC	Mw5.4(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s22,c29; Half duration: 1$\dot{s}$2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.08; $M_{\theta\theta}$−0.32±.14; $M_{\phi\phi}$−0.73±.09; $M_{r\theta}$−0.12±.22; $M_{r\phi}$0.56±.20; $M_{\theta\phi}$−0.69±.09. Principal Axes: T 1.28,Plg67°,Azm237°; N 0.04, Plg21°,Azm30°; P −1.31,Plg10°,Azm124°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S237°,δ40°,λ123°. NP2:ϕ_S17°,δ58°,λ65°.							
ISC	**II**	**28 09 42 21**±2.7	**22.3S**±.98	**171.0W**±.56	**33**	**3.7b**	**4**	**50-89**
EIDC	II	28 09 42 17.9	22.2S	170.9W	0	3.6b		**¶97ii4203**
ISC	Poorly determined							
EIDC	**III**	**02 08 49 18.5**	**21.9S**	**173.0W**	**0**	**4.3b**		**38-49**
								¶97iii0270
ISC	**III**	**03 14 21 45**±1.9	**18.9S**±.30	**172.8W**±.36	**33**	**3.9b**	**5**	**5-86**
EIDC	III	03 14 21 40.5	19.0S	172.7W	0	3.8b		**¶97iii0605**
EIDC	**III**	**04 00 48 37.4**	**18.5S**	**171.9W**	**0**	**4.4b**		**39-51**
								¶97iii0733
EIDC	**III**	**04 13 30 17.1**	**17.9S**	**170.9W**	**0**	**4.3b**		**45-52**
								¶97iii0851
EIDC	**III**	**06 23 31 02.4**	**21.5S**	**171.4W**	**0**	**4.2b**		**40-75**
								¶97iii1374
ISC	**III**	**07 00 01 40.4**±.38	**23.3S**±.10	**175.25W**±.078	**36**±3.2*	**5.0b,5.1s**	**125**	**6-162**
EIDC	III	07 00 01 36.0	23.2S	175.4W	0	4.6b,4.9s		**¶97iii1378**
BJI	III	07 00 01 40.0	23.20S	175.40W	33	5.4b,5.4s		
NEIC	III	07 00 01 40.0	23.17S	175.41W	33	4.9b,5.1s		
HRVD	III	07 00 01 43.2±.9	23.68S±.11	175.17W±.09	40±6.7			
MOS	III	07 00 01 45.8	21.9S	175.9W	33	5.6b		
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1$\dot{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.82±.75; $M_{\theta\theta}$−0.13±1.27; $M_{\phi\phi}$−4.69±.85; $M_{r\theta}$2.89±1.13; $M_{r\phi}$3.64±1.18; $M_{\theta\phi}$−3.16±.82. Principal Axes: T 6.59,Plg68°,Azm324°; N 1.35,Plg9°,Azm212°; P −7.95,Plg20°,Azm119°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S195°,δ26°,λ70°. NP2:ϕ_S36°,δ65°,λ99°.							
ISC	**III**	**07 02 59 06.1**±.45	**23.2S**±.12	**175.33W**±.097	**39**±1.2*	**4.8b**,5.6s	**67**	**6-158**
EIDC	III	07 02 59 04.8	22.3S	176.5W	30	4.1b		**¶97iii1409**
BJI	III	07 02 59 05.0	23.00S	175.50W	33	5.3b		
NEIC	III	07 02 59 05.0	23.04S	175.48W	33	4.8b		
MOS	III	07 02 59 05.9	23.1S	175.3W	33	4.8b		
NEIC	Less reliable solution.							
ISC	**III**	**07 03 03 17.7**±.43	**23.2S**±.11	**175.5W**±.10	**33**	**4.6b**,5.3s	**65**	**6-162**
EIDC	III	07 03 03 18.8	22.2S	176.0W	16	4.4b,5.4L		**¶97iii1411**
NEIC	III	07 03 03 19.3	22.33S	175.98W	33	4.6b		
MOS	III	07 03 03 19.6	22.7S	175.9W	33	4.8b		
BJI	III	07 03 03 21.3	22.30S	175.90W	33	5.4b,5.6s		
NEIC	Less reliable solution.							
ISC	**III**	**07 03 04 03**±3.2	**23.30S**±.084	**175.39W**±.079	**69**±28	**5.2b**	**140**	**10-161**
BJI	III	07 03 03 56.6	23.20S	175.30W	26	5.9b,5.6s		**¶97iii1412**
MOS	III	07 03 03 58.8	23.2S	175.4W	33	5.1b,5.5s		
NEIC	III	07 03 04 00.0	22.38S	175.90W	33	5.1b,5.7s		
HRVD	III	07 03 04 00.5±.3	22.42S±.04	176.24W±.04	33			
NEIC	Mw5.9(GS), Mw5.7(HRV), Less reliable solution.							
NEIC	Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−0.03; $M_{\theta\theta}$0.32; $M_{\phi\phi}$−0.28; $M_{r\theta}$3.30; $M_{r\phi}$6.49; $M_{\theta\phi}$−0.85. Depth 3km; Principal axes: T 6.86,Plg47°,Azm294°; N 0.88,Plg2°, Azm27°; P −7.74,Plg43°,Azm119°. Best double couple: $M_0$7.3×10^{17}Nm; NP1:ϕ_S259°,δ3°, λ143°. NP2:ϕ_S27°,δ88°,λ88°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c55; Half duration: 2$\dot{s}$0. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.90±.06; $M_{\theta\theta}$−0.63±.11; $M_{\phi\phi}$1.53±.11; $M_{r\theta}$0.56±.14; $M_{r\phi}$3.00±.16; $M_{\theta\phi}$2.19±.07. Principal Axes: T 4.45,Plg29°,Azm297°; N −1.23, Plg32°,Azm187°; P −3.22,Plg44°,Azm59°. Best double couple: $M_0$3.8×10^{17}Nm, NP1:ϕ_S77°, δ33°,λ−16°. NP2:ϕ_S181°,δ81°,λ−122°.							
ISC	**III**	**07 08 17 40**±2.7	**23S**±1.0	**175.4W**±.45	**33**	**3.9b**	**5**	**47-93**
EIDC	III	07 08 17 37.4	22.8S	175.6W	0	3.9b		**¶97iii1474**
ISC	**III**	**07 08 56 17**±1.7	**22.6S**±.61	**175.2W**±.37	**33**	**3.9b**	**8**	**39-97**
EIDC	III	07 08 56 13.3	22.7S	175.2W	0	3.9b		**¶97iii1483**
NEIC	III	07 08 56 17.1	22.70S	175.20W	33			
NEIC	Poor solution.							
ISC	**III**	**07 09 44 14**±1.3	**23.3S**±.16	**175.8W**±.22	**44**±1.2*	**4.6b**,3.9s	**22**	**10-151**
NEIC	III	07 09 44 13.4	23.31S	175.76W	33	4.4b		**¶97iii1491**
BJI	III	07 09 44 15.1	23.40S	175.44W	60	5.2b		
EIDC	III	07 09 44 17.8	23.4S	176.0W	44	4.3b,3.9s		
NEIC	Poor solution.							
ISC	**III**	**08 17 20 22.2**±.78	**22.6S**±.21	**174.9W**±.14	**33**	**4.6b**,5.5s	**55**	**14-156**
EIDC	III	08 17 20 17.6	22.5S	174.8W	0	4.4b		**¶97iii1799**
MOS	III	08 17 20 22.3	22.4S	175.1W	33	4.7b		
BJI	III	08 17 20 22.4	22.40S	175.00W	33	5.2b		
NEIC	III	08 17 20 22.4	22.40S	175.03W	33	4.7b		
NEIC	Less reliable solution.							
ISC	**III**	**09 23 22 50**±1.8	**23.7S**±.68	**175.3W**±.38	**33**	**4.1b**	**11**	**39-154**
EIDC	III	09 23 22 47.4	23.5S	175.4W	0	4.0b		**¶97iii2108**
EIDC	**III**	**10 06 52 55.4**	**20.1S**	**170.9W**	**0**	**3.9b**		**51-87**
								¶97iii2156
ISC	**III**	**12 01 55 01.7**±.46	**23.6S**±.12	**175.37W**±.085	**41**±1.5*	**4.8b**,5.0s	**68**	**10-162**
EIDC	III	12 01 54 57.2	23.3S	175.5W	0	4.5b,4.9L		**¶97iii2469**
NEIC	III	12 01 55 00.9	23.45S	175.51W	33	5.0b,4.9s		
MOS	III	12 01 55 03.0	23.0S	175.7W	33	5.8b		
BJI	III	12 01 55 05.5	23.00S	176.29W	33	5.3b		
NEIC	Less reliable solution.							
EIDC	**III**	**12 12 16 44.5**	**19.7S**	**172.9W**	**0**	**3.9b**		**42-49**
								¶97iii2535
ISC	**III**	**13 08 36 15**±4.3	**23.2S**±.85	**175.7W**±.70	**33**	**4.2b**	**8**	**35-93**
EIDC	III	13 08 36 10.1	23.2S	175.6W	0	4.1b		**¶97iii2676**
EIDC	**III**	**13 09 27 59.6**	**20.2S**	**169.6W**	**0**	**3.6b**		**45-52**
								¶97iii2679
ISC	**III**	**15 00 50 59.9**±.30	**23.45S**±.071	**175.47W**±.070	**33**±4.2*	**4.9b,5.2s**	**114**	**6-161**
EIDC	III	15 00 50 56.3	23.2S	175.6W	0	4.5b,5.1s		**¶97iii2970**
BJI	III	15 00 50 59.2	23.52S	175.72W	27	5.3b,5.4s		
NEIC	III	15 00 50 59.9	23.33S	175.56W	33	4.8b,5.3s		
MOS	III	15 00 51 00.6	23.3S	175.5W	33	5.2b,5.3s		
EIDC	**III**	**15 08 50 42.0**	**23.9S**	**175.0W**	**0**	**4.0b**		**39-91**
								¶97iii3020
ISC	**III**	**18 08 49 48**±1.9	**23.3S**±.71	**175.5W**±.33	**33**	**4.0b**	**13**	**36-139**
EIDC	III	18 08 49 44.7	23.1S	175.5W	0	4.0b		**¶97iii3512**
NEIC	III	18 08 49 47.8	23.31S	175.46W	33	4.4b		
NEIC	Poor solution.							
EIDC	**III**	**19 02 13 55.0**	**23.5S**	**170.3W**	**0**	**4.1b**		**40-51**
								¶97iii3613
ISC	**III**	**19 11 25 02**±6.3	**23.2S**±.76	**175.3W**±.71	**33**	**4.2b**	**10**	**33-55**
EIDC	III	19 11 24 55.6	22.8S	175.0W	0	4.2b		**¶97iii3695**
ISC	**III**	**24 03 38 30.4**±.46	**23.2S**±.12	**175.5W**±.10	**23**	**4.4b**	**42**	**15-153**
NEIC	III	24 03 38 30.0	23.16S	175.56W	23	4.8b		**¶97iii4520**
EIDC	III	24 03 38 31.7	23.1S	175.5W	26	4.1b,4.3L		
BJI	III	24 03 38 32.9	23.53S	175.63W	37	5.2b		
NEIC	Less reliable solution.							
EIDC	**III**	**26 22 52 44.7**	**18.7S**	**170.8W**	**0**	**4.1b**		**45-52**
								¶97iii5086
EIDC	**III**	**27 13 44 08.8**	**21.3S**	**166.8W**	**0**	**3.8b**		**47-93**
								¶97iii5238
EIDC	**III**	**28 09 43 43.4**	**19.0S**	**166.1W**	**0**	3.9b		**49-56**
								¶97iii5410
ISC	**III**	**28 22 57 09.9**±.65	**23.5S**±.14	**175.5W**±.12	**34**±2.9*	**4.5b**	**46**	**6-157**
BJI	III	28 22 57 05.4	23.22S	175.54W	5	5.2b		**¶97iii5497**
NEIC	III	28 22 57 10.0	23.46S	175.60W	33	4.3b		
EIDC	III	28 22 57 11.4	23.4S	175.6W	31	4.2b,4.5L		
NEIC	Less reliable solution.							
ISC	**III**	**29 09 13 32.6**±.47	**23.0S**±.13	**175.5W**±.11	**33**	**4.2b**,4.2s	**40**	**15-158**
EIDC	III	29 09 13 29.5	22.8S	175.7W	0	4.2b,4.2s		**¶97iii5564**
BJI	III	29 09 13 32.4	23.00S	175.50W	33			
NEIC	III	29 09 13 32.4	23.01S	175.49W	33	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**29 09 15 13.3**±.68	**22.9S**±.20	**175.5W**±.13	**33**	**4.4b**,5.0s	**25**	**10-158**
NEIC	III	29 09 15 13.0	22.85S	175.54W	33			**¶97iii5566**
EIDC	III	29 09 15 15.0	22.7S	175.6W	35	4.0b		
BJI	III	29 09 15 15.4	22.03S	176.17W	6	5.3b		
NEIC	Poor solution.							
EIDC	**III**	**30 00 32 17.3**	**22.4S**	**174.0W**	**0**	**4.3b**		**37-48**
								¶97iii5672
EIDC	**III**	**31 09 44 19.7**	**17.8S**	**171.4W**	**0**	**4.2b**		**40-89**
								¶97iii5871
EIDC	**IV**	**04 20 46 52.5**	**22.0S**	**172.7W**	**0**	**4.5b**		**38-53**
								¶97iv0658
EIDC	**IV**	**04 20 49 25.5**	**21.8S**	**172.2W**	**0**	**4.4b**		**39-50**
								¶97iv0659
EIDC	**IV**	**09 01 41 25.2**	**22.1S**	**173.4W**	**0**	**4.5b**		**38-53**
								¶97iv1441
EIDC	**IV**	**11 14 38 58.6**	**22.8S**	**175.5W**	**0**	**3.7b**		**39-47**
								¶97iv1922
EIDC	**IV**	**11 15 09 52.9**	**22.9S**	**172.2W**	**0**	**4.5b**		**20-55**
								¶97iv1926
ISC	**IV**	**14 07 16 37**±1.5	**22.4S**±.26	**175.9W**±.26	**350**	**3.2b**	**6**	**35-90**
EIDC	IV	14 07 16 39.1	22.3S	176.0W	354	3.1b		**¶97iv2409**
EIDC	**IV**	**21 05 33 46.0**	**18.0S**	**166.2W**	**0**	**3.9b**		**49-56**
								¶97iv3409
EIDC	**IV**	**21 19 29 42.0**	**23.1S**	**171.1W**	**0**	**4.4b**		**36-51**
								¶97iv3560
ISC	**IV**	**22 01 55 26**±1.5	**17.1S**±.56	**172.1W**±.38	**33**	**3.8b**	**11**	**44-148**
NEIC	IV	22 01 55 25.9	17.16S	172.04W	33	4.3b		**¶97iv3619**
EIDC	IV	22 01 55 27.1	17.1S	172.0W	28	3.5b		
NEIC	Poor solution.							
NEIC	**IV**	**22 22 25 43.1**	**18.78S**	**172.07W**	**33**	4.3b		**39-130**
EIDC	IV	22 22 25 41.3	19.1S	172.1W	0	4.3b		**¶97iv3838**
NEIC	Poor solution.							
ISC	**IV**	**23 23 44 02.9**±.59	**22.7S**±.15	**175.3W**±.14	**38**±1.9*	**4.2b**	**22**	**14-153**
NEIC	IV	23 23 44 02.0	22.69S	175.36W	33	4.4b		**¶97iv4044**
EIDC	IV	23 23 44 03.1	22.0S	175.3W	21	3.9b		
NEIC	Less reliable solution.							
EIDC	**IV**	**24 02 44 15.2**	**23.1S**	**172.9W**	**0**	**4.0b**		**38-49**
								¶97iv4067
EIDC	**IV**	**24 23 02 30.1**	**18.7S**	**172.6W**	**0**	**4.4b**		**39-50**
								¶97iv4227
EIDC	**IV**	**29 08 22 06.9**	**18.8S**	**171.8W**	**0**	**4.3b**		**40-51**
								¶97iv5044
ISC	**V**	**01 11 07 07.3**±.59	**17.6S**±.16	**172.7W**±.14	**33**	**4.3b**	**38**	**22-151**
EIDC	V	01 11 07 02.5	18.0S	172.5W	0	4.2b		**¶97v0088**
EIDC	V	01 11 07 05.9	18.08S	172.43W	33	4.5b		
NEIC	Less reliable solution.							
EIDC	**V**	**02 16 28 23.6**	**21.3S**	**172.5W**	**0**	**4.6b**		**36-55**
								¶97v0297
ISC	**V**	**04 03 58 21.3**±.23	**22.08S**±.068	**175.80W**±.061	**33**	**4.9b,4.2s**	**204**	**9-162**
EIDC	V	04 03 58 17.3	22.0S	175.7W	0	4.8b,3.9s		**¶97v0559**
BJI	V	04 03 58 21.1	22.10S	175.80W	33	5.1b		
NEIC	V	04 03 58 21.1	22.11S	175.76W	33	5.2b,4.6s		
MOS	V	04 03 58 21.7	22.0S	175.8W	33	5.5b		
HRVD	V	04 03 58 27.7±1.2	22.14S±.15	175.17W±.09	68±8.2			
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1$\dot{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.63±.63; $M_{\theta\theta}$−1.19±1.27; $M_{\phi\phi}$−4.44±.82; $M_{r\theta}$1.95±.81; $M_{r\phi}$0.98±.99; $M_{\theta\phi}$0.49±.65. Principal Axes: T 6.26,Plg74°,Azm339°; N −1.69, Plg15°,Azm176°; P −4.57,Plg4°,Azm84°. Best double couple: $M_0$5.4×10^{16}Nm, NP1:ϕ_S158°, δ43°,λ67°. NP2:ϕ_S8°,δ51°,λ110°.							
ISC	**V**	**04 09 09 39**±1.2	**20.0S**±.27	**168.3W**±.28	**33**	**3.6b**	**5**	**53-86**
EIDC	V	04 09 09 35.7	19.9S	168.2W	0	3.6b		**¶97v0606**
ISC	Unusual position							
EIDC	**V**	**06 02 05 19.0**	**18.5S**	**171.2W**	**0**	**4.0b**		**44-51**
								¶97v0883
EIDC	**V**	**17 11 16 06.6**	**18.5S**	**170.3W**	**0**	**3.8b**		**45-52**
								¶97v2918
EIDC	**V**	**19 17 10 37.5**	**21.6S**	**172.2W**	**0**	**4.5b**		**39-50**
								¶97v3287
EIDC	**V**	**19 23 31 01.1**	**19.2S**	**172.2W**	**0**	**4.2b**		**39-50**
								¶97v3323
EIDC	**V**	**20 19 07 36.5**	**19.9S**	**168.8W**	**0**	**3.9b**		**42-53**
								¶97v3447
EIDC	**V**	**21 17 30 35.2**	**20.8S**	**170.2W**	**0**	**4.0b**		**41-52**
								¶97v3587
EIDC	**V**	**23 11 45 16.2**	**23.2S**	**171.9W**	**0**	**4.2b**		**36-53**
								¶97v3947
ISC	**V**	**25 02 28 46**±6.5	**22.9S**±.23	**175.5W**±.22	**188**±58	**4.0b**	**16**	**17-153**
EIDC	V	25 02 28 25.1	22.8S	175.3W	0	4.2b,3.6s		**¶97v4206**
NEIC	V	25 02 28 28.5	22.83S	175.33W	33	4.6b		
NEIC	Less reliable solution.							
EIDC	**V**	**25 14 58 29.4**	**18.4S**	**170.2W**	**0**	**3.6b**		**52-85**
								¶97v4289

EIDC	**V**	**26 02 50 42.8**	**22.3S**	**173.1W**	**0**	**4.2b**		**38-49**
								¶97v4360
EIDC	**V**	**29 22 34 00.6**	**21.7S**	**170.2W**	**0**	**4.1b**		**41-95**
								¶97v4931
EIDC	**VI**	**02 13 59 28.7**	**23.9S**	**172.8W**	**0**	**3.6b**		**41-49**
								¶97vi0248
EIDC	**VI**	**05 18 48 52.2**	**18.6S**	**171.8W**	**0**	**4.2b**		**39-51**
								¶97vi0820
ISC	**VI**	**08 07 47 28**±1.3	**22.4S**±.27	**169.8W**±.23	**33**	**3.9b**	**6**	**41-77**
EIDC	VI	08 07 47 24.6	22.2S	169.8W	0	3.9b		¶97vi1197
EIDC	**VI**	**12 03 23 04.3**	**17.9S**	**171.0W**	**0**	**3.6b**		**52-84**
								¶97vi1793
EIDC	**VI**	**13 15 02 23.8**	**22.4S**	**173.7W**	**0**	**4.1b**		**37-56**
								¶97vi2009
ISC	**VI**	**14 04 47 38**±2.7	**20.8S**±.32	**171.7W**±.49	**33**	**4.0b**	**4**	**50-74**
EIDC	VI	14 04 47 34.9	20.7S	171.6W	0	4.0b		¶97vi2089
ISC	Poorly determined							
EIDC	**VI**	**18 20 05 56.1**	**18.3S**	**171.5W**	**0**	**3.9b**		**44-51**
								¶97vi2827
EIDC	**VI**	**20 03 49 38.2**	**19.2S**	**171.2W**	**0**	**3.5b**		**51-81**
								¶97vi3009
EIDC	**VI**	**24 16 45 45.1**	**22.5S**	**171.2W**	**0**	**4.0b**		**40-139**
								¶97vi3752
ISC	**VI**	**25 11 29 45**±2.4	**17.1S**±.74	**169.8W**±.56	**33**	**3.7b**	**6**	**42-84**
EIDC	VI	25 11 29 41.7	17.2S	169.7W	0	3.7b		¶97vi3926
EIDC	**VI**	**25 14 57 04.5**	**17.2S**	**171.9W**	**0**	**4.0b**		**44-84**
								¶97vi3967
EIDC	**VI**	**26 04 43 34.7**	**18.9S**	**172.4W**	**0**	**4.7b**		**39-50**
								¶97vi4085

(175) South of Tonga.

ISC	**I**	**15 10 33 58**±7.1	**25.1S**±.86	**172.6W**±.85	**33**	**4.8b**	**12**	**19-54**
EIDC	I	15 10 33 58.0	24.9S	173.1W	0	4.7b		¶97i2137
ISC	**I**	**30 03 33 40.3**±.90	**24.1S**±.28	**174.7W**±.19	**33**	**4.3b**	**10**	**36-154**
EIDC	I	30 03 33 36.9	23.9S	174.6W	0	4.3b		¶97i4435
ISC	**III**	**03 07 09 10**±1.2	**24.1S**±.37	**175.1W**±.18	**33**	**4.4b**	**15**	**11-99**
NEIC	III	03 07 09 08.8	24.41S	174.94W	33	4.5b		¶97iii0506
EIDC	III	03 07 09 09.6	24.5S	174.8W	35	4.1b		
NEIC	Poor solution.							
ISC	**III**	**07 06 56 24**±2.3	**25.2S**±.83	**174.5W**±.41	**33**	**3.9b**	**8**	**47-99**
EIDC	III	07 06 56 19.7	25.3S	174.3W	0	3.8b		¶97iii1455
ISC	**III**	**07 07 48 55**±3.6	**24.1S**±.82	**175.6W**±.63	**45**±1.3*	**4.2b**	**9**	**35-157**
EIDC	III	07 07 48 57.0	23.9S	175.8W	45	3.9b		¶97iii1465
EIDC	**III**	**12 21 50 31.0**	**25.5S**	**172.3W**	**0**	3.5b		**49-97**
								¶97iii2591
EIDC	**III**	**21 11 56 19.9**	**24.2S**	**175.4W**	**0**	**3.9b**		**46-94**
								¶97iii4069
EIDC	**III**	**27 09 53 58.7**	**24.1S**	**175.1W**	**0**	**4.0b**		**39-47**
								¶97iii5185
EIDC	**III**	**28 21 37 35.7**	**24.3S**	**176.0W**	**38**	**3.8b**		**46-157**
								¶97iii5487
ISC	**V**	**17 08 14 52**±1.6	**24.9S**±.26	**173.8W**±.29	**33**	**3.7b**	**7**	**6-90**
EIDC	V	17 08 14 50.9	23.6S	174.4W	0	3.6b		¶97v2900
ISC	**V**	**25 19 54 13**±7.3	**24.6S**±.75	**172.5W**±.90	**33**	**4.6b**	**10**	**19-49**
EIDC	V	25 19 54 14.6	24.3S	173.3W	0	4.5b		¶97v4318
EIDC	**V**	**27 02 47 34.0**	**25.5S**	**174.8W**	**0**	**4.0b**		**36-47**
								¶97v4505
ISC	**V**	**29 22 46 33**±1.8	**24.9S**±.24	**175.3W**±.24	**33**	**4.3b**	**7**	**5-84**
EIDC	V	29 22 46 28.6	24.7S	175.1W	0	4.2b,4.5L		¶97v4933
NEIC	V	29 22 46 32.4	24.78S	175.31W	33			
NEIC	Poor solution.							
ISC	**V**	**31 18 19 57**±1.4	**24.4S**±.55	**175.9W**±.27	**33**	**4.1b**,3.2s	**19**	**32-152**
EIDC	V	31 18 19 52.4	24.4S	175.7W	0	4.1b,3.2s		¶97v5218
NEIC	V	31 18 19 55.4	24.69S	175.70W	33	3.9b		
NEIC	Poor solution.							
ISC	**VI**	**01 11 00 35.0**±.31	**24.21S**±.081	**175.87W**±.070	**41**±.5*	**4.7b,4.7s**	**136**	**11-158**
EIDC	VI	01 11 00 29.9	24.1S	176.0W	0	4.5b,4.2s		¶97vi0066
NEIC	VI	01 11 00 34.1	24.14S	175.87W	33	4.9b,4.8s		
MOS	VI	01 11 00 34.3	24.2S	175.9W	33	5.0b,4.7s		
BJI	VI	01 11 00 34.3	24.17S	176.01W	27	5.3b		
HRVD	VI	01 11 00 37.0±.6	24.38S±.11	175.35W±.11	15			
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c28; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.35; $M_{\theta\theta}$−0.92±.64; $M_{\phi\phi}$−3.43±.54; $M_{r\theta}$2.62±1.61; $M_{r\phi}$5.73±1.56; $M_{\theta\phi}$−1.12±.34. Principal Axes: T 7.77,Plg62°,Azm296°; N −0.50,Plg1°,Azm204°; P −7.27,Plg28°,Azm113°. Best double couple: $M_0$7.5×10^{16}Nm, NP1: ϕ_s199°,δ17°,λ85°. NP2:ϕ_s24°,δ73°,λ91°.

(176) North of New Zealand.

ISC	**II**	**09 14 58 35**±2.1	**33.7S**±.24	**177.0E**±.47	**600**	**4.2b**	**6**	**30-91**
EIDC	II	09 14 58 37.5	33.7S	177.0E	616	3.7b		¶97ii1322
EIDC	**III**	**12 01 38 55.5**	**29.1S**	**175.5E**	**0**	**3.6b**		**29-38**
								¶97iii2468
EIDC	**III**	**22 08 33 54.9**	**33.8S**	**176.4E**	**0**	3.6b		**38-40**
								¶97iii4232
ISC	**IV**	**12 08 03 24**±2.5	**33.6S**±.16	**177.0E**±.24	**33**	5.2b	**23**	**4-40**
								¶97iv2032
EIDC	**VI**	**05 10 53 46.6**	**33.9S**	**177.7E**	**630**	**3.1b**		**3-153**
								¶97vi0754

(177) Kermadec Islands region.

ISC	**I**	**03 00 33 28**±1.3	**30.1S**±.13	**179.5W**±.50	**336**±30	**3.8b**	**22**	**2-150**
EIDC	I	03 00 32 45.0	29.9S	178.0W	0	4.5b		¶97i0291
NEIC	I	03 00 32 47.6	29.78S	177.88W	33	4.4b		
NEIC	Poor solution.							
EIDC	**I**	**03 21 31 06.7**	**31.5S**	**179.2E**	**0**	3.6b		**6-148**
								¶97i0430
ISC	**I**	**04 16 11 41.1**±.85	**30.14S**±.098	**176.1W**±.14	**44**±.5*	**4.4b**	**20**	**2-152**
EIDC	I	04 16 11 44.1	29.3S	176.2W	45	4.2b		¶97i0552
EIDC	**I**	**06 00 10 19.2**	**28.8S**	**173.1W**	**0**	**4.0b**		**4-48**
								¶97i0726
ISC	**I**	**11 20 51 18**±4.3	**28.6S**±.27	**179.2W**±.52	**393**±26	**4.3b**	**20**	**9-147**
EIDC	I	11 20 50 24.2	29.8S	176.9W	0	4.7b		¶97i1578
EIDC	**I**	**12 17 03 53.3**	**28.4S**	**179.4W**	**0**	**3.7b**		**34-143**
								¶97i1715
EIDC	**I**	**14 10 39 30.5**	**28.5S**	**172.9W**	**0**	**4.6b**		**12-147**
								¶97i1982
NEIC	**I**	**16 21 23 23.5**	**30.55S**	**179.06E**	**600**	**4.2b**		**7-144**
EIDC	I	16 21 23 35.0	30.7S	178.3E	696	3.3b		¶97i2361
NEIC	Poor solution.							
ISC	**I**	**20 08 34 12**±2.4	**31.9S**±.18	**179.7W**±.34	**488**±18	**4.0b**	**41**	**6-150**
NEIC	I	20 08 34 18.1	31.45S	179.47E	500	4.8b		¶97i2966
EIDC	I	20 08 34 38.9	31.0S	178.2E	690	3.3b		
NEIC	Poor solution.							
EIDC	**I**	**21 15 04 51.4**	**31.1S**	**178.3W**	**0**	**3.7b**		**7-150**
								¶97i3200
ISC	**I**	**23 13 07 34**±7.1	**31.2S**±.32	**178.0W**±.96	**436**±21	**3.9b**	**38**	**7-159**
EIDC	I	23 13 06 54.1	30.7S	178.2W	0	4.4b		¶97i3501
NEIC	I	23 13 06 58.8	29.53S	178.36W	33	4.2b		
NEIC	Poor solution.							
EIDC	**I**	**27 00 50 11.8**	**28.8S**	**176.3W**	**0**	**4.5b**		**35-153**
								¶97i4027
ISC	**I**	**29 04 25 44**±4.7	**31.8S**±.30	**179.6W**±.58	**439**±20	3.4b	**24**	**6-150**
								¶97i4305
EIDC	**I**	**31 20 29 22.3**	**29.0S**	**177.2W**	**0**	4.0b		**44-152**
								¶97i4674
EIDC	**I**	**31 21 58 03.6**	**28.5S**	**178.1W**	**0**	**4.2b**		**1-152**
								¶97i4685
EIDC	**II**	**02 04 25 39.5**	**31.0S**	**174.4W**	**0**	**4.1b**		**37-81**
								¶97ii0172
ISC	**II**	**03 20 04 22**±4.5	**30.1S**±.18	**176.7W**±.60	**69**±16	**4.7b**	**33**	**1-158**
EIDC	II	03 20 04 31.6	30.3S	177.7W	76	4.4b		¶97ii0420
NEIC	II	03 20 04 32.1	30.51S	177.61W	100	4.9b		
NEIC	Less reliable solution.							
EIDC	**II**	**04 02 51 17.2**	**30.4S**	**179.8W**	**532**	**3.7b**		**7-156**
								¶97ii0451
ISC	**II**	**06 01 27 49**±6.2	**27.6S**±.28	**176.3W**±.20	**121**±53	**4.1b**	**18**	**17-147**
EIDC	II	06 01 27 35.5	27.6S	176.2W	0	4.1b		¶97ii0780
NEIC	II	06 01 27 41.4	27.61S	176.26W	50	4.4b		
NEIC	Less reliable solution.							
EIDC	**II**	**08 02 08 25.4**	**31.1S**	**179.8W**	**0**	4.4b		**42-149**
								¶97ii1075
EIDC	**II**	**10 07 27 43.7**	**31.3S**	**179.0W**	**0**	**4.0b**		**7-150**
								¶97ii1431
EIDC	**II**	**13 00 13 42.7**	**28.5S**	**173.5W**	**0**	**3.9b**		**39-88**
								¶97ii1841
ISC	**II**	**13 00 54 33**±2.5	**28.5S**±.43	**177.5W**±.26	**54**±30	**4.2b**	**28**	**1-152**
EIDC	II	13 00 54 49.7	29.0S	177.5W	198	3.7b		¶97ii1848
NEIC	II	13 00 54 51.2	28.31S	178.06W	200	4.1b		
NEIC	Poor solution.							
ISC	**II**	**13 16 13 29**±4.0	**31.7S**±.11	**178.8W**±.12	**22**±30	**4.3b**	**35**	**6-155**
NEIC	II	13 16 13 29.7	31.78S	178.70W	33	4.3b		¶97ii1947
BJI	II	13 16 13 30.3	31.29S	177.84W	46	4.9b		
EIDC	II	13 16 13 32.4	31.8S	178.8W	44	4.2b,4.5L		
NEIC	Less reliable solution.							
NEIC	**II**	**13 18 54 57.5**	**30.14S**	**179.10E**	**400**	3.6b		**32-148**
EIDC	II	13 18 54 11.8	29.3S	179.8W	0	4.1b		¶97ii1966
NEIC	Poor solution.							
ISC	**II**	**14 17 36 27.2**±.32	**28.41S**±.079	**176.76W**±.062	**33**±2.5*	**5.2b,5.2s**	**204**	**1-167**
MOS	II	14 17 36 27.2	28.3S	176.8W	31	5.6b,5.2s		¶97ii2090
BJI	II	14 17 36 27.4	28.16S	176.69W	32	5.5b,5.2s		
NEIC	II	14 17 36 29.5	28.24S	176.84W	50	5.1b,5.1s		
HRVD	II	14 17 36 30.5±.3	28.14S±.04	176.54W±.04	33±2.6			
EIDC	II	14 17 36 36.9	28.2S	176.9W	102	4.7b		
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c51; Half duration: 1^{s}4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.03; $M_{\theta\theta}$0.16±.06; $M_{\phi\phi}$−0.97±.05; $M_{r\theta}$0.49±.07; $M_{r\phi}$1.22±.11; $M_{\theta\phi}$−0.29±.04. Principal Axes: T 1.50,Plg62°,Azm300°; N 0.21, Plg6°,Azm199°; P −1.71,Plg27°,Azm107°. Best double couple: $M_0$1.6×10^{17}Nm, NP1: ϕ_s182°,δ18°,λ72°. NP2:ϕ_s21°,δ73°,λ96°.

ISC	**II**	**14 17 39 44**±6.2	**28.4S**±.22	**176.8W**±.31	**170**±51	**4.0b**	**17**	**16-153**
NEIC	II	14 17 39 30.4	28.32S	176.70W	50			¶97ii2091
EIDC	II	14 17 39 55.3	28.9S	176.8W	277	3.7b		
NEIC	Poor solution.							
ISC	**II**	**15 17 08 52**±2.2	**31.0S**±.14	**179.5W**±.25	**412**±25	3.2b	**39**	**7-160**
EIDC	II	15 17 08 44.4	30.2S	179.0W	283	3.1b		¶97ii2267
EIDC	**II**	**20 12 18 46.2**	**31.9S**	**178.5W**	**0**	**3.8b**		**7-150**
								¶97ii2924
NEIC	**II**	**21 09 30 36.0**	**30.84S**	**178.85E**	**600**	3.8b		**7-149**
EIDC	II	21 09 30 38.5	30.8S	178.8E	611	3.0b		¶97ii3046
NEIC	Poor solution.							
EIDC	**II**	**21 11 34 42.5**	**31.8S**	**178.6W**	**0**	**3.9b**		**6-149**
								¶97ii3062
EIDC	**II**	**24 18 13 44.7**	**28.0S**	**178.0W**	**202**	**3.1b**		**1-152**
								¶97ii3520
ISC	**III**	**01 09 13 29.9**±.79	**31.36S**±.088	**177.7W**±.15	**72**	**4.1b**	**34**	**2-160**
NEIC	III	01 09 13 31.5	30.45S	178.01W	72	4.6b		¶97iii0081
EIDC	III	01 09 13 31.8	30.7S	178.0W	65	3.9b		
NEIC	Less reliable solution.							
EIDC	**III**	**02 05 30 45.8**	**28.8S**	**177.1W**	**0**	**3.8b**		**1-152**
								¶97iii0250
ISC	**III**	**04 14 54 19**±1.1	**28.2S**±.24	**172.6W**±.24	**33**	**3.8b**	**6**	**40-95**
EIDC	III	04 14 54 15.5	28.1S	172.6W	0	3.7b		¶97iii0868
EIDC	**III**	**05 02 02 32.6**	**29.0S**	**179.0E**	**697**	**3.0b**		**3-150**
								¶97iii0961
ISC	**III**	**06 22 00 24**±3.2	**27.7S**±.21	**177.1W**±.12	**42**±29	**4.4b**	**43**	**2-159**
EIDC	III	06 22 00 35.6	29.5S	176.8W	173	3.9b		¶97iii1358
NEIC	III	06 22 00 35.8	27.83S	177.22W	150	4.4b		
NEIC	Poor solution.							
ISC	**III**	**07 00 19 29.6**±.95	**29.5S**±.14	**176.9W**±.17	**100**	**4.1b**	**15**	**16-152**
NEIC	III	07 00 19 22.7	29.71S	176.88W	33	4.4b		¶97iii1381
EIDC	III	07 00 19 28.6	29.6S	176.8W	68	3.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**07 00 29 53.6**	**29.2S**	**179.1E**	**636**	**2.7b**		**8-150**
								¶97iii1385
ISC	**III**	**07 17 55 17.7**±.46	**31.29S**±.086	**177.57W**±.081	**42**	**4.7b,5.1s**	**95**	**2-161**
EIDC	III	07 17 55 12.7	31.0S	177.5W	0	4.5b,5.1s		¶97iii1563
HRVD	III	07 17 55 23.8±.6	30.75S±.08	177.62W±.07	42±5.0			
BJI	III	07 17 55 25.4	30.90S	177.90W	100			
NEIC	III	07 17 55 25.4	30.90S	177.85W	100	5.0b		
MOS	III	07 17 55 27.0	31.1S	177.9W	107	5.1b		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c26; Half duration: 1^{s}2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.06; $M_{\theta\theta}$0.07±.10; $M_{\phi\phi}$−0.78±.07; $M_{r\theta}$0.25±.12; $M_{r\phi}$1.04±.12; $M_{\theta\phi}$−0.20±.08. Principal Axes: T 1.26,Plg63°,Azm285°; N 0.11, Plg1°,Azm193°; P −1.38,Plg27°,Azm103°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_s191°,δ18°,λ88°. NP2:ϕ_s14°,δ72°,λ91°.

NEIC Mw5.4(HRV), Less reliable solution.

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**III**	**07 18 03 12.2**	**31.1S**	**177.5W**	**0**	**4.3b**		**30-150**
								¶97iii1566
EIDC	**III**	**07 18 07 00.6**	**31.1S**	**177.5W**	**0**	**3.8b**		**35-150**
								¶97iii1567
NEIC	**III**	**07 18 18 14.2**	**31.25S**	**178.12W**	**200**	**4.5b**		**2-150**
EIDC	III	07 18 17 49.8	31.0S	177.5W	0	4.8b		**¶97iii1568**
NEIC	Poor solution.							
EIDC	**III**	**07 18 55 06.6**	**31.1S**	**177.9W**	**0**	4.1b		**34-150**
								¶97iii1577
EIDC	**III**	**11 02 28 52.1**	**31.7S**	**179.3W**	**341**	**3.1b**		**42-149**
								¶97iii2295
ISC	**III**	**11 05 25 58.7**±.18	**31.10S**±.044	**177.73W**±.044	**15**	**5.6b,6.1s**	**437**	**2-172**
BJI	III	11 05 25 57.0	31.14S	177.60W	15	5.8b,6.0s		**¶97iii2312**
EIDC	III	11 05 25 57.3	31.0S	177.5W	0	5.4b,6.1s		
NEIC	III	11 05 25 57.7	31.08S	177.73W	10	5.6b,6.2s		
MOS	III	11 05 25 58.2	30.9S	177.7W	10	6.1b,6.1s		
HRVD	III	11 05 26 05.1±.1	31.12S±.01	177.19W±.01	15			
NEIC	Mw6.1(GS), Mw6.1(HRV).							
NEIC	Mo=1.8×10^{18}Nm (PPT).							
NEIC	Moment tensor solution: s35, scale 10^{18}Nm; M_{rr}0.20; $M_{\theta\theta}$0.07; $M_{\phi\phi}$−0.27; $M_{r\theta}$0.24; $M_{r\phi}$1.37; $M_{\theta\phi}$0.22. Depth 12km; Principal axes: T 1.44,Plg48°,Azm290°; N −0.01,Plg11°,Azm188°; P −1.43,Plg40°,Azm89°. Best double couple: M0 1.4×10^{18}Nm; NP1:ϕ_S120°,δ11°,λ21°. NP2: ϕ_S9°,δ86°,λ101°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c94; Mantle waves: s38,c46; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}0.73±.01; $M_{\theta\theta}$0.05±.01; $M_{\phi\phi}$−0.78±.01; $M_{r\theta}$0.17±.03; $M_{r\phi}$1.20±.03; $M_{\theta\phi}$−0.23±.01. Principal Axes: T 1.39,Plg61°,Azm274°; N 0.10,Plg3°,Azm10°; P −1.49,Plg29°,Azm102°. Best double couple: M0 1.4×10^{18}Nm, NP1:ϕ_S202°,δ17°,λ102°. NP2:ϕ_S9°,δ74°,λ86°.							
EIDC	**III**	**11 05 49 49.1**	**31.4S**	**178.3W**	**0**	3.5b		**43-150**
								¶97iii2315
EIDC	**III**	**11 16 36 16.5**	**28.4S**	**177.8W**	**0**	3.6b		**43-152**
								¶97iii2409
EIDC	**III**	**11 20 14 07.1**	**28.1S**	**178.4W**	**0**	3.5b		**43-143**
								¶97iii2441
ISC	**III**	**11 22 43 54**±2.9	**31.3S**±.25	**177.6W**±.20	**102**±29	**4.0b**	**12**	**2-150**
EIDC	III	11 22 43 45.3	31.2S	177.5W	15	3.9b		**¶97iii2450**
NEIC	III	11 22 43 46.5	31.27S	177.54W	33	4.3b		
NEIC	Poor solution.							
EIDC	**III**	**12 08 20 20.5**	**31.9S**	**178.3W**	**0**	4.0b		**43-149**
								¶97iii2497
EIDC	**III**	**12 22 22 46.3**	**27.4S**	**176.4W**	**0**	3.8b		**45-154**
								¶97iii2598
EIDC	**III**	**12 22 29 52.7**	**31.2S**	**177.6W**	**0**	3.9b		**43-150**
								¶97iii2600
ISC	**III**	**12 22 48 58**±1.0	**29.4S**±.87	**179.3W**±.19	**0**	**4.4b**	**20**	**1-158**
EIDC	III	12 22 48 47.0	31.2S	177.3W	0	4.2b		**¶97iii2601**
ISC	**III**	**12 22 54 14**±5.2	**31.2S**±.11	**177.8W**±.15	**32**±36	**4.8b**	**61**	**2-162**
EIDC	III	12 22 54 08.9	31.4S	177.4W	0	4.8b		**¶97iii2602**
NEIC	III	12 22 54 27.6	31.36S	178.03W	150	4.9b		
BJI	III	12 22 54 28.6	30.62S	178.33W	135	4.7b		
MOS	III	12 22 54 44.5	30.5S	178.9W	258	4.7b		
NEIC	Less reliable solution.							
EIDC	**III**	**12 23 29 44.1**	**31.6S**	**178.2W**	**0**	3.7b		**43-149**
								¶97iii2606
EIDC	**III**	**12 23 47 41.6**	**31.3S**	**177.7W**	**0**	**4.3b**		**2-150**
								¶97iii2608
ISC	**III**	**13 00 06 50**±1.9	**31.1S**±.10	**177.6W**±.14	**41**±16	**4.6b,4.4s**	**39**	**2-160**
EIDC	III	13 00 06 44.9	31.3S	177.5W	0	4.6s,4.6b		**¶97iii2609**
BJI	III	13 00 06 48.9	31.10S	177.60W	33	4.8b		
NEIC	III	13 00 06 48.9	31.15S	177.64W	33	4.9b		
MOS	III	13 00 06 54.4	30.4S	178.5W	33	5.2b		
NEIC	Less reliable solution.							
ISC	**III**	**13 00 16 41**±4.3	**31.1S**±.36	**174.8W**±.61	**33**	**4.4b**	**16**	**3-150**
EIDC	III	13 00 16 31.8	30.5S	174.0W	0	4.2b		**¶97iii2610**
NEIC	III	13 00 16 52.6	32.44S	176.46W	33	4.5b		
NEIC	Poor solution.							
ISC	**III**	**13 01 12 45**±5.2	**31.5S**±.55	**176.7W**±.70	**33**	**4.4b**	**17**	**2-150**
EIDC	III	13 01 12 47.0	32.0S	177.5W	0	4.3b,4.3L		**¶97iii2619**
NEIC	III	13 01 12 50.7	32.25S	177.45W	33	4.5b		
NEIC	Poor solution.							
EIDC	**III**	**13 03 43 17.4**	**29.0S**	**178.3W**	**0**	3.7b		**43-144**
								¶97iii2638
EIDC	**III**	**13 06 28 08.7**	**30.2S**	**173.4W**	**0**	**4.0b**		**4-48**
								¶97iii2657
ISC	**III**	**13 14 24 04**±5.7	**31.5S**±.14	**175.9W**±.72	**33**	4.7b	**6**	**3-46**
								¶97iii2717
EIDC	**III**	**13 22 42 27.2**	**31.2S**	**175.3W**	**0**	**4.1b**		**3-46**
								¶97iii2775
NEIC	**III**	**14 12 46 16.6**	**31.01S**	**177.78W**	**100**	**4.5b**		**2-150**
EIDC	III	14 12 46 03.8	31.2S	177.4W	0	4.4b		**¶97iii2879**
NEIC	Poor solution.							
ISC	**III**	**14 12 46 53**±1.2	**31.2S**±.22	**177.8W**±.18	**100**	**4.4b**	**27**	**26-160**
EIDC	III	14 12 46 40.7	31.1S	177.5W	0	4.5b		**¶97iii2880**
MOS	III	14 12 46 48.7	30.2S	178.1W	33	5.0b		
NEIC	III	14 12 46 52.5	31.13S	177.72W	100	4.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**14 13 35 36.5**	**29.9S**	**179.8W**	**0**	**3.9b**		**33-148**
								¶97iii2886
EIDC	**III**	**14 13 50 37.3**	**28.5S**	**179.5W**	**0**	**3.7b**		**34-151**
								¶97iii2888
ISC	**III**	**14 15 54 52**±1.1	**30.1S**±.16	**179.0W**±.33	**189**±22	**3.7b**	**13**	**1-150**
EIDC	III	14 15 55 00.2	29.5S	178.6W	297	3.1b		**¶97iii2911**
ISC	**III**	**14 19 28 13**±2.5	**31.72S**±.092	**177.1W**±.38	**33**	**4.6b**,4.3s	**40**	**3-161**
EIDC	III	14 19 28 11.8	31.6S	177.5W	0	4.8b,4.3s		**¶97iii2938**
NEIC	III	14 19 28 15.2	31.77S	177.43W	33	4.9b		
MOS	III	14 19 28 20.3	30.4S	178.2W	33	5.1b		
NEIC	Poor solution.							
ISC	**III**	**14 20 13 00**±2.0	**28.4S**±.23	**177.9W**±.27	**33**	**3.8b**	**7**	**1-152**
NEIC	III	14 20 13 00.3	28.76S	177.94W	33			**¶97iii2942**
EIDC	III	14 20 13 46.4	29.7S	178.8W	446	3.0b		
NEIC	Poor solution.							
EIDC	**III**	**14 23 10 12.7**	**28.9S**	**178.1W**	**0**	3.8b		**43-152**
								¶97iii2959
EIDC	**III**	**15 00 03 14.1**	**31.2S**	**177.6W**	**44**	**3.6b**		**35-150**
								¶97iii2965
ISC	**III**	**15 08 08 03**±4.0	**31.6S**±.10	**175.8W**±.55	**33**	**4.8b**	**26**	**3-161**
EIDC	III	15 08 08 12.6	31.4S	177.7W	0	4.7b,4.2s		**¶97iii3016**
EIDC	**III**	**15 12 13 12.4**	**30.9S**	**173.0W**	**0**	**3.9b**		**39-48**
								¶97iii3047
EIDC	**III**	**16 22 23 29.7**	**31.6S**	**177.4W**	**0**	**4.1b**		**35-150**
								¶97iii3275
EIDC	**III**	**16 22 44 33.4**	**31.5S**	**177.4W**	**0**	4.0b		**44-150**
								¶97iii3279
EIDC	**III**	**17 08 53 31.1**	**27.6S**	**176.9W**	**0**	**3.9b**		**36-153**
								¶97iii3351
ISC	**III**	**18 03 28 49**±1.2	**31.9S**±.14	**177.8W**±.19	**33**	**4.4b**	**20**	**3-151**
NEIC	III	18 03 28 47.6	31.37S	177.64W	33	4.6b		**¶97iii3481**
EIDC	III	18 03 28 49.9	31.3S	177.6W	42	4.2b		
NEIC	Poor solution.							
ISC	**III**	**18 07 44 41.4**±.74	**31.1S**±.17	**177.5W**±.12	**33**	**4.4b,4.0s**	**37**	**17-160**
NEIC	III	18 07 44 41.3	31.12S	177.48W	33	4.7b		**¶97iii3504**
EIDC	III	18 07 44 42.9	31.2S	177.5W	31	4.1b,4.2s		
MOS	III	18 07 44 46.5	30.5S	178.1W	33	4.7b		
NEIC	Less reliable solution.							
ISC	**III**	**18 19 52 03**±1.3	**31.16S**±.081	**178.2W**±.24	**50**±17	**4.7b,**5.2s	**36**	**2-150**
EIDC	III	18 19 51 53.8	30.6S	177.8W	0	5.0b,4.5L		**¶97iii3585**
NEIC	III	18 19 51 58.1	30.85S	177.99W	33	4.9b,5.2s		
NEIC	Poor solution.							
ISC	**III**	**19 01 50 26**±2.3	**31.0S**±.11	**177.5W**±.30	**46**±17	**4.4b,4.1s**	**28**	**2-150**
NEIC	III	19 01 50 26.2	31.06S	177.69W	33	4.6b		**¶97iii3611**
EIDC	III	19 01 50 30.3	31.1S	177.9W	48	4.3s,4.1b		
MOS	III	19 01 50 32.1	28.8S	178.4W	33	5.0b		
NEIC	Less reliable solution.							
EIDC	**III**	**19 02 50 04.2**	**31.2S**	**177.5W**	**0**	3.7b		**43-150**
								¶97iii3616
EIDC	**III**	**19 21 01 27.9**	**30.4S**	**179.3W**	**420**	**3.6b**		**25-150**
								¶97iii3766
EIDC	**III**	**19 21 14 46.1**	**31.2S**	**179.2W**	**0**	**3.8b**		**33-149**
								¶97iii3769
EIDC	**III**	**19 22 11 38.1**	**31.1S**	**177.6W**	**0**	3.8b		**43-150**
								¶97iii3774
ISC	**III**	**20 23 13 30**±2.7	**28.2S**±.25	**177.0W**±.14	**73**±25	**4.2b**	**27**	**1-156**
EIDC	III	20 23 13 21.3	28.1S	176.8W	0	4.3b,4.0s		**¶97iii3966**
NEIC	III	20 23 13 25.3	28.16S	176.89W	33	4.4b		
BJI	III	20 23 13 25.6	27.33S	177.55W	5	5.0b		
NEIC	Poor solution.							
ISC	**III**	**21 12 07 16.2**±.45	**31.26S**±.037	**179.65E**±.036	**435**±5.5	**5.5b**	**557**	**3-171**
EIDC	III	21 12 07 16.6	31.3S	179.8E	434	5.1b		**¶97iii4071**
NEIC	III	21 12 07 17.6	31.16S	179.62E	449	5.6b		
BJI	III	21 12 07 18.3	30.95S	179.86E	459	5.6b		
MOS	III	21 12 07 18.4	31.0S	179.6E	455	5.8b		
HRVD	III	21 12 07 22.1±.1	31.18S±.01	179.90E±.01	453±.7			
NEIC	Mw6.3(GS), Me6.2(GS).							
NEIC	Mw 6.3 (HRV). Mo=3.9×10^{18}Nm (PPT).							
NEIC	Radiated energy from the P−wave first−motion solution: 3.8±0.7×10^{13}Nm/11							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ75°,λ180°. NP2:ϕ_S30°,δ90°,λ−15°. Principal axes: T Plg11°,Azm76°; P Plg11°,Azm344°.							
NEIC	Moment tensor solution: s22, scale 10^{18}Nm; M_{rr}0.03; $M_{\theta\theta}$−2.01; $M_{\phi\phi}$1.99; $M_{r\theta}$−0.82; $M_{r\phi}$−1.77; $M_{\theta\phi}$−1.42. Depth 442km; Principal axes: T 3.17,Plg27°,Azm79°; N −0.07, Plg51°,Azm209°; P −3.10,Plg25°,Azm335°. Best double couple: M0 3.1×10^{18}Nm; NP1: ϕ_S117°,δ52°,λ179°. NP2:ϕ_S207°,δ89°,λ39°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c101; Half duration: 3s5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.28±.02; $M_{\theta\theta}$−2.31±.03; $M_{\phi\phi}$2.59±.03; $M_{r\theta}$−0.87±.03; $M_{r\phi}$−1.64±.03; $M_{\theta\phi}$−0.95±.03. Principal Axes: T 3.39,Plg23°,Azm84°; N −0.34,Plg54°,Azm210°; P −3.05,Plg26°,Azm342°. Best double couple: M0 3.2×10^{18}Nm, NP1:ϕ_S124°,δ54°,λ−178°. NP2:ϕ_S33°,δ88°,λ−36°.							
WEL	Felt I=IV MM Raoul Island							
EIDC	**III**	**30 06 23 08.6**	**29.1S**	**177.0W**	**0**	**3.9b**		**1-152**
								¶97iii5709
EIDC	**III**	**30 14 56 52.0**	**31.3S**	**177.5W**	**0**	**4.4b**		**2-150**
								¶97iii5767
EIDC	**IV**	**01 14 24 02.0**	**31.0S**	**179.1W**	**0**	**3.7b**		**33-145**
								¶97iv0083
ISC	**IV**	**02 21 00 34**±2.8	**31.4S**±.13	**179.5W**±.41	**33**	**3.9b**	**17**	**6-107**
EIDC	IV	02 21 00 28.9	31.2S	179.2W	0	3.9b,4.6L		**¶97iv0317**
NEIC	IV	02 21 00 34.3	31.49S	179.55W	33	4.3b		
NEIC	Less reliable solution.							
EIDC	**IV**	**06 13 52 34.7**	**30.3S**	**174.6W**	**0**	**3.8b**		**46-80**
								¶97iv1002
EIDC	**IV**	**08 07 44 24.2**	**27.4S**	**178.0W**	**0**	**3.7b**		**11-153**
								¶97iv1292
ISC	**IV**	**10 03 11 50**±6.1	**27.2S**±.30	**178.3W**±.34	**301**±54	**3.8b**	**10**	**15-146**
EIDC	IV	10 03 11 14.2	25.7S	177.5W	0	4.4b,4.7L		**¶97iv1618**
NEIC	IV	10 03 11 31.8	26.31S	177.76W	150	4.0b		
NEIC	Less reliable solution.							
EIDC	**IV**	**10 04 37 17.7**	**31.6S**	**178.6W**	**0**	3.8b,3.8s		**7-149**
								¶97iv1629
EIDC	**IV**	**11 22 14 17.4**	**31.8S**	**178.4W**	**0**	**3.9b**		**34-150**
								¶97iv1981
ISC	**IV**	**12 09 21 47**±1.3	**28.10S**±.046	**178.32W**±.036	**98**±12	**5.8b**	**618**	**1-171**
MOS	IV	12 09 21 53.6	28.0S	178.3W	154	5.9b		**¶97iv2046**
NEIC	IV	12 09 21 56.4	28.17S	178.37W	184	5.8b		
BJI	IV	12 09 21 57.0	27.96S	178.06W	190	5.9b		
EIDC	IV	12 09 21 58.4	28.1S	178.3W	188	5.0b		
HRVD	IV	12 09 22 01.8±.1	27.94S±.01	178.10W±.01	192±.6			
NEIC	Mw6.0(GS), Me5.7(GS).							
NEIC	Mw 6.0 (HRV).							
NEIC	Radiated energy from the P−wave first−motion solution: 9.4±1.5×10^{12}Nm/13							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S130°,δ70°,λ−135°. NP2:ϕ_S21°,δ48°,λ−27°. Principal axes: T Plg13°,Azm251°; P Plg45°,Azm355°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s32, scale 10^{17}Nm; M_{rr}−5.84; $M_{\theta\theta}$−0.18; $M_{\phi\phi}$6.02; $M_{r\theta}$−6.06; $M_{r\phi}$3.41; $M_{\theta\phi}$−3.46. Depth 180km; Principal axes: T 9.77,Plg21°,Azm238°; N 0.00,Plg22°, Azm139°; P −9.77,Plg59°,Azm8°. Best double couple: M0 9.8×10^{17}Nm; NP1:ϕ_S1°,δ30°, λ−43°. NP2:ϕ_S130°,δ70°,λ−113°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c116; Half duration: 2s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−5.62±.10; $M_{\theta\theta}$−3.29±.15; $M_{\phi\phi}$8.91±.15; $M_{r\theta}$−5.41±.11; $M_{r\phi}$2.00±.11; $M_{\theta\phi}$−0.38±.14. Principal Axes: T 9.3,Plg10°,Azm264°; N 0.8, Plg37°,Azm167°; P −10.1,Plg51°,Azm6°. Best double couple: M0 9.7×10^{17}Nm, NP1:ϕ_S30°, δ48°,λ−36°. NP2:ϕ_S146°,δ64°,λ−132°.							
EIDC	**IV**	**14 12 26 22.1**	**29.9S**	**176.9W**	**0**	**3.9b**		**9-45**
								¶97iv2459
EIDC	**IV**	**14 16 21 24.7**	**29.0S**	**177.4W**	**0**	**3.8b,**2.7s		**35-152**
								¶97iv2484
ISC	**IV**	**17 16 38 49**±4.4	**27.9S**±.14	**178.1W**±.13	**138**±39	**4.1b**	**48**	**15-152**
BJI	IV	17 16 38 54.0	28.47S	177.82W	215	4.3b		**¶97iv2935**
EIDC	IV	17 16 38 55.0	27.9S	178.1W	189	3.8b		
NEIC	IV	17 16 38 55.3	28.00S	178.15W	200	4.2b		
NEIC	Less reliable solution.							

ISC	**IV**	**18 19 25 48.2**±.59	**31.06S**±.081	**177.9W**±.11	**33**	**4.6b,3.9s**	**52**	**2-160**
EIDC	IV	18 19 25 45.8	31.1S	177.6W	14	4.4b,4.0s		¶97iv3109
NEIC	IV	18 19 25 47.7	31.09S	177.81W	33	4.9b		
MOS	IV	18 19 25 48.1	31.1S	177.8W	33	5.1b		
BJI	IV	18 19 25 48.1	31.07S	177.77W	42	5.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 16 51 38.9**±.83	**29.59S**±.078	**179.2W**±.14	**349**±10	**3.8b**	**46**	**1-169**
NEIC	IV	25 16 51 48.4	29.46S	179.51W	441	4.1b		¶97iv4381
EIDC	IV	25 16 51 49.2	29.2S	179.5W	437	3.5b		
NEIC	Poor solution.							
EIDC	**IV**	**26 08 02 10.0**	**28.2S**	**176.7W**	**0**	**3.9b**		**36-147**
								¶97iv4494
ISC	**IV**	**26 09 01 48**±2.5	**27.5S**±.12	**176.8W**±.14	**67**±21	**4.3b**	**39**	**2-160**
BJI	IV	26 09 01 44.1	27.40S	176.80W	33	4.9b		¶97iv4507
NEIC	IV	26 09 01 44.1	27.37S	176.78W	33	4.5b		
EIDC	IV	26 09 01 45.5	27.3S	176.8W	31	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**28 22 34 54.1**±.63	**31.70S**±.060	**179.78E**±.089	**383**±7.2	**4.2b**	**101**	**3-171**
MOS	IV	28 22 34 53.1	31.6S	179.8E	381	4.4b		¶97iv4986
NEIC	IV	28 22 34 55.4	31.56S	179.79E	400	4.4b		
EIDC	IV	28 22 34 55.5	31.7S	179.8E	392	3.9b		
ISC	**V**	**02 21 38 24.5**±.75	**27.3S**±.17	**176.6W**±.16	**33**	**4.0b**	**15**	**2-146**
EIDC	V	02 21 38 21.0	27.5S	176.4W	0	4.0b		¶97v0333
NEIC	V	02 21 38 24.5	27.34S	176.64W	33	4.6b		
NEIC	Less reliable solution.							
ISC	**V**	**03 04 48 52**±2.5	**28.0S**±.51	**179.9E**±.41	**500**	**4.0b**	**16**	**32-151**
NEIC	V	03 04 48 52.5	27.98S	179.91E	500	3.9b		¶97v0379
EIDC	V	03 04 48 59.7	27.9S	179.6E	561	3.3b		
NEIC	Poor solution.							
ISC	**V**	**03 10 42 08**±2.3	**27.14S**±.091	**176.51W**±.062	**43**±21	**5.0b,5.0s**	**187**	**2-166**
BJI	V	03 10 42 04.5	26.36S	176.35W	8	5.4b,5.4s		¶97v0419
NEIC	V	03 10 42 05.8	27.21S	176.51W	33	5.2b,5.1s		
MOS	V	03 10 42 06.3	27.1S	176.5W	33	5.8b,5.0s		
EIDC	V	03 10 42 09.2	27.1S	176.5W	43	4.4b,4.6s		
HRVD	V	03 10 42 10.8±.5	27.10S±.05	176.17W±.06	15			
NEIC	Mw5.5(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c41; Half duration: 1ŝ1. Moment tensor: Scale 10^{17}Nm; M_{rr}1.16±.04; $M_{\theta\theta}$−0.02±.07; $M_{\phi\phi}$−1.14±.06; $M_{r\theta}$−0.02±.17; $M_{r\phi}$1.26±.22; $M_{\theta\phi}$−0.29±.05. Principal Axes: T 1.73,Plg65°,Azm259°; N 0.01, Plg7°,Azm6°; P −1.73,Plg23°,Azm99°. Best double couple: $M_0$1.7×10^{17}Nm, NP1:ϕ_S204°, δ23°,λ110°. NP2:ϕ_S3°,δ69°,λ82°.

ISC	**V**	**03 16 45 56**±1.1	**31.64S**±.045	**179.34W**±.036	**48**±10	**6.6b,6.4s**	**827**	**3-175**
WEL	V	03 16 46 01.8	32.55S	177.98W	135	7.1L		¶97v0465
BJI	V	03 16 46 01.9	31.54S	179.32W	107	6.7b		
NEIC	V	03 16 46 02.0	31.79S	179.38W	108	6.6b		
MOS	V	03 16 46 02.7	31.6S	179.3W	108	6.9b		
EIDC	V	03 16 46 05.4	31.7S	179.3W	124	5.8b,6.0s		
HRVD	V	03 16 46 09.8±.1	31.70S±.01	179.06W±.01	119±.3			
WEL	Felt I=IV MM East Cape, Wellington and Chatham Island							
NEIC	Mw6.9(GS), Me6.7(GS).							
NEIC	Mw 6.9 (HRV).							
NEIC	Radiated energy from the P−wave first−motion solution: 2.2±0.3×10^{14}Nm/14							

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S40°,δ65°,λ−75°. NP2:ϕ_S188°,δ29°,λ−119°. Principal axes: T Plg19°,Azm119°; P Plg67°,Azm337°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s36, scale 10^{19}Nm; M_{rr}−1.31; $M_{\theta\theta}$0.03; $M_{\phi\phi}$1.28; $M_{r\theta}$−1.39; $M_{r\phi}$−0.80; $M_{\theta\phi}$0.81. Depth 105km; Principal axes: T 2.23,Plg22°,Azm124°; N −0.03,Plg20°, Azm223°; P −2.20,Plg59°,Azm351°. Best double couple: $M_0$2.2×10^{19}Nm; NP1:ϕ_S181°,δ29°, λ−135°. NP2:ϕ_S50°,δ70°,λ−68°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c154; Mantle waves: s54,c146; Half duration: 7ŝ0. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.91±.01; $M_{\theta\theta}$−1.35±.01; $M_{\phi\phi}$2.26±.01; $M_{r\theta}$−1.57±.01; $M_{r\phi}$−1.12±.01; $M_{\theta\phi}$0.50±.01. Principal Axes: T 2.86,Plg22°,Azm105°; N −0.11,Plg40°,Azm214°; P −2.74,Plg42°,Azm354°. Best double couple: $M_0$2.8×10^{19}Nm, NP1:ϕ_S149°,δ42°,λ−161°. NP2:ϕ_S45°,δ77°,λ−49°.

ISC	**V**	**03 16 56 11**±1.0	**31.9S**±.33	**179.4W**±.22	**200**	**4.1b**	**15**	**42-150**
NEIC	V	03 16 56 10.6	31.95S	179.41W	200			¶97v0467
EIDC	V	03 16 56 10.7	31.9S	179.3W	190	4.0b		
NEIC	Poor solution.							
ISC	**V**	**03 20 16 50.7**±.83	**31.74S**±.071	**178.9W**±.14	**33**	**4.3b**	**48**	**3-167**
EIDC	V	03 20 16 46.3	31.7S	178.7W	0	4.3b,4.5L		¶97v0495
NEIC	V	03 20 16 50.2	31.77S	178.89W	33	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**04 20 16 26**±2.7	**31.5S**±.92	**178.6W**±.38	**33**	**3.9b**	**14**	**30-150**
EIDC	V	04 20 16 20.4	32.3S	178.3W	0	4.0b		¶97v0690
NEIC	V	04 20 16 26.4	31.39S	178.57W	33	3.9b		
NEIC	Poor solution.							
NEIC	**V**	**05 13 00 28.0**	**31.49S**	**178.59W**	**33**	4.5b		**30-149**
EIDC	V	05 13 00 21.8	32.1S	178.2W	0	3.9b		¶97v0784
NEIC	Poor solution.							
EIDC	**V**	**05 17 00 01.6**	**28.9S**	**177.4W**	**0**	3.4b		**1-152**
								¶97v0820
ISC	**V**	**07 03 15 49.4**±.83	**28.1S**±.14	**177.2W**±.16	**100**	**4.1b**	**22**	**1-153**
EIDC	V	07 03 16 17.4	28.7S	177.1W	411	3.3b		¶97v1047
ISC	**V**	**11 06 55 52.4**±.27	**31.50S**±.055	**178.26W**±.065	**33**	**5.2b,4.6s**	**208**	**2-171**
EIDC	V	11 06 55 48.0	31.2S	178.0W	0	4.9b,4.1s		¶97v1738
BJI	V	11 06 55 51.3	31.04S	178.02W	27	5.0b		
NEIC	V	11 06 55 52.3	31.24S	178.24W	33	5.3b,4.7s		
MOS	V	11 06 55 52.7	31.2S	178.2W	33	5.4b,4.6s		
HRVD	V	11 06 55 59.7±.9	31.38S±.11	178.19W±.09	38±8.6			
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c18; Half duration: 1ŝ0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.04±.35; $M_{\theta\theta}$−0.09±.59; $M_{\phi\phi}$−3.94±.43; $M_{r\theta}$−2.73±1.18; $M_{r\phi}$4.84±1.13; $M_{\theta\phi}$−0.89±.44. Principal Axes: T 7.40,Plg58°,Azm228°; N −1.16,Plg17°,Azm347°; P −6.25,Plg26°,Azm86°. Best double couple: $M_0$6.8×10^{16}Nm, NP1: ϕ_S210°,δ24°,λ135°. NP2:ϕ_S342°,δ73°,λ72°.

EIDC	**V**	**13 01 10 33.1**	**29.8S**	**179.5E**	**700**	**2.5b**		**32-150**
								¶97v2098
ISC	**V**	**13 05 29 33.0**±.59	**31.7S**±.10	**178.0W**±.10	**33**	**4.7b,7.0s**	**58**	**2-161**
MOS	V	13 05 29 47.2	31.7S	178.3W	148	4.7b		¶97v2135
EIDC	V	13 05 29 50.4	31.7S	178.1W	180	4.1b		
NEIC	V	13 05 29 51.2	31.65S	178.24W	200	4.6b		
NEIC	Less reliable solution.							
EIDC	**V**	**13 05 59 28.0**	**31.3S**	**177.6W**	**0**	**4.2b**		**34-150**
								¶97v2150
EIDC	**V**	**13 10 30 52.8**	**31.5S**	**178.0W**	**0**	**3.6b**		**43-150**
								¶97v2228
ISC	**V**	**14 02 19 50**±1.3	**31.7S**±.11	**178.7W**±.14	**155**±14	**4.6b**	**39**	**3-161**
NEIC	V	14 02 19 47.1	31.49S	178.32W	150	4.6b		¶97v2366
EIDC	V	14 02 19 51.6	31.4S	178.3W	181	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**14 04 04 25.5**±.84	**31.63S**±.076	**179.2W**±.14	**33**	**4.5b**	**61**	**3-165**
EIDC	V	14 04 04 27.1	31.8S	178.9W	49	4.3b,4.4L		¶97v2385
NEIC	V	14 04 04 44.5	31.78S	179.48W	200	4.5b		
MOS	V	14 04 05 00.7	32.0S	179.7E	326	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**17 02 52 45.4**±.67	**31.67S**±.057	**179.1W**±.12	**33**	**4.5b**	**67**	**3-168**
NEIC	V	17 02 52 44.4	31.73S	178.99W	33	4.5b		¶97v2872
EIDC	V	17 02 52 45.3	32.2S	178.8W	43	4.3b,5.1L		
NEIC	Less reliable solution.							
EIDC	**V**	**17 18 07 58.6**	**31.8S**	**178.6W**	**0**	3.6b		**43-149**
								¶97v2968
NEIC	**V**	**18 03 00 06.9**	**31.67S**	**178.76W**	**33**	4.6b		**3-150**
EIDC	V	18 03 00 03.0	31.9S	178.6W	0	4.1b		¶97v3022
NEIC	Poor solution.							
EIDC	**V**	**19 16 06 48.3**	**29.8S**	**172.8W**	**0**	**3.8b**		**39-49**
								¶97v3276
ISC	**V**	**19 19 38 15**±2.9	**28.1S**±.61	**175.2W**±.29	**106**±31	**4.2b**	**21**	**3-154**
EIDC	V	19 19 38 03.5	27.8S	175.0W	0	4.3b,2.9s		¶97v3298
NEIC	V	19 19 38 07.5	27.85S	175.31W	33	4.3b		
NEIC	Poor solution.							
EIDC	**V**	**21 09 23 22.8**	**30.3S**	**176.9W**	**0**	**3.9b**		**35-151**
								¶97v3538
ISC	**V**	**21 09 49 54**±4.1	**30.4S**±.54	**179.7W**±.57	**500**	**4.4b**	**20**	**28-150**
NEIC	V	21 09 49 52.6	30.33S	179.50W	500	4.3b		¶97v3542
EIDC	V	21 09 50 02.0	30.1S	179.9E	564	3.9b		
NEIC	Poor solution.							
EIDC	**V**	**21 10 18 55.1**	**28.1S**	**178.1W**	**0**	**3.8b**		**35-152**
								¶97v3545
EIDC	**V**	**24 19 32 52.9**	**28.8S**	**177.5W**	**0**	**3.7b**		**35-152**
								¶97v4159
EIDC	**V**	**28 12 52 19.7**	**30.0S**	**179.7W**	**506**	**3.5b**		**32-150**
								¶97v4720
ISC	**VI**	**03 10 44 31**±1.7	**29.0S**±.13	**177.2W**±.13	**65**±13	**4.3b**	**30**	**1-152**
EIDC	VI	03 10 44 23.1	28.9S	177.2W	0	4.2b,3.4s		¶97vi0432
BJI	VI	03 10 44 26.5	28.97S	177.30W	21			
NEIC	VI	03 10 44 26.8	28.85S	177.16W	33	4.7b		
NEIC	Poor solution.							
EIDC	**VI**	**09 01 58 42.2**	**31.3S**	**179.0E**	**558**	**3.2b**		**32-149**
								¶97vi1311
ISC	**VI**	**09 16 32 17**±2.9	**28.2S**±.16	**178.9W**±.22	**437**±32	**3.9b**	**34**	**1-157**
EIDC	VI	09 16 31 47.4	28.1S	178.2W	155	4.0b		¶97vi1420
BJI	VI	09 16 31 48.7	27.40S	178.60W	154	4.8b		
NEIC	VI	09 16 31 48.7	27.42S	178.60W	154			
NEIC	Poor solution.							
ISC	**VI**	**13 01 23 18**±8.6	**29.9S**±.21	**176.5W**±.24	**25**±58	**4.1b,3.2s**	**21**	**1-160**
NEIC	VI	13 01 23 20.8	29.91S	176.54W	41	4.2b		¶97vi1918
EIDC	VI	13 01 23 21.3	30.1S	176.4W	38	3.9b,3.3s		
NEIC	Poor solution.							
EIDC	**VI**	**15 12 58 14.3**	**31.6S**	**178.7W**	**0**	3.5b		**42-149**
								¶97vi2299
EIDC	**VI**	**16 14 36 34.3**	**31.5S**	**178.3W**	**0**	3.9b		**43-149**
								¶97vi2479
ISC	**VI**	**19 02 47 01.4**±.58	**31.97S**±.065	**179.3W**±.14	**33**	**4.4b**	**52**	**3-160**
NEIC	VI	19 02 47 01.0	31.89S	179.23W	33	4.9b		¶97vi2860
MOS	VI	19 02 47 02.7	31.8S	179.4W	33	5.0b		
EIDC	VI	19 02 47 04.8	32.1S	179.2W	56	4.3b,4.9L		
NEIC	Less reliable solution.							
NEIC	**VI**	**20 11 12 33.4**	**29.13S**	**175.72W**	**33**	4.2b		**2-153**
EIDC	VI	20 11 12 26.0	30.2S	174.9W	0	3.9b		¶97vi3044
NEIC	Poor solution.							
NEIC	**VI**	**20 19 42 48.6**	**31.85S**	**178.88W**	**33**	4.4b		**30-150**
EIDC	VI	20 19 42 42.3	33.1S	178.4W	0	4.3b		¶97vi3105
NEIC	Poor solution.							
EIDC	**VI**	**20 23 56 03.1**	**28.8S**	**177.5W**	**0**	3.5b		**44-152**
								¶97vi3127
EIDC	**VI**	**23 14 11 53.7**	**31.2S**	**176.9W**	**0**	3.7b		**44-153**
								¶97vi3536
ISC	**VI**	**27 10 34 29**±4.3	**28.6S**±.30	**177.8W**±.59	**33**	**4.0b,**3.5s	**14**	**1-152**
EIDC	VI	27 10 34 25.3	28.5S	177.9W	0	4.1b,3.5s		¶97vi4281
NEIC	VI	27 10 34 28.2	28.57S	177.74W	33	4.0b		
NEIC	Poor solution.							
EIDC	**VI**	**27 11 09 51.9**	**31.5S**	**178.2E**	**653**	**2.3b**		**31-149**
								¶97vi4290
ISC	**VI**	**28 21 10 46**±6.1	**31.8S**±.82	**179.6W**±.91	**33**	**4.1b**	**10**	**33-149**
EIDC	VI	28 21 10 30.3	31.7S	177.9W	0	4.1b		¶97vi4526
ISC	**VI**	**28 21 56 31**±5.7	**31.8S**±.80	**179.9E**±.87	**400**	**3.8b**	**14**	**32-150**
EIDC	VI	28 21 55 41.3	30.8S	178.4W	0	4.1b		¶97vi4532
NEIC	VI	28 21 56 31.7	31.96S	179.75E	400	3.9b		
NEIC	Poor solution.							
EIDC	**VI**	**29 23 34 24.5**	**31.7S**	**177.8W**	**0**	**3.8b**		**34-150**
								¶97vi4684
EIDC	**VI**	**30 07 10 09.2**	**31.2S**	**177.9W**	**0**	4.2b		**43-150**
								¶97vi4721
ISC	**VI**	**30 13 46 37**±2.1	**30.0S**±.21	**179.1W**±.33	**473**±51	**3.9b**	**14**	**9-150**
NEIC	VI	30 13 46 32.9	29.82S	179.40W	400	3.9b		¶97vi4766
EIDC	VI	30 13 46 35.3	29.7S	179.5W	408	3.5b		
NEIC	Less reliable solution.							

(178) Kermadec Islands.

NEIC	**I**	**02 22 06 03.2**	**29.59S**	**178.01W**	**33**	4.1b		**35-151**
EIDC	I	02 22 05 57.6	30.0S	177.6W	0	4.2b		¶97i0278
NEIC	Poor solution.							
ISC	**I**	**13 23 37 23**±1.3	**30.4S**±.12	**178.1W**±.14	**118**±11	**4.9b**	**55**	**1-160**
NEIC	I	13 23 37 38.2	30.50S	178.48W	250	4.8b		¶97i1914
EIDC	I	13 23 37 50.1	30.4S	178.9W	335	4.3b		
WEL	Felt I=IV MM Raoul Island							
NEIC	Less reliable solution.							
EIDC	**I**	**14 11 37 30.7**	**29.6S**	**177.5W**	**0**	**4.2b**		**0-149**
								¶97i1985
EIDC	**I**	**14 22 35 46.4**	**30.1S**	**178.2W**	**0**	3.8b		**43-145**
								¶97i2071
EIDC	**I**	**16 22 49 22.9**	**29.7S**	**177.5W**	**0**	**3.8b**		**35-146**
								¶97i2369
EIDC	**I**	**20 09 00 49.0**	**30.5S**	**177.7W**	**0**	**3.9b**		**35-151**
								¶97i2971
EIDC	**I**	**21 02 00 03.8**	**30.6S**	**177.9W**	**0**	**3.9b**		**35-150**
								¶97i3119
EIDC	**I**	**23 23 20 31.4**	**30.5S**	**178.3W**	**0**	3.6b		**44-150**
								¶97i3565

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**I**	**24 21 02 10.3**	**29.1S**	**177.8W**	**0**	3.4b		**43-158**
								¶97i3688
EIDC	**I**	**26 00 51 14.1**	**30.3S**	**177.6W**	**0**	**3.7b**		**35-151**
								¶97i3865
EIDC	**I**	**30 00 47 54.1**	**29.1S**	**178.3W**	**0**	3.5b		**43-144**
								¶97i4423
ISC	**II**	**02 07 33 45**±7.3	**29.6S**±.93	**178.2W**±.80	**26**±49	**4.0b**		**9 0-151**
EIDC	II	02 07 33 34.7	29.8S	177.0W	0	4.0b		**¶97ii0191**
ISC	**II**	**02 13 30 01**±1.2	**30.3S**±.19	**178.7W**±.18	**155**	**4.2b**		**15 1-150**
NEIC	II	02 13 30 01.2	30.29S	178.63W	155	4.1b		**¶97ii0228**
EIDC	II	02 13 30 03.5	30.3S	178.7W	158	4.0b		
NEIC		Less reliable solution.						
ISC	**II**	**02 15 27 08**	**30.5S**	**177.5W**	**33**	**4.7b**,4.6s		**31 1-160**
NEIC	II	02 15 28 07.9	30.24S	179.88W	550	4.6b		**¶97ii0242**
EIDC	II	02 15 28 08.3	30.1S	179.8W	547	3.5b		
MOS	II	02 15 28 11.4	29.7S	179.7E	550	4.5b		
ISC		Assigned origin						
NEIC		Less reliable solution.						
ISC	**II**	**02 22 56 33**	**30.5S**	**177.5W**	**33**	**4.3b**		**16 1-151**
NEIC	II	02 22 57 37.1	29.90S	179.75E	600	4.1b		**¶97ii0290**
EIDC	II	02 22 57 45.3	30.0S	179.3E	666	3.3b		
ISC		Assigned origin						
NEIC		Poor solution.						
EIDC	**II**	**02 23 30 17.5**	**30.6S**	**177.2W**	**0**	**4.4b**		**1-151**
								¶97ii0296
EIDC	**II**	**03 13 47 44.9**	**30.8S**	**178.4W**	**0**	**3.7b**		**8-150**
								¶97ii0382
ISC	**II**	**04 04 00 33.8**±.27	**30.35S**±.047	**178.08W**±.056	**100**	**5.0b**		**136 1-170**
BJI	II	04 04 00 40.3	29.87S	178.29W	153	4.8b		**¶97ii0461**
NEIC	II	04 04 00 40.4	29.94S	178.31W	153	5.0b		
MOS	II	04 04 00 41.7	29.0S	178.6W	150	5.0b		
EIDC	II	04 04 00 45.6	29.9S	178.3W	188	4.4b		
WEL		Felt I=IV MM Raoul Island						
EIDC	**II**	**07 17 33 14.5**	**30.9S**	**178.9W**	**0**	**3.9b**		**34-145**
								¶97ii1015
EIDC	**II**	**15 07 02 45.1**	**29.8S**	**178.5W**	**0**	**4.1b**		**34-151**
								¶97ii2185
EIDC	**II**	**15 07 04 44.7**	**29.7S**	**178.4W**	**0**	**4.5b**,4.4s		**33-151**
								¶97ii2186
EIDC	**II**	**16 12 30 39.2**	**29.4S**	**177.2W**	**0**	**4.2b**		**34-148**
								¶97ii2375
EIDC	**II**	**18 00 25 38.0**	**30.6S**	**178.0W**	**0**	**4.1b**		**43-150**
								¶97ii2577
EIDC	**II**	**26 03 02 35.5**	**30.9S**	**178.2W**	**0**	4.2b		**43-150**
								¶97ii3735
ISC	**III**	**06 11 12 55**±4.4	**29.1S**±.58	**178.5W**±.65	**500**	**4.0b**		**18 1-151**
EIDC	III	06 11 12 03.6	30.7S	177.4W	0	4.4b,4.1s		**¶97iii1258**
NEIC	III	06 11 13 04.3	30.64S	179.72W	500	4.0b		
NEIC		Poor solution.						
ISC	**III**	**09 14 50 52.2**±.81	**30.12S**±.071	**178.7W**±.11	**222**±8.5	**4.3b**		**83 1-170**
BJI	III	09 14 50 50.4	29.48S	178.85W	195	4.7b		**¶97iii1990**
NEIC	III	09 14 50 50.5	29.74S	178.76W	200	4.6b		
MOS	III	09 14 50 51.7	29.5S	178.9W	200	4.4b		
EIDC	III	09 14 50 51.8	29.9S	178.7W	206	4.0b		
NEIC		Less reliable solution.						
EIDC	**III**	**09 20 55 34.6**	**30.5S**	**178.2W**	**0**	**4.2b**		**34-150**
								¶97iii2083
EIDC	**III**	**11 19 35 59.3**	**30.4S**	**177.6W**	**0**	**4.2b**		**35-151**
								¶97iii2434
EIDC	**III**	**12 12 23 39.8**	**30.3S**	**177.9W**	**0**	**4.3b**		**35-151**
								¶97iii2537
EIDC	**III**	**12 22 20 53.9**	**29.5S**	**178.6W**	**0**	3.5b		**43-151**
								¶97iii2597
NEIC	**III**	**13 00 31 04.3**	**30.57S**	**177.66W**	**33**	4.2b		**34-151**
EIDC	III	13 00 31 01.1	30.6S	177.6W	0	4.1b		**¶97iii2613**
NEIC		Poor solution.						
NEIC	**III**	**13 01 24 10.2**	**29.63S**	**178.10W**	**33**	4.3b		**35-151**
EIDC	III	13 01 24 08.4	29.3S	178.4W	0	4.0b		**¶97iii2621**
NEIC		Poor solution.						
EIDC	**III**	**14 15 14 57.4**	**29.4S**	**178.2W**	**0**	3.6b		**43-151**
								¶97iii2905
EIDC	**III**	**14 16 31 10.5**	**29.6S**	**177.7W**	**0**	**3.8b**		**34-151**
								¶97iii2916
EIDC	**III**	**15 00 49 40.0**	**30.0S**	**177.5W**	**0**	**3.6b**		**17-151**
								¶97iii2969
ISC	**III**	**16 19 34 02**±5.1	**30.9S**±.55	**177.2W**±.68	**0**	**4.3b**		**23 27-160**
EIDC	III	16 19 34 06.2	31.2S	177.6W	0	4.2b		**¶97iii3260**
ISC	**III**	**16 21 24 22**±2.1	**30.9S**±.14	**177.7W**±.16	**52**±17	**4.4b**,3.7s		**28 2-158**
EIDC	III	16 21 24 15.5	31.1S	177.6W	0	4.4b,3.7s		**¶97iii3271**
NEIC	III	16 21 24 19.8	30.89S	177.63W	33	4.6b		
MOS	III	16 21 24 20.9	31.1S	177.9W	33	4.7b		
NEIC		Less reliable solution.						
EIDC	**III**	**16 22 13 13.0**	**30.9S**	**177.5W**	**0**	**4.2b**		**2-150**
								¶97iii3274
EIDC	**III**	**19 02 26 29.5**	**30.5S**	**179.0W**	**0**	**3.6b**		**34-150**
								¶97iii3614
EIDC	**III**	**20 00 46 20.3**	**30.5S**	**177.7W**	**0**	3.6b		**43-151**
								¶97iii3800
ISC	**III**	**26 12 07 02**±1.7	**30.80S**±.082	**177.59W**±.087	**47**±15	**4.5b,4.7s**		**52 2-150**
EIDC	III	26 12 06 56.4	30.9S	177.4W	0	4.4b,4.7s		**¶97iii4951**
NEIC	III	26 12 07 00.5	30.84S	177.57W	33	5.0b		
BJI	III	26 12 07 00.6	30.41S	177.43W	30	5.2b		
MOS	III	26 12 07 01.3	30.8S	177.6W	33	5.3b		
ISC	**III**	**26 13 00 02**±1.1	**30.3S**±.17	**178.6W**±.18	**33**	**4.2b**		**17 1-149**
EIDC	III	26 12 59 52.0	30.0S	177.7W	0	4.3b		**¶97iii4968**
EIDC	**III**	**29 16 04 58.0**	**30.7S**	**177.4W**	**25**	**3.8b**		**35-151**
								¶97iii5616
ISC	**III**	**30 04 46 07**±1.3	**29.2S**±.19	**178.1W**±.33	**41**±25	**4.2b**		**19 0-151**
EIDC	III	30 04 46 04.4	29.2S	178.3W	0	4.2b,4.3s		**¶97iii5699**
NEIC	III	30 04 46 06.5	29.16S	178.17W	33	4.5b		
NEIC		Less reliable solution.						
ISC	**III**	**30 04 49 29**±1.7	**29.0S**±.23	**177.8W**±.22	**74**±12	**4.1b**		**17 0-162**
NEIC	III	30 04 49 23.0	28.91S	177.60W	33	4.4b		**¶97iii5701**
EIDC	III	30 04 49 58.5	29.2S	178.2W	341	3.5b		
NEIC		Poor solution.						
EIDC	**III**	**30 08 02 11.8**	**30.6S**	**178.0W**	**0**	**3.5b**		**34-150**
								¶97iii5724
ISC	**III**	**30 10 37 03**±2.5	**30.2S**±.24	**177.2W**±.23	**94**±20	**4.3b**		**17 1-151**
EIDC	III	30 10 36 54.1	31.0S	177.3W	0	4.2b		**¶97iii5739**
NEIC	III	30 10 36 55.7	30.24S	177.11W	33	4.5b		
NEIC		Poor solution.						
ISC	**III**	**30 11 35 38**±2.5	**30.5S**±.35	**177.3W**±.40	**72**±40	**4.2b**		**16 1-151**
EIDC	III	30 11 35 31.9	30.7S	177.4W	0	4.3b		**¶97iii5750**
NEIC	III	30 11 35 52.0	30.64S	177.50W	200	4.1b		
NEIC		Poor solution.						
EIDC	**III**	**30 12 33 15.7**	**31.0S**	**177.5W**	**0**	**4.2b**		**2-150**
								¶97iii5760
ISC	**III**	**30 16 23 23**±1.7	**30.9S**±.13	**177.5W**±.26	**33**	**4.3b**		**16 2-150**
EIDC	III	30 16 23 18.8	31.1S	177.4W	0	4.4b		**¶97iii5776**
NEIC	III	30 16 23 36.7	30.97S	177.74W	150	4.2b		
NEIC		Poor solution.						
EIDC	**IV**	**09 10 30 26.4**	**30.9S**	**178.0W**	**38**	**3.6b**		**34-150**
								¶97iv1500
EIDC	**IV**	**12 16 09 40.8**	**30.9S**	**177.4W**	**0**	4.1b		**2-150**
								¶97iv2096
EIDC	**IV**	**14 05 31 38.3**	**29.5S**	**178.3W**	**0**	**4.3b**		**33-151**
								¶97iv2394
EIDC	**IV**	**26 00 25 40.8**	**31.0S**	**178.0W**	**0**	**4.7b**		**2-150**
								¶97iv4436
EIDC	**IV**	**27 00 25 10.8**	**29.4S**	**177.7W**	**0**	**3.8b**		**35-144**
								¶97iv4631
ISC	**IV**	**27 06 02 31**±3.9	**30.33S**±.086	**177.7W**±.13	**24**±27	**4.7b**,3.5s		**53 1-165**
NEIC	IV	27 06 02 32.3	30.21S	177.71W	33	4.9b		**¶97iv4674**
MOS	IV	27 06 02 32.9	30.1S	177.9W	33	5.1b		
EIDC	IV	27 06 02 37.1	29.4S	178.0W	47	4.3b,3.6s		
NEIC		Less reliable solution.						
NEIC	**IV**	**27 16 49 01.3**	**29.78S**	**178.46W**	**33**	4.1b		**43-148**
EIDC	IV	27 16 48 54.5	30.8S	177.9W	0	3.7b		**¶97iv4760**
NEIC		Poor solution.						
ISC	**V**	**03 17 28 52**±2.5	**29.0S**±.97	**178.9W**±.36	**33**	**4.1b**		**10 42-144**
EIDC	V	03 17 28 49.0	28.7S	179.0W	0	4.2b		**¶97v0476**
EIDC	**V**	**05 17 46 19.9**	**29.5S**	**177.6W**	**0**	**3.6b**		**35-151**
								¶97v0826
EIDC	**V**	**05 22 32 21.6**	**30.2S**	**178.7W**	**0**	**3.7b**		**34-150**
								¶97v0860
ISC	**V**	**08 11 10 16**±1.4	**30.34S**±.063	**177.43W**±.089	**47**±13	**4.8b,4.1s**		**68 1-160**
EIDC	V	08 11 10 09.5	30.3S	177.2W	0	4.6b,4.1s		**¶97v1231**
BJI	V	08 11 10 13.6	29.93S	177.00W	32	5.1b		
NEIC	V	08 11 10 14.1	30.30S	177.42W	33	4.9b		
MOS	V	08 11 10 14.9	30.4S	177.5W	33	4.8b		
NEIC		Less reliable solution.						
EIDC	**V**	**13 00 47 02.6**	**30.1S**	**177.1W**	**0**	**3.8b**		**35-151**
								¶97v2088
ISC	**V**	**13 01 20 05.8**±.87	**29.6S**±.22	**178.6W**±.14	**33**	**4.2b**		**21 1-151**
EIDC	V	13 01 19 53.2	30.3S	177.2W	0	4.3b		**¶97v2099**
NEIC	V	13 01 19 58.1	29.57S	177.58W	33	4.3b		
MOS	V	13 01 20 01.1	28.9S	177.6W	33	4.7b		
NEIC		Poor solution.						
ISC	**V**	**16 00 01 06**±1.1	**30.2S**±.18	**178.6W**±.17	**43**±2.2*	**4.2b**,3.2s		**22 1-150**
NEIC	V	16 00 00 57.5	31.18S	177.29W	45	4.3b		**¶97v2699**
EIDC	V	16 00 00 59.7	31.0S	177.5W	44	3.6s,4.1b		
MOS	V	16 00 01 01.8	29.7S	178.1W	33	4.6b		
NEIC		Poor solution.						
ISC	**V**	**18 01 14 12**±1.9	**29.3S**±.66	**178.1W**±.58	**82**±31	**4.1b**		**18 0-151**
EIDC	V	18 01 13 57.4	30.6S	177.1W	0	3.9b		**¶97v3010**
NEIC	V	18 01 14 04.6	29.03S	177.86W	33	4.3b		
NEIC		Poor solution.						
ISC	**V**	**18 04 58 34.1**±.20	**30.60S**±.051	**177.38W**±.051	**33**	**5.2b,5.3s**		**270 1-170**
EIDC	V	18 04 58 30.0	30.4S	177.4W	0	4.9b,5.2s		**¶97v3028**
BJI	V	18 04 58 31.9	29.85S	176.79W	16	5.2b,5.4s		
NEIC	V	18 04 58 34.2	30.43S	177.41W	33	5.4b,5.4s		
MOS	V	18 04 58 35.0	30.4S	177.1W	33	5.6b,5.3s		
HRVD	V	18 04 58 37.3±.2	30.31S±.02	176.94W±.03	15			
NEIC		Mw5.6(GS), Mw5.6(HRV).						
NEIC		Moment tensor solution: s21, scale 10^{17}Nm; M_{rr}0.43; $M_{\theta\theta}$−0.53; $M_{\phi\phi}$0.10; $M_{r\theta}$0.11; $M_{r\phi}$2.70; $M_{\theta\phi}$−0.35. Depth 14km; Principal axes: T 2.98,Plg47°,Azm266°; N −0.48,Plg8°,Azm5°; P −2.50,Plg42°,Azm103°. Best double couple: $M_0$2.7×10^{17}Nm; NP1:ϕ_S261°,δ9°,λ166°. NP2: ϕ_S5°,δ88°,λ82°.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c77; Mantle waves: s5,c7; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55±.04; $M_{\theta\theta}$0.37±.05; $M_{\phi\phi}$−1.92±.06; $M_{r\theta}$0.30±.07; $M_{r\phi}$1.86±.08; $M_{\theta\phi}$−0.44±.04. Principal Axes: T 2.37,Plg67°,Azm277°; N 0.45,Plg1°,Azm10°; P −2.82,Plg23°,Azm100°. Best double couple: $M_0$2.6×10^{17}Nm, NP1:ϕ_S192°,δ22°,λ93°. NP2:ϕ_S9°,δ68°,λ89°.						
ISC	**V**	**18 05 10 55**±4.2	**30.52S**±.084	**177.3W**±.15	**24**±30	**4.6b**		**39 1-151**
EIDC	V	18 05 10 52.4	30.3S	177.2W	0	4.5b		**¶97v3029**
NEIC	V	18 05 10 56.2	30.34S	177.28W	33	4.8b		
MOS	V	18 05 10 58.0	30.4S	177.5W	33	4.6b		
NEIC		Less reliable solution.						
ISC	**V**	**18 05 22 02**±1.6	**30.4S**±.13	**177.7W**±.26	**33**	**4.5b**		**22 1-159**
EIDC	V	18 05 21 56.1	30.7S	177.2W	0	4.5b		**¶97v3030**
NEIC	V	18 05 21 59.6	30.10S	177.36W	33	4.5b		
NEIC		Poor solution.						
ISC	**V**	**18 16 54 51**±4.5	**30.45S**±.081	**177.4W**±.14	**12**±27	**4.7b**,3.7s		**38 1-160**
EIDC	V	18 16 54 48.5	30.4S	177.1W	0	4.5b,3.7s		**¶97v3121**
NEIC	V	18 16 54 53.2	30.26S	177.31W	33	4.8b		
MOS	V	18 16 54 55.3	30.5S	177.7W	33	4.7b		
NEIC		Less reliable solution.						
ISC	**V**	**18 17 27 37**±1.2	**30.60S**±.080	**177.5W**±.20	**33**	**4.6b**,3.9s		**42 1-160**
EIDC	V	18 17 27 36.0	29.6S	177.8W	0	4.5b,4.3s		**¶97v3122**
NEIC	V	18 17 27 37.3	30.24S	177.52W	33	4.9b		
MOS	V	18 17 27 39.3	30.5S	177.9W	33	5.0b		
NEIC		Poor solution.						
ISC	**V**	**19 09 12 06.8**±.90	**29.7S**±.21	**178.6W**±.14	**33**	**4.3b**		**17 1-151**
EIDC	V	19 09 11 53.8	30.1S	177.2W	0	4.3b		**¶97v3231**
NEIC	V	19 09 12 00.5	28.86S	177.81W	33	4.4b		
NEIC		Poor solution.						
ISC	**V**	**21 05 28 26**±2.4	**30.4S**±.11	**177.2W**±.10	**33**±20	**4.5b,4.5s**		**72 1-160**
MOS	V	21 05 28 27.7	30.4S	177.2W	42	4.7b		**¶97v3519**
NEIC	V	21 05 28 28.0	30.36S	177.23W	50	4.7b,4.6s		
EIDC	V	21 05 28 35.1	30.6S	177.3W	105	4.1b,4.1s		
NEIC		Less reliable solution.						
NEIC	**V**	**21 09 45 25.8**	**29.76S**	**177.58W**	**33**			**1-151**
EIDC	V	21 09 45 22.3	29.7S	177.5W	0	3.9b		**¶97v3541**
NEIC		Poor solution.						
EIDC	**V**	**23 04 40 20.2**	**29.7S**	**177.6W**	**0**	**3.9b**		**35-151**
								¶97v3887
EIDC	**V**	**24 15 48 06.8**	**30.5S**	**177.1W**	**0**	**3.9b**		**30-151**
								¶97v4132

ISC	**V**	**28 07 59 21**±2.1	**29.7S**±.92	**177.9W**±.34	**33**	**4.0b**	**9**	**34-151**
EIDC	V	28 07 59 17.1	29.7S	177.7W	0	4.0b		¶97v4679
ISC	**VI**	**03 00 43 08**±2.6	**30.3S**±.14	**177.4W**±.12	**40**±24	**4.5b**,3.5s	**38**	**1-160**
EIDC	VI	03 00 43 03.0	30.4S	177.3W	0	4.4b,3.5s		¶97vi0360
NEIC	VI	03 00 43 06.7	30.36S	177.36W	33	4.7b		
MOS	VI	03 00 43 08.7	30.6S	177.7W	33	4.9b		
NEIC	Less reliable solution.							
EIDC	**VI**	**04 23 37 50.7**	**31.0S**	**178.0W**	**0**	**4.0b**		**34-150**
								¶97vi0686
EIDC	**VI**	**06 10 39 10.8**	**30.7S**	**178.0W**	**0**	**4.7b**		**8-150**
								¶97vi0926
ISC	**VI**	**13 11 35 58**±3.0	**29.5S**±.11	**177.0W**±.25	**38**±19	**4.1b**,2.8s	**23**	**1-152**
EIDC	VI	13 11 36 01.8	29.2S	177.2W	53	3.9b,2.8s		¶97vi1982
ISC	**VI**	**18 16 26 55**±1.2	**30.8S**±.22	**178.7W**±.14	**294**±16	**4.1b**	**25**	**2-150**
NEIC	VI	18 16 27 10.8	30.13S	179.29W	450	4.2b		¶97vi2806
EIDC	VI	18 16 27 11.5	29.9S	179.4W	437	3.7b		
ISC	**VI**	**19 00 23 49**±1.1	**30.69S**±.059	**178.81W**±.072	**88**±9.6	**5.1b**	**198**	**2-170**
EIDC	VI	19 00 23 54.7	30.4S	178.8W	130	4.5b		¶97vi2848
NEIC	VI	19 00 24 01.1	30.66S	179.00W	200	5.2b		
BJI	VI	19 00 24 01.9	30.23S	179.06W	188	5.1b		
MOS	VI	19 00 24 06.5	30.7S	179.1W	243	5.5b		
EIDC	**VI**	**19 11 50 31.4**	**29.9S**	**178.2W**	**0**	**3.9b**		**34-151**
								¶97vi2916
EIDC	**VI**	**19 23 39 06.5**	**29.6S**	**177.7W**	**0**	**4.3b**		**34-151**
								¶97vi2977
EIDC	**VI**	**22 20 04 54.5**	**30.4S**	**178.0W**	**0**	**3.6b**		**35-151**
								¶97vi3429
EIDC	**VI**	**23 02 58 14.7**	**29.8S**	**178.4W**	**34**	**3.5b**		**43-151**
								¶97vi3477
ISC	**VI**	**24 03 18 15**±1.2	**30.3S**±.16	**178.0W**±.16	**100**	**4.6b**	**29**	**8-155**
NEIC	VI	24 03 18 38.3	30.73S	178.59W	300	4.2b		¶97vi3626
EIDC	VI	24 03 18 48.4	30.7S	178.9W	380	3.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**25 21 32 54**±3.5	**30.2S**±.34	**177.6W**±.22	**36**±44	**4.3b**	**26**	**1-159**
NEIC	VI	25 21 33 13.1	30.32S	177.90W	200	4.1b		¶97vi4034
EIDC	VI	25 21 33 16.8	30.2S	178.0W	218	3.8b		
NEIC	Less reliable solution.							
EIDC	**VI**	**27 22 01 26.9**	**30.8S**	**177.8W**	**0**	**4.2b**		**34-150**
								¶97vi4371

(179) South of Kermadec Islands.

ISC	**I**	**01 08 48 39**±5.9	**34.5S**±.13	**178.3W**±.86	**33**	**4.2b**	**14**	**4-150**
EIDC	I	01 08 48 40.4	34.5S	179.1W	0	4.2b		¶97i0045
NEIC	I	01 08 48 46.4	34.76S	179.52W	33	4.3b		
NEIC	Poor solution.							
NEIC	**I**	**01 09 40 26.1**	**33.97S**	**179.07W**	**33**	3.8b		**5-148**
EIDC	I	01 09 40 19.8	33.7S	178.6W	0	4.0b		¶97i0052
NEIC	Poor solution.							
EIDC	**I**	**01 10 35 09.5**	**34.2S**	**178.8W**	**0**	3.7b		**42-147**
								¶97i0060
ISC	**I**	**01 11 46 32**±5.4	**32.9S**±.20	**178.1W**±.43	**38**±29	**4.6b**	**29**	**6-153**
EIDC	I	01 11 46 29.9	32.8S	178.3W	0	4.7b		¶97i0069
NEIC	I	01 11 46 34.0	32.89S	178.39W	33	4.7b		
NEIC	Poor solution.							
NEIC	**I**	**01 20 00 56.0**	**34.22S**	**179.04W**	**33**			**4-153**
EIDC	I	01 20 00 49.6	33.9S	178.5W	0	4.4b		¶97i0112
NEIC	Poor solution.							
ISC	**I**	**02 22 12 42**±2.0	**32.89S**±.093	**177.7W**±.34	**35**±15	**4.6b**	**35**	**4-160**
EIDC	I	02 22 12 41.0	32.8S	178.1W	0	4.4b		¶97i0279
NEIC	I	02 22 13 07.4	32.48S	179.05W	200	4.6b		
NEIC	Poor solution.							
EIDC	**I**	**03 02 52 10.5**	**32.6S**	**178.2W**	**0**	3.7b		**43-149**
								¶97i0304
EIDC	**I**	**05 16 26 58.1**	**33.5S**	**178.6W**	**0**	4.2b		**44-152**
								¶97i0687
ISC	**I**	**08 09 57 00**±1.2	**34.10S**±.084	**179.0W**±.18	**33**	**4.3b**	**27**	**4-153**
EIDC	I	08 09 56 55.5	34.0S	178.8W	0	4.3b		¶97i1047
NEIC	I	08 09 57 01.1	34.00S	179.07W	33	4.4b		
NEIC	Poor solution.							
ISC	**I**	**08 22 53 32**±2.9	**32.8S**±.14	**179.1W**±.45	**33**	**4.4b**	**23**	**5-153**
EIDC	I	08 22 53 25.6	33.1S	178.6W	0	4.6b		¶97i1130
NEIC	I	08 22 53 32.0	32.82S	179.06W	33	4.2b		
NEIC	Poor solution.							
NEIC	**I**	**10 14 42 36.0**	**34.08S**	**178.90W**	**33**	4.3b		**5-152**
EIDC	I	10 14 42 29.8	34.6S	178.5W	0	4.3b		¶97i1380
NEIC	Poor solution.							
EIDC	**I**	**15 09 05 15.8**	**34.9S**	**174.2W**	**0**	**4.2b**,3.6s		**37-48**
								¶97i2129
EIDC	**I**	**17 05 25 28.1**	**32.6S**	**179.4E**	**0**	3.8b		**41-118**
								¶97i2406
ISC	**I**	**17 10 48 55**±1.6	**33.3S**±.12	**179.7E**±.21	**369**±12	**3.9b**	**46**	**4-147**
NEIC	I	17 10 49 01.1	32.80S	179.16E	400	4.0b		¶97i2431
EIDC	I	17 10 49 15.2	32.8S	178.7E	542	3.6b		
NEIC	Poor solution.							
EIDC	**I**	**18 02 20 05.3**	**34.2S**	**178.6W**	**38**	3.5b		**43-147**
								¶97i2580
NEIC	**I**	**18 04 41 49.8**	**34.89S**	**179.28W**	**33**	**4.2b**		**3-153**
EIDC	I	18 04 41 50.0	34.3S	178.9W	39	4.0b		¶97i2601
NEIC	Poor solution.							
EIDC	**I**	**18 05 20 02.0**	**33.0S**	**179.0W**	**0**	3.6b		**42-148**
								¶97i2603
ISC	**I**	**21 04 18 49**±2.8	**33.45S**±.088	**178.4W**±.38	**33**	**4.5b**	**30**	**5-153**
EIDC	I	21 04 18 47.1	34.1S	178.9W	0	4.8b		¶97i3136
ISC	**I**	**25 07 18 45**±2.6	**32.9S**±.13	**178.2W**±.40	**100**	**4.0b**	**16**	**6-152**
EIDC	I	25 07 20 04.0	31.2S	177.3E	700	2.9b		¶97i3768
EIDC	**I**	**26 11 29 45.8**	**32.5S**	**178.3W**	**0**	3.7b		**43-149**
								¶97i3937
EIDC	**I**	**27 22 28 45.5**	**32.6S**	**177.6W**	**0**	3.8b		**43-149**
								¶97i4134
EIDC	**I**	**31 16 05 53.9**	**33.1S**	**173.4W**	**52**	**3.7b**		**8-91**
								¶97i4646
EIDC	**II**	**03 20 50 49.1**	**32.1S**	**178.7W**	**0**	**4.1b**		**6-151**
								¶97ii0423
ISC	**II**	**08 15 21 53**±5.9	**33.7S**±.14	**178.8W**±.83	**23**	**3.7b**	**17**	**5-162**
EIDC	II	08 15 21 55.2	33.5S	178.9W	23	3.7b		¶97ii1160
ISC	**II**	**10 09 24 06**±3.3	**32.3S**±.17	**180.0W**±.48	**33**	**4.2b**	**17**	**5-151**
NEIC	II	10 09 23 58.1	31.44S	178.80W	33			¶97ii1439
EIDC	II	10 09 23 58.8	31.3S	178.6W	44	3.8b,4.1L		
NEIC	Poor solution.							
EIDC	**II**	**16 15 09 37.1**	**32.3S**	**178.5W**	**0**	3.8b		**7-151**
								¶97ii2386
EIDC	**II**	**17 20 50 27.6**	**33.0S**	**178.8W**	**0**	3.8b		**42-151**
								¶97ii2545
EIDC	**II**	**26 04 40 57.6**	**32.5S**	**179.1W**	**0**	3.6b		**42-151**
								¶97ii3743
ISC	**III**	**02 22 24 23**±2.7	**33.2S**±.13	**178.9W**±.40	**33**	**4.4b**	**21**	**4-152**
EIDC	III	02 22 24 14.6	32.5S	178.1W	0	4.3b		¶97iii0416
NEIC	III	02 22 24 18.4	32.63S	178.18W	33	4.9b		
NEIC	Poor solution.							
ISC	**III**	**04 00 35 42**±1.4	**33.35S**±.069	**178.4W**±.16	**42**±14	**4.4b**,4.0s	**27**	**4-153**
NEIC	III	04 00 35 42.0	33.58S	178.71W	33	4.4b		¶97iii0728
EIDC	III	04 00 35 42.1	33.1S	178.4W	38	4.2b,4.0s		
NEIC	Less reliable solution.							
EIDC	**III**	**06 23 27 18.2**	**32.7S**	**178.5W**	**0**	3.7b		**43-151**
								¶97iii1372
WEL	**III**	**07 12 11 59.9**	**34.91S**	**178.35E**	**33**	**4.2L**		¶97iii1511
EIDC	III	07 12 11 35.9	34.4S	179.9W	0	3.8b		
EIDC	**III**	**11 09 26 24.8**	**32.4S**	**179.1W**	**0**	4.1b		**42-151**
								¶97iii2350
EIDC	**III**	**20 00 41 09.7**	**33.1S**	**179.3E**	**0**	3.5b		**41-147**
								¶97iii3798
EIDC	**III**	**26 18 12 21.8**	**32.1S**	**173.0W**	**0**	**5.0b**		**5-151**
								¶97iii5050
NEIC	**III**	**27 19 05 28.6**	**32.15S**	**177.37W**	**33**	4.3b		**3-151**
EIDC	III	27 19 05 23.9	32.2S	177.3W	0	4.0b		¶97iii5290
NEIC	Poor solution.							
EIDC	**III**	**30 04 03 22.8**	**33.7S**	**178.7W**	**0**	**4.3b**		**34-152**
								¶97iii5690
ISC	**III**	**30 10 25 13**±4.1	**32.2S**±.17	**178.4W**±.59	**463**±14	**4.1b**	**59**	**3-167**
EIDC	III	30 10 25 50.7	31.8S	178.1E	669	3.3b		¶97iii5738
EIDC	**III**	**30 18 38 52.7**	**33.3S**	**173.3W**	**0**	**4.4b**		**8-169**
								¶97iii5784
ISC	**III**	**30 18 51 55**±4.8	**33.13S**±.081	**177.1W**±.29	**8**±28	**4.9b**,5.4s	**53**	**4-166**
EIDC	III	30 18 52 02.9	33.0S	178.2W	0	4.7b		¶97iii5786
NEIC	III	30 18 52 09.3	32.96S	178.80W	33	4.9b		
NEIC	Poor solution.							
EIDC	**III**	**30 19 20 14.9**	**32.8S**	**178.4W**	**0**	4.0b		**7-148**
								¶97iii5789
ISC	**III**	**30 20 23 23**±1.4	**33.1S**±.18	**179.1W**±.23	**33**	**4.0b**	**14**	**6-162**
EIDC	III	30 20 23 23.3	32.3S	178.7W	39	3.8b		¶97iii5799
NEIC	III	30 20 23 23.6	33.41S	179.20W	33	4.3b		
NEIC	Poor solution.							
EIDC	**III**	**30 21 20 13.4**	**34.5S**	**179.4W**	**0**	3.5b		**4-149**
								¶97iii5808
EIDC	**III**	**31 10 14 02.0**	**33.7S**	**179.8W**	**0**	**4.1b**		**32-147**
								¶97iii5874
ISC	**III**	**31 16 32 57**±4.4	**33.2S**±.23	**177.3W**±.59	**33**	**4.0b**	**9**	**7-149**
EIDC	III	31 16 33 01.0	32.6S	178.4W	0	4.0b		¶97iii5904
NEIC	III	31 16 33 06.8	31.83S	178.70W	33	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**01 14 34 13**±1.6	**33.49S**±.084	**178.9W**±.11	**74**±15	**4.6b**	**101**	**4-173**
EIDC	IV	01 14 34 08.9	34.4S	178.6W	45	4.4b,4.5s		¶97iv0085
NEIC	IV	01 14 34 09.3	33.13S	178.94W	33	5.0b		
BJI	IV	01 14 34 10.1	33.09S	178.89W	39	5.0b		
MOS	IV	01 14 34 10.7	33.0S	179.0W	33	5.4b		
HRVD	IV	01 14 34 15.9±1.4	32.58S±.09	178.86W±.12	35±4.9			
NEIC	Mw5.3(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}5.73±.82; $M_{\theta\theta}$0.94±1.25; $M_{\phi\phi}$−6.68±.63; $M_{r\theta}$−0.83±1.98; $M_{r\phi}$5.60±1.78; $M_{\theta\phi}$−2.80±.80. Principal Axes: T 8.33,Plg63°,Azm237°; N 1.03,Plg18°,Azm7°; P −9.36,Plg19°,Azm103°. Best double couple: $M_0$8.9×10^{16}Nm, NP1: ϕ_S220°,δ30°,λ128°. NP2:ϕ_S359°,δ67°,λ71°.							
EIDC	**IV**	**01 22 58 01.8**	**34.0S**	**179.5W**	**0**	**4.3b**		**4-148**
								¶97iv0154
EIDC	**IV**	**02 00 34 36.1**	**32.0S**	**179.5W**	**0**	**4.3b**		**6-154**
								¶97iv0165
ISC	**IV**	**13 19 13 10.2**±.88	**33.40S**±.053	**179.43W**±.052	**37**±8.3	**5.2b,5.0s**	**303**	**4-175**
MOS	IV	13 19 13 09.2	33.4S	179.3W	33	5.6b,5.1s		¶97iv2286
NEIC	IV	13 19 13 11.5	33.44S	179.46W	53	5.3b		
BJI	IV	13 19 13 12.2	32.97S	179.14W	61	5.2b		
HRVD	IV	13 19 13 15.6±.3	33.24S±.03	179.15W±.03	45±2.2			
EIDC	IV	13 19 13 24.7	33.3S	179.5W	150	4.8b		
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c49; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.03; $M_{\theta\theta}$0.34±.05; $M_{\phi\phi}$−1.40±.05; $M_{r\theta}$0.11±.04; $M_{r\phi}$0.77±.05; $M_{\theta\phi}$−0.28±.03. Principal Axes: T 1.28,Plg74°,Azm277°; N 0.39, Plg0°,Azm9°; P −1.66,Plg16°,Azm99°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S190°, δ29°,λ91°. NP2:ϕ_S8°,δ61°,λ89°.							
ISC	**IV**	**18 04 09 17**±2.4	**33.22S**±.061	**179.3W**±.11	**26**±17	**4.7b,**3.6s	**56**	**4-173**
NEIC	IV	18 04 09 18.1	33.29S	179.50W	33	4.9b		¶97iv3018
MOS	IV	18 04 09 19.9	33.4S	179.7W	33	4.9b		
EIDC	IV	18 04 09 21.2	33.0S	179.3W	62	4.3b,3.8s		
NEIC	Less reliable solution.							
ISC	**IV**	**19 15 10 23**±1.9	**32.5S**±.13	**180.0E**±.18	**280**±15	**4.2b**	**42**	**5-154**
NEIC	IV	19 15 10 26.2	32.50S	179.84E	300	4.3b		¶97iv3212
EIDC	IV	19 15 10 26.3	32.5S	180.0W	299	3.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 17 12 39**±9.6	**33.7S**±.64	**179.3E**±.79	**144**±47	**4.1b**	**22**	**4-153**
EIDC	IV	24 17 12 17.2	33.3S	179.6W	0	4.2b		¶97iv4183
NEIC	IV	24 17 12 37.4	33.35S	179.70E	150	4.4b		
NEIC	Poor solution.							
ISC	**IV**	**25 12 22 24**±2.4	**32.1S**±.18	**179.8W**±.33	**469**±17	**3.5b**	**46**	**3-166**
NEIC	IV	25 12 22 20.7	31.43S	179.81E	400	3.8b		¶97iv4343
EIDC	IV	25 12 22 21.2	31.6S	179.8E	398	3.0b		
NEIC	Poor solution.							
WEL	**IV**	**25 17 36 16.9**	**34.65S**	**178.31E**	**33**	**4.6L**		¶97iv4386
ISC	**IV**	**26 14 22 03**±3.5	**32.6S**±.11	**177.8W**±.47	**33**	**4.5b**	**26**	**3-153**
EIDC	IV	26 14 22 04.8	32.7S	178.7W	0	4.5b		¶97iv4562
NEIC	IV	26 14 22 10.4	31.95S	178.93W	33	4.4b		
NEIC	Poor solution.							
ISC	**IV**	**27 04 06 36.4**±.92	**34.97S**±.072	**179.8W**±.13	**33**	**4.7b,**3.4s	**50**	**3-163**
EIDC	IV	27 04 06 32.9	34.8S	179.8W	0	4.7b,3.7s		¶97iv4658
NEIC	IV	27 04 06 36.9	35.18S	179.95E	33	4.9b		
NEIC	Less reliable solution.							
WEL	**IV**	**28 10 11 39.9**	**34.92S**	**178.36E**	**12**	**4.0L**		¶97iv4893
ISC	**IV**	**30 07 39 11**±10	**34.5S**±.79	**179.9W**±.72	**350**		**17**	**4-11**
								¶97iv5177
ISC	**IV**	**30 20 53 47**±3.7	**33.2S**±.14	**178.8W**±.47	**33**	**3.6b**	**10**	**5-148**
EIDC	IV	30 20 53 44.2	33.1S	178.8W	0	3.7b		¶97iv5263

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**V 03 17 04 38.7**	**32.4S**	**178.9W**	**0**	3.6b		**43-151**
							¶97v0470
ISC	**V 03 19 45 46**±2.7	**32.0S**±.14	**179.3E**±.46	**33**	**3.8b**		**16 6-150**
EIDC	V 03 19 45 35.4	33.3S	179.7W	0	3.9b		**¶97v0490**
NEIC	V 03 19 45 39.9	33.58S	179.93W	33	4.1b		
NEIC	Poor solution.						
EIDC	**V 04 04 11 38.3**	**32.9S**	**178.4W**	**0**	4.1b		**43-151**
							¶97v0562
ISC	**V 04 09 37 46**±1.0	**32.09S**±.064	**179.23W**±.088	**69**±10	**5.0b**		**148 3-172**
EIDC	V 04 09 37 54.9	31.6S	179.2W	133	4.5b		**¶97v0614**
BJI	V 04 09 37 55.5	31.48S	179.85W	136	5.1b		
NEIC	V 04 09 37 55.9	31.82S	179.49W	150	5.0b		
MOS	V 04 09 37 56.3	31.8S	179.5W	150	4.6b		
ISC	**V 05 06 44 28**±3.7	**32.8S**±.13	**177.9W**±.48	**33**	**4.0b**		**13 6-151**
EIDC	V 05 06 44 30.9	33.0S	178.8W	0	3.9b		**¶97v0752**
NEIC	V 05 06 44 38.6	33.71S	179.56W	33	4.3b		
NEIC	Poor solution.						
EIDC	**V 05 19 33 56.6**	**32.3S**	**178.0W**	**0**	3.7b		**7-149**
							¶97v0840
ISC	**V 06 07 43 54**±2.2	**33.7S**±.14	**179.7W**±.27	**313**±13	**3.9b**		**52 4-152**
NEIC	V 06 07 43 35.2	32.46S	179.83W	100	4.4b		**¶97v0928**
EIDC	V 06 07 43 35.6	32.3S	179.8W	95	4.0b		
NEIC	Less reliable solution.						
EIDC	**V 07 12 13 28.5**	**33.4S**	**178.6W**	**0**	**4.0b**		**34-148**
							¶97v1099
ISC	**V 07 18 57 35**±2.1	**33.1S**±.11	**178.8W**±.28	**33**	**3.9b**		**23 5-153**
NEIC	V 07 18 57 37.0	33.12S	179.23W	33	4.1b		**¶97v1137**
EIDC	V 07 18 57 54.8	33.2S	179.5W	179	3.4b		
NEIC	Poor solution.						
NEIC	**V 13 10 33 05.9**	**32.20S**	**177.45W**	**33**	4.4b		**35-149**
EIDC	V 13 10 33 03.2	31.5S	177.5W	0	4.1b		**¶97v2229**
NEIC	Poor solution.						
EIDC	**V 13 19 02 31.4**	**33.5S**	**179.0W**	**0**	3.8b		**42-152**
							¶97v2300
EIDC	**V 15 02 18 12.2**	**32.6S**	**177.6W**	**0**	3.6b		**6-149**
							¶97v2545
ISC	**V 15 03 58 30**±1.0	**33.31S**±.099	**178.8W**±.15	**162**±11	**4.3b**		**36 4-153**
NEIC	V 15 03 58 18.4	32.56S	178.73W	50	4.6b		**¶97v2558**
EIDC	V 15 03 58 21.6	32.7S	178.7W	70	4.1b,4.1L		
NEIC	Less reliable solution.						
EIDC	**V 17 09 55 56.1**	**32.3S**	**178.8W**	**0**	3.6b		**6-149**
							¶97v2910
ISC	**V 22 02 03 21.7**±.81	**32.44S**±.081	**179.8E**±.13	**349**±8.6	**3.9b**		**43 4-154**
NEIC	V 22 02 03 16.1	32.20S	179.99W	300	4.3b		**¶97v3676**
EIDC	V 22 02 03 25.1	32.3S	179.8E	379	3.7b		
NEIC	Less reliable solution.						
ISC	**V 25 02 08 44**±4.0	**32.94S**±.073	**179.0W**±.14	**3**±26	**4.9b**		**80 4-157**
EIDC	V 25 02 08 42.5	33.1S	178.7W	0	4.8b,4.3L		**¶97v4201**
NEIC	V 25 02 08 47.6	32.79S	178.92W	33	5.0b		
MOS	V 25 02 08 48.8	32.8S	179.1W	33	5.0b		
NEIC	Less reliable solution.						
EIDC	**V 25 05 33 34.2**	**34.1S**	**179.2W**	**0**	3.4b		**42-148**
							¶97v4223
ISC	**V 25 18 36 12.8**±.96	**32.12S**±.067	**179.1W**±.11	**96**±10	**4.2b**		**73 3-161**
EIDC	V 25 18 36 02.4	31.7S	179.0W	0	4.3b,4.8L		**¶97v4308**
NEIC	V 25 18 36 06.2	31.54S	179.09W	33	4.5b		
MOS	V 25 18 36 07.0	31.5S	179.1W	33	5.1s		
NEIC	Less reliable solution.						
ISC	**V 25 18 47 29**±1.1	**32.1S**±.10	**178.8W**±.23	**106**±15	**4.1b**		**43 3-151**
EIDC	V 25 18 47 19.8	31.4S	179.0W	0	4.2b,4.1L		**¶97v4310**
NEIC	V 25 18 47 22.5	31.41S	178.96W	33	4.4b		
NEIC	Less reliable solution.						
ISC	**V 25 23 22 32.8**±.45	**32.11S**±.036	**179.82E**±.036	**323**±5.0	**6.0b**		**728 3-177**
EIDC	V 25 23 22 29.4	32.1S	179.8E	283	5.4b		**¶97v4334**
BJI	V 25 23 22 30.1	32.10S	179.80E	330	5.7b		
WEL	V 25 23 22 30.6	32.31S	178.79W	339	7.9L		
NEIC	V 25 23 22 33.1	32.12S	179.79E	333	6.2b		
MOS	V 25 23 22 33.5	32.0S	179.9E	332	6.2b		
HRVD	V 25 23 22 43.9	32.02S	179.95W±.01	345±.3			
WEL	Felt Auckland to Dunedin, maximum intensity I=IV MM Phases are SCP and SCS						
NEIC	Me7.2(GS), Mw7.1(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 1.4±0.4×10^{15}Nm/13						
NEIC	Mw 7.1 (HRV). Mb 6.7 (BRK). Felt strongly on Raoul. Felt throughout the North Island and as far south as Christchurch on the South Island. Mo=1.1×10^{20}Nm (PPT).						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S320°,δ75°,λ60°. NP2:ϕ_S206°,δ33°,λ152°. Principal axes: T Plg51°,Azm196°; P Plg24°,Azm73°. Complex earthquake, with two events about 4.5 and 8.5 seconds after the onset. Depth from broadband displacement seismograms based on first event.						
NEIC	Moment tensor solution: s33, scale 10^{19}Nm; M_{rr}3.60; $M_{\theta\theta}$1.64; $M_{\phi\phi}$−5.24; $M_{r\theta}$−2.81; $M_{r\phi}$2.06; $M_{\theta\phi}$0.30. Depth 331km; Principal axes: T 5.80,Plg56°,Azm194°; N 0.01,Plg30°, Azm343°; P −5.82,Plg14°,Azm82°. Best double couple: $M_0$5.8×10^{19}Nm; NP1:ϕ_S207°,δ41°, λ141°. NP2:ϕ_S328°,δ66°,λ56°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s63,c163; Mantle waves: s63,c165; Half duration: 8s5. Moment tensor: Scale 10^{19}Nm; M_{rr}1.86±.01; $M_{\theta\theta}$1.41±.02; $M_{\phi\phi}$−3.27±.02; $M_{r\theta}$−2.47±.01; $M_{r\phi}$2.86±.01; $M_{\theta\phi}$−2.17±.02. Principal Axes: T 5.56,Plg44°,Azm212°; N −0.83,Plg40°,Azm355°; P −4.73,Plg19°,Azm102°. Best double couple: $M_0$5.2×10^{19}Nm, NP1:ϕ_S236°,δ44°,λ158°. NP2:ϕ_S342°,δ75°,λ49°.						
ISC	**V 26 10 39 53**±6.9	**34.8S**±.18	**178.8W**±.96	**33**	3.7b		**10 4-44**
							¶97v4398
EIDC	**V 26 15 24 55.6**	**33.0S**	**178.2W**	**0**	3.5b		**43-148**
							¶97v4430
EIDC	**V 26 15 42 53.5**	**32.6S**	**178.5W**	**0**	3.5b		**43-149**
							¶97v4433
EIDC	**V 26 20 05 35.6**	**33.4S**	**178.8W**	**0**	**3.9b**		**5-148**
							¶97v4462
EIDC	**V 28 06 48 00.4**	**32.1S**	**178.8W**	**0**	**3.7b**		**42-149**
							¶97v4671
ISC	**VI 06 06 53 42**±3.5	**32.3S**±.18	**179.3E**±.54	**391**	**3.8b**		**21 5-150**
EIDC	VI 06 06 53 40.3	32.3S	179.8E	391	3.5b		**¶97vi0898**
ISC	**VI 15 01 32 39**±1.1	**32.90S**±.091	**178.5W**±.18	**33**	**4.6b,3.5s**		**48 4-162**
MOS	VI 15 01 32 42.2	33.0S	178.9W	33	5.0b		**¶97vi2204**
NEIC	VI 15 01 32 48.3	32.94S	178.79W	100	4.8b		
EIDC	VI 15 01 32 50.5	32.9S	178.7W	112	4.2b,3.9s		
NEIC	Less reliable solution.						
EIDC	**VI 15 07 38 38.7**	**32.6S**	**178.4W**	**0**	**3.9b,**3.3s		**34-151**
							¶97vi2259
ISC	**VI 16 15 40 23.2**±.48	**32.89S**±.071	**178.58W**±.093	**33**	**4.6b,4.5s**		**82 4-172**
EIDC	VI 16 15 40 19.2	33.0S	178.6W	0	4.5b,4.3s		**¶97vi2486**
BJI	VI 16 15 40 21.4	32.91S	178.49W	29	5.1b		
NEIC	VI 16 15 40 22.7	32.91S	178.54W	33	4.8b,5.1s		
MOS	VI 16 15 40 23.8	33.0S	178.3W	33	5.3b,4.7s		
HRVD	VI 16 15 40 25.8±1.1	32.96S±.11	177.88W±.11	15			
NEIC	Mw5.1(HRV), Less reliable solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c23; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.61±.56; $M_{\theta\theta}$1.16±.91; $M_{\phi\phi}$−3.77±.49; $M_{r\theta}$0.56±.74; $M_{r\phi}$2.88±.85; $M_{\theta\phi}$−1.75±.47. Principal Axes: T 3.72,Plg68°,Azm262°; N 1.67, Plg8°,Azm14°; P −5.39,Plg20°,Azm107°. Best double couple: $M_0$4.6×10^{16}Nm, NP1:ϕ_S211°, δ26°,λ109°. NP2:ϕ_S10°,δ66°,λ81°.						
ISC	**VI 16 15 44 07**±2.1	**33.4S**±.14	**178.1W**±.15	**60**±24	**4.3b**		**16 6-149**
EIDC	VI 16 15 43 59.7	33.2S	178.0W	0	4.4b		**¶97vi2490**
NEIC	VI 16 15 44 04.4	33.59S	178.32W	33			
NEIC	Poor solution.						
ISC	**VI 16 16 50 55**±3.4	**33.3S**±.12	**178.6W**±.31	**71**±20	**4.5b**		**47 4-162**
EIDC	VI 16 16 50 47.8	32.8S	178.5W	0	4.5b,3.7s		**¶97vi2494**
NEIC	VI 16 16 50 50.1	33.18S	178.40W	33	4.7b		
MOS	VI 16 16 50 53.2	32.4S	178.9W	33	5.0b		
NEIC	Poor solution.						
ISC	**VI 17 04 59 28.4**±.48	**33.12S**±.069	**178.54W**±.089	**36**±2.3*	**4.7b,4.5s**		**85 4-168**
BJI	VI 17 04 59 19.6	34.03S	177.54W	33	5.2b		**¶97vi2554**
NEIC	VI 17 04 59 27.8	33.12S	178.48W	33	4.9b		
MOS	VI 17 04 59 28.7	33.0S	178.7W	33	5.1b		
EIDC	VI 17 04 59 30.2	33.0S	178.5W	41	4.4b,4.5s		
HRVD	VI 17 04 59 30.7±.8	32.89S±.10	177.74W±.12	15			
NEIC	Mw5.1(HRV), Less reliable solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c29; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.74±.33; $M_{\theta\theta}$−0.46±.53; $M_{\phi\phi}$−3.28±.37; $M_{r\theta}$−0.34±1.37; $M_{r\phi}$1.88±1.65; $M_{\theta\phi}$−1.71±.34. Principal Axes: T 4.33,Plg72°,Azm239°; N 0.06,Plg14°,Azm19°; P −4.39,Plg11°,Azm112°. Best double couple: $M_0$4.4×10^{16}Nm, NP1: ϕ_S220°,δ36°,λ115°. NP2:ϕ_S10°,δ58°,λ73°.						
ISC	**VI 17 07 10 53**±6.3	**32.3S**±.24	**179.8W**±.35	**254**±56	**3.9b**		**19 16-151**
EIDC	VI 17 07 10 17.7	32.9S	178.3W	0	4.2b		**¶97vi2568**
NEIC	VI 17 07 10 22.1	33.26S	178.48W	33	4.3b		
NEIC	Poor solution.						
EIDC	**VI 17 16 10 31.4**	**33.0S**	**178.6W**	**0**	**4.1b**		**34-151**
							¶97vi2658
ISC	**VI 17 16 24 04**±3.8	**33.4S**±.21	**178.7W**±.25	**92**±35	**4.5b**		**13 5-149**
EIDC	VI 17 16 23 53.6	33.0S	178.3W	0	4.6b		**¶97vi2661**
NEIC	VI 17 16 23 57.3	33.58S	178.52W	33			
NEIC	Poor solution.						
NEIC	**VI 18 12 47 42.3**	**32.46S**	**178.86W**	**33**	4.4b		**33-151**
EIDC	VI 18 12 47 36.3	32.8S	178.5W	0	4.2b		**¶97vi2783**
NEIC	Poor solution.						
EIDC	**VI 18 12 59 48.9**	**32.9S**	**178.5W**	**0**	4.0b,2.8s		**39-151**
							¶97vi2786
ISC	**VI 18 19 29 54**±4.9	**33.1S**±.42	**178.6W**±.77	**33**	**4.3b**		**14 17-152**
EIDC	VI 18 19 29 48.9	33.0S	178.3W	0	4.4b		**¶97vi2823**
NEIC	VI 18 19 29 54.9	33.17S	178.75W	33	4.3b		
NEIC	Poor solution.						
ISC	**VI 18 19 31 54**±2.7	**32.95S**±.065	**178.29W**±.093	**31**±18	**4.7b,5.1s**		**86 4-162**
EIDC	VI 18 19 31 50.6	33.0S	178.3W	0	4.6b,4.6s		**¶97vi2825**
NEIC	VI 18 19 31 54.6	32.85S	178.34W	33	5.0b,5.3s		
BJI	VI 18 19 31 56.2	32.95S	178.66W	39	4.9b		
MOS	VI 18 19 31 58.2	32.9S	178.9W	33	5.3b		
HRVD	VI 18 19 31 58.7±.3	32.85S±.04	177.70W±.04	15			
NEIC	Mw5.3(HRV), Less reliable solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c66; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}5.60±.27; $M_{\theta\theta}$2.36±.38; $M_{\phi\phi}$−7.96±.32; $M_{r\theta}$2.61±.51; $M_{r\phi}$6.05±.52; $M_{\theta\phi}$−2.57±.33. Principal Axes: T 8.3,Plg66°,Azm312°; N 2.8, Plg10°,Azm199°; P −11.1,Plg21°,Azm105°. Best double couple: $M_0$9.7×10^{16}Nm, NP1: ϕ_S177°,δ25°,λ66°. NP2:ϕ_S23°,δ67°,λ101°.						
ISC	**VI 19 03 02 43**±2.5	**33.1S**±.13	**178.6W**±.14	**48**±22	**4.4b,**5.0s		**53 5-162**
EIDC	VI 19 03 02 37.4	32.8S	178.5W	0	4.5b,4.3L		**¶97vi2863**
NEIC	VI 19 03 02 41.9	33.00S	178.66W	33	4.7b,5.0s		
MOS	VI 19 03 02 43.7	33.0S	178.9W	33	5.0b		
BJI	VI 19 03 02 43.9	32.89S	178.74W	45			
HRVD	VI 19 03 02 46.6±.6	32.94S±.07	178.02W±.07	15			
NEIC	Mw5.1(HRV), Less reliable solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c35; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.88±.29; $M_{\theta\theta}$0.82±.47; $M_{\phi\phi}$−4.70±.35; $M_{r\theta}$0.71±.58; $M_{r\phi}$3.39±.66; $M_{\theta\phi}$−1.70±.33. Principal Axes: T 5.06,Plg71°,Azm275°; N 1.29, Plg3°,Azm14°; P −6.35,Plg19°,Azm105°. Best double couple: $M_0$5.7×10^{16}Nm, NP1:ϕ_S200°, δ27°,λ97°. NP2:ϕ_S13°,δ64°,λ87°.						
ISC	**VI 19 16 46 23.4**±.81	**32.52S**±.084	**179.5E**±.12	**397**±9.7	**4.1b**		**45 4-160**
EIDC	VI 19 16 46 27.9	32.4S	179.5E	438	3.8b		**¶97vi2940**
NEIC	VI 19 16 46 28.3	32.42S	179.30E	450	4.2b		
NEIC	Less reliable solution.						
EIDC	**VI 19 18 12 12.8**	**32.1S**	**179.0W**	**0**	3.6b		**6-149**
							¶97vi2949
EIDC	**VI 20 13 49 55.4**	**32.6S**	**178.4W**	**0**	3.6b		**43-149**
							¶97vi3070
ISC	**VI 20 22 09 02**±5.5	**32.7S**±.59	**178.7W**±.81	**33**	**4.2b,**2.7s		**19 30-161**
EIDC	VI 20 22 08 57.3	32.5S	178.4W	0	4.1b,3.6s		**¶97vi3116**
EIDC	**VI 20 22 35 49.6**	**32.7S**	**178.5W**	**0**	3.9b		**43-151**
							¶97vi3118
ISC	**VI 21 19 34 49**±1.7	**32.86S**±.077	**179.20W**±.098	**40**±14	**4.7b**		**64 4-160**
NEIC	VI 21 19 34 48.7	32.88S	179.20W	33	5.0b		**¶97vi3271**
MOS	VI 21 19 34 49.3	32.9S	179.2W	33	5.3b		
EIDC	VI 21 19 34 56.9	32.7S	179.2W	94	4.3b		
NEIC	Less reliable solution.						
EIDC	**VI 21 20 24 46.5**	**33.2S**	**178.7W**	**49**	3.6b		**42-149**
							¶97vi3275
NEIC	**VI 24 20 30 54.8**	**32.28S**	**178.67W**	**33**	4.1b		**34-151**
EIDC	VI 24 20 30 52.9	32.5S	178.3W	26	3.9b		**¶97vi3782**
NEIC	Poor solution.						
ISC	**VI 30 00 10 41**±1.5	**32.4S**±.11	**178.9W**±.29	**33**	**4.3b**		**9 3-151**
							¶97vi4686
ISC	**VI 30 12 26 34.7**±.29	**32.66S**±.062	**178.04W**±.066	**60**±4.8*	**4.8b**		**171 3-172**
NEIC	VI 30 12 26 32.6	32.33S	178.00W	33	4.9b,5.2s		**¶97vi4760**
MOS	VI 30 12 26 33.6	32.4S	178.1W	33	5.3b,5.1s		
BJI	VI 30 12 26 33.6	32.26S	177.93W	45	5.0b		
HRVD	VI 30 12 26 35.4±.4	32.05S±.07	177.40W±.05	39±4.7			
EIDC	VI 30 12 26 36.5	32.5S	178.0W	57	4.3b,5.0s		
NEIC	Mw5.2(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c36; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.00±.53; $M_{\theta\theta}$2.01±.74; $M_{\phi\phi}$−6.01±.42; $M_{r\theta}$1.50±.63; $M_{r\phi}$3.46±.68; $M_{\theta\phi}$−2.55±.58. Principal Axes: T 5.25,Plg70°,Azm317°; N 2.68, Plg10°,Azm200°; P −7.93,Plg17°,Azm107°. Best double couple: $M_0$6.6×10^{16}Nm, NP1: ϕ_S182°,δ29°,λ70°. NP2:ϕ_S25°,δ63°,λ101°.						

EIDC	VI	30 15 03 16.3	32.3S	178.1W	0	3.7b	43-149	
								¶97vi4778

SEISMIC REGION 13.
FIJI AREA.

(180) North of Fiji.

EIDC	IV	07 03 06 56.1	11.3S	179.7W	0	3.6b	45-89	
								¶97iv1092
EIDC	IV	24 02 51 50.7	11.5S	177.8W	0	3.6b	47-82	
								¶97iv4070

(181) Fiji region.

EIDC	I	01 05 58 40.0	18.3S	179.4W	0	4.0b	38-44	
								¶97i0034
EIDC	I	02 00 54 29.9	17.8S	177.4W	0	3.7b	46-86	
								¶97i0146
EIDC	I	02 12 12 52.7	19.2S	178.1W	0	3.7b	45-86	
								¶97i0205
EIDC	I	02 12 24 47.7	20.2S	178.2W	0	3.8b	38-87	
								¶97i0209
EIDC	I	03 07 41 57.8	14.7S	176.7W	0	3.8b	47-82	
								¶97i0342
ISC	I	03 09 59 49±1.4	17.1S±.56	178.9W±.37	500	3.5b	9 39-147	
EIDC	I	03 09 59 48.8	17.2S	178.9W	487	3.1b		¶97i0355
NEIC	I	03 09 59 49.0	17.17S	178.93W	500	4.2b		
NEIC	Poor solution.							
EIDC	I	03 14 16 33.8	18.5S	176.3E	0	3.8b	34-59	
								¶97i0390
ISC	I	04 12 46 31±1.1	17.4S±.42	179.7W±.26	500	3.8b	12 38-94	
EIDC	I	04 12 46 19.8	16.8S	179.8W	352	3.3b		¶97i0538
NEIC	I	04 12 46 31.1	17.47S	179.71W	500	4.5b		
NEIC	Poor solution.							
ISC	I	04 16 51 09±1.1	18.22S±.061	178.11W±.043	603±16	5.0b	283 15-159	
MOS	I	04 16 51 07.1	17.9S	178.2W	563	5.3b		¶97i0559
BJI	I	04 16 51 09.3	18.11S	177.86W	612	5.0b		
NEIC	I	04 16 51 09.3	18.13S	178.17W	600	5.3b		
EIDC	I	04 16 51 12.0	18.1S	178.2W	617	4.3b		
HRVD	I	04 16 51 16.1±.5	18.13S±.04	178.15W±.04	628±3.1			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c40; Half duration: 1^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.62±.04; $M_{\theta\theta}$−0.13±.06; $M_{\phi\phi}$0.75±.06; $M_{r\theta}$−0.86±.05; $M_{r\phi}$−1.07±.06; $M_{\theta\phi}$−0.11±.06. Principal Axes: T 1.41,Plg32°,Azm106°; N 0.24,Plg18°,Azm208°; P −1.65,Plg53°,Azm322°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_s151°,δ21°,λ−148°. NP2:ϕ_s31°,δ79°,λ−72°.

ISC	I	05 00 17 47±3.2	17.9S±.13	178.4W±.14	630±42	4.2b	54 25-159	
NEIC	I	05 00 17 48.5	17.83S	178.55W	650	4.6b		¶97i0599
EIDC	I	05 00 17 51.4	17.9S	178.6W	665	3.3b		
NEIC	Less reliable solution.							
ISC	I	05 14 23 58±2.0	17.9S±.10	178.71W±.099	594±27	4.5b	76 15-159	
NEIC	I	05 14 23 55.0	17.75S	178.74W	550	5.0b		¶97i0680
EIDC	I	05 14 23 55.5	17.6S	178.7W	542	3.8b		
NEIC	Less reliable solution.							
ISC	I	06 09 16 09±5.4	20.5S±.13	176.2W±.14	285±52	4.2b	54 16-160	
NEIC	I	06 09 15 53.8	20.46S	175.99W	150	4.5b		¶97i0767
EIDC	I	06 09 15 54.4	20.5S	175.9W	144	4.2b		
ISC	I	06 14 32 14.3±.86	17.7S±.36	178.6W±.21	550	4.2b	47 31-151	
EIDC	I	06 14 32 16.8	17.5S	178.7W	566	3.7b		¶97i0799
ISC	I	06 15 19 39±1.8	17.5S±.78	178.8W±.43	600	3.5b	8 44-147	
EIDC	I	06 15 19 37.8	17.5S	178.7W	576	3.0b		¶97i0802
EIDC	I	06 18 33 08.7	16.2S	176.6W	0	4.0b	41-47	
								¶97i0822
EIDC	I	06 22 51 36.2	16.6S	176.4W	0	4.0b	41-47	
								¶97i0847
EIDC	I	06 23 30 12.2	14.4S	177.2W	0	3.7b	47-82	
								¶97i0851
EIDC	I	07 03 12 03.9	20.8S	178.9W	589	2.9b	37-44	
								¶97i0874
EIDC	I	07 12 28 01.4	16.6S	177.8W	0	4.2b	40-46	
								¶97i0919
ISC	I	08 17 45 10±1.0	17.5S±.39	178.8W±.25	600	4.1b	16 31-94	
NEIC	I	08 17 45 09.5	17.58S	178.77W	600	4.4b		¶97i1092
EIDC	I	08 17 45 13.6	17.3S	179.0W	632	3.3b		
NEIC	Poor solution.							
ISC	I	08 18 12 20±1.0	17.2S±.29	178.5W±.24	400	3.7b	17 32-150	
EIDC	I	08 18 12 18.2	17.0S	178.5W	371	3.0b		¶97i1096
NEIC	I	08 18 12 19.5	17.40S	178.46W	400	4.0b		
NEIC	Poor solution.							
ISC	I	09 12 11 18±1.3	17.1S±.56	178.7W±.37	550	3.2b	10 39-150	
EIDC	I	09 12 11 20.3	17.3S	178.6W	566	2.9b		¶97i1212
EIDC	I	09 15 52 32.4	21.2S	179.5W	0	4.1b	36-154	
								¶97i1241
EIDC	I	10 00 26 48.4	18.2S	179.3W	0	3.7b	44-86	
								¶97i1287
ISC	I	10 09 56 46±1.2	17.3S±.45	178.3W±.27	500	3.7b	15 39-147	
NEIC	I	10 09 56 45.2	17.46S	178.20W	500	4.2b		¶97i1342
EIDC	I	10 09 56 45.6	17.4S	178.2W	494	3.3b		
NEIC	Poor solution.							
ISC	I	10 13 57 35±1.4	17.0S±.52	178.7W±.30	400	3.9b	11 32-94	
EIDC	I	10 13 56 52.3	16.7S	178.3W	0	4.2b		¶97i1372
NEIC	I	10 13 57 34.8	16.89S	178.78W	400	4.2b		
NEIC	Poor solution.							
ISC	I	10 15 26 35±1.7	19.9S±.66	178.0W±.33	500	3.9b	18 34-150	
NEIC	I	10 15 26 33.3	20.35S	177.80W	500	4.2b		¶97i1386
EIDC	I	10 15 26 39.2	19.7S	178.2W	540	3.3b		
NEIC	Poor solution.							
EIDC	I	10 15 32 07.7	17.5S	177.1W	0	3.5b	46-85	
								¶97i1388
EIDC	I	10 19 03 57.4	19.3S	176.1W	0	4.2b	17-149	
								¶97i1409
ISC	I	10 19 42 10±1.5	21.0S±.12	178.98W±.099	658±19	4.3b	133 12-157	
BJI	I	10 19 42 08.8	20.90S	178.90W	650	4.7b		¶97i1413
NEIC	I	10 19 42 08.8	20.98S	178.97W	650	4.5b		
EIDC	I	10 19 42 11.1	20.8S	179.0W	662	3.8b		
EIDC	I	11 05 15 05.4	18.7S	179.1W	700	2.7b	44-148	
								¶97i1470
EIDC	I	11 07 36 35.9	19.5S	176.7W	0	3.7b	39-46	
								¶97i1488
ISC	I	11 11 37 34±1.4	16.4S±.55	178.2W±.38	33	3.7b	7 40-93	
EIDC	I	11 11 37 30.0	16.6S	178.0W	0	3.7b		¶97i1515
ISC	I	11 12 24 01.7±.54	17.6S±.10	178.5W±.13	500	3.9b	33 21-151	
EIDC	I	11 12 24 02.0	17.5S	178.6W	487	3.6b		¶97i1518
NEIC	I	11 12 24 02.2	17.48S	178.66W	500	4.1b		
NEIC	Less reliable solution.							
EIDC	I	11 12 59 36.3	18.7S	177.8W	0	3.6b	39-45	
								¶97i1525
ISC	I	11 15 00 53±4.2	17.8S±.53	178.9W±.31	672±59	4.1b	12 14-88	
EIDC	I	11 14 59 49.3	16.5S	178.3W	0	4.1b		¶97i1537
NEIC	I	11 15 00 40.0	17.31S	178.69W	500	4.4b		
NEIC	Poor solution.							
ISC	I	11 19 32 20±1.4	20.3S±.49	177.9W±.32	500	3.5b	14 38-150	
NEIC	I	11 19 32 19.7	20.52S	177.73W	500			¶97i1567
EIDC	I	11 19 32 21.3	19.8S	178.0W	494	3.0b		
NEIC	Poor solution.							
ISC	I	12 03 28 49±2.5	16.9S±.19	176.7E±.10	37±25	4.5b,4.6s	45 2-151	
EIDC	I	12 03 28 47.6	16.0S	175.8E	0	4.5b,4.4s		¶97i1619
BJI	I	12 03 28 48.6	17.00S	176.60E	33	4.9b,5.1s		
NEIC	I	12 03 28 48.6	16.98S	176.60E	33	4.8b,4.7s		
NEIC	Less reliable solution.							
ISC	I	12 09 34 42.4±.82	16.9S±.19	177.2W±.18	33	4.0b	10 40-95	
EIDC	I	12 09 34 37.8	16.9S	177.0W	0	3.9b		¶97i1655
ISC	I	12 16 02 26±3.1	17.5S±.92	177.2W±.70	33	4.1b	6 40-93	
EIDC	I	12 16 02 23.7	17.3S	177.4W	0	4.0b		¶97i1707
EIDC	I	13 14 36 25.6	13.6S	178.5E	0	4.0b	38-82	
								¶97i1854
ISC	I	13 15 57 28±3.9	21.2S±.26	178.7W±.13	632±56	4.0b	35 16-151	
NEIC	I	13 15 57 26.1	20.89S	178.69W	600	4.1b		¶97i1864
EIDC	I	13 15 57 26.1	21.2S	178.5W	592	3.5b		
NEIC	Poor solution.							
EIDC	I	14 08 32 06.8	18.3S	177.5W	0	3.8b	45-90	
								¶97i1971
ISC	I	14 14 20 52±3.8	20.8S±.26	178.9W±.25	599±45	4.2b	25 14-150	
EIDC	I	14 14 20 49.6	20.6S	178.8W	550	3.7b		¶97i2005
NEIC	I	14 14 20 52.4	20.85S	178.90W	600	4.3b		
NEIC	Less reliable solution.							
ISC	I	15 06 54 05±3.4	17.8S±.77	177.3W±.67	33	4.2b	7 35-85	
EIDC	I	15 06 53 58.1	18.4S	176.6W	0	4.1b		¶97i2113
EIDC	I	15 07 56 16.7	14.4S	176.9W	0	3.7b	47-84	
								¶97i2119
EIDC	I	16 09 14 06.0	19.2S	177.5W	0	4.0b	45-87	
								¶97i2282
EIDC	I	16 12 48 03.4	19.3S	178.5W	0	3.9b	38-76	
								¶97i2312
EIDC	I	16 20 47 47.6	15.9S	177.6W	0	4.3b	35-84	
								¶97i2359
ISC	I	16 23 37 53±4.4	20.5S±.37	178.1W±.34	598±51	4.1b	21 15-150	
NEIC	I	16 23 37 44.6	20.25S	177.88W	500	4.1b		¶97i2377
EIDC	I	16 23 37 49.4	20.4S	177.9W	539	3.6b		
NEIC	Poor solution.							
ISC	I	17 01 02 15±2.7	17.5S±.10	178.81W±.091	544±35	4.4b	147 15-157	
EIDC	I	17 01 02 16.2	17.3S	179.0W	533	3.9b		¶97i2385
NEIC	I	17 01 02 16.5	17.37S	178.98W	550	4.6b		
BJI	I	17 01 02 22.5	17.40S	179.00E	550	4.7b		
NEIC	Less reliable solution.							
EIDC	I	17 02 07 11.9	17.3S	178.8W	0	3.5b	44-85	
								¶97i2389
EIDC	I	17 06 06 45.2	16.1S	177.7W	0	4.2b	40-46	
								¶97i2408
ISC	I	17 13 52 46±3.9	17.4S±.30	178.9W±.28	551±47	4.3b	22 15-147	
NEIC	I	17 13 52 41.8	17.28S	178.89W	500	4.6b		¶97i2463
EIDC	I	17 13 52 41.9	17.3S	178.8W	491	3.3b		
NEIC	Poor solution.							
ISC	I	17 21 57 29.3±.86	17.6S±.23	178.5W±.20	550	4.2b	22 30-159	
NEIC	I	17 21 57 29.1	17.70S	178.49W	550	4.5b		¶97i2541
EIDC	I	17 21 57 31.0	17.8S	178.5W	553	3.4b		
NEIC	Less reliable solution.							
EIDC	I	18 10 16 07.9	17.8S	177.2W	0	4.2b	35-61	
								¶97i2645
ISC	I	19 08 25 14±2.8	20.4S±.14	178.3W±.11	595±40	4.2b	48 14-152	
NEIC	I	19 08 25 14.3	20.44S	178.32W	600	4.5b		¶97i2807
EIDC	I	19 08 25 15.9	20.7S	178.1W	615	3.6b		
NEIC	Less reliable solution.							
ISC	I	19 10 54 15.4±.94	17.42S±.063	178.90W±.077	537±12	4.3b	169 3-159	
MOS	I	19 10 54 03.2	17.2S	178.7W	400	4.9b		¶97i2825
BJI	I	19 10 54 12.3	17.30S	178.90W	500	4.6b		
NEIC	I	19 10 54 12.3	17.29S	178.90W	500	4.5b		
EIDC	I	19 10 54 13.5	17.3S	178.8W	508	3.9b		
EIDC	I	19 12 49 50.0	20.6S	178.0W	0	3.7b	38-88	
								¶97i2841
ISC	I	19 14 53 22±2.0	21.1S±.11	179.1W±.13	662±24	4.4b	117 13-157	
BJI	I	19 14 53 16.7	20.77S	178.73W	599	4.8b		¶97i2857
NEIC	I	19 14 53 17.1	21.07S	178.97W	600	4.7b		
EIDC	I	19 14 53 19.8	21.1S	178.9W	623	3.8b		
ISC	I	19 15 50 00±3.4	22.0S±.24	178.9W±.48	33	4.2b	10 17-90	
EIDC	I	19 15 49 54.0	22.1S	178.6W	0	4.1b		¶97i2863
ISC	I	19 21 08 24±5.5	21.7S±.61	179.5W±.88	500	4.1b	20 29-156	
EIDC	I	19 21 08 21.1	21.9S	179.2W	484	3.7b		¶97i2889
NEIC	I	19 21 08 22.5	21.72S	179.38W	500	4.0b		
NEIC	Poor solution.							
EIDC	I	20 06 38 46.9	20.3S	178.5W	0	3.9b	44-88	
								¶97i2951
ISC	I	20 23 58 01±1.4	17.7S±.49	177.9W±.31	33	4.0b	11 39-148	
EIDC	I	20 23 57 57.7	17.7S	177.9W	0	3.9b		¶97i3103
ISC	I	21 04 50 10±4.7	21.1S±.29	179.2W±.32	706±60	4.5b	40 28-157	
NEIC	I	21 04 50 01.2	21.13S	178.77W	600	4.8b		¶97i3138
EIDC	I	21 04 50 03.7	21.1S	178.8W	613	3.8b		
NEIC	Less reliable solution.							
ISC	I	21 13 19 28±1.4	16.5S±.56	178.0W±.35	33	4.0b	8 40-86	
EIDC	I	21 13 19 23.8	16.5S	178.0W	0	3.9b		¶97i3183
ISC	I	22 02 44 01±1.1	16.5S±.26	179.4W±.24	400	3.1b	6 38-87	
EIDC	I	22 02 43 17.6	16.2S	178.8W	0	3.6b		¶97i3272
NEIC	I	22 02 44 00.3	16.50S	179.41W	400			
NEIC	Poor solution.							
ISC	I	22 12 50 47±1.5	19.4S±.61	178.5W±.36	500	3.7b	8 38-88	
EIDC	I	22 12 49 56.0	18.8S	177.9W	0	4.0b		¶97i3333
NEIC	I	22 12 50 47.0	19.42S	178.48W	500	4.1b		
NEIC	Poor solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**22 14 49 17.5**±.95	**17.6S**±.28	**179.4W**±.21	**700**	**3.9b**	**26**	**31-151**
NEIC	I	22 14 49 02.1	17.42S	179.02W	500	4.3b		¶97i3342
EIDC	I	22 14 49 03.5	17.2S	179.1W	498	3.2b		
NEIC	Less reliable solution.							
EIDC	**I**	**22 21 27 43.2**	**17.3S**	**177.5W**	**0**	**3.7b**		**46-85**
								¶97i3384
ISC	**I**	**23 01 20 04**±3.7	**19.9S**±.84	**177.5W**±.70	**33**	**4.2b**	**5**	**34-88**
EIDC	I	23 01 19 59.5	20.1S	177.2W	0	4.2b		¶97i3417
EIDC	**I**	**23 06 00 31.3**	**19.7S**	**179.9W**	**0**	**3.8b**		**37-43**
								¶97i3445
ISC	**I**	**23 16 11 35.4**±.83	**20.4S**±.23	**178.2W**±.16	**500**	**3.8b**	**20**	**33-160**
EIDC	I	23 16 11 34.8	20.3S	178.2W	484	3.3b		¶97i3523
NEIC	I	23 16 11 35.1	20.42S	178.22W	500	4.2b		
NEIC	Less reliable solution.							
EIDC	**I**	**24 06 31 38.6**	**21.7S**	**178.9W**	**613**	**2.8b**		**43-151**
								¶97i3611
ISC	**I**	**24 11 40 14**±1.4	**20.9S**±.18	**179.1W**±.15	**634**±15	**4.2b**	**42**	**4-161**
NEIC	I	24 11 40 15.2	21.00S	179.16W	650	4.5b		¶97i3641
EIDC	I	24 11 40 17.7	20.9S	179.2W	663	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**24 15 41 58**±1.6	**21.0S**±.67	**178.3W**±.40	**500**	**3.4b**	**6**	**37-90**
EIDC	I	24 15 41 07.5	20.2S	177.8W	0	3.8b		¶97i3662
NEIC	I	24 15 41 58.2	21.00S	178.32W	500			
NEIC	Poor solution.							
ISC	**I**	**25 18 00 38**±3.4	**14.7S**±.74	**177.1W**±.68	**33**	**4.3b**	**8**	**35-83**
EIDC	I	25 18 00 34.1	14.8S	176.9W	0	4.3b		¶97i3839
EIDC	**I**	**26 00 06 37.8**	**16.5S**	**178.5W**	**0**	**3.9b**		**39-85**
								¶97i3859
ISC	**I**	**26 06 43 46**±1.3	**19.7S**±.37	**177.9W**±.25	**500**	**3.7b**	**16**	**38-149**
NEIC	I	26 06 43 45.3	19.70S	177.80W	500	4.0b		¶97i3901
EIDC	I	26 06 43 50.5	19.8S	177.9W	547	3.2b		
NEIC	Poor solution.							
ISC	**I**	**26 08 49 48.0**±.81	**17.5S**±.13	**178.8W**±.15	**400**	**4.3b**	**68**	**24-159**
EIDC	I	26 08 49 55.4	17.6S	178.8W	476	3.7b		¶97i3913
BJI	I	26 08 49 56.4	17.29S	178.55W	493	4.7b		
NEIC	I	26 08 50 00.8	17.81S	178.95W	550	4.7b		
NEIC	Less reliable solution.							
EIDC	**I**	**26 10 17 03.2**	**18.6S**	**178.9W**	**0**	**3.9b**		**38-44**
								¶97i3927
ISC	**I**	**26 20 24 10**±2.8	**17.9S**±.13	**178.5W**±.10	**587**±37	**4.5b**	**49**	**15-159**
NEIC	I	26 20 24 07.6	17.70S	178.57W	550	4.7b		¶97i3994
EIDC	I	26 20 24 10.8	17.5S	178.7W	571	3.7b		
NEIC	Less reliable solution.							
ISC	**I**	**27 00 03 21**±1.7	**19.7S**±.40	**177.2W**±.27	**33**	**4.1b**	**7**	**45-91**
EIDC	I	27 00 03 16.9	19.7S	177.1W	0	4.1b		¶97i4019
ISC	**I**	**27 01 17 18**±1.8	**19.6S**±.57	**179.7W**±.28	**350**	**3.3b**	**8**	**32-149**
EIDC	I	27 01 17 20.8	19.4S	179.7W	368	3.2b		¶97i4029
ISC	**I**	**27 21 16 52**±4.6	**20.6S**±.63	**177.5W**±.43	**646**±54	**3.9b**	**14**	**15-150**
NEIC	I	27 21 16 40.8	20.19S	177.34W	500	4.0b		¶97i4127
EIDC	I	27 21 16 41.1	20.2S	177.3W	493	3.6b		
NEIC	Poor solution.							
ISC	**I**	**28 21 16 36.0**±.91	**18.7S**±.30	**178.1W**±.24	**600**	**3.5b**	**9**	**45-148**
NEIC	I	28 21 16 35.9	18.62S	178.15W	600	3.2b		¶97i4261
EIDC	I	28 21 16 36.0	17.6S	178.5W	555	3.1b		
NEIC	Poor solution.							
ISC	**I**	**29 07 40 37**±1.3	**13.3S**±.30	**178.1E**±.27	**33**	**4.0b**	**11**	**38-154**
EIDC	I	29 07 40 33.2	13.4S	178.1E	0	4.0b		¶97i4318
NEIC	I	29 07 40 36.9	13.27S	178.17E	33	4.3b		
NEIC	Poor solution.							
ISC	**I**	**29 12 00 02**±2.4	**20.0S**±.83	**179.0W**±.58	**650**	**3.2b**	**5**	**37-89**
EIDC	I	29 12 00 01.7	20.2S	178.9W	636	2.7b		¶97i4346
ISC	**I**	**30 05 38 10.3**±.94	**18.4S**±.30	**178.4W**±.21	**700**	**4.2b**	**44**	**31-153**
EIDC	I	30 05 38 04.3	18.0S	178.3W	594	3.6b		¶97i4444
NEIC	I	30 05 38 06.8	18.38S	178.26W	650	4.3b		
NEIC	Less reliable solution.							
EIDC	**I**	**30 08 58 42.9**	**21.2S**	**176.2W**	**0**	**3.6b**		**46-89**
								¶97i4454
ISC	**I**	**30 13 54 32**±1.4	**15.2S**±.25	**178.6W**±.18	**398**±17	**4.0b**	**55**	**4-152**
EIDC	I	30 13 54 32.3	15.0S	178.7W	382	3.7b		¶97i4493
NEIC	I	30 13 54 32.7	15.27S	178.62W	400	4.1b		
NEIC	Less reliable solution.							
EIDC	**I**	**30 18 46 58.1**	**18.5S**	**178.7W**	**0**	**3.6b**		**38-44**
								¶97i4527
ISC	**I**	**31 02 26 36**±1.3	**18.3S**±.46	**177.2W**±.27	**450**	**4.2b**	**13**	**34-148**
EIDC	I	31 02 26 38.1	18.2S	177.3W	458	3.6b		¶97i4578
ISC	**I**	**31 05 02 57**±1.5	**14.7S**±.29	**176.4W**±.26	**200**	**4.1b**	**13**	**36-145**
EIDC	I	31 05 02 33.9	14.6S	176.0W	0	4.7b		¶97i4587
NEIC	I	31 05 02 56.7	14.70S	176.35W	200	4.2b		
NEIC	Poor solution.							
EIDC	**I**	**31 07 38 00.3**	**18.6S**	**176.8E**	**0**	**3.8b**		**34-147**
								¶97i4598
ISC	**II**	**01 10 26 51.2**±.77	**17.0S**±.23	**178.9W**±.18	**500**	**3.7b**	**15**	**39-150**
EIDC	II	01 10 26 50.5	17.4S	178.6W	492	3.2b		¶97ii0062
NEIC	II	01 10 26 51.1	17.01S	178.93W	500	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**01 13 58 54**±1.6	**17.4S**±.66	**178.1W**±.36	**463**±22	**3.7b**	**16**	**7-160**
EIDC	II	01 13 58 56.7	16.6S	178.5W	480	3.3b		¶97ii0080
NEIC	II	01 13 58 57.5	16.87S	178.44W	500	3.6b		
NEIC	Poor solution.							
ISC	**II**	**01 16 38 09**±2.3	**15.5S**±.53	**179.5W**±.40	**33**	**3.9b**	**4**	**45-86**
EIDC	II	01 16 38 04.1	15.6S	179.3W	0	3.9b		¶97ii0104
ISC	Poorly determined							
EIDC	**II**	**02 05 38 14.8**	**15.4S**	**176.2W**	**0**	3.8b		**47-83**
								¶97ii0178
ISC	**II**	**02 18 19 30**±1.4	**17.8S**±.49	**177.0W**±.30	**33**	**4.3b**	**17**	**6-148**
EIDC	II	02 18 19 26.0	17.8S	177.0W	0	4.1b		¶97ii0259
NEIC	II	02 18 19 30.0	17.82S	177.01W	33	4.6b		
NEIC	Poor solution.							
ISC	**II**	**03 07 25 05**±1.4	**21.67S**±.072	**177.8W**±.11	**354**±14	**3.9b**	**48**	**5-157**
EIDC	II	03 07 25 05.9	21.3S	178.0W	350	3.8b		¶97ii0335
NEIC	II	03 07 25 06.7	21.40S	177.99W	372	3.8b		
NEIC	Less reliable solution.							
EIDC	**II**	**03 07 33 19.8**	**15.7S**	**176.7W**	**0**	**3.8b**		**41-47**
								¶97ii0336
ISC	**II**	**03 18 22 06**±1.6	**16.6S**±.57	**178.3W**±.37	**33**	**4.0b**	**7**	**39-85**
EIDC	II	03 18 22 02.3	16.5S	178.3W	0	3.9b		¶97ii0408
ISC	**II**	**04 03 23 51**±1.3	**18.8S**±.38	**177.8W**±.26	**33**	**3.7b**	**7**	**39-88**
EIDC	II	04 03 23 47.0	18.9S	177.7W	0	3.8b		¶97ii0456
EIDC	**II**	**04 10 10 32.7**	**20.4S**	**177.6W**	**446**	**3.3b**		**45-150**
								¶97ii0502
EIDC	**II**	**05 10 21 47.2**	**18.1S**	**179.6W**	**0**	**3.8b**		**38-44**
								¶97ii0673
ISC	**II**	**05 20 12 46**±1.1	**17.7S**±.26	**178.3W**±.26	**600**	**3.3b**	**7**	**39-147**
NEIC	II	05 20 12 46.3	17.71S	178.28W	600			¶97ii0744
EIDC	II	05 20 12 48.5	17.6S	178.3W	607	2.8b		
NEIC	Poor solution.							
ISC	**II**	**07 08 12 56**±4.7	**18.3S**±.19	**177.9W**±.13	**583**±63	**4.2b**	**38**	**20-151**
NEIC	II	07 08 12 57.5	18.16S	178.01W	600	4.5b		¶97ii0965
EIDC	II	07 08 13 04.9	18.1S	178.3W	667	3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**07 09 03 09**±6.1	**17.9S**±.68	**176.9E**±.99	**33**	**4.2b**,5.6s	**7**	**35-150**
EIDC	II	07 09 02 54.2	17.2S	178.2E	0	4.0b		¶97ii0973
EIDC	**II**	**07 22 56 59.3**	**17.5S**	**177.3W**	**0**	**3.6b**		**46-85**
								¶97ii1053
ISC	**II**	**07 23 18 13**±1.5	**17.3S**±.57	**177.3W**±.39	**33**	**3.8b**	**8**	**40-147**
EIDC	II	07 23 18 09.5	17.5S	177.1W	0	3.7b		¶97ii1056
ISC	**II**	**07 23 22 05.4**±.63	**18.0S**±.17	**176.6W**±.13	**33**	**4.5b,5.2s**	**85**	**6-153**
EIDC	II	07 23 22 01.0	17.9S	176.5W	0	4.4b,3.4L		¶97ii1057
NEIC	II	07 23 22 05.2	18.10S	176.58W	33	4.7b		
BJI	II	07 23 22 10.8	17.54S	176.33W	45	4.7b		
MOS	II	07 23 22 12.1	17.0S	177.8W	33	4.9b		
NEIC	Less reliable solution.							
EIDC	**II**	**08 11 24 42.7**	**19.5S**	**176.6W**	**0**	**3.8b**		**39-46**
								¶97ii1131
ISC	**II**	**09 10 26 41**±1.4	**18.9S**±.15	**177.8W**±.11	**549**±18	**4.0b**	**75**	**8-154**
BJI	II	09 10 26 36.8	18.80S	177.70W	500	4.7b		¶97ii1297
NEIC	II	09 10 26 36.8	18.85S	177.73W	500	4.2b		
MOS	II	09 10 26 40.9	18.1S	178.3W	500	4.2b		
EIDC	II	09 10 26 43.2	18.9S	177.8W	568	3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**10 10 50 51**±1.1	**17.9S**±.21	**177.9W**±.23	**500**	**3.7b**	**9**	**39-148**
NEIC	II	10 10 50 50.5	17.96S	177.95W	500	3.7b		¶97ii1444
EIDC	II	10 10 50 53.5	18.0S	177.9W	520	3.2b		
NEIC	Poor solution.							
ISC	**II**	**10 18 43 44**±5.4	**18.7S**±.57	**178.2W**±.89	**600**	**4.1b**	**10**	**34-148**
EIDC	II	10 18 43 43.3	18.6S	177.9W	598	3.4b		¶97ii1499
ISC	**II**	**10 22 49 39**±1.4	**19.2S**±.48	**177.8W**±.29	**500**	**3.7b**	**30**	**34-153**
EIDC	II	10 22 49 38.7	19.4S	177.6W	491	3.3b		¶97ii1543
BJI	II	10 22 49 39.3	18.80S	177.90W	500			
NEIC	II	10 22 49 39.3	18.79S	177.99W	500	4.1b		
NEIC	Poor solution.							
ISC	**II**	**11 21 20 24**±1.1	**21.38S**±.083	**179.04W**±.085	**596**±16	**4.1b**	**49**	**10-164**
NEIC	II	11 21 20 24.1	21.24S	179.14W	600	4.3b		¶97ii1675
EIDC	II	11 21 20 25.3	21.2S	179.1W	601	3.6b		
MOS	II	11 21 20 28.3	19.0S	179.6E	542	4.3b		
NEIC	Less reliable solution.							
ISC	**II**	**12 08 36 09**±1.9	**18.2S**±.75	**177.6W**±.53	**33**	**3.6b**	**4**	**39-86**
EIDC	II	12 08 36 05.9	17.7S	177.8W	0	3.6b		¶97ii1741
ISC	Poorly determined							
ISC	**II**	**13 12 12 33.4**±.94	**18.11S**±.069	**178.30W**±.076	**585**±13	**4.7b**	**152**	**8-167**
MOS	II	13 12 12 33.1	17.9S	178.4W	572	5.0b		¶97ii1915
BJI	II	13 12 12 33.2	17.76S	178.05W	584	4.9b		
NEIC	II	13 12 12 33.5	18.05S	178.37W	584	4.7b		
EIDC	II	13 12 12 34.0	17.9S	178.4W	572	4.1b		
ISC	**II**	**13 12 18 48**±1.1	**18.1S**±.12	**178.4W**±.11	**598**±15	**4.5b**	**96**	**8-167**
MOS	II	13 12 18 47.9	17.9S	178.5W	588	4.9b		¶97ii1918
NEIC	II	13 12 18 48.1	18.07S	178.41W	600	4.7b		
BJI	II	13 12 18 48.7	17.40S	178.61W	569	4.7b		
EIDC	II	13 12 18 49.1	17.9S	178.4W	590	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**13 12 25 00**±1.0	**17.9S**±.29	**178.6W**±.24	**600**	**4.2b**	**19**	**31-148**
NEIC	II	13 12 25 00.7	17.94S	178.59W	600	4.5b		¶97ii1919
EIDC	II	13 12 25 01.1	17.8S	178.6W	589	3.5b		
NEIC	Poor solution.							
ISC	**II**	**14 04 16 22**±2.0	**16.5S**±.80	**178.4W**±.45	**33**	**3.7b**	**5**	**45-86**
EIDC	II	14 04 16 18.4	16.4S	178.4W	0	3.7b		¶97ii2024
ISC	**II**	**14 13 39 17.4**±.93	**22.0S**±.20	**179.5W**±.16	**600**	**3.9b**	**17**	**29-151**
NEIC	II	14 13 39 17.2	22.00S	179.51W	600	4.2b		¶97ii2059
EIDC	II	14 13 39 20.1	21.9S	179.6W	618	3.2b		
NEIC	Less reliable solution.							
ISC	**II**	**14 16 30 27**±1.6	**17.3S**±.53	**178.9W**±.42	**600**	**4.0b**	**11**	**15-150**
EIDC	II	14 16 30 25.4	17.4S	178.7W	565	3.3b		¶97ii2081
NEIC	II	14 16 30 26.5	17.44S	178.66W	600	4.2b		
NEIC	Poor solution.							
ISC	**II**	**14 20 09 03**±1.2	**14.6S**±.40	**178.1W**±.30	**400**	**3.7b**	**12**	**34-144**
EIDC	II	14 20 09 01.5	14.7S	177.9W	375	3.5b		¶97ii2105
NEIC	II	14 20 09 01.7	15.00S	177.77W	400	4.1b		
NEIC	Poor solution.							
ISC	**II**	**17 10 57 10**±1.6	**17.9S**±.69	**177.7W**±.48	**33**	**3.8b**	**5**	**39-87**
EIDC	II	17 10 57 06.4	17.8S	177.7W	0	3.7b		¶97ii2477
ISC	**II**	**18 05 13 44**±1.4	**21.7S**±.51	**176.1W**±.27	**250**	**3.5b**	**10**	**16-97**
EIDC	II	18 05 13 16.3	21.4S	175.9W	0	3.9b		¶97ii2603
NEIC	II	18 05 13 20.0	21.30S	176.00W	33	4.4b		
NEIC	Poor solution.							
ISC	**II**	**18 12 36 17**±1.0	**18.2S**±.30	**177.9W**±.22	**550**	**4.1b**	**20**	**34-148**
NEIC	II	18 12 36 17.0	18.09S	178.01W	550	4.5b		¶97ii2644
EIDC	II	18 12 36 20.8	18.0S	178.1W	579	3.5b		
NEIC	Poor solution.							
ISC	**II**	**19 13 42 24**±1.8	**17.83S**±.087	**178.80W**±.077	**586**±23	**4.4b**	**71**	**8-159**
EIDC	II	19 13 42 21.9	17.6S	178.7W	544	3.8b		¶97ii2799
NEIC	II	19 13 42 25.3	17.69S	178.92W	600	4.8b		
ISC	**II**	**20 03 17 59**±2.3	**18.3S**±.47	**179.4W**±.46	**600**	**4.4b**	**14**	**29-151**
EIDC	II	20 03 17 53.9	17.9S	179.5W	504	3.5b		¶97ii2867
NEIC	II	20 03 17 59.5	18.30S	179.48W	600	4.4b		
NEIC	Poor solution.							
ISC	**II**	**20 05 16 49**±2.1	**20.2S**±.75	**178.1W**±.41	**492**	**3.4b**	**7**	**44-90**
EIDC	II	20 05 16 49.4	20.2S	178.1W	492	3.0b		¶97ii2884
ISC	**II**	**20 14 48 57**±1.4	**18.9S**±.54	**177.9W**±.35	**550**	**3.4b**	**10**	**39-149**
NEIC	II	20 14 48 56.8	19.02S	177.84W	550			¶97ii2943
EIDC	II	20 14 48 59.7	18.8S	178.0W	566	3.0b		
NEIC	Poor solution.							
EIDC	**II**	**21 01 07 09.8**	**17.8S**	**177.8W**	**498**	**3.5b**		**45-160**
								¶97ii2997
EIDC	**II**	**21 08 35 46.0**	**19.5S**	**179.2W**	**0**	**3.9b**		**87-128**
								¶97ii3040
ISC	**II**	**21 16 20 23**±1.7	**17.6S**±.65	**178.5W**±.44	**600**	**3.4b**	**6**	**39-147**
NEIC	II	21 16 20 22.7	17.57S	178.50W	600			¶97ii3097
EIDC	II	21 16 20 26.0	17.8S	178.3W	630	2.8b		
NEIC	Poor solution.							

ISC	**II**	**21 22 32 13**±1.6	**19.4S**±.60	**178.2W**±.38	**550**	**3.7b**	**8**	**38-87**
EIDC	II	21 22 31 17.9	18.6S	177.6W	0	4.0b		**¶97ii3132**
NEIC	II	21 22 32 12.5	19.45S	178.19W	550	4.0b		
NEIC	Poor solution.							
ISC	**II**	**22 03 22 53**±1.7	**21.0S**±.14	**179.2W**±.12	**667**±21	**4.3b**	**62**	**12-165**
NEIC	II	22 03 22 47.1	21.00S	179.03W	600	4.5b		**¶97ii3164**
EIDC	II	22 03 22 48.7	21.0S	179.0W	608	3.8b		
ISC	**II**	**22 12 19 06.9**±.75	**18.3S**±.22	**177.3W**±.18	**33**	**4.3b**	**24**	**32-148**
EIDC	II	22 12 19 04.6	18.7S	177.1W	18	3.9b		**¶97ii3202**
NEIC	II	22 12 19 06.9	18.24S	177.30W	33	4.8b		
NEIC	Poor solution.							
ISC	**II**	**22 13 13 48.4**±.49	**19.1S**±.21	**176.7W**±.15	**33**	**4.5b**	**36**	**16-152**
EIDC	II	22 13 13 46.2	19.0S	176.8W	6	4.3b		**¶97ii3210**
MOS	II	22 13 13 47.1	20.1S	176.3W	33	5.1b		
NEIC	II	22 13 13 48.4	19.13S	176.71W	33	4.8b		
NEIC	Less reliable solution.							
EIDC	**II**	**22 17 20 40.3**	**19.3S**	**177.3W**	**441**	**3.2b**		**34-152**
								¶97ii3227
ISC	**II**	**23 00 40 36**±1.4	**17.78S**±.079	**178.56W**±.056	**590**±19	**4.9b**	**92**	**13-153**
EIDC	II	23 00 40 29.0	17.3S	178.5W	487	4.2b		**¶97ii3273**
MOS	II	23 00 40 36.7	17.6S	178.7W	600	4.4b		
NEIC	II	23 00 40 37.1	17.60S	178.75W	600	5.0b		
BJI	II	23 00 40 38.4	17.32S	178.97W	591	5.0b		
ISC	**II**	**23 03 24 50**±1.5	**19.1S**±.63	**177.0W**±.39	**33**	**3.9b**	**6**	**39-89**
EIDC	II	23 03 24 45.9	19.2S	176.9W	0	3.9b		**¶97ii3285**
EIDC	**II**	**23 04 11 04.6**	**18.6S**	**177.3W**	**0**	**4.1b**		**46-149**
								¶97ii3291
ISC	**II**	**23 18 28 00**±1.3	**16.0S**±.38	**176.9W**±.25	**367**±17	**4.0b**	**27**	**5-149**
EIDC	II	23 18 28 00.9	15.9S	177.0W	358	3.5b		**¶97ii3357**
NEIC	II	23 18 28 02.6	16.35S	176.67W	400	4.0b		
NEIC	Poor solution.							
ISC	**II**	**23 19 54 57.4**±.76	**21.96S**±.053	**179.50W**±.039	**585**±11	**5.1b**	**323**	**7-164**
EIDC	II	23 19 54 57.7	21.8S	179.4W	580	4.6b		**¶97ii3365**
MOS	II	23 19 54 59.5	21.8S	179.6W	607	5.2b		
NEIC	II	23 19 54 59.5	21.97S	179.59W	612	5.0b		
HRVD	II	23 19 55 00.7±.6	22.12S±.05	178.97W±.05	619±3.2			
BJI	II	23 19 55 03.4	20.88S	179.95W	601	5.1b		
NEIC	Mw5.6(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c38; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60±.07; $M_{\theta\theta}$−1.33±.11; $M_{\phi\phi}$0.73±.14; $M_{r\theta}$−0.47±.11; $M_{r\phi}$−2.03±.12; $M_{\theta\phi}$−1.11±.12. Principal Axes: T 2.76,Plg42°,Azm80°; N −0.27,Plg36°,Azm211°; P −2.49,Plg28°,Azm323°. Best double couple: $M_0$2.6×10^{17}Nm, NP1:ϕ_S103°,δ37°,λ166°. NP2:ϕ_S205°,δ82°,λ54°.

ISC	**II**	**24 11 09 59.2**±.63	**18.23S**±.062	**178.40W**±.059	**585**±9.0	**4.5b**	**63**	**3-151**
NEIC	II	24 11 09 59.4	18.13S	178.48W	587	4.5b		**¶97ii3465**
EIDC	II	24 11 10 01.1	18.1S	178.5W	592	3.7b		
ISC	**II**	**24 13 41 11**±1.1	**16.8S**±.28	**176.5W**±.25	**200**	**3.3b**	**6**	**47-147**
EIDC	II	24 13 41 13.7	16.7S	176.5W	214	3.2b		**¶97ii3485**
ISC	**II**	**24 17 53 49**±1.4	**18.0S**±.25	**176.8W**±.26	**33**	**4.3b**	**6**	**40-86**
EIDC	II	24 17 53 45.0	17.8S	176.7W	0	4.5b		**¶97ii3513**
EIDC	**II**	**25 11 53 10.8**	**16.8S**	**178.2W**	**0**	**3.9b**		**39-45**
								¶97ii3618
ISC	**II**	**25 14 07 49**±1.2	**21.3S**±.12	**179.2W**±.12	**624**±15	**4.0b**	**28**	**4-157**
EIDC	II	25 14 07 47.0	21.2S	179.0W	590	3.5b		**¶97ii3634**
NEIC	II	25 14 07 47.1	21.34S	179.13W	600	4.0b		
NEIC	Less reliable solution.							
ISC	**II**	**26 03 31 33**±2.1	**14.5S**±.49	**178.5W**±.25	**370**±30	**3.8b**	**20**	**7-147**
EIDC	II	26 03 31 33.9	14.7S	178.4W	378	3.4b		**¶97ii3737**
NEIC	II	26 03 31 34.3	14.94S	178.33W	400	4.0b		
NEIC	Less reliable solution.							
ISC	**II**	**26 22 01 38**±1.4	**17.0S**±.52	**178.6W**±.34	**450**	**3.6b**	**10**	**39-147**
NEIC	II	26 22 01 37.6	16.99S	178.56W	450			**¶97ii3865**
EIDC	II	26 22 01 46.1	17.0S	178.7W	535	3.2b		
NEIC	Poor solution.							
ISC	**II**	**26 22 04 08**±1.5	**16.9S**±.62	**178.6W**±.40	**450**	**3.5b**	**6**	**39-87**
EIDC	II	26 22 03 21.4	16.4S	178.1W	0	3.9b		**¶97ii3866**
NEIC	II	26 22 04 08.1	16.89S	178.57W	450			
NEIC	Poor solution.							
ISC	**II**	**26 22 14 04**±2.0	**17.0S**±.83	**178.7W**±.46	**550**	**3.2b**	**6**	**44-147**
EIDC	II	26 22 14 04.6	17.1S	178.7W	552	2.8b		**¶97ii3869**
ISC	**II**	**27 02 33 45**±2.3	**17.2S**±.89	**178.2W**±.51	**33**	**3.7b**	**4**	**45-85**
EIDC	II	27 02 33 40.7	17.2S	178.1W	0	3.6b		**¶97ii3893**
ISC	Poorly determined							
ISC	**II**	**27 09 29 32**±3.8	**19.4S**±.88	**178.4W**±.75	**33**	**4.2b**	**7**	**33-87**
EIDC	II	27 09 29 32.2	18.3S	179.2W	0	4.2b		**¶97ii3939**
EIDC	**II**	**27 10 40 17.3**	**20.9S**	**176.6W**	**0**	**3.7b**		**16-88**
								¶97ii3948
EIDC	**II**	**27 16 18 23.4**	**17.0S**	**178.2W**	**135**	**3.4b**		**39-85**
								¶97ii3983
ISC	**II**	**27 19 09 56**±1.2	**17.8S**±.42	**178.4W**±.31	**650**	**3.9b**	**14**	**32-148**
NEIC	II	27 19 09 56.4	17.81S	178.42W	650	4.3b		**¶97ii3996**
EIDC	II	27 19 09 56.9	17.8S	178.4W	638	3.3b		
NEIC	Poor solution.							
ISC	**II**	**28 00 29 01**±1.2	**19.7S**±.11	**177.9W**±.14	**604**±22	**4.1b**	**29**	**8-149**
NEIC	II	28 00 29 01.0	19.62S	177.95W	600	4.3b		**¶97ii4078**
EIDC	II	28 00 29 02.0	19.6S	178.1W	593	3.4b		
NEIC	Less reliable solution.							
ISC	**II**	**28 10 59 05**±1.2	**17.7S**±.11	**178.71W**±.098	**499**±16	**4.2b**	**78**	**8-168**
EIDC	II	28 10 59 05.9	17.4S	179.0W	490	3.7b		**¶97ii4221**
MOS	II	28 10 59 08.6	17.2S	179.2W	509	4.8b		
BJI	II	28 10 59 14.5	17.70S	179.10W	600	4.8b		
NEIC	II	28 10 59 14.5	17.67S	179.12W	600	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**28 16 00 22.5**±.70	**18.36S**±.065	**177.82W**±.076	**636**±10	**4.4b**	**65**	**4-152**
NEIC	II	28 16 00 20.3	18.15S	177.92W	600	4.9b		**¶97ii4286**
EIDC	II	28 16 00 22.4	18.2S	177.9W	621	3.8b		
MOS	II	28 16 00 24.2	17.7S	178.2W	634	4.5b		
NEIC	Less reliable solution.							
ISC	**II**	**28 22 41 29**±3.5	**17.2S**±.36	**176.8E**±.18	**61**±39	**4.1b**	**16**	**2-156**
EIDC	II	28 22 41 22.3	17.3S	176.8E	0	4.1b		**¶97ii4355**
NEIC	II	28 22 41 26.6	16.98S	176.72E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**01 10 19 24**±1.2	**17.6S**±.20	**178.6W**±.15	**520**±18	**4.2b**	**49**	**8-153**
EIDC	III	01 10 19 12.0	17.4S	178.3W	371	3.6b		**¶97iii0092**
NEIC	III	01 10 19 14.2	17.32S	178.59W	400	4.7b		
MOS	III	01 10 19 19.1	16.5S	179.4W	400	5.4b		
NEIC	Less reliable solution.							
ISC	**III**	**01 11 59 27**±5.0	**14.9S**±.51	**179.4W**±.34	**534**±62	**4.1b**	**13**	**15-144**
NEIC	III	01 11 59 24.1	14.85S	179.31W	500	4.5b		**¶97iii0102**
EIDC	III	01 11 59 32.0	14.7S	179.4W	590	3.0b		
NEIC	Poor solution.							
EIDC	**III**	**02 07 25 54.5**	**17.8S**	**178.8W**	**700**	**2.7b**		**44-86**
								¶97iii0257
ISC	**III**	**03 05 02 43.6**±.97	**20.6S**±.35	**179.2W**±.23	**650**	**4.1b**	**31**	**32-157**
NEIC	III	03 05 02 43.5	20.61S	179.20W	650	4.5b		**¶97iii0483**
EIDC	III	03 05 02 45.4	20.4S	179.3W	652	3.5b		
NEIC	Less reliable solution.							
ISC	**III**	**03 07 23 55.6**±.59	**18.02S**±.049	**178.10W**±.050	**654**±8.8	**4.6b**	**265**	**3-167**
NEIC	III	03 07 23 55.9	17.75S	178.24W	650	4.6b		**¶97iii0510**
EIDC	III	03 07 23 56.7	17.7S	178.2W	646	4.1b		
MOS	III	03 07 23 58.6	17.4S	178.5W	634	4.9b		
BJI	III	03 07 24 09.4	16.96S	178.32W	781	4.6b		
EIDC	**III**	**03 11 59 23.4**	**17.7S**	**177.7W**	**0**	**4.0b**		**39-86**
								¶97iii0569
ISC	**III**	**03 12 46 56**±1.2	**20.3S**±.36	**178.5W**±.24	**650**	**3.8b**	**13**	**33-129**
NEIC	III	03 12 46 56.3	20.29S	178.49W	650	4.2b		**¶97iii0575**
EIDC	III	03 12 46 57.5	20.4S	178.4W	655	3.1b		
NEIC	Less reliable solution.							
ISC	**III**	**03 16 09 52.5**±.99	**17.8S**±.31	**178.3W**±.22	**600**	**4.0b**	**23**	**32-167**
EIDC	III	03 16 09 52.1	18.1S	178.0W	593	3.3b		**¶97iii0634**
NEIC	III	03 16 09 52.8	17.79S	178.29W	600	4.3b		
NEIC	Poor solution.							
ISC	**III**	**04 06 07 29.6**±.65	**17.79S**±.052	**178.73W**±.042	**540**±8.8	**5.0b**	**346**	**3-167**
BJI	III	04 06 07 26.9	17.59S	178.31W	521	4.9b		**¶97iii0796**
MOS	III	04 06 07 28.8	17.6S	178.8W	526	5.1b		
EIDC	III	04 06 07 29.5	17.6S	178.8W	529	4.5b		
NEIC	III	04 06 07 30.3	17.70S	178.83W	550	4.9b		
ISC	**III**	**04 13 12 07**±3.1	**20.7S**±.64	**178.2W**±.48	**550**	**4.3b**	**14**	**33-158**
NEIC	III	04 13 12 06.2	20.73S	178.10W	550	4.4b		**¶97iii0850**
EIDC	III	04 13 12 08.1	20.5S	178.3W	547	3.7b		
NEIC	Poor solution.							
ISC	**III**	**05 15 14 54**±1.4	**17.5S**±.53	**178.3W**±.35	**600**	**3.6b**	**10**	**39-147**
NEIC	III	05 15 14 54.1	17.53S	178.28W	600	3.7b		**¶97iii1083**
EIDC	III	05 15 14 58.5	17.6S	178.3W	646	3.0b		
NEIC	Poor solution.							
ISC	**III**	**05 19 38 34**±1.2	**17.8S**±.24	**178.8W**±.23	**600**	**4.1b**	**19**	**31-151**
NEIC	III	05 19 38 33.9	17.86S	178.78W	600	4.4b		**¶97iii1121**
EIDC	III	05 19 38 38.5	18.0S	178.9W	634	3.2b		
NEIC	Poor solution.							
EIDC	**III**	**06 11 04 33.5**	**21.3S**	**179.6W**	**0**	**3.6b**		**43-98**
								¶97iii1256
EIDC	**III**	**06 14 29 23.7**	**17.7S**	**178.4W**	**0**	**3.7b**		**39-45**
								¶97iii1291
EIDC	**III**	**06 19 24 27.1**	**19.1S**	**179.5W**	**700**	**2.6b**		**37-87**
								¶97iii1338
ISC	**III**	**06 21 01 33**±1.1	**17.5S**±.53	**178.9W**±.31	**600**	**4.1b**	**11**	**31-87**
NEIC	III	06 21 01 32.7	17.40S	178.96W	600	4.4b		**¶97iii1352**
EIDC	III	06 21 01 34.7	17.3S	179.0W	611	3.2b		
NEIC	Poor solution.							
ISC	**III**	**07 07 43 15**±3.6	**20.8S**±.80	**178.1W**±.67	**450**	**3.7b**	**8**	**33-158**
EIDC	III	07 07 43 19.2	21.1S	178.0W	500	3.3b		**¶97iii1460**
ISC	**III**	**07 11 13 09**±3.1	**17.7S**±.82	**177.6W**±.67	**33**	**3.9b**	**6**	**39-148**
EIDC	III	07 11 13 05.9	17.5S	177.6W	0	3.9b		**¶97iii1505**
ISC	**III**	**07 14 00 49**±1.3	**19.3S**±.25	**177.6W**±.22	**550**	**3.8b**	**11**	**34-149**
NEIC	III	07 14 00 48.1	19.21S	177.53W	550	4.1b		**¶97iii1527**
EIDC	III	07 14 00 50.6	19.3S	177.6W	560	3.2b		
NEIC	Poor solution.							
EIDC	**III**	**07 17 23 46.4**	**17.5S**	**176.9W**	**0**	**3.6b**		**46-85**
								¶97iii1557
ISC	**III**	**08 09 08 31**±3.5	**17.6S**±.24	**179.2W**±.20	**660**±48	**4.2b**	**25**	**14-159**
NEIC	III	08 09 08 26.1	17.54S	178.99W	600	4.5b		**¶97iii1721**
EIDC	III	08 09 08 32.6	17.5S	179.2W	664	3.6b		
NEIC	Less reliable solution.							
EIDC	**III**	**08 13 48 43.5**	**17.2S**	**178.1W**	**0**	**3.5b**		**39-85**
								¶97iii1759
ISC	**III**	**08 15 18 13**±1.8	**19.4S**±.73	**179.2W**±.40	**600**	**3.8b**	**10**	**44-99**
NEIC	III	08 15 18 13.5	19.36S	179.22W	600	3.8b		**¶97iii1777**
EIDC	III	08 15 18 18.8	19.4S	179.2W	661	3.1b		
NEIC	Poor solution.							
EIDC	**III**	**10 10 57 28.2**	**17.6S**	**179.7W**	**0**	**3.7b**		**38-86**
								¶97iii2198
ISC	**III**	**10 13 22 20.4**±.47	**20.0S**±.12	**178.4W**±.10	**600**	**4.2b**	**59**	**31-160**
NEIC	III	10 13 22 20.2	20.00S	178.42W	600	4.1b		**¶97iii2215**
EIDC	III	10 13 22 22.3	20.1S	178.5W	610	3.6b		
MOS	III	10 13 22 23.5	20.0S	178.8W	600	4.5b		
NEIC	Less reliable solution.							
EIDC	**III**	**10 14 25 03.6**	**14.5S**	**179.6W**	**0**	**3.8b**		**39-83**
								¶97iii2230
EIDC	**III**	**10 16 26 49.1**	**21.5S**	**177.5W**	**0**	**3.7b**		**45-91**
								¶97iii2244
ISC	**III**	**10 19 46 44**±1.6	**16.3S**±.46	**178.1W**±.35	**33**	**4.0b**	**6**	**40-94**
EIDC	III	10 19 46 40.2	16.3S	178.0W	0	4.0b		**¶97iii2263**
ISC	**III**	**11 03 13 56.0**±.93	**21.09S**±.044	**178.77W**±.037	**507**±12	**5.2b**	**558**	**10-164**
EIDC	III	11 03 13 57.6	21.1S	178.6W	523	4.7b		**¶97iii2299**
MOS	III	11 03 13 58.2	20.9S	178.8W	529	5.4b		
NEIC	III	11 03 13 59.4	21.13S	178.86W	553	5.2b		
BJI	III	11 03 14 01.0	20.90S	178.80W	561	5.3b		
HRVD	III	11 03 14 04.3±.2	20.99S±.02	178.69W±.02	557±1.4			
NEIC	Mw5.7(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c57; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.04±.07; $M_{\theta\theta}$2.68±.12; $M_{\phi\phi}$0.35±.14; $M_{r\theta}$−2.01±.12; $M_{r\phi}$−1.08±.12; $M_{\theta\phi}$−0.86±.10. Principal Axes: T 3.40,Plg15°,Azm190°; N 0.65,Plg19°,Azm95°; P −4.05,Plg65°,Azm317°. Best double couple: $M_0$3.7×10^{17}Nm, NP1: ϕ_S305°,δ34°,λ−55°. NP2:ϕ_S85°,δ63°,λ−111°.

ISC	**III**	**11 16 38 59**±1.3	**20.3S**±.39	**178.0W**±.24	**300**	**3.6b**	**12**	**33-90**
EIDC	III	11 16 38 31.9	20.0S	177.7W	32	3.8b		**¶97iii2411**
NEIC	III	11 16 38 59.2	20.34S	178.01W	300	3.6b		
NEIC	Poor solution.							
ISC	**III**	**11 18 38 11**±1.2	**18.13S**±.052	**176.62W**±.040	**308**±12	**5.0b**	**296**	**6-166**
MOS	III	11 18 38 12.8	17.8S	176.9W	287	4.8b		**¶97iii2427**
EIDC	III	11 18 38 12.9	18.1S	176.7W	311	4.5b		
NEIC	III	11 18 38 15.9	18.17S	176.72W	352	5.0b		
BJI	III	11 18 38 16.1	18.05S	176.92W	341	5.1b		
ISC	**III**	**11 19 19 58**±1.0	**21.8S**±.15	**179.4W**±.12	**614**±14	**4.6b**	**31**	**4-151**
MOS	III	11 19 19 55.8	22.1S	179.4W	573	5.8b		**¶97iii2431**
NEIC	III	11 19 19 57.4	21.96S	179.43W	600	5.0b		
EIDC	III	11 19 19 58.2	21.9S	179.4W	596	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**11 20 28 28**±2.1	**18.4S**±.68	**178.1W**±.48	**33**	**4.0b**	**8**	**39-95**
EIDC	III	11 20 28 24.7	18.2S	178.2W	0	3.9b		**¶97iii2443**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**11 20 46 55**±2.0	**16.6S**±.81	**178.3W**±.46	**33**	**3.7b**	**5**	**45-86**
EIDC	III	11 20 46 50.6	17.0S	178.0W	0	3.7b		¶97iii2444
EIDC	**III**	**12 03 55 06.1**	**21.5S**	**176.4W**	**0**	**3.8b**		**46-92**
								¶97iii2475
ISC	**III**	**12 07 57 01**±1.5	**20.4S**±.61	**178.8W**±.35	**500**	**3.5b**	**10**	**37-150**
NEIC	III	12 07 57 01.2	20.45S	178.86W	500	3.7b		¶97iii2494
EIDC	III	12 07 57 06.6	20.6S	178.9W	556	3.0b		
NEIC	Poor solution.							
ISC	**III**	**12 08 28 59**±1.5	**18.9S**±.63	**178.1W**±.39	**33**	**3.8b**	**6**	**38-88**
EIDC	III	12 08 28 55.3	19.0S	177.9W	0	3.8b		¶97iii2498
ISC	**III**	**12 17 47 43**±3.7	**16.8S**±.84	**178.2W**±.76	**33**	**4.2b**	**6**	**39-85**
EIDC	III	12 17 47 39.9	16.7S	178.2W	0	4.1b		¶97iii2566
EIDC	**III**	**12 18 56 05.7**	**17.2S**	**179.0W**	**0**	**3.9b**		**38-94**
								¶97iii2579
ISC	**III**	**13 12 25 41**±1.5	**21.1S**±.52	**179.1W**±.34	**600**	**3.7b**	**12**	**37-150**
NEIC	III	13 12 25 41.1	21.14S	179.10W	600			¶97iii2702
EIDC	III	13 12 25 44.3	20.9S	179.3W	622	3.2b		
NEIC	Poor solution.							
ISC	**III**	**13 22 46 07.4**±.98	**18.2S**±.24	**177.1W**±.19	**33**	**4.1b**,5.1s	**13**	**36-148**
EIDC	III	13 22 46 03.8	18.0S	177.2W	0	4.0b		¶97iii2776
EIDC	**III**	**14 00 32 55.3**	**21.5S**	**177.9W**	**0**	**3.8b**		**44-91**
								¶97iii2789
ISC	**III**	**14 04 59 52**±3.8	**17.5S**±.28	**179.1W**±.27	**671**±46	**4.6b**	**20**	**14-86**
NEIC	III	14 04 59 50.1	17.47S	178.99W	650	4.7b		¶97iii2811
EIDC	III	14 04 59 57.1	17.5S	179.5W	676	4.0b		
NEIC	Less reliable solution.							
ISC	**III**	**14 14 49 10**±2.8	**17.8S**±.13	**178.9W**±.16	**588**±35	**4.4b**	**70**	**14-159**
EIDC	III	14 14 49 06.9	17.7S	178.7W	532	3.8b		¶97iii2900
NEIC	III	14 14 49 07.4	17.75S	178.77W	550	4.7b		
MOS	III	14 14 49 10.8	17.7S	178.9W	578	4.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**14 14 54 06.5**	**21.0S**	**176.2W**	**29**	**3.9b**		**16-88**
								¶97iii2902
ISC	**III**	**14 17 51 19.7**±.85	**18.5S**±.23	**178.2W**±.17	**650**	**4.0b**	**38**	**32-159**
NEIC	III	14 17 51 11.9	18.39S	177.93W	550	4.5b		¶97iii2926
EIDC	III	14 17 51 16.5	18.5S	178.0W	590	3.5b		
NEIC	Less reliable solution.							
ISC	**III**	**14 18 37 28**±1.8	**17.5S**±.64	**178.2W**±.43	**550**	**3.6b**	**8**	**39-147**
NEIC	III	14 18 37 28.0	17.73S	178.06W	550	3.7b		¶97iii2929
EIDC	III	14 18 37 34.4	17.9S	178.1W	624	2.9b		
NEIC	Poor solution.							
ISC	**III**	**14 21 33 07**±1.3	**17.1S**±.56	**179.0W**±.36	**500**	**3.6b**	**10**	**21-94**
EIDC	III	14 21 32 16.7	16.4S	178.5W	0	4.0b		¶97iii2950
NEIC	III	14 21 33 07.2	17.10S	178.97W	500	3.8b		
NEIC	Poor solution.							
ISC	**III**	**15 04 27 14**±2.4	**19.1S**±.79	**178.4W**±.57	**33**	**3.8b**	**5**	**38-88**
EIDC	III	15 04 27 10.0	19.3S	178.1W	0	3.9b		¶97iii2997
ISC	**III**	**15 13 50 45**±4.0	**14.2S**±.92	**178.7W**±.90	**33**	**3.9b**	**5**	**40-82**
EIDC	III	15 13 50 41.0	14.2S	178.6W	0	3.8b		¶97iii3060
EIDC	**III**	**15 18 36 26.7**	**20.9S**	**179.0W**	**700**	**2.9b**		**33-70**
								¶97iii3088
EIDC	**III**	**15 21 22 33.9**	**18.5S**	**173.0E**	**0**	**3.9b**		**31-37**
								¶97iii3109
ISC	**III**	**15 23 39 16.9**±.87	**17.2S**±.26	**178.9W**±.22	**500**	**4.2b**	**22**	**30-150**
NEIC	III	15 23 39 17.0	17.17S	178.89W	500	4.5b		¶97iii3130
EIDC	III	15 23 39 17.9	17.0S	178.9W	498	3.4b		
NEIC	Poor solution.							
ISC	**III**	**16 10 31 01**±3.6	**19.9S**±.15	**178.7W**±.21	**686**±48	**3.9b**	**31**	**14-149**
NEIC	III	16 10 30 45.6	19.84S	178.17W	500	4.2b		¶97iii3209
EIDC	III	16 10 30 51.6	19.9S	178.3W	560	3.5b		
NEIC	Less reliable solution.							
ISC	**III**	**17 05 30 00.0**±.58	**20.8S**±.21	**178.6W**±.12	**600**	**4.4b**	**41**	**28-157**
NEIC	III	17 05 30 01.1	20.51S	178.88W	600	4.4b		¶97iii3328
EIDC	III	17 05 30 02.5	20.6S	178.8W	602	3.6b		
NEIC	Less reliable solution.							
EIDC	**III**	**17 18 32 16.8**	**17.4S**	**179.7W**	**0**	**3.7b**		**34-44**
								¶97iii3417
ISC	**III**	**17 18 41 32**±2.3	**18.1S**±.12	**178.41W**±.099	**604**±31	**4.4b**	**64**	**15-159**
NEIC	III	17 18 41 31.5	18.05S	178.47W	600	4.7b		¶97iii3418
EIDC	III	17 18 41 31.5	17.9S	178.5W	580	3.7b		
BJI	III	17 18 41 32.8	17.45S	178.99W	567	4.7b		
MOS	III	17 18 41 32.9	18.0S	178.6W	600	5.3b		
NEIC	Less reliable solution.							
ISC	**III**	**18 00 33 16**±1.9	**21.0S**±.49	**177.9W**±.38	**500**	**3.8b**	**11**	**15-97**
EIDC	III	18 00 32 24.1	20.3S	177.1W	0	4.1b		¶97iii3456
NEIC	III	18 00 33 15.4	21.09S	177.79W	500	4.0b		
NEIC	Poor solution.							
ISC	**III**	**18 01 16 51**±1.2	**17.1S**±.48	**179.0W**±.32	**500**	**3.6b**	**10**	**31-87**
EIDC	III	18 01 15 59.8	16.4S	178.5W	0	3.7b		¶97iii3462
NEIC	III	18 01 16 50.5	17.08S	179.03W	500	4.0b		
NEIC	Poor solution.							
ISC	**III**	**18 08 14 55**±1.6	**20.3S**±.40	**178.6W**±.32	**550**	**3.9b**	**13**	**33-165**
NEIC	III	18 08 14 55.1	20.32S	178.56W	550	4.2b		¶97iii3509
EIDC	III	18 08 14 57.4	20.3S	178.6W	565	3.3b		
NEIC	Poor solution.							
EIDC	**III**	**18 08 46 38.5**	**18.0S**	**176.9W**	**0**	**3.3b**		**46-86**
								¶97iii3511
ISC	**III**	**18 13 34 02**±4.1	**16.2S**±.95	**178.9W**±.89	**33**	**3.9b**	**5**	**39-84**
EIDC	III	18 13 33 58.8	16.1S	179.0W	0	3.8b		¶97iii3541
ISC	**III**	**18 16 24 41**±1.3	**18.2S**±.16	**178.2W**±.24	**600**	**3.7b**	**12**	**25-148**
NEIC	III	18 16 24 38.5	18.80S	177.76W	600	3.9b		¶97iii3565
EIDC	III	18 16 24 41.5	18.5S	178.0W	607	3.0b		
NEIC	Poor solution.							
ISC	**III**	**19 08 37 44**±4.3	**18.3S**±.76	**177.8W**±.74	**450**	**3.2b**	**4**	**45-86**
EIDC	III	19 08 37 46.1	18.4S	177.6W	465	2.9b		¶97iii3670
ISC	Poorly determined							
ISC	**III**	**19 23 37 38**±1.5	**19.6S**±.61	**178.1W**±.36	**550**	**3.6b**	**13**	**38-149**
NEIC	III	19 23 37 38.2	19.58S	178.06W	550	3.9b		¶97iii3787
EIDC	III	19 23 37 40.2	19.8S	178.0W	564	3.0b		
NEIC	Poor solution.							
EIDC	**III**	**21 15 28 44.6**	**19.3S**	**177.8W**	**0**	**4.2b**		**34-59**
								¶97iii4091
EIDC	**III**	**22 04 16 32.4**	**18.7S**	**174.3E**	**0**	**3.9b**,3.4s		**32-38**
								¶97iii4195
ISC	**III**	**23 03 05 58**±1.1	**20.75S**±.087	**178.32W**±.084	**583**±15	**4.4b**	**64**	**9-161**
NEIC	III	23 03 05 56.5	20.73S	178.35W	573	4.6b		¶97iii4374
EIDC	III	23 03 05 57.7	20.7S	178.4W	567	3.8b		
MOS	III	23 03 06 01.4	19.6S	178.9W	570	4.9b		
BJI	III	23 03 06 02.5	19.99S	179.20W	575	4.6b		
ISC	**III**	**23 17 07 40**±3.0	**17.5S**±.65	**178.1W**±.62	**33**	**4.2b**	**7**	**36-85**
EIDC	III	23 17 07 35.2	17.6S	177.9W	0	4.1b		¶97iii4463
ISC	**III**	**23 18 30 15**±3.1	**20.5S**±.16	**177.9W**±.17	**592**±42	**3.7b**	**17**	**15-89**
EIDC	III	23 18 29 16.8	19.6S	177.3W	0	4.0b		¶97iii4472
NEIC	III	23 18 30 08.2	19.95S	177.97W	500	4.1b		
NEIC	Less reliable solution.							
ISC	**III**	**23 19 36 01**±3.4	**15.5S**±.75	**176.1W**±.73	**33**	**4.3b**,3.9s	**8**	**42-124**
EIDC	III	23 19 35 55.5	15.6S	175.8W	0	4.0b,3.9s		¶97iii4480
ISC	**III**	**24 12 35 44.7**±.84	**17.4S**±.25	**178.7W**±.19	**600**	**3.7b**	**9**	**39-87**
EIDC	III	24 12 34 46.6	16.4S	178.1W	0	3.7b		¶97iii4569
NEIC	III	24 12 35 44.6	17.45S	178.65W	600	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**25 01 03 48**±1.2	**17.4S**±.15	**178.8W**±.11	**525**±17	**4.2b**	**31**	**8-150**
NEIC	III	25 01 03 46.8	17.34S	178.88W	500	4.6b		¶97iii4651
EIDC	III	25 01 03 48.7	17.2S	178.9W	507	3.2b		
NEIC	Less reliable solution.							
ISC	**III**	**25 15 46 26**±3.0	**17.3S**±.66	**178.6W**±.64	**500**	**3.7b**	**7**	**35-85**
EIDC	III	25 15 45 38.1	16.0S	178.8W	0	4.0b		¶97iii4752
NEIC	III	25 15 46 25.8	17.34S	178.64W	500	4.0b		
NEIC	Poor solution.							
ISC	**III**	**25 19 05 14**±1.7	**20.4S**±.61	**178.7W**±.38	**500**	**3.7b**	**10**	**37-150**
NEIC	III	25 19 05 14.2	20.42S	178.65W	500	3.9b		¶97iii4772
EIDC	III	25 19 05 18.5	20.8S	178.5W	554	3.2b		
NEIC	Poor solution.							
ISC	**III**	**26 13 39 47**±2.1	**18.2S**±.80	**177.3W**±.45	**33**	**3.9b**	**6**	**46-86**
EIDC	III	26 13 39 43.7	18.0S	177.4W	0	3.6b		¶97iii4985
ISC	**III**	**27 02 24 47**±1.1	**15.6S**±.25	**177.1W**±.23	**33**	**4.2b**	**8**	**46-146**
EIDC	III	27 02 24 44.0	15.5S	177.2W	0	4.0b		¶97iii5120
ISC	**III**	**27 03 33 29**±5.2	**19.9S**±.26	**178.2W**±.23	**483**±57	**3.4b**	**11**	**15-120**
NEIC	III	27 03 33 20.8	19.83S	178.05W	400	3.7b		¶97iii5130
EIDC	III	27 03 33 25.5	19.6S	178.2W	432	3.0b		
NEIC	Less reliable solution.							
EIDC	**III**	**27 15 56 36.4**	**17.2S**	**178.3W**	**0**	**3.9b**		**39-45**
								¶97iii5261
ISC	**III**	**27 22 44 00**±1.0	**20.7S**±.26	**178.3W**±.19	**500**	**4.1b**	**35**	**29-160**
NEIC	III	27 22 44 00.4	20.72S	178.28W	500	4.3b		¶97iii5322
EIDC	III	27 22 44 03.1	20.6S	178.4W	517	3.6b		
NEIC	Less reliable solution.							
EIDC	**III**	**28 09 42 19.3**	**18.2S**	**178.3W**	**0**	**4.1b**		**45-89**
								¶97iii5409
ISC	**III**	**28 10 43 09**±3.8	**21.1S**±.49	**178.6W**±.57	**600**	**4.3b**	**17**	**14-151**
EIDC	III	28 10 43 04.9	21.2S	178.3W	557	3.7b		¶97iii5427
NEIC	III	28 10 43 08.5	21.00S	178.63W	600	4.4b		
NEIC	Poor solution.							
EIDC	**III**	**28 20 37 13.8**	**17.6S**	**178.8W**	**0**	**3.6b**		**44-94**
								¶97iii5479
ISC	**III**	**28 22 40 24**±1.2	**17.98S**±.060	**178.86W**±.045	**549**±16	**4.9b**	**311**	**12-159**
EIDC	III	28 22 40 24.0	17.8S	178.9W	530	4.3b		¶97iii5495
NEIC	III	28 22 40 25.2	17.81S	178.95W	554	5.0b		
BJI	III	28 22 40 25.6	17.89S	178.81W	566	4.8b		
MOS	III	28 22 40 26.2	17.2S	179.5W	513	5.1b		
HRVD	III	28 22 40 35.1±1.2	17.20S±.16	179.04W±.11	558±6.6			
NEIC	Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c14; Half duration: 1^{s}1. Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.61; $M_{\theta\theta}$0.73±.97; $M_{\phi\phi}$−3.37±.82; $M_{r\theta}$9.14±1.10; $M_{r\phi}$−0.06±1.03; $M_{\theta\phi}$4.49±.91. Principal Axes: T 11.5,Plg45°,Azm343°; N −2.0,Plg29°,Azm107°; P −9.5,Plg31°,Azm216°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S0°,δ30°,λ165°. NP2:ϕ_S102°,δ83°,λ61°.							
EIDC	**III**	**29 04 38 00.5**	**17.3S**	**177.1W**	**700**	3.0b		**40-161**
								¶97iii5531
EIDC	**III**	**29 05 17 16.1**	**19.2S**	**179.4W**	**0**	**3.7b**		**43-87**
								¶97iii5538
ISC	**III**	**29 16 19 30**±1.4	**16.4S**±.59	**178.8W**±.39	**33**	**3.8b**	**6**	**39-86**
EIDC	III	29 16 19 25.9	16.5S	178.6W	0	3.8b		¶97iii5618
ISC	**III**	**29 20 37 48**±1.5	**17.7S**±.76	**174.5E**±.37	**33**	**4.3b**	**6**	**33-92**
EIDC	III	29 20 37 44.2	17.5S	174.5E	0	3.9b		¶97iii5643
NEIC	III	29 20 37 47.9	17.62S	174.47E	33	4.2b		
NEIC	Poor solution.							
EIDC	**III**	**29 22 56 43.1**	**20.8S**	**179.5W**	**0**	3.5b		**43-89**
								¶97iii5656
EIDC	**III**	**30 10 06 12.0**	**20.0S**	**179.3W**	**0**	**3.8b**		**14-43**
								¶97iii5736
ISC	**III**	**30 11 11 46**±2.5	**20.8S**±.83	**178.4W**±.57	**400**	**3.2b**	**7**	**37-150**
EIDC	III	30 11 11 48.2	20.9S	178.3W	411	3.0b		¶97iii5745
ISC	**III**	**31 20 13 24**±4.7	**20.1S**±.12	**176.5W**±.13	**255**±45	**4.3b**	**80**	**16-154**
NEIC	III	31 20 13 28.7	19.91S	176.72W	300	4.2b		¶97iii5929
EIDC	III	31 20 13 29.9	19.9S	176.7W	297	4.0b		
NEIC	Less reliable solution.							
EIDC	**IV**	**01 09 45 41.3**	**17.0S**	**176.1W**	**27**	**3.5b**		**41-85**
								¶97iv0048
ISC	**IV**	**01 10 02 30**±2.1	**19.0S**±.84	**177.7W**±.45	**33**	**3.6b**	**5**	**45-88**
EIDC	IV	01 10 02 26.4	19.0S	177.6W	0	3.5b		¶97iv0051
ISC	**IV**	**01 15 35 54**±1.2	**17.9S**±.55	**179.1W**±.33	**762**±23	**3.8b**	**12**	**8-88**
EIDC	IV	01 15 34 44.5	16.5S	178.3W	0	4.0b		¶97iv0092
NEIC	IV	01 15 35 35.3	17.04S	178.86W	500	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**01 16 25 07.6**±.85	**20.9S**±.24	**178.9W**±.20	**550**	**3.4b**	**11**	**37-150**
EIDC	IV	01 16 25 08.3	20.8S	178.9W	547	2.9b		¶97iv0108
EIDC	**IV**	**01 23 58 39.4**	**17.9S**	**178.3W**	**0**	**3.8b**		**39-45**
								¶97iv0159
ISC	**IV**	**02 09 28 19**±3.8	**18.2S**±.86	**179.0W**±.76	**33**	**3.9b**	**6**	**38-86**
EIDC	IV	02 09 28 15.2	18.1S	179.0W	0	4.0b		¶97iv0223
ISC	**IV**	**02 10 30 52**±2.0	**16.6S**±.80	**178.4W**±.46	**33**	**3.8b**	**5**	**45-86**
EIDC	IV	02 10 30 48.9	16.5S	178.3W	0	3.6b		¶97iv0232
ISC	**IV**	**02 15 49 14**±3.0	**17.6S**±.68	**178.3W**±.66	**600**	**3.8b**	**9**	**35-147**
EIDC	IV	02 15 49 16.2	17.6S	178.3W	616	3.1b		¶97iv0265
ISC	**IV**	**02 17 25 49**±1.8	**20.1S**±.68	**178.8W**±.44	**600**	**3.5b**	**5**	**37-88**
EIDC	IV	02 17 25 48.1	20.1S	178.7W	579	2.9b		¶97iv0276
ISC	**IV**	**04 11 58 51**±1.4	**17.3S**±.24	**177.7W**±.22	**33**	**4.5b**	**12**	**32-85**
EIDC	IV	04 11 58 48.2	17.2S	177.7W	0	4.3b		¶97iv0607
EIDC	**IV**	**05 09 55 05.7**	**18.0S**	**176.6E**	**0**	**4.2b**		**34-60**
								¶97iv0747
ISC	**IV**	**05 12 18 05**±1.1	**18.8S**±.27	**177.9W**±.21	**500**	**3.8b**	**15**	**34-99**
EIDC	IV	05 12 18 02.4	18.6S	177.8W	463	3.4b		¶97iv0765
NEIC	IV	05 12 18 04.7	18.82S	177.86W	500	4.2b		
NEIC	Poor solution.							
ISC	**IV**	**05 15 40 17**±1.2	**17.9S**±.16	**178.5W**±.12	**596**±18	**4.3b**	**48**	**8-151**
EIDC	IV	05 15 40 17.2	17.8S	178.5W	570	3.7b		¶97iv0798
NEIC	IV	05 15 40 17.8	17.90S	178.56W	600	4.6b		
NEIC	Less reliable solution.							

EIDC	**IV**	**05 17 22 46.5**	**17.7S**	**176.9W**	**0**	**3.8b**	**46-85**
							¶97iv0816
ISC	**IV**	**05 17 58 07**±1.6	**19.2S**±.64	**178.2W**±.40	**33**	**3.6b**	**6 38-88**
EIDC	IV	05 17 58 02.8	19.1S	178.2W	0	3.6b	**¶97iv0820**
ISC	**IV**	**05 20 11 48**±1.2	**18.16S**±.081	**178.44W**±.050	**619**±18	**4.6b**	**186 13-167**
NEIC	IV	05 20 11 46.6	18.02S	178.48W	600	4.8b	**¶97iv0844**
BJI	IV	05 20 11 47.9	17.48S	178.59W	590	4.6b	
MOS	IV	05 20 11 48.2	17.8S	178.6W	607	4.4b	
EIDC	IV	05 20 11 49.8	18.0S	178.5W	626	4.0b	
ISC	**IV**	**06 02 42 29**±1.3	**17.1S**±.47	**177.8W**±.34	**33**	**4.1b**	**10 36-86**
EIDC	IV	06 02 42 23.3	17.2S	177.5W	0	4.0b	**¶97iv0913**
ISC	**IV**	**06 04 12 27**±1.5	**16.2S**±.68	**178.4W**±.41	**33**	**4.0b**	**7 39-93**
EIDC	IV	06 04 12 22.4	16.6S	178.2W	0	3.6b	**¶97iv0923**
ISC	**IV**	**06 11 37 06**±1.6	**16.6S**±.53	**179.5W**±.42	**500**	**3.6b**	**20 31-151**
NEIC	IV	06 11 37 06.0	16.45S	179.56W	500	4.0b	**¶97iv0987**
EIDC	IV	06 11 37 12.3	16.3S	179.8W	556	3.0b	
NEIC	Poor solution.						
ISC	**IV**	**06 12 44 32**±1.2	**16.7S**±.48	**177.7W**±.32	**33**	**4.2b**	**10 33-86**
EIDC	IV	06 12 44 27.5	16.9S	177.5W	0	4.0b	**¶97iv0995**
NEIC	IV	06 12 44 31.4	16.76S	177.63W	33	4.5b	
NEIC	Poor solution.						
ISC	**IV**	**07 11 20 22.6**±.91	**19.0S**±.20	**176.9W**±.18	**33**	**4.0b**	**11 36-95**
EIDC	IV	07 11 20 19.7	18.9S	177.0W	0	3.9b	**¶97iv1147**
NEIC	IV	07 11 20 22.5	19.02S	176.87W	33	4.5b	
NEIC	Poor solution.						
ISC	**IV**	**07 11 28 59**±1.5	**20.4S**±.62	**179.2W**±.35	**650**	**3.6b**	**10 37-145**
NEIC	IV	07 11 28 58.8	20.42S	179.24W	650	4.1b	**¶97iv1149**
EIDC	IV	07 11 29 00.5	20.4S	179.2W	656	3.0b	
NEIC	Poor solution.						
ISC	**IV**	**07 21 08 12**±1.8	**19.8S**±.26	**177.0W**±.24	**400**	**3.9b**	**13 16-150**
EIDC	IV	07 21 08 17.0	19.7S	177.1W	439	3.6b	**¶97iv1227**
NEIC	IV	07 21 08 29.5	20.05S	177.42W	600	4.4b	
NEIC	Poor solution.						
ISC	**IV**	**08 12 53 33**±1.7	**21.3S**±.69	**177.7W**±.43	**33**	**3.8b**	**5 38-89**
EIDC	IV	08 12 53 29.7	21.1S	177.7W	0	3.6b	**¶97iv1334**
ISC	**IV**	**08 21 33 21**±2.3	**19.5S**±.82	**176.4W**±.48	**33**	**3.6b**	**7 46-165**
EIDC	IV	08 21 33 17.8	19.5S	176.4W	0	3.6b	**¶97iv1410**
ISC	**IV**	**09 18 52 42**±3.6	**20.4S**±.12	**177.75W**±.095	**448**±40	**4.5b**	**85 15-158**
NEIC	IV	09 18 52 36.8	20.29S	177.69W	400	4.7b	**¶97iv1565**
BJI	IV	09 18 52 37.8	20.30S	177.70W	400	4.5b	
EIDC	IV	09 18 52 38.1	20.3S	177.6W	401	3.9b	
MOS	IV	09 18 52 38.5	20.3S	177.7W	414	4.8b	
ISC	**IV**	**10 10 43 00.9**±.78	**21.35S**±.053	**179.07W**±.074	**616**±10	**4.6b**	**88 4-164**
BJI	IV	10 10 42 59.9	21.11S	179.26W	596	5.0b	**¶97iv1675**
NEIC	IV	10 10 43 01.9	21.17S	179.23W	624	4.8b	
EIDC	IV	10 10 43 02.3	21.2S	179.2W	612	4.0b	
ISC	**IV**	**10 19 10 15**±3.8	**19.6S**±.33	**177.9W**±.29	**638**±48	**4.0b**	**18 15-88**
NEIC	IV	10 19 10 15.8	19.61S	177.87W	650	4.3b	**¶97iv1732**
EIDC	IV	10 19 10 20.7	19.6S	178.0W	700	3.3b	
NEIC	Less reliable solution.						
ISC	**IV**	**11 17 40 35**±3.2	**17.8S**±.22	**178.8W**±.21	**617**±40	**4.3b**	**25 14-147**
EIDC	IV	11 17 40 16.3	16.9S	178.7W	371	3.6b	**¶97iv1946**
NEIC	IV	11 17 40 29.5	17.78S	178.64W	550	4.6b	
NEIC	Less reliable solution.						
ISC	**IV**	**12 06 26 36**±1.5	**16.5S**±.47	**177.2W**±.37	**300**	**3.8b**	**14 35-147**
NEIC	IV	12 06 26 35.9	16.41S	177.29W	300	3.8b	**¶97iv2015**
EIDC	IV	12 06 26 37.9	16.4S	177.3W	304	3.6b	
NEIC	Poor solution.						
ISC	**IV**	**12 08 40 43**±1.0	**20.0S**±.24	**178.0W**±.20	**450**	**3.5b**	**11 35-150**
NEIC	IV	12 08 40 43.1	19.93S	177.96W	450	3.8b	**¶97iv2038**
EIDC	IV	12 08 40 44.8	19.9S	178.0W	453	3.0b	
NEIC	Less reliable solution.						
ISC	**IV**	**13 08 48 31**±2.6	**21.19S**±.075	**176.57W**±.068	**172**±25	**4.6b**	**154 15-161**
MOS	IV	13 08 48 17.3	21.0S	176.5W	33	5.0b	**¶97iv2213**
EIDC	IV	13 08 48 33.0	21.1S	176.5W	174	4.2b	
NEIC	IV	13 08 48 34.5	21.16S	176.61W	200	4.7b	
BJI	IV	13 08 48 37.0	20.33S	177.11W	182	4.5b	
ISC	**IV**	**13 12 42 48**±1.2	**17.4S**±.42	**178.0W**±.30	**500**	**3.7b**	**16 32-147**
NEIC	IV	13 12 42 48.5	17.26S	178.12W	500	4.0b	**¶97iv2242**
EIDC	IV	13 12 42 54.6	17.7S	178.0W	580	3.1b	
NEIC	Poor solution.						
ISC	**IV**	**13 17 23 27**±1.7	**21.0S**±.61	**177.0W**±.37	**33**	**4.1b**	**15 38-151**
EIDC	IV	13 17 23 22.5	21.2S	176.7W	0	4.0b	**¶97iv2272**
ISC	**IV**	**14 06 58 20**±3.2	**21.7S**±.68	**178.3W**±.61	**300**	**3.7b**	**10 30-90**
EIDC	IV	14 06 58 19.1	21.3S	178.6W	262	3.6b	**¶97iv2405**
NEIC	IV	14 06 58 21.6	21.48S	178.59W	300	3.9b	
NEIC	Poor solution.						
ISC	**IV**	**14 08 44 15**±4.2	**19.0S**±.97	**177.8W**±.85	**33**	**4.0b**	**5 39-87**
EIDC	IV	14 08 44 11.6	19.0S	177.7W	0	4.0b	**¶97iv2421**
ISC	**IV**	**14 11 09 10**±1.5	**14.6S**±.56	**177.7W**±.42	**33**	**3.6b**	**6 41-91**
EIDC	IV	14 11 09 06.7	14.4S	177.7W	0	3.6b	**¶97iv2446**
ISC	**IV**	**14 15 32 03**±1.6	**20.0S**±.53	**177.9W**±.32	**400**	**3.7b**	**9 34-90**
NEIC	IV	14 15 32 02.6	19.98S	177.90W	400	4.1b	**¶97iv2480**
EIDC	IV	14 15 32 03.2	19.9S	177.9W	397	3.3b	
NEIC	Poor solution.						
EIDC	**IV**	**14 20 40 00.4**	**21.2S**	**177.0W**	**0**	**3.9b**	**38-91**
							¶97iv2512
ISC	**IV**	**15 14 43 12.6**±.97	**20.5S**±.18	**177.6W**±.19	**250**	**3.5b**	**13 38-148**
EIDC	IV	15 14 42 47.4	20.2S	177.2W	18	3.7b	**¶97iv2617**
NEIC	IV	15 14 43 12.7	20.52S	177.61W	250	3.6b	
NEIC	Less reliable solution.						
ISC	**IV**	**15 22 16 44**±1.2	**16.7S**±.36	**179.1W**±.26	**400**	**3.4b**	**9 39-94**
EIDC	IV	15 22 16 01.9	16.3S	178.7W	0	3.8b	**¶97iv2658**
NEIC	IV	15 22 16 43.8	16.76S	179.12W	400	3.7b	
NEIC	Poor solution.						
EIDC	**IV**	**16 05 40 02.9**	**16.6S**	**175.1E**	**0**	**4.1b**	**10-39**
							¶97iv2703
ISC	**IV**	**16 11 27 59**±1.0	**17.7S**±.36	**178.6W**±.25	**550**	**4.0b**	**20 31-150**
NEIC	IV	16 11 27 59.6	17.68S	178.60W	550	4.4b	**¶97iv2748**
EIDC	IV	16 11 28 00.1	17.5S	178.6W	542	3.2b	
NEIC	Poor solution.						
ISC	**IV**	**16 15 59 09**±2.2	**17.68S**±.079	**178.83W**±.072	**524**±28	**4.5b**	**140 15-159**
EIDC	IV	16 15 59 09.7	17.6S	178.7W	528	3.9b	**¶97iv2783**
NEIC	IV	16 15 59 10.9	17.67S	178.87W	550	4.5b	
BJI	IV	16 15 59 11.0	17.73S	178.92W	548	4.5b	
MOS	IV	16 15 59 14.1	17.9S	179.2W	550	4.4b	
ISC	**IV**	**17 00 21 32**±1.6	**17.5S**±.56	**178.4W**±.46	**550**	**3.5b**	**11 35-147**
NEIC	IV	17 00 21 32.7	17.48S	178.46W	550	4.0b	**¶97iv2824**
EIDC	IV	17 00 21 33.8	17.4S	178.5W	544	3.0b	
NEIC	Poor solution.						
ISC	**IV**	**17 01 19 01**±5.2	**19.9S**±.23	**177.7W**±.24	**466**±57	**3.6b**	**16 15-149**
NEIC	IV	17 01 18 49.5	19.83S	177.53W	350	3.8b	**¶97iv2829**
EIDC	IV	17 01 18 53.0	19.8S	177.6W	370	3.1b	
NEIC	Less reliable solution.						
ISC	**IV**	**17 10 42 39**±1.6	**18.5S**±.30	**173.1E**±.30	**33**	**3.5b**	**4 37-88**
EIDC	IV	17 10 42 35.3	18.4S	173.1E	0	3.6b	**¶97iv2887**
ISC	Poorly determined						
ISC	**IV**	**17 13 17 15**±1.4	**20.2S**±.50	**178.8W**±.30	**550**	**3.6b**	**11 33-97**
NEIC	IV	17 13 17 14.5	20.22S	178.79W	550	3.8b	**¶97iv2910**
EIDC	IV	17 13 17 15.9	21.0S	178.5W	573	3.0b	
NEIC	Poor solution.						
ISC	**IV**	**17 21 00 59**±1.6	**13.7S**±.40	**173.1E**±.39	**33**	**3.9b**	**9 31-94**
EIDC	IV	17 21 00 55.6	13.5S	173.1E	0	3.9b	**¶97iv2972**
NEIC	IV	17 21 00 58.8	13.63S	173.07E	33	4.1b	
NEIC	Poor solution.						
ISC	**IV**	**18 07 34 21**±1.8	**19.6S**±.72	**178.0W**±.38	**500**	**3.5b**	**8 45-90**
EIDC	IV	18 07 33 30.8	18.3S	177.8W	0	3.8b	**¶97iv3035**
NEIC	IV	18 07 34 20.9	19.69S	177.87W	500	4.0b	
NEIC	Poor solution.						
ISC	**IV**	**18 07 47 23**±2.1	**18.7S**±.84	**177.7W**±.46	**33**	**3.5b**	**5 45-87**
EIDC	IV	18 07 47 19.4	18.5S	177.7W	0	3.5b	**¶97iv3037**
ISC	**IV**	**18 15 06 29**±1.6	**21.92S**±.070	**177.88W**±.060	**338**±16	**4.6b**	**169 5-163**
EIDC	IV	18 15 06 30.0	21.8S	177.8W	343	4.2b	**¶97iv3095**
BJI	IV	18 15 06 30.5	21.32S	177.70W	349	4.6b	
NEIC	IV	18 15 06 30.9	21.82S	177.98W	361	4.7b	
MOS	IV	18 15 06 36.4	21.9S	178.1W	408	4.5b	
ISC	**IV**	**18 21 10 45**±1.3	**20.9S**±.30	**177.7W**±.25	**500**	**3.7b**	**16 34-151**
EIDC	IV	18 21 10 39.5	20.8S	177.5W	420	3.3b	**¶97iv3120**
NEIC	IV	18 21 10 45.7	20.86S	177.74W	500	4.0b	
NEIC	Poor solution.						
EIDC	**IV**	**20 11 43 37.9**	**19.7S**	**177.8W**	**700**	**2.5b**	**45-96**
							¶97iv3306
ISC	**IV**	**20 16 20 44.0**±.58	**20.2S**±.17	**178.3W**±.11	**500**	**3.9b**	**42 31-150**
NEIC	IV	20 16 20 43.5	20.20S	178.22W	500	4.2b	**¶97iv3339**
EIDC	IV	20 16 20 46.4	20.1S	178.3W	522	3.5b	
MOS	IV	20 16 20 47.6	19.4S	178.8W	503	4.3b	
NEIC	Less reliable solution.						
ISC	**IV**	**20 18 45 19**±1.7	**19.77S**±.059	**177.55W**±.059	**369**±18	**5.0b**	**224 9-165**
BJI	IV	20 18 45 21.3	19.44S	177.17W	402	5.4b	**¶97iv3349**
NEIC	IV	20 18 45 21.9	19.73S	177.68W	400	5.1b	
EIDC	IV	20 18 45 22.2	19.7S	177.5W	399	4.3b	
MOS	IV	20 18 45 25.0	19.7S	177.8W	430	5.6b	
ISC	**IV**	**20 21 42 06**±5.8	**19.2S**±.15	**177.5W**±.18	**488**±64	**4.1b**	**54 32-153**
BJI	IV	20 21 42 07.0	19.20S	177.50W	500	4.4b	**¶97iv3364**
NEIC	IV	20 21 42 07.0	19.24S	177.49W	500	4.5b	
EIDC	IV	20 21 42 11.1	19.2S	177.6W	535	3.5b	
NEIC	Less reliable solution.						
ISC	**IV**	**21 09 26 52**±2.0	**20.3S**±.82	**178.2W**±.43	**500**	**3.7b**	**8 44-129**
NEIC	IV	21 09 26 51.9	20.32S	178.14W	500	4.0b	**¶97iv3438**
EIDC	IV	21 09 26 52.2	20.3S	178.1W	491	3.2b	
NEIC	Poor solution.						
EIDC	**IV**	**21 09 30 52.5**	**20.8S**	**177.1W**	**0**	**3.5b**	**45-89**
							¶97iv3439
ISC	**IV**	**21 17 53 57**±1.0	**21.40S**±.056	**179.16W**±.051	**604**±14	**4.9b**	**321 8-164**
MOS	IV	21 17 53 50.7	21.2S	179.2W	500	5.0b	**¶97iv3546**
BJI	IV	21 17 53 57.6	21.10S	178.72W	620	4.9b	
NEIC	IV	21 17 53 58.1	21.35S	179.22W	616	5.0b	
EIDC	IV	21 17 53 58.1	21.2S	179.1W	603	4.3b	
EIDC	**IV**	**21 17 55 19.4**	**18.8S**	**177.9W**	**0**	**4.3b**	**80-149**
							¶97iv3547
ISC	**IV**	**22 00 07 32**±1.4	**20.4S**±.53	**178.7W**±.31	**550**	**3.9b**	**13 37-150**
NEIC	IV	22 00 07 31.2	20.41S	178.66W	550	4.2b	**¶97iv3602**
EIDC	IV	22 00 07 32.4	20.4S	178.6W	552	3.3b	
NEIC	Poor solution.						
ISC	**IV**	**22 14 25 40**±1.4	**17.2S**±.50	**178.7W**±.34	**500**	**3.6b**	**12 39-147**
NEIC	IV	22 14 25 39.8	17.28S	178.70W	500	3.8b	**¶97iv3764**
EIDC	IV	22 14 25 41.8	17.3S	178.7W	513	3.2b	
NEIC	Poor solution.						
EIDC	**IV**	**22 16 14 10.6**	**16.1S**	**177.5W**	**0**	**4.0b**	**40-46**
							¶97iv3778
ISC	**IV**	**23 13 35 12**±1.9	**18.8S**±.33	**174.6E**±.23	**33**	**3.9b**	**8 6-153**
EIDC	IV	23 13 35 10.8	18.3S	174.1E	0	3.9b	**¶97iv3966**
ISC	**IV**	**23 15 10 42**±1.4	**19.9S**±.32	**176.2W**±.24	**350**	**3.8b**	**13 16-85**
EIDC	IV	23 15 10 42.3	19.4S	176.4W	337	3.6b	**¶97iv3981**
ISC	**IV**	**24 01 45 14**±4.1	**20.3S**±.40	**178.3W**±.31	**517**±43	**4.1b**	**24 14-150**
EIDC	IV	24 01 45 06.4	20.3S	178.0W	414	3.5b	**¶97iv4059**
NEIC	IV	24 01 45 17.7	20.17S	178.48W	550	4.4b	
NEIC	Poor solution.						
EIDC	**IV**	**24 01 54 34.6**	**17.5S**	**178.6W**	**580**	**3.0b**	**45-147**
							¶97iv4060
ISC	**IV**	**24 08 45 52.9**±.82	**17.0S**±.21	**178.6W**±.17	**450**	**3.8b**	**16 33-147**
NEIC	IV	24 08 45 53.0	17.05S	178.61W	450	4.1b	**¶97iv4110**
EIDC	IV	24 08 46 09.5	17.0S	179.0W	629	3.1b	
NEIC	Poor solution.						
ISC	**IV**	**24 10 20 49**±3.3	**19.1S**±.75	**177.4W**±.68	**33**	**4.1b**	**7 39-87**
EIDC	IV	24 10 20 47.6	18.6S	177.7W	0	4.0b	**¶97iv4124**
ISC	**IV**	**25 00 08 32**±1.4	**17.2S**±.36	**178.3W**±.24	**500**	**3.5b**	**7 39-133**
EIDC	IV	25 00 08 19.7	17.1S	178.1W	347	3.7b	**¶97iv4242**
NEIC	IV	25 00 08 33.1	17.40S	178.33W	500		
NEIC	Poor solution.						
ISC	**IV**	**25 09 03 13**±1.5	**20.8S**±.67	**178.2W**±.39	**350**	**3.3b**	**10 37-150**
EIDC	IV	25 09 03 15.4	20.9S	178.2W	367	3.2b	**¶97iv4311**
ISC	**IV**	**27 05 19 55**±3.2	**20.4S**±.12	**178.1W**±.12	**495**±38	**4.0b**	**41 14-150**
MOS	IV	27 05 19 48.8	20.4S	178.1W	412	4.5b	**¶97iv4666**
NEIC	IV	27 05 19 55.2	20.36S	178.15W	500	4.5b	
EIDC	IV	27 05 19 55.7	20.3S	178.1W	493	3.5b	
NEIC	Less reliable solution.						
ISC	**IV**	**27 07 16 35**±2.1	**20.5S**±.13	**177.8W**±.11	**623**±29	**4.4b**	**40 15-150**
EIDC	IV	27 07 16 28.8	20.3S	177.8W	528	3.7b	**¶97iv4684**
BJI	IV	27 07 16 33.4	20.50S	177.80W	600	4.3b	
NEIC	IV	27 07 16 33.4	20.46S	177.80W	600	4.7b	
NEIC	Less reliable solution.						
ISC	**IV**	**27 11 10 54**±1.2	**18.2S**±.49	**178.2W**±.33	**500**	**3.7b**	**12 32-148**
EIDC	IV	27 11 10 51.4	18.1S	178.1W	461	3.0b	**¶97iv4712**
NEIC	IV	27 11 10 53.6	18.17S	178.20W	500	4.2b	
NEIC	Poor solution.						
EIDC	**IV**	**27 11 23 27.3**	**13.5S**	**178.9W**	**0**	**3.9b**	**45-91**
							¶97iv4714
ISC	**IV**	**28 05 32 57**±1.9	**20.7S**±.11	**178.3W**±.12	**585**±24	**4.4b**	**42 13-150**
EIDC	IV	28 05 32 51.5	20.6S	178.1W	508	3.8b	**¶97iv4858**
NEIC	IV	28 05 32 53.9	20.67S	178.20W	550	4.7b	
NEIC	Less reliable solution.						

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**IV**	**28 09 26 43.6**	**18.7S**	**175.9E**	**0**	**4.1b**		**34-39**
								¶97iv4883
ISC	**IV**	**30 02 30 46**±1.6	**20.0S**±.66	**178.9W**±.40	**600**	**3.5b**	**8**	**37-149**
NEIC	IV	30 02 30 46.1	19.99S	178.86W	600			**¶97iv5148**
EIDC	IV	30 02 30 46.2	19.9S	178.8W	581	2.9b		
NEIC	Poor solution.							
ISC	**IV**	**30 03 34 33**±1.0	**19.4S**±.26	**178.5W**±.20	**500**	**3.3b**	**7**	**44-87**
EIDC	IV	30 03 33 41.7	19.0S	177.9W	0	3.7b		**¶97iv5158**
NEIC	IV	30 03 34 33.2	19.41S	178.47W	500	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**30 11 41 12**±1.0	**20.5S**±.17	**178.2W**±.18	**550**	**3.9b**	**21**	**22-150**
EIDC	IV	30 11 41 02.1	20.2S	178.0W	414	3.5b		**¶97iv5212**
NEIC	IV	30 11 41 12.4	20.50S	178.30W	550	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**30 12 41 58**±1.1	**17.8S**±.15	**178.5W**±.11	**611**±16	**4.3b**	**35**	**8-147**
NEIC	IV	30 12 41 57.6	17.83S	178.52W	600	4.6b		**¶97iv5218**
EIDC	IV	30 12 41 58.8	17.7S	178.5W	596	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**30 16 49 49**±4.6	**20.8S**±.50	**179.2W**±.73	**700**	**4.0b**	**9**	**32-89**
EIDC	IV	30 16 49 50.7	20.7S	179.2W	700	3.3b		**¶97iv5234**
ISC	**V**	**01 03 25 54**±1.9	**21.95S**±.082	**176.53W**±.071	**197**±19	**4.4b**	**122**	**7-161**
EIDC	V	01 03 25 47.7	21.9S	176.3W	127	4.3b		**¶97v0023**
NEIC	V	01 03 26 06.4	21.75S	176.93W	300	4.5b		
MOS	V	01 03 26 10.5	22.3S	177.4W	297	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**01 07 01 38.4**±.75	**14.9S**±.29	**176.7W**±.21	**300**	**3.9b**	**30**	**42-150**
NEIC	V	01 07 01 38.5	14.94S	176.73W	300	4.1b		**¶97v0051**
EIDC	V	01 07 01 44.3	14.7S	176.9W	342	3.3b		
NEIC	Poor solution.							
ISC	**V**	**01 10 52 17.9**±.72	**20.8S**±.20	**178.1W**±.15	**500**	**3.6b**	**17**	**34-158**
EIDC	V	01 10 52 19.2	20.7S	178.2W	500	3.1b		**¶97v0085**
NEIC	V	01 10 52 21.9	20.91S	178.14W	550	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**01 20 00 11**±1.2	**20.06S**±.067	**177.96W**±.086	**438**±12	**4.2b**	**93**	**4-160**
MOS	V	01 19 59 59.3	20.2S	177.9W	300	4.2b		**¶97v0146**
EIDC	V	01 20 00 09.3	19.9S	177.9W	412	3.8b		
NEIC	V	01 20 00 16.6	20.08S	178.14W	500	4.4b		
ISC	**V**	**02 01 57 56**±1.2	**20.1S**±.46	**177.9W**±.26	**500**	**3.7b**	**17**	**34-150**
EIDC	V	02 01 57 54.2	20.1S	177.8W	466	3.3b		**¶97v0192**
NEIC	V	02 01 57 55.9	20.18S	177.88W	500	3.8b		
NEIC	Poor solution.							
ISC	**V**	**02 12 59 42**±1.8	**21.3S**±.60	**179.4W**±.38	**500**	**3.2b**	**7**	**36-151**
NEIC	V	02 12 59 41.9	21.34S	179.34W	500			**¶97v0269**
EIDC	V	02 12 59 48.8	21.5S	179.4W	573	2.8b		
NEIC	Poor solution.							
ISC	**V**	**03 05 18 32**±1.4	**15.1S**±.59	**176.8W**±.40	**33**	**3.5b**	**6**	**41-84**
EIDC	V	03 05 18 28.0	15.3S	176.7W	0	3.6b		**¶97v0384**
ISC	**V**	**03 14 20 34**±1.9	**16.5S**±.73	**179.4W**±.43	**500**	**3.3b**	**7**	**44-146**
EIDC	V	03 14 20 33.7	16.6S	179.2W	485	2.9b		**¶97v0447**
NEIC	V	03 14 20 34.6	16.45S	179.44W	500			
NEIC	Poor solution.							
ISC	**V**	**03 14 28 07**±2.3	**17.0S**±.90	**179.0W**±.52	**500**	**3.1b**	**5**	**44-147**
EIDC	V	03 14 28 09.4	17.4S	178.7W	526	2.7b		**¶97v0448**
ISC	Poorly determined							
EIDC	**V**	**03 16 07 17.7**	**19.1S**	**178.8W**	**700**	**2.9b**		**33-87**
								¶97v0456
EIDC	**V**	**03 17 20 31.2**	**18.0S**	**175.8E**	**0**	**4.4b**		**34-146**
								¶97v0474
ISC	**V**	**04 05 30 04**±1.2	**19.9S**±.35	**178.0W**±.24	**482**±1.1*	**3.8b**	**19**	**38-158**
NEIC	V	04 05 30 05.1	19.99S	178.00W	500	4.0b		**¶97v0570**
EIDC	V	04 05 30 05.2	20.2S	177.8W	496	3.4b		
NEIC	Poor solution.							
ISC	**V**	**05 01 21 09**±2.5	**19.6S**±.55	**177.7W**±.59	**356**±52	**3.9b**	**13**	**8-159**
EIDC	V	05 01 21 09.4	19.8S	177.4W	361	3.7b		**¶97v0720**
NEIC	V	05 01 21 10.1	19.72S	177.29W	400	4.2b		
NEIC	Poor solution.							
ISC	**V**	**05 17 34 33.9**±.99	**20.5S**±.23	**178.5W**±.19	**500**	**3.6b**	**13**	**37-150**
NEIC	V	05 17 34 37.9	20.52S	178.54W	550	4.0b		**¶97v0823**
EIDC	V	05 17 34 40.9	20.4S	178.6W	570	3.1b		
NEIC	Less reliable solution.							
ISC	**V**	**05 22 29 35.0**±.77	**17.9S**±.19	**177.1W**±.16	**33**	**4.2b**,3.6s	**19**	**6-148**
EIDC	V	05 22 29 30.8	17.8S	176.9W	0	4.2b,3.7s		**¶97v0858**
NEIC	V	05 22 29 34.4	17.93S	176.99W	33	4.5b		
NEIC	Poor solution.							
ISC	**V**	**05 23 26 22**±1.6	**16.9S**±.56	**177.0W**±.37	**33**	**4.1b**	**11**	**35-147**
EIDC	V	05 23 26 19.0	16.9S	177.0W	0	4.1b		**¶97v0866**
NEIC	V	05 23 26 21.7	16.94S	177.00W	33	4.3b		
NEIC	Poor solution.							
EIDC	**V**	**06 03 57 45.9**	**18.7S**	**178.2W**	**0**	**3.5b**		**45-87**
								¶97v0901
EIDC	**V**	**06 06 19 14.0**	**21.3S**	**177.7W**	**0**	**4.0b**		**38-130**
								¶97v0917
ISC	**V**	**06 18 44 28**±1.6	**17.8S**±.45	**178.7W**±.23	**555**±22	**4.1b**	**11**	**8-121**
NEIC	V	06 18 44 26.5	18.11S	178.53W	550			**¶97v0995**
EIDC	V	06 18 44 28.8	17.9S	178.7W	554	3.4b		
NEIC	Poor solution.							
ISC	**V**	**07 11 15 28**±1.6	**15.8S**±.56	**177.7W**±.38	**33**	**3.9b**	**7**	**40-84**
EIDC	V	07 11 15 24.3	15.7S	177.7W	0	3.6b		**¶97v1091**
ISC	**V**	**08 08 06 23**±1.6	**21.1S**±.26	**178.3W**±.21	**598**±22	**4.5b**	**35**	**10-157**
NEIC	V	08 08 06 23.6	21.07S	178.41W	600	4.6b		**¶97v1204**
EIDC	V	08 08 06 24.0	21.0S	178.5W	579	3.8b		
NEIC	Less reliable solution.							
EIDC	**V**	**08 18 52 33.4**	**16.1S**	**178.1W**	**0**	**4.1b**		**40-146**
								¶97v1297
ISC	**V**	**09 07 24 07.8**±.78	**20.5S**±.21	**178.5W**±.18	**450**	**3.5b**	**10**	**37-150**
NEIC	V	09 07 24 07.7	20.55S	178.47W	450			**¶97v1380**
EIDC	V	09 07 24 08.8	20.4S	178.5W	446	3.2b		
NEIC	Single network solution.							
ISC	**V**	**10 02 43 55**±2.0	**17.4S**±.73	**178.3W**±.46	**500**	**3.8b**	**9**	**45-147**
EIDC	V	10 02 43 51.7	17.3S	178.2W	449	3.2b		**¶97v1517**
NEIC	V	10 02 43 54.9	17.46S	178.27W	500	3.8b		
NEIC	Poor solution.							
ISC	**V**	**10 12 41 24**±2.1	**16.6S**±.81	**178.3W**±.47	**33**	**3.7b**	**5**	**45-93**
EIDC	V	10 12 41 19.2	16.9S	178.1W	0	3.7b		**¶97v1600**
ISC	**V**	**10 14 21 12**±1.2	**17.3S**±.50	**178.8W**±.31	**551**	**4.0b**	**14**	**31-147**
EIDC	V	10 14 21 13.0	17.4S	178.7W	551	3.3b		**¶97v1616**
NEIC	V	10 14 21 16.0	17.46S	178.89W	600	4.2b		
NEIC	Poor solution.							
ISC	**V**	**11 05 37 23**±1.5	**15.2S**±.24	**177.5W**±.19	**401**±25	**3.9b**	**14**	**6-83**
NEIC	V	11 05 37 23.0	15.20S	177.48W	400	4.0b		**¶97v1735**
EIDC	V	11 05 37 23.6	15.1S	177.5W	393	3.2b		
NEIC	Less reliable solution.							
EIDC	**V**	**11 08 06 21.3**	**15.4S**	**174.0E**	**17**	**3.3b**		**38-85**
								¶97v1753
ISC	**V**	**12 03 58 43**±1.3	**17.7S**±.44	**178.7W**±.27	**586**±23	**4.2b**	**17**	**8-159**
NEIC	V	12 03 58 43.7	17.80S	178.61W	600	4.4b		**¶97v1887**
EIDC	V	12 03 58 44.0	17.7S	178.7W	584	3.4b		
NEIC	Poor solution.							
ISC	**V**	**12 17 48 51**±1.3	**15.6S**±.24	**176.4W**±.15	**347**±18	**4.2b**	**21**	**5-146**
NEIC	V	12 17 48 51.0	15.59S	176.35W	350	4.1b		**¶97v2018**
EIDC	V	12 17 48 52.0	15.5S	176.4W	344	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**13 11 42 38**±1.2	**17.3S**±.48	**178.9W**±.28	**600**	**3.8b**	**15**	**33-147**
EIDC	V	13 11 42 37.3	17.2S	178.9W	572	3.2b		**¶97v2240**
NEIC	V	13 11 42 38.1	17.29S	178.92W	600	4.0b		
NEIC	Poor solution.							
EIDC	**V**	**14 07 55 31.5**	**17.6S**	**176.2E**	**0**	**4.0b**		**40-60**
								¶97v2410
ISC	**V**	**14 09 05 41.8**±.94	**20.3S**±.28	**178.1W**±.18	**500**	**3.5b**	**8**	**38-89**
EIDC	V	14 09 04 50.4	19.9S	177.4W	0	3.9b		**¶97v2419**
NEIC	V	14 09 05 41.6	20.29S	178.08W	500	4.1b		
NEIC	Less reliable solution.							
EIDC	**V**	**15 01 28 45.7**	**19.0S**	**177.9W**	**582**	**2.9b**		**39-149**
								¶97v2536
ISC	**V**	**15 13 18 16.7**±.41	**14.3S**±.16	**178.0W**±.14	**33**	**4.3b,4.1s**	**42**	**6-161**
EIDC	V	15 13 18 12.4	14.5S	177.7W	0	4.1s,4.2b		**¶97v2623**
NEIC	V	15 13 18 16.6	14.30S	177.96W	33	4.5b		
BJI	V	15 13 18 17.6	14.30S	177.90W	33			
NEIC	Less reliable solution.							
EIDC	**V**	**15 13 54 05.7**	**19.5S**	**176.4W**	**0**	**3.9b**		**46-59**
								¶97v2628
EIDC	**V**	**15 15 44 41.8**	**18.6S**	**178.3W**	**0**	**4.3b**		**38-45**
								¶97v2640
ISC	**V**	**16 16 21 43**±1.0	**17.6S**±.48	**179.1W**±.35	**600**	**3.9b**	**17**	**30-147**
EIDC	V	16 16 21 34.3	17.0S	179.1W	473	3.3b		**¶97v2803**
NEIC	V	16 16 21 43.7	17.24S	179.37W	600	4.4b		
NEIC	Poor solution.							
ISC	**V**	**16 18 38 13**±1.4	**21.50S**±.047	**177.29W**±.054	**208**±14	**4.5b**	**187**	**8-164**
EIDC	V	16 18 38 16.0	21.4S	177.2W	229	4.3b		**¶97v2822**
BJI	V	16 18 38 21.5	21.50S	177.40W	291	4.5b		
NEIC	V	16 18 38 21.5	21.50S	177.40W	291	4.7b		
MOS	V	16 18 38 22.0	21.4S	177.4W	292	4.8b		
ISC	**V**	**17 04 17 57**±1.3	**17.4S**±.43	**178.8W**±.26	**548**±21	**4.1b**	**17**	**8-147**
EIDC	V	17 04 17 57.7	17.2S	178.9W	535	3.3b		**¶97v2880**
NEIC	V	17 04 18 01.4	17.40S	179.01W	600	4.4b		
NEIC	Less reliable solution.							
EIDC	**V**	**17 06 42 24.2**	**19.3S**	**177.9W**	**0**	**3.6b**		**38-87**
								¶97v2893
EIDC	**V**	**19 07 57 50.6**	**17.2S**	**177.2W**	**0**	**3.8b**		**40-147**
								¶97v3219
ISC	**V**	**19 12 15 29.5**±.74	**20.4S**±.12	**177.8W**±.13	**500**	**4.0b**	**20**	**18-150**
NEIC	V	19 12 15 29.9	20.14S	177.99W	500	4.2b		**¶97v3252**
EIDC	V	19 12 15 30.4	20.1S	177.9W	499	3.5b		
NEIC	Poor solution.							
EIDC	**V**	**19 13 48 12.6**	**17.0S**	**176.3W**	**0**	**3.8b**		**41-47**
								¶97v3261
ISC	**V**	**19 23 29 15**±1.5	**21.4S**±.15	**179.1W**±.11	**587**±19	**4.2b**	**48**	**10-157**
EIDC	V	19 23 29 15.1	21.3S	179.1W	576	3.6b		**¶97v3322**
NEIC	V	19 23 29 15.8	21.36S	179.20W	600	4.7b		
MOS	V	19 23 29 17.5	21.4S	179.3W	600	4.9b		
NEIC	Less reliable solution.							
NEIC	**V**	**20 00 14 55.7**	**20.85S**	**178.20W**	**300**	3.9b		**37-150**
EIDC	V	20 00 14 20.9	20.3S	177.6W	0	4.0b		**¶97v3326**
NEIC	Poor solution.							
EIDC	**V**	**20 00 40 16.5**	**19.6S**	**176.0W**	**0**	**3.8b**		**40-47**
								¶97v3329
ISC	**V**	**20 09 48 45**±3.0	**17.8S**±.21	**178.8W**±.17	**638**±39	**4.1b**	**30**	**15-159**
NEIC	V	20 09 48 34.4	17.72S	178.51W	500	4.4b		**¶97v3382**
EIDC	V	20 09 48 39.1	17.6S	178.6W	540	3.4b		
NEIC	Less reliable solution.							
EIDC	**V**	**20 16 26 27.0**	**19.5S**	**177.1W**	**0**	**4.2b**		**35-91**
								¶97v3434
EIDC	**V**	**20 16 38 41.1**	**18.8S**	**177.9W**	**569**	**2.6b**		**45-149**
								¶97v3435
ISC	**V**	**21 01 17 54**±4.3	**13.1S**±.31	**175.5E**±.69	**33**	**4.3b**	**12**	**28-76**
EIDC	V	21 01 17 53.2	12.8S	175.1E	0	4.6b		**¶97v3491**
ISC	**V**	**21 02 52 10.3**±.67	**17.3S**±.27	**179.0W**±.16	**550**	**3.8b**	**14**	**33-122**
NEIC	V	21 02 52 10.1	17.27S	178.97W	550	4.3b		**¶97v3499**
EIDC	V	21 02 52 18.5	17.5S	179.1W	647	3.1b		
NEIC	Less reliable solution.							
EIDC	**V**	**21 08 12 55.9**	**16.3S**	**173.9E**	**0**	**4.3b**		**33-154**
								¶97v3531
ISC	**V**	**21 16 26 27**±1.8	**18.89S**±.045	**175.90E**±.040	**51**±16	**5.1b,5.2s**	**330**	**2-168**
BJI	V	21 16 26 24.5	18.78S	176.29E	38	5.2b,5.6s		**¶97v3581**
NEIC	V	21 16 26 24.7	18.90S	175.95E	33	5.3b,5.2s		
MOS	V	21 16 26 27.2	19.0S	175.7E	33	5.6b,5.3s		
EIDC	V	21 16 26 28.0	18.9S	176.0E	49	4.6b,4.8s		
HRVD	V	21 16 26 28.4±.6	19.00S±.07	175.87E±.06	15			
NEIC	Mw6.0(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c47; Half duration: 2^{s}0. Moment tensor: Scale 10^{17}Nm; M_{rr}−7.82±.42; $M_{\theta\theta}$1.47±.50; $M_{\phi\phi}$6.34±.44; $M_{r\theta}$−4.51±1.22; $M_{r\phi}$−4.93±1.54; $M_{\theta\phi}$0.78±.46. Principal Axes: T 8.6,Plg21°,Azm110°; N 2.2, Plg12°,Azm204°; P −10.7,Plg66°,Azm322°. Best double couple: $M_0$9.7×10^{17}Nm, NP1: ϕ_s180°,δ26°,λ−117°. NP2:ϕ_s30°,δ67°,λ−77°.

EIDC	**V**	**21 19 36 30.3**	**13.5S**	**176.8E**	**0**	**3.6b**		**41-142**
								¶97v3596
ISC	**V**	**22 01 45 39**±2.6	**16.7S**±.75	**176.5E**±.56	**33**	**3.9b**	**7**	**35-156**
EIDC	V	22 01 46 24.2	17.7S	170.5E	0	4.0b		**¶97v3673**
ISC	**V**	**22 17 41 25**±4.4	**18.9S**±.49	**175.8E**±.27	**68**±39	**3.8b**	**14**	**9-147**
EIDC	V	22 17 41 18.4	18.7S	175.8E	0	4.1b		**¶97v3809**
NEIC	V	22 17 41 21.5	18.88S	175.86E	33	3.6b		
NEIC	Poor solution.							
ISC	**V**	**23 13 01 14**±1.2	**17.6S**±.13	**178.3W**±.10	**582**±16	**4.0b**	**46**	**7-159**
NEIC	V	23 13 01 11.7	17.59S	178.38W	550	4.4b		**¶97v3953**
EIDC	V	23 13 01 14.5	17.5S	178.4W	571	3.4b		
NEIC	Less reliable solution.							
EIDC	**V**	**23 22 34 23.5**	**15.1S**	**176.4W**	**0**	**4.0b**		**47-83**
								¶97v4011

EIDC	**V**	**24 14 45 58.9**	**17.0S**	**179.7W**	**0**	**3.5b**	**44-85**	
								¶97v4129
EIDC	**V**	**24 20 02 06.0**	**17.9S**	**176.6W**	**0**	3.8b	**46-148**	
								¶97v4166
EIDC	**V**	**25 06 30 44.6**	**18.2S**	**178.1W**	**0**	**3.9b**	**34-94**	
								¶97v4229
NEIC	**V**	**25 13 32 04.5**	**20.93S**	**178.54W**	**500**	**4.1b**	**30-150**	
EIDC	V	25 13 32 09.4	21.0S	178.7W	535	3.5b	**¶97v4279**	
NEIC	Poor solution.							
ISC	**V**	**25 21 44 50**±2.5	**19.8S**±.96	**178.4W**±.53	**600**	**3.4b**	**5 44-128**	
EIDC	V	25 21 44 52.8	19.7S	178.4W	612	2.8b	**¶97v4321**	
ISC	Poorly determined							
ISC	**V**	**26 01 16 28**±1.6	**19.0S**±.62	**176.6W**±.33	**250**	**3.9b**	**18 35-152**	
NEIC	V	26 01 16 26.9	19.20S	176.53W	250	4.4b	**¶97v4350**	
EIDC	V	26 01 16 28.5	19.5S	176.3W	260	3.6b		
NEIC	Poor solution.							
ISC	**V**	**26 03 43 25**±1.6	**16.3S**±.56	**178.7W**±.37	**33**	**4.1b**	**7 39-85**	
EIDC	V	26 03 43 21.0	16.5S	178.5W	0	3.7b	**¶97v4361**	
ISC	**V**	**26 06 46 05**±2.1	**20.8S**±.47	**178.3W**±.31	**569**±26	**4.2b**	**18 9-158**	
NEIC	V	26 06 46 04.2	20.64S	178.46W	550	4.4b	**¶97v4380**	
EIDC	V	26 06 46 06.4	20.5S	178.5W	567	3.5b		
NEIC	Poor solution.							
EIDC	**V**	**26 10 30 46.9**	**18.7S**	**178.9W**	**0**	**3.5b**	**44-87**	
								¶97v4396
EIDC	**V**	**26 19 14 48.2**	**21.0S**	**176.1W**	**0**	3.7b	**46-151**	
								¶97v4452
ISC	**V**	**26 22 59 45**±1.3	**18.8S**±.40	**175.9E**±.26	**33**	**4.0b**,3.2s	**13 33-147**	
EIDC	V	26 22 59 45.4	18.7S	175.8E	24	3.7b,3.3s	**¶97v4477**	
ISC	**V**	**27 06 47 01.4**±.44	**21.20S**±.085	**178.8W**±.14	**500**	**3.7b**	**30 17-151**	
EIDC	V	27 06 47 04.6	21.1S	178.9W	526	3.3b	**¶97v4525**	
NEIC	V	27 06 47 09.4	21.30S	179.02W	600	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**27 07 44 56.0**±.87	**15.2S**±.26	**179.5W**±.22	**33**	**3.9b**	**7 39-86**	
EIDC	V	27 07 44 52.5	15.1S	179.4W	0	3.9b	**¶97v4532**	
ISC	**V**	**27 08 11 17**±1.1	**17.80S**±.084	**178.5W**±.11	**551**±17	**4.1b**	**28 8-159**	
NEIC	V	27 08 11 17.2	17.72S	178.63W	550		**¶97v4536**	
EIDC	V	27 08 11 17.6	17.7S	178.7W	536	3.7b		
NEIC	Single network solution.							
EIDC	**V**	**27 13 56 14.6**	**18.4S**	**177.1W**	**0**	**3.6b**	**39-86**	
								¶97v4579
EIDC	**V**	**27 22 05 32.5**	**16.8S**	**176.9W**	**0**	3.8b	**46-147**	
								¶97v4616
ISC	**V**	**28 04 33 45**±1.5	**18.4S**±.55	**175.8E**±.34	**33**	**3.9b**	**8 13-146**	
EIDC	V	28 04 33 42.5	18.2S	175.7E	0	3.8b	**¶97v4655**	
NEIC	V	28 04 33 45.4	18.25S	175.70E	33			
NEIC	Poor solution.							
EIDC	**V**	**28 11 54 08.8**	**17.7S**	**179.3W**	**684**	**3.0b**	**38-86**	
								¶97v4712
ISC	**V**	**28 17 04 15**±1.4	**20.17S**±.092	**177.7W**±.13	**521**±20	**4.1b**	**35 8-158**	
NEIC	V	28 17 04 15.3	20.23S	177.66W	528		**¶97v4748**	
EIDC	V	28 17 04 17.0	20.2S	177.7W	537	3.7b		
NEIC	Less reliable solution.							
ISC	**V**	**29 09 41 58**±1.6	**19.6S**±.88	**178.1W**±.42	**492**	**3.9b**	**9 33-158**	
EIDC	V	29 09 41 59.1	19.8S	178.1W	492	3.5b	**¶97v4849**	
EIDC	**V**	**29 15 39 50.6**	**16.5S**	**178.6W**	**0**	**3.7b**	**45-93**	
								¶97v4891
ISC	**V**	**29 19 03 31**±1.1	**19.7S**±.11	**179.1W**±.14	**660**±13	**3.9b**	**25 3-149**	
NEIC	V	29 19 03 34.1	19.62S	179.22W	700	3.9b	**¶97v4916**	
EIDC	V	29 19 03 35.9	19.6S	179.3W	700	3.4b		
NEIC	Less reliable solution.							
ISC	**V**	**29 21 52 30**±1.3	**21.3S**±.39	**179.1W**±.26	**600**	**3.6b**	**15 37-157**	
NEIC	V	29 21 52 30.5	21.26S	179.11W	600		**¶97v4926**	
EIDC	V	29 21 52 30.5	21.2S	179.1W	584	3.1b		
NEIC	Poor solution.							
EIDC	**V**	**30 07 43 41.7**	**16.3S**	**178.2W**	**0**	**4.0b**	**40-62**	
								¶97v4996
EIDC	**V**	**30 10 06 33.9**	**20.6S**	**177.5W**	**0**	**3.5b**	**38-45**	
								¶97v5017
ISC	**V**	**30 12 03 56**±1.6	**17.0S**±.57	**178.2W**±.37	**33**	**4.0b**	**8 32-85**	
EIDC	V	30 12 03 52.0	17.1S	178.1W	0	3.5b	**¶97v5032**	
EIDC	**V**	**30 12 14 08.2**	**18.4S**	**178.6W**	**0**	**3.6b**	**44-68**	
								¶97v5033
ISC	**V**	**30 20 22 41**±1.4	**17.4S**±.56	**178.7W**±.33	**550**	**3.9b**	**10 33-147**	
NEIC	V	30 20 22 41.5	17.45S	178.77W	550		**¶97v5091**	
EIDC	V	30 20 22 41.7	17.4S	178.7W	543	3.3b		
NEIC	Poor solution.							
EIDC	**V**	**31 17 54 45.1**	**18.1S**	**179.5W**	**0**	**3.5b**	**44-60**	
								¶97v5214
ISC	**VI**	**01 14 11 48**±2.3	**17.2S**±.92	**178.6W**±.53	**650**	**3.0b**	**4 45-86**	
EIDC	VI	01 14 11 48.1	17.3S	178.4W	639	2.6b	**¶97vi0097**	
ISC	Poorly determined							
ISC	**VI**	**01 18 17 35**±1.1	**19.1S**±.44	**178.1W**±.29	**650**	**3.9b**	**27 31-151**	
NEIC	VI	01 18 17 23.3	19.24S	177.73W	500	3.3b	**¶97vi0118**	
EIDC	VI	01 18 17 28.2	19.6S	177.6W	555	3.4b		
NEIC	Poor solution.							
ISC	**VI**	**02 10 03 40**±4.6	**15.9S**±.81	**176.8W**±.80	**33**	**3.7b**	**5 46-135**	
EIDC	VI	02 10 03 34.9	16.1S	176.5W	0	3.7b	**¶97vi0222**	
ISC	Poorly determined							
ISC	**VI**	**02 22 01 34.3**±.72	**18.6S**±.21	**176.1E**±.18	**33**	**4.2b**	**34 2-154**	
EIDC	VI	02 22 01 30.7	18.5S	176.1E	0	4.2b	**¶97vi0338**	
NEIC	VI	02 22 01 33.8	18.67S	176.28E	33			
NEIC	Poor solution.							
ISC	**VI**	**03 16 07 24**±1.5	**21.9S**±.51	**179.5W**±.28	**500**	**3.9b**	**12 29-89**	
EIDC	VI	03 16 07 22.5	21.7S	179.5W	468	3.5b	**¶97vi0486**	
EIDC	**VI**	**03 16 09 38.7**	**17.1S**	**179.7W**	**0**	**3.5b**	**44-87**	
								¶97vi0487
ISC	**VI**	**04 10 40 14**±1.6	**18.9S**±.45	**177.5W**±.27	**100**	**3.4b**	**7 45-149**	
EIDC	VI	04 10 40 02.0	19.0S	177.2W	0	3.6b	**¶97vi0601**	
NEIC	VI	04 10 40 13.5	18.94S	177.44W	100			
NEIC	Poor solution.							
ISC	**VI**	**04 14 59 29**±3.0	**18.8S**±.69	**173.5E**±.58	**33**	**4.0b**	**6 32-89**	
EIDC	VI	04 14 59 26.7	18.5S	173.3E	0	4.0b	**¶97vi0629**	
ISC	**VI**	**05 07 57 44**±2.8	**16.9S**±.53	**180.0W**±.56	**33**	**4.4b**	**8 34-93**	
EIDC	VI	05 07 57 39.6	16.9S	179.9W	0	4.4b	**¶97vi0728**	
ISC	**VI**	**05 11 02 00**±1.6	**16.3S**±.93	**178.4W**±.46	**33**	**4.0b**	**6 39-85**	
EIDC	VI	05 11 01 56.7	16.0S	178.5W	0	3.9b	**¶97vi0757**	
ISC	**VI**	**05 14 27 03**±1.1	**17.4S**±.35	**178.1W**±.27	**33**	**3.9b**	**6 39-86**	
EIDC	VI	05 14 26 59.6	17.4S	178.1W	0	3.9b	**¶97vi0786**	
ISC	**VI**	**05 17 17 57**±3.8	**20.4S**±.20	**178.4W**±.24	**649**±47	**3.9b**	**22 14-150**	
EIDC	VI	05 17 17 48.8	20.2S	178.2W	533	3.5b	**¶97vi0809**	
NEIC	VI	05 17 17 53.2	20.30S	178.32W	600	4.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**06 08 47 49**±1.3	**20.5S**±.16	**177.4W**±.21	**33**	**4.0b**	**9 15-87**	
EIDC	VI	06 08 47 44.9	20.4S	177.4W	0	4.0b	**¶97vi0916**	
ISC	**VI**	**06 17 23 25**±1.3	**14.4S**±.27	**177.2W**±.23	**33**	**4.0b**	**5 32-76**	
EIDC	VI	06 17 23 22.6	14.6S	176.8W	0	3.9b	**¶97vi0962**	
ISC	**VI**	**06 22 11 57**±1.6	**21.8S**±.53	**176.6W**±.27	**200**	**3.7b**	**7 35-130**	
EIDC	VI	06 22 12 00.1	21.8S	176.6W	214	3.5b	**¶97vi1003**	
ISC	**VI**	**07 04 41 36**±5.7	**14.5S**±.21	**177.5W**±.15	**69**±51	**4.1b**	**41 6-162**	
EIDC	VI	07 04 41 27.8	14.4S	177.5W	0	4.2b,3.6s	**¶97vi1043**	
NEIC	VI	07 04 41 31.4	14.53S	177.49W	33	4.6b,4.5s		
MOS	VI	07 04 41 32.0	14.3S	177.7W	33	4.8b		
BJI	VI	07 04 41 33.4	14.50S	177.50W	33	5.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**07 11 38 17**±1.3	**17.4S**±.42	**178.9W**±.28	**600**	**3.9b**	**9 33-94**	
NEIC	VI	07 11 38 17.6	17.42S	178.98W	600		**¶97vi1090**	
EIDC	VI	07 11 38 18.4	17.5S	178.9W	600	3.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**07 14 30 59**±2.7	**17.76S**±.093	**178.8W**±.10	**520**±33	**4.4b**	**105 15-159**	
BJI	VI	07 14 30 57.1	17.64S	178.78W	501	4.4b	**¶97vi1108**	
NEIC	VI	07 14 30 57.1	17.66S	178.80W	500	5.1b		
MOS	VI	07 14 30 58.1	17.6S	178.8W	506	5.2b		
EIDC	VI	07 14 30 59.9	17.5S	178.9W	519	3.9b		
EIDC	**VI**	**07 22 40 32.6**	**20.4S**	**176.9W**	**0**	**3.8b**	**39-129**	
								¶97vi1153
ISC	**VI**	**08 08 20 24**±1.4	**19.92S**±.069	**177.6W**±.13	**422**±14	**4.2b**	**39 4-159**	
NEIC	VI	08 08 20 24.0	19.87S	177.66W	424	4.3b	**¶97vi1201**	
EIDC	VI	08 08 20 27.3	19.9S	177.7W	447	3.8b		
MOS	VI	08 08 20 28.9	19.9S	178.5W	420	5.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**09 01 24 25**±1.1	**20.25S**±.099	**179.1W**±.11	**663**±13	**4.1b**	**57 3-165**	
MOS	VI	09 01 24 19.6	20.3S	179.2W	550	4.3b	**¶97vi1307**	
NEIC	VI	09 01 24 20.3	20.20S	178.93W	600	4.4b		
EIDC	VI	09 01 24 22.6	20.3S	178.9W	619	3.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**09 07 44 21**±3.6	**18.0S**±.34	**178.2W**±.23	**624**±47	**4.2b**	**20 15-159**	
NEIC	VI	09 07 44 15.1	17.96S	177.99W	550		**¶97vi1353**	
EIDC	VI	09 07 44 16.0	17.9S	178.0W	540	3.7b		
ISC	**VI**	**09 07 45 26.9**±.71	**17.9S**±.17	**178.0W**±.13	**550**	**4.3b**	**51 15-160**	
NEIC	VI	09 07 45 26.8	17.90S	177.97W	550	4.2b	**¶97vi1354**	
BJI	VI	09 07 45 27.7	17.69S	178.19W	538	4.4b		
EIDC	VI	09 07 45 33.9	18.0S	178.1W	625	3.8b		
NEIC	Less reliable solution.							
EIDC	**VI**	**09 08 29 20.3**	**22.0S**	**177.6W**	**0**	**4.0b**	**38-56**	
								¶97vi1364
ISC	**VI**	**09 08 44 08**±1.6	**19.74S**±.084	**177.89W**±.083	**605**±23	**4.5b**	**140 15-165**	
EIDC	VI	09 08 44 05.1	19.5S	177.8W	556	4.1b	**¶97vi1365**	
NEIC	VI	09 08 44 06.2	19.57S	177.90W	581	4.6b		
MOS	VI	09 08 44 06.6	19.5S	177.9W	584	4.6b		
ISC	**VI**	**09 19 16 23**±1.5	**18.21S**±.075	**178.51W**±.087	**598**±20	**4.2b**	**74 13-152**	
EIDC	VI	09 19 16 14.2	17.9S	178.4W	480	3.9b	**¶97vi1435**	
NEIC	VI	09 19 16 19.0	18.03S	178.51W	550	4.2b		
ISC	**VI**	**09 20 56 27**±2.5	**21.3S**±.11	**178.8W**±.11	**543**±31	**4.1b**	**57 14-157**	
EIDC	VI	09 20 56 26.3	21.1S	178.8W	522	3.6b	**¶97vi1438**	
NEIC	VI	09 20 56 27.6	21.17S	178.89W	550			
NEIC	Less reliable solution.							
EIDC	**VI**	**10 11 29 57.9**	**17.8S**	**178.8W**	**599**	**3.6b**	**14-86**	
								¶97vi1514
ISC	**VI**	**11 10 32 51.0**±.85	**20.5S**±.24	**178.5W**±.18	**550**	**3.5b**	**13 44-150**	
EIDC	VI	11 10 32 50.4	20.5S	178.4W	530	3.2b	**¶97vi1669**	
NEIC	VI	11 10 32 51.0	20.48S	178.49W	550			
NEIC	Poor solution.							
ISC	**VI**	**11 11 53 30.4**±.86	**17.87S**±.044	**178.75W**±.039	**544**±11	**4.9b**	**437 3-167**	
MOS	VI	11 11 53 29.7	17.7S	178.8W	532	5.1b	**¶97vi1685**	
EIDC	VI	11 11 53 31.4	17.8S	178.7W	546	4.3b		
NEIC	VI	11 11 53 32.7	17.81S	178.84W	573	4.9b		
BJI	VI	11 11 53 34.0	17.22S	178.97W	554	4.8b		
HRVD	VI	11 11 53 38.5±.2	17.58S±.02	178.62W±.02	584±1.3			
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c81; Half duration: 1$\tilde{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.87±.04; $M_{\theta\theta}$−1.48±.06; $M_{\phi\phi}$−0.39±.06; $M_{r\theta}$0.40±.06; $M_{r\phi}$−0.69±.06; $M_{\theta\phi}$0.26±.06. Principal Axes: T 2.09,Plg74°,Azm71°; N −0.46, Plg12°,Azm290°; P −1.63,Plg10°,Azm198°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S273°,δ37°,λ69°. NP2:ϕ_S118°,δ56°,λ105°.							
EIDC	**VI**	**11 18 58 32.3**	**16.5S**	**177.5W**	**0**	**3.9b**	**40-46**	
								¶97vi1733
ISC	**VI**	**12 08 01 08**±1.4	**18.4S**±.54	**177.9W**±.34	**500**	**3.7b**	**11 39-95**	
EIDC	VI	12 08 00 17.3	17.7S	177.4W	0	4.0b	**¶97vi1815**	
NEIC	VI	12 08 01 08.1	18.34S	177.90W	500	4.2b		
NEIC	Poor solution.							
ISC	**VI**	**12 10 51 01**±2.8	**21.28S**±.072	**176.66W**±.081	**257**±27	**4.3b**	**141 9-161**	
EIDC	VI	12 10 50 51.8	21.1S	176.5W	160	4.1b	**¶97vi1827**	
NEIC	VI	12 10 50 55.9	21.13S	176.70W	209	4.5b		
BJI	VI	12 10 50 57.3	20.34S	177.02W	187	4.5b		
MOS	VI	12 10 50 58.8	21.1S	176.7W	235	4.4b		
ISC	**VI**	**12 11 31 31**±5.2	**19.6S**±.73	**176.4W**±.50	**400**	**3.8b**	**10 16-59**	
EIDC	VI	12 11 30 50.0	19.4S	175.9W	0	4.3b	**¶97vi1830**	
NEIC	VI	12 11 31 32.6	19.75S	176.54W	400	3.9b		
NEIC	Poor solution.							
ISC	**VI**	**12 15 42 09**±1.5	**17.1S**±.51	**179.1W**±.34	**550**	**3.6b**	**9 38-147**	
EIDC	VI	12 15 42 09.3	17.0S	179.1W	535	3.0b	**¶97vi1868**	
ISC	**VI**	**14 20 59 10.6**±.61	**19.0S**±.16	**177.6W**±.14	**500**	**3.7b**	**40 39-152**	
NEIC	VI	14 20 59 10.4	18.99S	177.54W	500	4.1b	**¶97vi2173**	
EIDC	VI	14 20 59 13.8	18.9S	177.5W	524	3.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**15 00 45 30.9**±.77	**20.39S**±.044	**177.84W**±.046	**499**±9.3	**4.6b**	**233 4-165**	
NEIC	VI	15 00 45 30.9	20.32S	177.87W	502	4.8b	**¶97vi2197**	
BJI	VI	15 00 45 31.1	20.09S	177.84W	501	4.5b		
EIDC	VI	15 00 45 32.4	20.3S	177.9W	505	4.0b		
MOS	VI	15 00 45 34.7	20.3S	178.2W	532	5.1b		
EIDC	**VI**	**15 03 42 24.7**	**19.7S**	**176.1W**	**0**	3.4b	**46-150**	
								¶97vi2232
ISC	**VI**	**15 08 52 50.4**±.93	**18.0S**±.18	**178.3W**±.18	**550**	**3.6b**	**19 32-148**	
NEIC	VI	15 08 52 50.7	17.99S	178.36W	550	3.9b	**¶97vi2267**	
EIDC	VI	15 08 52 50.9	17.9S	178.3W	542	3.1b		
NEIC	Less reliable solution.							
EIDC	**VI**	**15 10 51 09.9**	**15.6S**	**177.1W**	**0**	**4.1b**	**41-94**	
								¶97vi2283
ISC	**VI**	**15 15 57 58**±3.9	**21.6S**±.86	**177.8W**±.73	**350**	**3.4b**	**5 34-91**	
EIDC	VI	15 15 57 57.5	22.0S	177.6W	356	3.3b	**¶97vi2324**	

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**VI**	**15 22 50 26.0**	**13.9S**	**177.4W**	**0**	**4.3b**		**41-144**
								¶97vi2366
ISC	**VI**	**15 23 18 32**±2.5	**17.8S**±.10	**178.7W**±.10	**554**±30	**4.4b**	**146**	**15-159**
EIDC	VI	15 23 18 32.5	17.8S	178.7W	546	3.9b		**¶97vi2373**
NEIC	VI	15 23 18 35.0	17.74S	178.91W	585	4.6b		
BJI	VI	15 23 18 38.6	17.12S	179.37W	580	4.9b		
MOS	VI	15 23 18 45.6	17.4S	179.8E	633	4.9b		
ISC	**VI**	**16 00 12 29**±1.5	**17.2S**±.67	**177.7W**±.48	**33**	**4.0b**	**5**	**40-86**
EIDC	VI	16 00 12 25.1	17.1S	177.7W	0	4.0b		**¶97vi2380**
ISC	**VI**	**16 22 53 18**±1.6	**18.0S**±.55	**177.7W**±.37	**500**	**3.4b**	**8**	**34-160**
NEIC	VI	16 22 53 18.3	18.01S	177.66W	500	4.5b		**¶97vi2520**
EIDC	VI	16 22 53 21.2	18.6S	177.4W	537	3.0b		
NEIC	Poor solution.							
ISC	**VI**	**17 06 35 17**±1.5	**22.0S**±.11	**179.70W**±.077	**616**±22	**4.5b**	**148**	**11-162**
EIDC	VI	17 06 35 14.7	21.7S	179.6W	568	4.0b		**¶97vi2562**
NEIC	VI	17 06 35 16.3	21.93S	179.68W	600	4.6b		
BJI	VI	17 06 35 16.6	22.03S	179.77W	596	4.5b		
MOS	VI	17 06 35 16.7	21.8S	179.7W	601	4.8b		
EIDC	**VI**	**18 06 43 30.8**	**13.4S**	**178.9W**	**0**	**3.6b**		**41-46**
								¶97vi2740
ISC	**VI**	**18 13 44 25**±1.4	**17.4S**±.51	**179.0W**±.35	**600**	**3.8b**	**8**	**35-86**
EIDC	VI	18 13 44 25.0	17.2S	179.0W	584	2.9b		**¶97vi2792**
EIDC	**VI**	**19 03 10 30.4**	**21.1S**	**177.8W**	**0**	**3.8b**		**38-45**
								¶97vi2864
ISC	**VI**	**19 07 34 27**±4.5	**19.4S**±.79	**177.5W**±.73	**33**	**3.8b**	**4**	**45-87**
EIDC	VI	19 07 34 22.5	19.5S	177.3W	0	3.8b		**¶97vi2881**
ISC	Poorly determined							
ISC	**VI**	**19 22 31 44**±1.4	**17.5S**±.56	**179.0W**±.35	**600**	**4.0b**	**8**	**33-87**
NEIC	VI	19 22 31 44.0	17.50S	178.96W	600	4.2b		**¶97vi2965**
EIDC	VI	19 22 31 46.3	17.5S	179.0W	613	3.3b		
NEIC	Poor solution.							
EIDC	**VI**	**21 03 36 40.0**	**19.4S**	**178.7W**	**0**	**3.6b**		**44-149**
								¶97vi3149
ISC	**VI**	**22 00 55 07**±2.9	**20.1S**±.50	**177.9W**±.50	**500**	**3.8b**	**12**	**34-150**
NEIC	VI	22 00 55 05.1	20.32S	177.62W	500	3.7b		**¶97vi3301**
EIDC	VI	22 00 55 11.3	20.2S	177.9W	543	3.3b		
NEIC	Poor solution.							
EIDC	**VI**	**22 09 01 03.7**	**20.5S**	**178.2W**	**0**	**3.8b**		**38-58**
								¶97vi3356
EIDC	**VI**	**22 10 31 34.7**	**17.0S**	**179.2W**	**0**	**3.4b**		**31-85**
								¶97vi3372
ISC	**VI**	**22 12 50 48**±1.6	**16.4S**±.32	**179.7W**±.33	**650**	**3.2b**	**5**	**44-146**
EIDC	VI	22 12 50 50.8	16.4S	179.7W	661	2.7b		**¶97vi3388**
ISC	Poorly determined							
ISC	**VI**	**22 21 26 04**±1.2	**16.04S**±.084	**176.72W**±.073	**365**±13	**4.4b**	**127**	**5-162**
NEIC	VI	22 21 26 03.2	15.96S	176.79W	350	4.6b		**¶97vi3441**
MOS	VI	22 21 26 03.9	15.7S	176.9W	354	4.8b		
EIDC	VI	22 21 26 04.8	15.8S	176.8W	353	4.1b		
ISC	**VI**	**22 22 40 30.7**±.74	**20.6S**±.23	**178.5W**±.16	**500**	**3.7b**	**14**	**37-150**
NEIC	VI	22 22 40 30.6	20.62S	178.53W	500	3.9b		**¶97vi3453**
EIDC	VI	22 22 40 34.3	20.4S	178.7W	528	3.2b		
NEIC	Less reliable solution.							
EIDC	**VI**	**22 23 58 20.9**	**19.5S**	**177.4W**	**0**	**3.8b**		**39-87**
								¶97vi3463
ISC	**VI**	**24 02 37 48**±1.2	**17.9S**±.18	**178.5W**±.13	**601**±16	**4.2b**	**30**	**8-148**
NEIC	VI	24 02 37 47.7	17.93S	178.45W	600	4.3b		**¶97vi3620**
EIDC	VI	24 02 37 49.0	17.7S	178.5W	599	3.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**24 07 05 25**±1.3	**17.8S**±.24	**178.4W**±.16	**583**±19	**3.7b**	**25**	**7-148**
NEIC	VI	24 07 05 23.5	17.35S	178.63W	550	4.3b		**¶97vi3663**
EIDC	VI	24 07 05 27.1	17.0S	178.7W	576	3.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**24 07 47 12**±1.1	**21.9S**±.29	**179.9W**±.23	**600**	**4.0b**	**17**	**29-146**
NEIC	VI	24 07 47 11.9	21.86S	179.92W	600	4.2b		**¶97vi3673**
EIDC	VI	24 07 47 15.1	22.0S	179.9W	631	3.4b		
NEIC	Poor solution.							
EIDC	**VI**	**24 17 39 25.7**	**15.5S**	**176.6W**	**0**	**4.2b**		**41-47**
								¶97vi3758
ISC	**VI**	**24 19 03 10**±1.1	**19.1S**±.28	**178.1W**±.25	**550**	**3.0b**	**6**	**45-149**
EIDC	VI	24 19 03 10.4	19.0S	178.0W	544	2.7b		**¶97vi3769**
ISC	**VI**	**25 06 40 41.2**±.86	**20.8S**±.24	**178.7W**±.19	**600**	**3.5b**	**8**	**37-90**
EIDC	VI	25 06 40 39.9	20.7S	178.6W	568	3.1b		**¶97vi3860**
NEIC	VI	25 06 40 41.2	20.80S	178.72W	600			
NEIC	Less reliable solution.							
ISC	**VI**	**25 12 05 31**±2.0	**20.7S**±.82	**179.1W**±.38	**600**	**3.6b**	**8**	**32-90**
NEIC	VI	25 12 05 30.4	20.73S	179.13W	600			**¶97vi3931**
EIDC	VI	25 12 05 35.7	20.7S	179.3W	653	3.0b		
NEIC	Poor solution.							
ISC	**VI**	**26 04 17 58**±1.1	**18.3S**±.40	**177.8W**±.28	**100**	**4.0b**	**11**	**37-148**
EIDC	VI	26 04 17 48.0	17.6S	178.0W	0	4.0b		**¶97vi4082**
NEIC	VI	26 04 17 58.2	18.29S	177.82W	100	4.3b		
NEIC	Poor solution.							
EIDC	**VI**	**27 03 41 31.3**	**18.7S**	**178.1W**	**587**	**2.8b**		**39-148**
								¶97vi4232
ISC	**VI**	**27 14 40 13**±1.5	**19.3S**±.63	**176.4W**±.37	**33**	**3.7b**	**8**	**40-95**
EIDC	VI	27 14 40 09.6	19.3S	176.3W	0	3.7b		**¶97vi4310**
ISC	**VI**	**28 17 29 58**±1.4	**17.6S**±.48	**178.8W**±.31	**600**	**4.2b**	**13**	**31-159**
NEIC	VI	28 17 29 57.9	17.67S	178.78W	600	4.2b		**¶97vi4510**
EIDC	VI	28 17 30 02.2	17.5S	178.9W	633	3.5b		
NEIC	Poor solution.							
EIDC	**VI**	**28 23 49 10.4**	**19.6S**	**178.7W**	**0**	**3.7b**		**44-88**
								¶97vi4544
ISC	**VI**	**30 07 39 26**±2.0	**20.4S**±.13	**178.4W**±.13	**584**±24	**4.5b**	**84**	**9-160**
EIDC	VI	30 07 39 21.0	20.5S	178.1W	515	4.0b		**¶97vi4726**
MOS	VI	30 07 39 21.4	20.2S	178.4W	504	4.3b		
NEIC	VI	30 07 39 22.9	20.53S	178.27W	550	4.6b		
BJI	VI	30 07 39 28.9	20.02S	179.13W	550	4.4b		
ISC	**VI**	**30 09 47 53**±1.0	**20.1S**±.30	**177.0W**±.19	**199**±1.7*	**3.7b**	**30**	**34-153**
NEIC	VI	30 09 47 52.6	20.17S	176.97W	199	3.8b		**¶97vi4743**
EIDC	VI	30 09 47 54.7	19.8S	177.1W	200	3.6b		
NEIC	Less reliable solution.							

(182) Fiji.

EIDC	**I**	**07 14 55 41.0**	**17.5S**	**178.8E**	**564**	**2.9b**		**37-146**
								¶97i0940
ISC	**I**	**25 21 37 23**±3.5	**18.0S**±.81	**179.5E**±.70	**33**	**3.9b**	**6**	**37-86**
EIDC	I	25 21 37 20.1	17.8S	179.4E	0	3.9b		**¶97i3851**
ISC	**I**	**29 07 02 30.3**±.46	**16.0S**±.10	**179.71E**±.088	**112**±4.8*	**4.5b**	**158**	**2-170**
NEIC	I	29 07 02 29.6	15.70S	179.58E	100	4.8b		**¶97i4316**
EIDC	I	29 07 02 30.9	16.2S	179.9E	122	4.1b		
MOS	I	29 07 02 33.4	15.8S	178.9E	100	5.1b		
BJI	I	29 07 02 33.8	15.79S	178.86E	100	4.9b		
NEIC	Less reliable solution.							
NEIC	Felt strongly at Labasa and on Cikobia.							
ISC	**II**	**01 14 18 17**±3.1	**17.8S**±.95	**179.0E**±.58	**33**	**3.4b**	**5**	**42-89**
EIDC	II	01 14 18 14.6	17.4S	178.9E	0	3.5b		**¶97ii0084**
EIDC	**II**	**05 09 11 28.6**	**18.7S**	**180.0E**	**0**	3.6b		**43-87**
								¶97ii0667
ISC	**II**	**15 20 38 17**±1.2	**16.2S**±.36	**179.0E**±.32	**33**	**4.3b**	**23**	**33-151**
NEIC	II	15 20 38 15.6	16.16S	179.18E	33	4.6b		**¶97ii2289**
EIDC	II	15 20 39 06.0	17.3S	178.8E	513	3.2b		
NEIC	Poor solution.							
EIDC	**II**	**19 01 52 55.0**	**17.2S**	**179.3E**	**0**	**3.7b**		**13-95**
								¶97ii2720
EIDC	**III**	**12 22 02 29.6**	**17.8S**	**178.7E**	**0**	**3.9b**		**42-86**
								¶97iii2593
ISC	**III**	**25 13 18 07**±2.2	**18.8S**±.37	**178.9E**±.36	**650**	**3.9b**	**9**	**31-87**
NEIC	III	25 13 18 07.3	18.67S	178.83E	650	3.9b		**¶97iii4734**
EIDC	III	25 13 18 11.6	18.8S	178.8E	696	3.1b		
NEIC	Poor solution.							
ISC	**III**	**29 00 36 09**±1.5	**18.1S**±.31	**179.2E**±.21	**0**	**4.0b**	**8**	**31-110**
EIDC	III	29 00 36 10.5	18.1S	179.1E	0	4.0b		**¶97iii5511**
ISC	**IV**	**08 08 14 24.4**±.83	**16.2S**±.21	**178.1E**±.19	**33**	**4.1b**	**10**	**12-88**
EIDC	IV	08 08 14 20.7	16.0S	178.0E	0	3.9b		**¶97iv1297**
NEIC	IV	08 08 14 24.3	16.20S	178.06E	33			
NEIC	Less reliable solution.							
ISC	**V**	**31 18 54 25.0**±.44	**16.0S**±.13	**178.0E**±.11	**33**	**4.2b,4.1s**	**54**	**2-156**
EIDC	V	31 18 54 21.8	15.8S	178.1E	0	4.1b,4.0s		**¶97v5222**
NEIC	V	31 18 54 24.0	16.39S	178.22E	33	4.5b		
BJI	V	31 18 54 26.0	16.40S	178.20E	33	5.3b		
NEIC	Less reliable solution.							
EIDC	**VI**	**10 05 40 50.7**	**18.3S**	**179.0E**	**0**	**4.0b**		**36-60**
								¶97vi1483
ISC	**VI**	**15 08 14 56**±4.9	**17.4S**±.40	**180.0E**±.78	**600**	**4.1b**	**16**	**30-158**
EIDC	VI	15 08 14 51.1	17.4S	179.2W	579	3.4b		**¶97vi2264**
NEIC	VI	15 08 14 55.9	17.45S	179.96W	600	4.3b		
NEIC	Poor solution.							
EIDC	**VI**	**17 20 03 16.7**	**17.8S**	**177.0E**	**0**	**4.0b**		**35-41**
								¶97vi2683

SEISMIC REGION 14.
VANUATU (NEW HEBRIDES).

(183) Santa Cruz Islands region.

ISC	**I**	**03 05 17 19**±2.3	**11.0S**±.39	**164.1E**±.52	**200**	**3.8b**	**7**	**29-146**
EIDC	I	03 05 17 19.7	10.9S	164.1E	193	3.6b		**¶97i0326**
ISC	Poorly determined							
EIDC	**I**	**10 00 46 14.4**	**11.0S**	**171.3E**	**0**	**4.1b**		**34-38**
								¶97i1288
EIDC	**I**	**10 05 47 32.1**	**12.1S**	**171.3E**	**0**	**4.3b**		**11-51**
								¶97i1320
EIDC	**I**	**12 13 49 43.2**	**11.8S**	**169.5E**	**0**	**4.2b**		**24-43**
								¶97i1689
EIDC	**I**	**17 15 28 36.1**	**9.9S**	**169.9E**	**0**	**3.8b**		**37-92**
								¶97i2475
ISC	**I**	**20 20 35 45**±2.1	**12.8S**±.50	**164.2E**±.46	**33**	**3.7b**	**5**	**19-86**
EIDC	I	20 20 35 41.8	12.7S	164.3E	0	3.8b,3.9L		**¶97i3078**
ISC	**II**	**12 15 37 45**±1.1	**11.9S**±.30	**170.3E**±.22	**33**	**4.0b**	**10**	**11-94**
EIDC	II	12 15 37 42.1	11.9S	170.2E	0	3.9b		**¶97ii1782**
NEIC	II	12 15 37 45.4	11.90S	170.29E	33	4.3b		
NEIC	Poor solution.							
EIDC	**III**	**14 10 10 13.1**	**10.5S**	**165.0E**	**0**	**3.6b**		**20-83**
								¶97iii2855
EIDC	**IV**	**09 23 16 37.0**	**11.9S**	**169.6E**	**0**	4.0b		**36-121**
								¶97iv1596
EIDC	**IV**	**09 23 38 08.0**	**12.8S**	**169.9E**	**0**	**3.8b**		**36-95**
								¶97iv1599
ISC	**IV**	**13 19 53 53.3**±.19	**10.78S**±.039	**164.26E**±.038	**47**±2.8*	**5.1b,5.2s**	**223**	**4-168**
MOS	IV	13 19 53 51.9	10.6S	164.3E	33	5.7b,5.2s		**¶97iv2291**
NEIC	IV	13 19 53 51.9	10.67S	164.21E	33	5.3b,5.2s		
HRVD	IV	13 19 53 53.0±.3	10.80S±.03	164.37E±.04	22±2.7			
EIDC	IV	13 19 53 53.8	10.8S	164.3E	39	4.6b,4.8L		
BJI	IV	13 19 53 53.9	10.62S	164.24E	45	5.4b,5.2s		
NEIC	Mw5.6(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c82; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.63±.05; $M_{\theta\theta}$1.85±.08; $M_{\phi\phi}$−1.22±.08; $M_{r\theta}$−0.48±.17; $M_{r\phi}$−0.70±.14; $M_{\theta\phi}$1.91±.07. Principal Axes: T 2.92,Plg12°,Azm153°; N −0.67,Plg70°,Azm28°; P −2.25,Plg16°,Azm247°. Best double couple: $M_0$2.6×10^{17}Nm, NP1: ϕ_S290°,δ70°,λ−3°. NP2:ϕ_S20°,δ87°,λ−160°.							
EIDC	**IV**	**22 00 48 11.4**	**11.0S**	**164.5E**	**0**	**3.6b**		**30-96**
								¶97iv3608
ISC	**IV**	**22 20 21 37**±2.0	**10.8S**±.18	**169.3E**±.25	**250**	**4.4b**	**25**	**7-151**
EIDC	IV	22 20 21 33.5	10.9S	169.6E	219	3.8b		**¶97iv3825**
NEIC	IV	22 20 21 48.1	13.09S	166.29E	33	4.6b		
NEIC	Poor solution.							
ISC	**IV**	**23 17 20 50**±4.8	**10.87S**±.089	**164.4E**±.12	**32**±34	**4.0b**,2.8s	**23**	**5-146**
EIDC	IV	23 17 20 45.6	10.9S	164.6E	0	4.0b,2.8s		**¶97iv4002**
NEIC	IV	23 17 20 49.9	10.87S	164.34E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 06 36 36**±1.2	**11.1S**±.48	**164.2E**±.47	**33**	**3.9b**	**8**	**29-146**
EIDC	IV	25 06 36 32.7	11.0S	164.3E	0	3.9b		**¶97iv4301**
ISC	**IV**	**30 07 49 22**±1.3	**12.8S**±.26	**169.3E**±.22	**700**	**3.9b**	**11**	**29-150**
EIDC	IV	30 07 49 18.1	12.7S	169.5E	627	3.1b		**¶97iv5179**
NEIC	IV	30 07 49 22.3	12.78S	169.25E	700	4.3b		
NEIC	Poor solution.							
EIDC	**V**	**01 10 15 00.6**	**11.0S**	**171.9E**	**0**	**4.1b**		**35-153**
								¶97v0080
EIDC	**V**	**06 12 42 40.5**	**11.7S**	**164.9E**	**445**	**3.3b**		**18-39**
								¶97v0963
ISC	**VI**	**05 16 13 48**±2.9	**12.4S**±.70	**169.1E**±.73	**650**	**3.6b**	**6**	**32-150**
EIDC	VI	05 16 13 50.4	12.3S	168.9E	658	2.8b		**¶97vi0799**
ISC	Poorly determined							

(184) Santa Cruz Islands.

ISC	**I**	**02 15 44 39**±3.1	**11.8S**±.24	**166.4E**±.35	**300**	**4.0b**	**13**	**10-148**
NEIC	I	02 15 44 26.8	11.49S	166.71E	200	4.2b		**¶97i0233**
EIDC	I	02 15 44 31.7	11.6S	166.6E	232	3.7b		
NEIC	Poor solution.							
EIDC	**I**	**02 20 47 46.8**	**12.6S**	**165.2E**	**0**	**3.4b**		**10-146**
								¶97i0271
ISC	**I**	**03 04 22 59**±5.7	**12.00S**±.066	**166.2E**±.10	**13**±33	**5.0b**,4.9s	**65**	**6-151**
NEIC	I	03 04 23 01.5	11.98S	166.15E	33	4.9b,4.9s		**¶97i0318**
BJI	I	03 04 23 02.8	11.50S	166.45E	33	5.2b,5.1s		
EIDC	I	03 04 23 06.4	12.1S	166.1E	61	4.3b		
ISC	**I**	**03 06 56 50.1**±.62	**12.02S**±.068	**166.1E**±.12	**33**	**4.5b**	**42**	**7-147**
EIDC	I	03 06 56 48.0	12.1S	166.3E	15	4.3b		**¶97i0338**
NEIC	I	03 06 56 49.2	12.01S	166.15E	33	4.4b		
BJI	I	03 06 56 53.0	11.34S	166.00E	31	4.9b		
NEIC	Less reliable solution.							
ISC	**I**	**03 07 15 53**±7.9	**11.87S**±.090	**166.4E**±.14	**3**±46	**4.4b**	**31**	**7-148**
EIDC	I	03 07 15 54.0	11.9S	166.2E	0	4.3b		**¶97i0341**
NEIC	I	03 07 15 57.4	11.86S	166.34E	33	4.3b		
BJI	I	03 07 16 01.9	11.35S	166.31E	39	5.0b		
NEIC	Less reliable solution.							
ISC	**I**	**03 12 40 16**±6.8	**11.98S**±.074	**166.3E**±.13	**13**±39	**4.8b,4.2s**	**55**	**7-148**
EIDC	I	03 12 40 18.2	12.0S	166.3E	17	4.3b,4.1s		**¶97i0372**
NEIC	I	03 12 40 18.7	11.95S	166.21E	33	4.9b,4.5s		
BJI	I	03 12 40 20.9	11.32S	166.52E	33	5.0b,5.1s		
NEIC	Less reliable solution.							
ISC	**I**	**04 10 13 25**±1.9	**11.91S**±.077	**165.9E**±.10	**69**±17	**4.3b**	**36**	**6-147**
BJI	I	04 10 13 21.6	11.90S	166.10E	44	4.9b		**¶97i0522**
NEIC	I	04 10 13 21.6	11.93S	166.09E	44	4.5b		
EIDC	I	04 10 13 23.1	11.9S	166.1E	43	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**05 17 01 29**±1.4	**12.8S**±.16	**167.2E**±.23	**200**	**4.0b**	**12**	**9-148**
EIDC	I	05 17 01 07.3	12.6S	167.3E	0	4.0b		**¶97i0690**
NEIC	I	05 17 01 19.2	12.59S	167.08E	100	4.2b		
NEIC	Poor solution.							
ISC	**I**	**06 05 21 40**±1.4	**12.10S**±.056	**166.64E**±.052	**244**±14	**4.7b**	**225**	**6-170**
MOS	I	06 05 21 30.7	11.9S	166.7E	156	5.3b		**¶97i0752**
BJI	I	06 05 21 32.0	11.68S	166.93E	170	5.1b		
NEIC	I	06 05 21 32.2	11.98S	166.71E	175	5.0b		
EIDC	I	06 05 21 33.3	12.1S	166.9E	179	4.4b		
ISC	**I**	**08 00 06 25**±1.4	**12.1S**±.49	**167.0E**±.30	**300**	**3.4b**	**9**	**33-148**
EIDC	I	08 00 06 25.3	11.8S	166.9E	283	3.3b		**¶97i0994**
ISC	**I**	**12 11 45 19**±1.8	**12.2S**±.54	**166.7E**±.50	**184**	**3.8b**	**9**	**21-151**
EIDC	I	12 11 45 21.7	12.1S	166.6E	184	3.5b		**¶97i1674**
ISC	**I**	**19 18 19 22**±4.0	**11.98S**±.090	**166.0E**±.20	**38**±31	**4.3b**,4.6s	**33**	**6-147**
BJI	I	19 18 19 22.5	12.00S	165.95E	45	4.9b		**¶97i2871**
NEIC	I	19 18 19 22.5	11.99S	165.95E	45	4.3b		
EIDC	I	19 18 19 24.5	12.0S	165.9E	47	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**19 21 49 25**±3.3	**11.97S**±.055	**166.26E**±.099	**21**±23	**4.8b,4.9s**	**120**	**6-170**
EIDC	I	19 21 49 22.9	12.1S	166.3E	0	4.6b,4.6s		**¶97i2896**
BJI	I	19 21 49 26.9	11.43S	166.54E	25	5.0b,5.0s		
NEIC	I	19 21 49 27.0	11.97S	166.22E	33	4.9b,4.9s		
MOS	I	19 21 49 27.9	11.9S	166.0E	33	5.4b		
HRVD	I	19 21 49 30.8±.3	12.02S±.03	165.76E±.03	15			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c54; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.27±.03; $M_{\theta\theta}$0.11±.05; $M_{\phi\phi}$−1.39±.05; $M_{r\theta}$0.42±.08; $M_{r\phi}$0.21±.12; $M_{\theta\phi}$0.34±.03. Principal Axes: T 1.45,Plg70°,Azm341°; N 0.02, Plg20°,Azm169°; P −1.47,Plg3°,Azm78°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S149°, δ46°,λ62°. NP2:ϕ_S7°,δ51°,λ116°.

ISC	**I**	**19 23 08 24**±2.5	**12.00S**±.085	**166.2E**±.14	**44**±21	**4.4b**	**34**	**6-151**
EIDC	I	19 23 08 19.6	12.0S	166.1E	0	4.3b		**¶97i2901**
BJI	I	19 23 08 22.5	12.10S	166.20E	33	5.1b		
NEIC	I	19 23 08 22.5	12.07S	166.19E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**I**	**19 23 41 14.4**±.50	**11.97S**±.048	**166.3E**±.10	**20**	**4.7b,4.6s**	**81**	**6-170**
NEIC	I	19 23 41 14.5	11.91S	166.18E	20	4.9b,4.8s		**¶97i2907**
EIDC	I	19 23 41 15.1	12.0S	166.4E	18	4.4b,4.3s		
BJI	I	19 23 41 15.5	11.61S	165.95E	12	5.1b,5.1s		
MOS	I	19 23 41 18.2	11.8S	165.9E	33	5.3b		
HRVD	I	19 23 41 20.1±.5	11.96S±.07	165.79E±.07	23±3.8			
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c28; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}6.44±.29; $M_{\theta\theta}$−0.19±.57; $M_{\phi\phi}$−6.25±.50; $M_{r\theta}$1.99±.76; $M_{r\phi}$0.93±1.04; $M_{\theta\phi}$1.87±.29. Principal Axes: T 7.14,Plg72°,Azm340°; N −0.35, Plg18°,Azm165°; P −6.79,Plg2°,Azm74°. Best double couple: $M_0$7.0×10^{16}Nm, NP1:ϕ_S147°, δ46°,λ65°. NP2:ϕ_S1°,δ49°,λ114°.

ISC	**I**	**19 23 46 54**±2.6	**12.2S**±.10	**165.9E**±.15	**39**±22	**4.0b**	**20**	**6-147**
NEIC	I	19 23 46 53.3	12.16S	165.91E	34			**¶97i2908**
EIDC	I	19 23 46 55.8	12.1S	165.9E	36	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**20 04 36 34**±1.1	**11.4S**±.15	**165.6E**±.18	**33**	**3.6b**	**7**	**7-147**
EIDC	I	20 04 36 37.4	9.2S	163.8E	0	3.7b		**¶97i2941**
ISC	**I**	**20 05 34 23.7**±.63	**11.79S**±.073	**165.6E**±.13	**33**	**4.5b**	**42**	**6-147**
EIDC	I	20 05 34 17.0	12.0S	166.1E	0	4.3b		**¶97i2945**
NEIC	I	20 05 34 21.2	11.97S	166.04E	33	4.5b		
BJI	I	20 05 34 23.5	11.29S	166.21E	32	5.0b		
NEIC	Less reliable solution.							
ISC	**I**	**20 12 33 31.7**±.71	**11.95S**±.085	**165.9E**±.13	**33**	**4.4b**,4.5s	**44**	**6-147**
NEIC	I	20 12 33 31.2	11.94S	165.93E	33	4.4b,4.5s		**¶97i3002**
BJI	I	20 12 33 33.7	11.09S	166.06E	28	4.9b,4.8s		
EIDC	I	20 12 33 35.0	12.1S	165.7E	47	4.0b		
NEIC	Less reliable solution.							
ISC	**I**	**20 13 28 43**±1.9	**11.7S**±.11	**165.8E**±.12	**95**±18	**3.8b**	**17**	**6-147**
EIDC	I	20 13 28 41.5	10.6S	165.1E	40	3.6b		**¶97i3006**
ISC	**I**	**20 17 50 44**±1.3	**12.3S**±.20	**165.9E**±.18	**33**	**3.7b**	**8**	**7-147**
NEIC	I	20 17 50 44.1	12.29S	165.94E	33			**¶97i3052**
EIDC	I	20 17 50 47.3	12.0S	165.8E	40	3.6b		
NEIC	Poor solution.							
ISC	**I**	**20 20 19 06.0**±.87	**12.0S**±.11	**166.1E**±.14	**33**	**3.9b**	**12**	**7-147**
EIDC	I	20 20 19 01.1	12.2S	166.6E	0	4.0b		**¶97i3075**
NEIC	I	20 20 19 07.0	11.85S	165.94E	33			
NEIC	Poor solution.							
ISC	**I**	**22 13 56 42**±1.3	**12.9S**±.22	**167.1E**±.23	**150**	**4.1b**	**12**	**30-148**
NEIC	I	22 13 56 42.1	12.92S	167.04E	150			**¶97i3340**
EIDC	I	22 13 56 45.3	12.9S	166.9E	163	3.6b		
NEIC	Poor solution.							
ISC	**I**	**23 03 28 02**±2.2	**11.1S**±.38	**166.3E**±.47	**33**	**4.0b**	**8**	**21-148**
EIDC	I	23 03 27 57.2	11.1S	166.5E	0	4.0b		**¶97i3431**
NEIC	I	23 03 28 00.4	11.28S	166.53E	33			
NEIC	Poor solution.							
ISC	**I**	**29 23 19 22**±1.6	**12.85S**±.044	**166.30E**±.045	**35**±15	**5.4b,5.8s**	**307**	**7-169**
EIDC	I	29 23 19 15.9	13.0S	166.7E	0	5.0b,5.5s		**¶97i4414**
NEIC	I	29 23 19 20.8	12.90S	166.38E	33	5.5b,6.0s		
BJI	I	29 23 19 21.0	12.76S	166.31E	30	5.7b,5.7s		
MOS	I	29 23 19 24.2	12.2S	166.2E	33	5.9b,5.9s		
HRVD	I	29 23 19 27.7±.1	12.87S±.01	166.26E±.01	36			
NEIC	Mw6.2(HRV), Mw6.0(GS).							

NEIC Moment tensor solution: s35, scale 10^{18}Nm; M_{rr}1.27; $M_{\theta\theta}$−0.38; $M_{\phi\phi}$−0.89; $M_{r\theta}$0.19; $M_{r\phi}$−0.23; $M_{\theta\phi}$0.53. Depth 28km; Principal axes: T 1.31,Plg83°,Azm43°; N −0.05,Plg2°, Azm147°; P −1.26,Plg7°,Azm238°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S330°,δ38°, λ93°. NP2:ϕ_S146°,δ52°,λ88°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s58,c121; Mantle waves: s50,c83; Half duration: 3s1. Moment tensor: Scale 10^{18}Nm; M_{rr}2.03±.01; $M_{\theta\theta}$−0.05±.01; $M_{\phi\phi}$−1.98±.01; $M_{r\theta}$0.45±.03; $M_{r\phi}$0.06±.03; $M_{\theta\phi}$0.65±.01. Principal Axes: T 2.13,Plg77°,Azm348°; N 0.05,Plg13°,Azm162°; P −2.18,Plg1°,Azm253°. Best double couple: $M_0$2.2×10^{18}Nm, NP1:ϕ_S355°,δ45°,λ108°. NP2:ϕ_S150°,δ48°,λ73°.

ISC	**I**	**29 23 31 11.4**±.73	**12.91S**±.075	**166.6E**±.12	**33**	**4.4b**,5.5s	**27**	**7-152**
NEIC	I	29 23 31 11.0	12.90S	166.59E	33	4.7b		**¶97i4417**
EIDC	I	29 23 31 11.1	13.0S	166.6E	22	4.0b,4.5L		
BJI	I	29 23 31 11.2	12.82S	166.45E	26	5.0b,5.5s		
NEIC	Less reliable solution.							
ISC	**I**	**30 03 40 52**±1.2	**13.0S**±.13	**166.5E**±.27	**100**	**4.2b**	**6**	**9-96**
EIDC	I	30 03 40 40.4	13.2S	166.7E	0	4.2b		**¶97i4436**
NEIC	I	30 03 40 51.9	13.02S	166.49E	100			
NEIC	Poor solution.							
ISC	**II**	**06 12 56 34**±2.0	**12.6S**±.47	**167.3E**±.31	**33**	**3.6b**	**5**	**20-96**
EIDC	II	06 12 56 30.5	12.6S	167.4E	0	3.7b		**¶97ii0842**
NEIC	II	06 12 56 33.5	12.64S	167.33E	33			
NEIC	Poor solution.							
ISC	**II**	**11 18 16 45**±2.2	**12.8S**±.71	**167.1E**±.71	**33**	**4.0b**	**5**	**30-96**
EIDC	II	11 18 16 42.0	12.5S	166.9E	0	4.0b		**¶97ii1659**
ISC	**II**	**13 12 58 23**±1.5	**10.92S**±.047	**166.06E**±.056	**80**±14	**4.9b**	**121**	**6-170**
MOS	II	13 12 58 20.4	10.7S	165.9E	49	5.6b		**¶97ii1924**
BJI	II	13 12 58 22.6	10.43S	166.10E	64	5.2b,5.1s		
NEIC	II	13 12 58 22.6	10.78S	165.98E	73	5.0b		
EIDC	II	13 12 58 24.1	10.8S	166.1E	76	4.4b,4.2s		
HRVD	II	13 12 58 26.7±.3	10.93S±.05	165.77E±.04	64±2.6			
NEIC	Mw5.3(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c43; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.30±.37; $M_{\theta\theta}$−1.43±.54; $M_{\phi\phi}$−6.87±.59; $M_{r\theta}$6.52±.48; $M_{r\phi}$0.28±.51; $M_{\theta\phi}$−4.69±.51. Principal Axes: T 11.8,Plg61°,Azm13°; N −1.4, Plg26°,Azm222°; P −10.3,Plg12°,Azm126°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S187°,δ39°,λ47°. NP2:ϕ_S57°,δ62°,λ119°.

ISC	**II**	**14 00 57 15**±1.9	**12.5S**±.56	**166.8E**±.53	**200**	**3.6b**	**8**	**30-148**
EIDC	II	14 00 57 17.4	12.4S	166.8E	208	3.3b		**¶97ii2000**
ISC	**II**	**14 16 37 39**±1.7	**11.4S**±.10	**166.4E**±.12	**141**±16	**4.0b**	**17**	**7-148**
NEIC	II	14 16 37 34.6	11.30S	166.41E	100	4.1b		**¶97ii2084**
EIDC	II	14 16 37 43.1	11.6S	166.5E	173	3.7b		
NEIC	Poor solution.							
ISC	**II**	**22 14 31 19**±2.1	**11.76S**±.072	**166.5E**±.12	**37**±18	**4.7b**	**50**	**6-151**
MOS	II	22 14 31 15.1	12.1S	166.9E	33	4.9b		**¶97ii3217**
NEIC	II	22 14 31 17.5	11.78S	166.51E	33	4.6b		
EIDC	II	22 14 31 17.5	12.6S	167.0E	34	4.4b		
BJI	II	22 14 31 19.0	11.58S	166.46E	35	5.1b		
NEIC	Less reliable solution.							
ISC	**II**	**22 16 48 38**±2.1	**12.5S**±.33	**166.9E**±.31	**33**	**3.8b**	**7**	**20-124**
EIDC	II	22 16 48 33.4	12.5S	167.2E	0	3.8b,3.6L		**¶97ii3225**
ISC	Poorly determined							
ISC	**II**	**24 14 45 52**±1.9	**12.2S**±.30	**166.6E**±.30	**250**	**3.9b**	**7**	**19-118**
EIDC	II	24 14 45 57.2	12.1S	166.4E	281	3.6b		**¶97ii3494**
ISC	**II**	**24 16 58 28**±3.5	**11.60S**±.068	**165.82E**±.076	**16**±25	**5.0b,4.6s**	**109**	**6-170**
MOS	II	24 16 58 29.2	11.8S	165.9E	33	5.3b		**¶97ii3511**
NEIC	II	24 16 58 30.2	11.57S	165.75E	33	4.8b,4.7s		
EIDC	II	24 16 58 31.5	11.8S	165.8E	35	4.5b,4.4s		
BJI	II	24 16 58 31.8	11.50S	165.69E	38	5.1b,5.0s		
HRVD	II	24 16 58 35.9±1.5	11.57S	165.75E	15			
NEIC	Mw5.5(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s8,c11; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.69±.32; $M_{\theta\theta}$0.37±.11; $M_{\phi\phi}$1.32±.38; $M_{r\theta}$−0.54±.28; $M_{r\phi}$−0.43±.23; $M_{\theta\phi}$−0.88±.22. Principal Axes: T 1.85,Plg1°,Azm60°; N 0.10, Plg21°,Azm150°; P −1.95,Plg69°,Azm326°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S129°,δ47°,λ−119°. NP2:ϕ_S349°,δ50°,λ−62°.

ISC	**II**	**27 21 53 59**±1.3	**12.7S**±.11	**166.5E**±.17	**100**	**4.5b**	**26**	**9-148**
EIDC	II	27 21 53 47.5	12.7S	166.7E	0	4.4b		**¶97ii4028**
NEIC	II	27 21 53 58.2	12.78S	166.62E	100	4.3b		
NEIC	Poor solution.							
ISC	**III**	**05 20 14 28**±3.8	**10.93S**±.062	**165.41E**±.061	**24**±28	**4.9b,5.0s**	**126**	**6-170**
EIDC	III	05 20 14 25.8	10.8S	165.6E	0	4.7b,4.8s		**¶97iii1124**
BJI	III	05 20 14 28.5	10.65S	165.80E	33	5.0b,5.0s		
MOS	III	05 20 14 29.5	10.9S	165.4E	33	5.2b		
NEIC	III	05 20 14 29.5	10.91S	165.40E	33	5.1b,5.1s		
HRVD	III	05 20 14 30.2±.6	11.35S±.11	165.44E±.10	34±8.3			
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s14,c17; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.45±.51; $M_{\theta\theta}$−0.47±.99; $M_{\phi\phi}$−4.98±.94; $M_{r\theta}$1.56±1.28; $M_{r\phi}$−5.84±1.72; $M_{\theta\phi}$1.34±.58. Principal Axes: T 8.16,Plg66°,Azm75°; N −0.10,Plg0°,Azm345°; P −8.05,Plg24°,Azm255°. Best double couple: $M_0$8.1×10^{16}Nm, NP1: ϕ_S345°,δ21°,λ90°. NP2:ϕ_S165°,δ69°,λ90°.

ISC	**III**	**06 10 00 16**±6.1	**11.1S**±.14	**165.5E**±.16	**28**±44	**3.8b**	**10**	**6-147**
EIDC	III	06 10 00 13.3	10.9S	165.5E	0	3.9b,3.9L		**¶97iii1244**
NEIC	III	06 10 00 17.2	11.06S	165.44E	33			
NEIC	Poor solution.							
ISC	**III**	**07 03 37 03**±1.1	**11.0S**±.15	**165.7E**±.21	**33**	**4.1b**	**8**	**11-147**
EIDC	III	07 03 37 01.7	11.1S	166.1E	21	4.2b		**¶97iii1423**
ISC	**III**	**07 23 15 37**±4.1	**12.7S**±.10	**166.91E**±.089	**275**±42	**4.1b**	**66**	**20-148**
EIDC	III	07 23 15 33.1	12.6S	166.9E	230	3.9b		**¶97iii1621**
NEIC	III	07 23 15 33.6	12.57S	166.88E	250	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**08 04 25 55**±2.0	**11.13S**±.073	**165.49E**±.089	**54**±18	**4.3b**	**38**	**6-150**
BJI	III	08 04 25 47.8	11.23S	165.75E	7			**¶97iii1664**
MOS	III	08 04 25 52.2	11.3S	165.6E	33	5.1b		
EIDC	III	08 04 25 52.4	11.0S	165.5E	18	4.2b		
NEIC	III	08 04 25 53.0	10.92S	165.32E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**08 04 29 41.5**±.40	**11.03S**±.095	**165.42E**±.099	**33**	**4.3b**	**29**	**11-147**
EIDC	III	08 04 29 37.6	11.0S	165.6E	0	4.2b,4.1s		**¶97iii1666**
MOS	III	08 04 29 40.5	11.6S	165.7E	33	4.8b		
NEIC	III	08 04 29 41.4	10.96S	165.37E	33	4.6b		

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Less reliable solution.						
ISC	**III 13 17 37 43**±2.5	**11.6S**±.11	**165.9E**±.15	**77**±22	**4.1b**	**19**	**6-147**
EIDC	III 13 17 37 34.0	11.5S	166.0E	0	4.1b		**¶97iii2745**
NEIC	III 13 17 37 36.5	11.68S	166.09E	33	4.8b		
BJI	III 13 17 37 42.9	11.13S	165.16E	33	4.7b		
NEIC	Poor solution.						
EIDC	**III 16 22 44 37.1**	**12.7S**	**167.3E**	**0**	**3.8b**		**32-118**
							¶97iii3280
ISC	**III 17 10 13 57**±2.0	**11.86S**±.065	**166.17E**±.094	**59**±17	**4.9b,4.8s**	**51**	**6-151**
BJI	III 17 10 13 52.8	11.81S	166.52E	41	5.1b,5.3s		**¶97iii3359**
MOS	III 17 10 13 53.4	12.0S	166.3E	33	5.5b		
NEIC	III 17 10 13 53.7	11.92S	166.26E	33	4.9b,5.0s		
EIDC	III 17 10 13 55.1	12.0S	166.4E	33	4.3b,4.6s		
ISC	**III 18 22 58 01**±2.2	**11.8S**±.40	**167.6E**±.46	**33**	**3.9b**	**6**	**31-95**
EIDC	III 18 22 57 57.4	11.7S	167.7E	0	3.9b		**¶97iii3600**
ISC	**III 20 02 12 55**±3.0	**11.8S**±.15	**166.1E**±.17	**37**±28	**3.8b**	**9**	**7-147**
EIDC	III 20 02 12 49.9	11.8S	166.4E	0	4.0b,4.4L		**¶97iii3811**
NEIC	III 20 02 12 54.0	11.71S	166.17E	33	3.4b		
NEIC	Poor solution.						
ISC	**III 22 01 56 09**±1.8	**10.8S**±.53	**166.5E**±.51	**33**	**3.9b**	**6**	**22-94**
EIDC	III 22 01 56 05.0	10.9S	166.7E	0	4.0b		**¶97iii4180**
ISC	**III 26 20 25 00**±2.5	**12.6S**±.12	**166.6E**±.18	**117**±21	**4.0b**	**14**	**7-118**
EIDC	III 26 20 24 55.6	12.9S	166.9E	79	3.7b		**¶97iii5070**
NEIC	III 26 20 24 56.7	12.78S	166.76E	100	4.1b		
NEIC	Less reliable solution.						
ISC	**IV 01 12 18 25**±2.4	**12.8S**±.56	**167.6E**±.54	**33**	**3.6b**	**5**	**22-85**
EIDC	IV 01 12 18 19.9	13.1S	168.1E	0	3.6b		**¶97iv0068**
ISC	**IV 02 19 49 35**±2.4	**11.5S**±.56	**166.7E**±.60	**33**	**3.8b**	**6**	**11-84**
EIDC	IV 02 19 49 31.5	11.5S	166.8E	0	3.9b		**¶97iv0300**
ISC	**IV 05 08 19 42**±4.5	**11.63S**±.067	**166.1E**±.11	**15**±31	**4.7b,3.9s**	**45**	**6-151**
EIDC	IV 05 08 19 40.7	11.6S	166.2E	0	4.5b,3.8s		**¶97iv0736**
BJI	IV 05 08 19 44.4	11.69S	166.16E	35	4.8b		
NEIC	IV 05 08 19 44.4	11.60S	166.11E	33	4.8b		
MOS	IV 05 08 19 44.8	11.7S	166.1E	33	5.1b		
NEIC	Less reliable solution.						
ISC	**IV 08 21 18 54**±1.3	**12.4S**±.14	**166.3E**±.20	**33**	**3.7b,**2.8s	**9**	**6-118**
NEIC	IV 08 21 18 52.8	12.56S	166.53E	33	4.0b		**¶97iv1408**
EIDC	IV 08 21 18 54.4	12.7S	166.6E	35	3.5b,2.8s		
NEIC	Poor solution.						
ISC	**IV 11 14 17 37**±1.2	**10.7S**±.13	**165.8E**±.23	**33**	**3.7b**	**7**	**11-147**
EIDC	IV 11 14 17 31.8	10.9S	166.1E	0	3.7b		**¶97iv1916**
NEIC	IV 11 14 17 36.8	10.73S	165.79E	33			
NEIC	Poor solution.						
ISC	**IV 14 02 29 27**±2.1	**12.9S**±.12	**166.0E**±.14	**41**±21	**4.2b**	**13**	**5-152**
EIDC	IV 14 02 29 22.5	12.9S	166.2E	0	4.2b,4.4L		**¶97iv2371**
NEIC	IV 14 02 29 26.3	12.84S	166.00E	33			
NEIC	Single network solution.						
ISC	**IV 15 16 25 06**±1.6	**10.88S**±.099	**166.13E**±.097	**199**±16	**4.0b**	**23**	**6-148**
EIDC	IV 15 16 25 04.3	10.6S	166.0E	174	3.8b		**¶97iv2624**
NEIC	IV 15 16 25 05.9	10.85S	166.10E	200	4.3b		
NEIC	Less reliable solution.						
EIDC	**IV 16 03 41 37.1**	**11.0S**	**166.1E**	**0**	**3.7b**		**31-148**
							¶97iv2681
ISC	**IV 17 14 19 27.3**±.90	**11.7S**±.11	**165.2E**±.15	**33**	**3.9b,**2.5s	**14**	**10-151**
EIDC	IV 17 14 19 23.9	11.7S	165.3E	0	4.0b,2.5s		**¶97iv2918**
NEIC	IV 17 14 19 28.0	11.59S	165.00E	33	4.0b		
NEIC	Poor solution.						
ISC	**IV 19 04 29 09**±1.9	**11.2S**±.56	**166.7E**±.56	**33**	**3.8b**	**5**	**31-95**
EIDC	IV 19 04 29 05.1	11.4S	167.0E	0	3.9b		**¶97iv3153**
ISC	**IV 21 12 02 30**±1.3	**12.60S**±.028	**166.64E**±.030	**66**±12	**6.0b**	**806**	**5-170**
BJI	IV 21 12 02 26.2	12.60S	166.77E	35	6.3b,7.6s		**¶97iv3460**
NEIC	IV 21 12 02 26.4	12.58S	166.68E	33	6.4b,7.9s		
MOS	IV 21 12 02 26.9	12.5S	166.7E	34	6.6b,7.6s		
EIDC	IV 21 12 02 30.6	12.7S	166.7E	59	5.3b,7.3s		
HRVD	IV 21 12 03 08.7±.2	13.21S±.01	166.20E±.01	51±.6			
NEIC	Ms7.9(BRK), Mw7.7(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 8.3±1.6×10^{15}Nm/21						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ75°,λ120°. NP2:ϕ_S294°,δ33°,λ28°. Principal axes: T Plg51°,Azm124°; P Plg24°,Azm247°. Complex earthquake with at least one large event occurring about 26 seconds after small initial onset. Depth and focal mechanism based on largest event.						
NEIC	Moment tensor solution: s36, scale 10^{20}Nm; M_{rr}2.43; $M_{\theta\theta}$0.20; $M_{\phi\phi}$−2.63; $M_{r\theta}$−1.43; $M_{r\phi}$−2.22; $M_{\theta\phi}$−0.61. Depth 28km; Principal axes: T 3.65,Plg64°,Azm138°; N 0.12,Plg12°, Azm22°; P −3.77,Plg22°,Azm287°. Best double couple: $M_0$3.7×10^{20}Nm; NP1:ϕ_S355°,δ25°, λ61°. NP2:ϕ_S207°,δ68°,λ103°.						
NEIC	Mw 7.7 (HRV). Me 7.7 (GS). Local tsunami generated with wave heights up to 3 meters along the coasts of the Solomon and Vanuatu Islands, causing damage to some houses. Minor tsunami recorded on Funafuti, Tuvalu and at Suva, Fiji. Felt at Honiara, Solomon Islands and on Santo, Vanuatu Islands. M_0=7.0×10^{20}Nm (PPT).						
HRVD	Centroid moment tensor solution. Data used: GSN; Mantle waves: s47,c88; Half duration: 14s4. Moment tensor: Scale 10^{20}Nm; M_{rr}2.74±.04; $M_{\theta\theta}$−0.07±.02; $M_{\phi\phi}$−2.66±.03; $M_{r\theta}$−0.75±.05; $M_{r\phi}$−2.50±.06; $M_{\theta\phi}$2.27±.02. Principal Axes: T 4.31,Plg57°,Azm131°; N 0.16, Plg29°,Azm344°; P −4.46,Plg15°,Azm245°. Best double couple: $M_0$4.4×10^{20}Nm, NP1: ϕ_S301°,δ39°,λ40°. NP2:ϕ_S178°,δ66°,λ122°.						
HNR	Mag 7.7, felt at Honiara						
ISC	**IV 21 12 06 34.8**±.55	**12.9S**±.11	**166.5E**±.14	**33**	**5.6b**	**51**	**33-152**
EIDC	IV 21 12 06 30.9	12.9S	166.6E	0	5.6b		**¶97iv3461**
NEIC	IV 21 12 06 34.3	12.88S	166.46E	33	6.1b		
MOS	IV 21 12 06 35.1	12.8S	166.3E	33	6.5b		
NEIC	Less reliable solution.						
ISC	**IV 21 12 57 39**±3.3	**11.0S**±.86	**166.6E**±.77	**33**	**4.0b**	**4**	**34-95**
EIDC	IV 21 12 57 35.1	11.0S	166.7E	0	4.1b		**¶97iv3478**
ISC	Poorly determined						
EIDC	**IV 21 13 48 59.4**	**11.9S**	**165.5E**	**16**	**4.2b**		**10-147**
							¶97iv3494
ISC	**IV 21 17 24 48**±1.7	**13.0S**±.10	**165.9E**±.13	**94**±16	**4.2b**	**16**	**5-147**
EIDC	IV 21 17 24 34.4	13.6S	166.5E	0	4.3b,3.9L		**¶97iv3543**
NEIC	IV 21 17 24 38.6	13.32S	166.32E	33	4.4b		
NEIC	Less reliable solution.						
ISC	**IV 21 21 16 20**±1.1	**12.5S**±.16	**165.7E**±.28	**33**	**3.9b**	**9**	**10-147**
NEIC	IV 21 21 16 20.1	12.47S	165.75E	33			**¶97iv3581**
EIDC	IV 21 21 16 37.8	12.5S	165.6E	171	3.5b		
NEIC	Poor solution.						
EIDC	**IV 22 03 17 58.1**	**12.0S**	**165.4E**	**0**	**3.9b,**2.6s		**6-84**
							¶97iv3629
ISC	**IV 22 07 25 54**±1.0	**12.7S**±.11	**166.5E**±.15	**33**	**4.0b,**3.2s	**18**	**5-148**
EIDC	IV 22 07 25 55.7	12.4S	165.8E	0	4.0b,3.2s		**¶97iv3663**
NEIC	IV 22 07 25 58.9	12.45S	165.75E	33	4.2b		
NEIC	Poor solution.						
ISC	**IV 22 08 41 01**±2.4	**12.97S**±.091	**166.6E**±.14	**38**±20	**4.5b,**3.1s	**24**	**5-148**
EIDC	IV 22 08 40 56.1	13.0S	166.7E	0	4.2b,3.1s		**¶97iv3674**
NEIC	IV 22 08 41 00.2	12.90S	166.50E	33	4.6b		
NEIC	Less reliable solution.						
ISC	**IV 22 13 09 26**±3.3	**12.9S**±.15	**166.1E**±.18	**95**±35	**4.1b**	**27**	**5-147**
EIDC	IV 22 13 09 16.5	12.9S	166.2E	0	4.1b		**¶97iv3738**
NEIC	IV 22 13 09 18.9	12.88S	166.23E	33	4.4b		
NEIC	Less reliable solution.						
ISC	**IV 23 00 15 46**±1.9	**13.0S**±.15	**165.5E**±.27	**33**	**3.9b**	**8**	**9-147**
EIDC	IV 23 00 15 38.6	13.4S	166.3E	0	4.0b		**¶97iv3857**
ISC	**IV 23 09 31 22.2**±.74	**12.8S**±.12	**165.9E**±.11	**33**	**4.3b,**3.0s	**17**	**5-147**
EIDC	IV 23 09 31 17.9	12.8S	166.0E	0	4.2b,3.0s		**¶97iv3928**
NEIC	IV 23 09 31 21.2	13.23S	166.16E	33	4.3b		
NEIC	Less reliable solution.						
ISC	**IV 23 22 57 23**±4.3	**12.78S**±.072	**165.9E**±.11	**18**±30	**4.6b,4.2s**	**70**	**5-152**
BJI	IV 23 22 57 24.6	12.80S	166.00E	33	4.9b,5.1s		**¶97iv4038**
NEIC	IV 23 22 57 24.6	12.83S	166.01E	33	4.9b		
MOS	IV 23 22 57 25.2	12.9S	166.0E	33	5.0b		
EIDC	IV 23 22 57 26.4	12.8S	165.9E	27	4.3b,3.7s		
ISC	**IV 24 14 48 16.3**±.92	**13.0S**±.12	**166.3E**±.15	**33**	**3.9b**	**13**	**5-118**
EIDC	IV 24 14 48 12.3	13.2S	166.5E	0	3.9b		**¶97iv4161**
NEIC	IV 24 14 48 15.8	12.98S	166.39E	33	4.2b		
NEIC	Less reliable solution.						
EIDC	**IV 26 04 06 02.8**	**13.0S**	**166.0E**	**0**	**4.1b**		**29-147**
							¶97iv4463
ISC	**IV 27 13 25 27**±4.8	**12.8S**±.21	**165.8E**±.16	**58**±45	**4.1b**	**16**	**5-97**
EIDC	IV 27 13 25 21.0	12.8S	165.8E	0	4.1b		**¶97iv4729**
NEIC	IV 27 13 25 24.7	12.67S	165.69E	33	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 29 20 47 26**±5.1	**13.0S**±.11	**166.1E**±.17	**21**±35	**4.2b**	**17**	**5-152**
NEIC	IV 29 20 47 28.4	12.88S	166.14E	33	4.5b		**¶97iv5120**
EIDC	IV 29 20 47 31.4	12.8S	166.0E	43	3.9b,4.2L		
NEIC	Less reliable solution.						
ISC	**IV 30 02 46 30**±3.4	**13.0S**±.17	**166.0E**±.16	**86**±35	**4.2b**	**31**	**5-147**
EIDC	IV 30 02 46 19.4	13.0S	166.2E	0	4.3b		**¶97iv5153**
BJI	IV 30 02 46 31.0	12.90S	166.10E	100	4.4b		
NEIC	IV 30 02 46 31.0	12.98S	166.09E	100	4.4b		
NEIC	Less reliable solution.						
ISC	**V 01 18 50 45**±4.4	**11.9S**±.49	**165.7E**±.83	**33**	**3.7b**	**4**	**30-83**
EIDC	V 01 18 50 44.7	11.5S	165.2E	0	3.9b		**¶97v0137**
ISC	Poorly determined						
ISC	**V 03 17 16 15**±1.6	**12.62S**±.076	**167.06E**±.073	**250**±16	**4.3b**	**69**	**5-152**
EIDC	V 03 17 16 13.2	12.6S	167.1E	221	3.9b		**¶97v0472**
NEIC	V 03 17 16 20.4	12.56S	166.89E	300	4.5b		
NEIC	Less reliable solution.						
ISC	**V 04 00 00 58**±1.0	**12.9S**±.14	**166.1E**±.16	**33**	**3.7b**	**8**	**5-147**
EIDC	V 04 00 00 56.8	12.2S	165.5E	0	3.8b		**¶97v0525**
ISC	**V 07 00 10 57**±3.6	**10.8S**±.13	**166.2E**±.11	**192**±34	**4.0b**	**28**	**11-150**
EIDC	V 07 00 10 49.0	10.6S	166.3E	106	3.9b		**¶97v1035**
NEIC	V 07 00 10 52.9	10.61S	166.15E	150	4.2b		
NEIC	Less reliable solution.						
ISC	**V 07 16 01 09**±2.1	**10.8S**±.12	**165.2E**±.12	**63**±20	**3.7b**	**13**	**5-147**
EIDC	V 07 16 01 02.2	10.8S	165.5E	0	3.8b,2.9s		**¶97v1120**
NEIC	V 07 16 01 05.3	10.90S	165.37E	33			
NEIC	Less reliable solution.						
ISC	**V 08 22 02 38**±1.4	**12.9S**±.31	**166.0E**±.22	**33**	**4.0b,**2.8s	**13**	**5-147**
NEIC	V 08 22 02 37.4	13.06S	166.02E	33			**¶97v1316**
EIDC	V 08 22 02 48.8	13.1S	165.9E	116	3.8b,2.9s		
NEIC	Poor solution.						
ISC	**V 14 05 05 50**±1.8	**12.0S**±.41	**166.9E**±.44	**33**	**3.8b**	**6**	**31-148**
EIDC	V 14 05 05 46.0	11.9S	167.0E	0	3.9b		**¶97v2393**
NEIC	V 14 05 05 49.9	11.97S	166.89E	33			
NEIC	Poor solution.						
ISC	**V 14 16 47 58**±1.6	**11.1S**±.23	**165.1E**±.20	**33**	**3.4b**	**8**	**5-147**
EIDC	V 14 16 47 55.0	11.1S	165.3E	0	3.5b,4.1L		**¶97v2488**
NEIC	V 14 16 47 58.3	11.08S	165.15E	33			
NEIC	Poor solution.						
EIDC	**V 18 01 40 27.3**	**11.9S**	**167.4E**	**0**	**3.7b**		**22-84**
							¶97v3013
EIDC	**V 18 04 54 59.4**	**12.1S**	**165.4E**	**0**	3.9b		**10-147**
							¶97v3027
ISC	**V 18 11 57 44**±1.0	**12.9S**±.13	**166.0E**±.13	**33**	**4.2b,**3.0s	**17**	**5-152**
EIDC	V 18 11 57 39.7	12.9S	166.1E	0	3.9b,3.0s		**¶97v3075**
NEIC	V 18 11 57 44.6	12.81S	165.86E	33	4.4b		
NEIC	Poor solution.						
EIDC	**V 24 22 32 08.4**	**12.8S**	**166.4E**	**0**	**3.9b**		**9-147**
							¶97v4179
EIDC	**V 25 02 58 53.3**	**12.5S**	**165.5E**	**0**	3.8b		**32-147**
							¶97v4211
EIDC	**V 26 02 30 34.8**	**13.0S**	**168.0E**	**0**	**3.7b**		**33-119**
							¶97v4355
ISC	**V 26 04 57 11**±2.4	**11.12S**±.086	**166.28E**±.078	**189**±23	**4.3b**	**61**	**11-150**
MOS	V 26 04 57 03.3	10.9S	166.3E	114	4.9b		**¶97v4366**
EIDC	V 26 04 57 07.2	11.0S	166.4E	142	4.1b		
NEIC	V 26 04 57 12.6	10.98S	166.18E	200	4.6b		
BJI	V 26 04 57 15.3	10.56S	165.62E	181	4.7b		
ISC	**VI 09 17 32 12**±1.6	**11.4S**±.20	**166.7E**±.18	**33**	**4.0b**	**9**	**7-148**
NEIC	VI 09 17 32 11.8	11.36S	166.65E	33			**¶97vi1425**
EIDC	VI 09 17 32 20.7	11.1S	166.3E	89	3.8b,3.9L		
NEIC	Poor solution.						
ISC	**VI 17 22 44 16**±1.1	**13.0S**±.12	**166.5E**±.16	**33**	**4.3b**	**14**	**9-85**
EIDC	VI 17 22 44 13.2	12.7S	166.3E	0	4.1b		**¶97vi2700**
NEIC	VI 17 22 44 16.9	12.84S	166.36E	33	4.4b		
NEIC	Poor solution.						
ISC	**VI 21 13 52 09**±1.5	**9.9S**±.17	**165.6E**±.24	**33**	**3.6b**	**6**	**12-147**
EIDC	VI 21 13 52 03.3	10.5S	166.3E	0	3.6b		**¶97vi3229**
ISC	**VI 25 04 38 26**±1.5	**12.31S**±.060	**166.64E**±.071	**108**±13	**4.7b**	**84**	**6-152**
BJI	VI 25 04 38 25.0	12.18S	166.61E	91	5.0b		**¶97vi3848**
NEIC	VI 25 04 38 25.2	12.26S	166.66E	100	5.0b		
EIDC	VI 25 04 38 27.2	12.3S	166.7E	103	4.2b		
MOS	VI 25 04 38 30.6	12.3S	166.5E	142	4.6b		
ISC	**VI 28 14 50 22**±2.5	**12.9S**±.59	**165.4E**±.60	**33**	**3.7b**	**5**	**29-147**
EIDC	VI 28 14 50 17.8	13.0S	165.7E	0	3.7b		**¶97vi4488**
ISC	Poorly determined						
ISC	**VI 29 22 16 26**±2.5	**10.8S**±.16	**165.8E**±.19	**151**±23	**3.8b**	**10**	**6-150**
EIDC	VI 29 22 16 07.9	11.2S	166.6E	0	4.0b		**¶97vi4671**
NEIC	VI 29 22 16 21.6	10.60S	165.71E	100			
NEIC	Less reliable solution.						

(185) Vanuatu (New Hebrides) region.

ISC	**I**	**20 05 38 13**±5.0	**19.4S**±.11	**167.7E**±.15	**0**±32	**4.4b**	**45**	**2-159**
EIDC	I	20 05 38 14.5	19.5S	167.8E	0	4.3b		**¶97i2946**
NEIC	I	20 05 38 19.1	19.27S	167.59E	33	4.3b		
NEIC	Poor solution.							
EIDC	**I**	**23 02 22 45.4**	**13.6S**	**169.8E**	**0**	**4.1b**		**4-35**
								¶97i3424
ISC	**I**	**23 08 38 16.5**±.82	**15.9S**±.20	**171.8E**±.16	**33**	**4.2b**	**13**	**8-97**
EIDC	I	23 08 38 12.2	16.0S	172.0E	0	4.1b		**¶97i3467**
NEIC	I	23 08 38 16.5	15.87S	171.83E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**23 21 24 46**±5.8	**19.6S**±.70	**165.3E**±.53	**150**	**4.1b**	**7**	**3-29**
EIDC	I	23 21 24 24.6	19.4S	166.2E	0	4.3b,4.2L		**¶97i3552**
ISC	**II**	**04 12 41 16**±2.4	**14.0S**±.24	**170.1E**±.18	**641**±32	**4.0b**	**15**	**9-151**
NEIC	II	04 12 41 13.0	13.95S	170.22E	600	4.5b		**¶97ii0522**
EIDC	II	04 12 41 14.4	13.8S	170.1E	600	3.2b		
NEIC	Less reliable solution.							
ISC	**III**	**09 00 37 47**±1.6	**13.8S**±.24	**170.3E**±.27	**650**	**4.0b**	**9**	**9-151**
NEIC	III	09 00 37 36.7	13.45S	170.38E	500	4.1b		**¶97iii1873**
EIDC	III	09 00 37 51.2	13.7S	170.0E	681	3.1b		
NEIC	Poor solution.							
ISC	**IV**	**01 00 25 04**±2.6	**14.0S**±.60	**170.5E**±.56	**500**	**3.8b**	**17**	**32-147**
EIDC	IV	01 00 24 13.6	13.2S	171.0E	0	4.1b		**¶97iv0002**
NEIC	IV	01 00 25 03.9	13.92S	170.41E	500	4.2b		
NEIC	Poor solution.							
ISC	**IV**	**06 06 08 47**±3.6	**19.0S**±.85	**173.0E**±.74	**33**	**3.9b**	**4**	**31-89**
EIDC	IV	06 06 08 44.7	18.7S	172.8E	0	3.9b		**¶97iv0942**
ISC	Poorly determined							
ISC	**IV**	**10 13 37 36**±6.9	**20.6S**±.88	**171.3E**±.70	**33**	**4.0b**	**6**	**29-57**
EIDC	IV	10 13 37 31.8	20.4S	171.4E	0	3.9b		**¶97iv1701**
ISC	**IV**	**14 12 59 37**±1.1	**19.7S**±.47	**174.5E**±.22	**33**	**4.0b**,2.9s	**10**	**4-89**
EIDC	IV	14 12 59 33.1	19.8S	174.5E	0	3.9b,3.3s		**¶97iv2463**
EIDC	**IV**	**16 12 52 46.0**	**14.1S**	**171.7E**	**0**	**4.3b**		**33-44**
								¶97iv2759
ISC	**IV**	**17 13 18 04**±1.7	**13.6S**±.40	**172.0E**±.40	**33**	**3.8b**	**8**	**33-94**
EIDC	IV	17 13 18 01.0	13.5S	172.0E	0	3.9b		**¶97iv2911**
NEIC	IV	17 13 18 03.8	13.52S	171.94E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**20 01 07 34**±2.2	**19.7S**±.91	**173.4E**±.53	**33**	**3.8b**	**4**	**31-94**
EIDC	IV	20 01 07 29.9	19.7S	173.5E	0	3.9b		**¶97iv3257**
ISC	Poorly determined							
ISC	**IV**	**21 13 07 15**±1.0	**14.0S**±.10	**164.4E**±.20	**33**	**4.1b**	**21**	**8-95**
EIDC	IV	21 13 07 16.2	14.2S	164.8E	44	3.9b		**¶97iv3481**
ISC	**IV**	**22 17 34 21**±2.2	**14.8S**±.40	**164.0E**±.45	**550**	**3.5b**	**6**	**27-145**
EIDC	IV	22 17 34 21.2	14.8S	164.1E	537	2.9b		**¶97iv3796**
EIDC	**IV**	**27 18 01 49.2**	**20.6S**	**173.2E**	**0**	**3.4b**		**36-83**
								¶97iv4770
EIDC	**V**	**16 14 22 14.5**	**13.6S**	**170.7E**	**0**	**3.6b**		**36-147**
								¶97v2787
ISC	**V**	**21 13 46 52.2**±.86	**14.59S**±.096	**170.17E**±.075	**634**±13	**4.4b**	**65**	**4-154**
NEIC	V	21 13 46 49.4	14.54S	170.24E	600	4.6b		**¶97v3563**
BJI	V	21 13 46 49.9	14.27S	169.87E	578	4.3b		
EIDC	V	21 13 46 50.7	14.5S	170.3E	605	3.6b		
MOS	V	21 13 46 50.8	14.6S	170.2E	611	4.5b		
EIDC	**V**	**23 04 46 18.1**	**19.3S**	**171.8E**	**24**	**3.8b**		**26-35**
								¶97v3888
EIDC	**V**	**29 17 56 34.6**	**18.7S**	**167.0E**	**0**	**4.0b**		**2-31**
								¶97v4907
EIDC	**V**	**30 14 48 58.2**	**13.0S**	**171.3E**	**0**	**3.8b**		**33-38**
								¶97v5051
EIDC	**VI**	**06 16 50 43.1**	**13.3S**	**169.7E**	**615**	**3.0b**		**34-77**
								¶97vi0961
EIDC	**VI**	**10 23 27 04.8**	**19.7S**	**167.9E**	**0**	**4.0b**		**32-102**
								¶97vi1583
EIDC	**VI**	**17 08 05 53.2**	**19.5S**	**174.0E**	**0**	**3.8b**		**37-58**
								¶97vi2574
ISC	**VI**	**24 13 51 02**±2.1	**20.4S**±.73	**173.6E**±.40	**33**	**3.6b**,3.0s	**10**	**7-152**
EIDC	VI	24 13 51 03.4	19.1S	172.9E	0	3.1s,3.4b		**¶97vi3719**
ISC	**VI**	**24 16 17 13**±1.2	**20.76S**±.036	**174.15E**±.041	**61**±10	**5.0b**	**263**	**6-166**
NEIC	VI	24 16 17 09.4	20.70S	174.18E	33	5.2b,5.5s		**¶97vi3746**
MOS	VI	24 16 17 09.5	20.7S	174.1E	33	5.9b,5.6s		
BJI	VI	24 16 17 10.9	20.59S	174.29E	45	5.0b,5.5s		
HRVD	VI	24 16 17 13.1±.1	20.60S±.01	174.45E±.02	15			
EIDC	VI	24 16 17 17.8	20.7S	174.1E	95	4.5b,5.1s		
NEIC	Mw5.9(GS), Mw5.9(HRV).							

NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}−0.07; $M_{\theta\theta}$−7.73; $M_{\phi\phi}$7.81; $M_{r\theta}$−0.29; $M_{r\phi}$0.54; $M_{\theta\phi}$0.48. Depth 26km; Principal axes: T 7.86,Plg4°,Azm272°; N −0.10,Plg86°, Azm123°; P −7.76,Plg2°,Azm2°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S47°,δ86°,λ1°. NP2:ϕ_S317°,δ89°,λ176°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c112; Mantle waves: s6,c13; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.12±.06; $M_{\theta\theta}$−6.29±.06; $M_{\phi\phi}$6.41±.09; $M_{r\theta}$−0.42±.21; $M_{r\phi}$1.50±.18; $M_{\theta\phi}$−1.88±.06. Principal Axes: T 7.02,Plg12°,Azm262°; N −0.45,Plg78°,Azm90°; P −6.57,Plg2°,Azm352°. Best double couple: $M_0$6.8×10^{17}Nm, NP1:ϕ_S37°,δ80°,λ7°. NP2:ϕ_S306°,δ83°,λ170°.

ISC	**VI**	**30 09 10 05**±2.0	**19.6S**±.49	**173.4E**±.33	**33**	**3.8b**	**4**	**37-94**
EIDC	VI	30 09 10 02.0	19.6S	173.4E	0	3.8b		**¶97vi4738**
ISC	Poorly determined							

(186) Vanuatu (New Hebrides).

ISC	**I**	**01 21 22 51.1**±.80	**17.8S**±.14	**168.0E**±.14	**33**	**3.7b**	**22**	**0-153**
EIDC	I	01 21 22 47.8	17.7S	167.9E	0	3.7b		**¶97i0121**
NEIC	I	01 21 22 52.9	17.54S	167.64E	33	4.1b		
NEIC	Poor solution.							
ISC	**I**	**02 17 44 42**±1.6	**14.15S**±.077	**166.5E**±.10	**49**±15	**4.5b**,4.2s	**65**	**4-153**
EIDC	I	02 17 44 36.1	14.1S	166.8E	0	4.3b,4.2s		**¶97i0256**
NEIC	I	02 17 44 39.6	14.16S	166.64E	33	4.7b		
BJI	I	02 17 44 40.7	13.84S	166.62E	27	4.7b		
NEIC	Less reliable solution.							
ISC	**I**	**02 18 20 20**±3.3	**14.17S**±.053	**166.71E**±.081	**15**±23	**5.0b,5.0s**	**175**	**4-153**
EIDC	I	02 18 20 17.6	14.2S	166.9E	0	4.8b,4.9s		**¶97i0259**
NEIC	I	02 18 20 20.8	14.17S	166.84E	33	5.1b,4.9s		
BJI	I	02 18 20 21.4	14.14S	166.96E	33	5.1b,5.1s		
MOS	I	02 18 20 22.1	14.2S	166.6E	33	5.5b		
HRVD	I	02 18 20 25.4±.3	14.03S±.06	166.24E±.05	18			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c40; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.04; $M_{\theta\theta}$−0.10±.05; $M_{\phi\phi}$−0.92±.05; $M_{r\theta}$0.77±.11; $M_{r\phi}$0.10±.13; $M_{\theta\phi}$0.45±.04. Principal Axes: T 1.45,Plg61°,Azm345°; N −0.30, Plg28°,Azm148°; P −1.14,Plg7°,Azm242°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S0°, δ45°,λ132°. NP2:ϕ_S129°,δ58°,λ56°.

ISC	**I**	**02 19 09 46**±3.5	**14.2S**±.18	**166.4E**±.20	**60**±37	**4.0b**	**13**	**4-147**
EIDC	I	02 19 09 39.2	14.1S	166.7E	0	4.1b		**¶97i0262**
NEIC	I	02 19 09 42.9	14.17S	166.58E	33			
NEIC	Poor solution.							
ISC	**I**	**02 19 24 33.1**±.58	**14.19S**±.059	**166.7E**±.11	**26**	**4.6b,4.3s**	**93**	**4-153**
EIDC	I	02 19 24 29.4	14.3S	166.8E	0	4.5b,4.1s		**¶97i0264**
BJI	I	02 19 24 32.4	14.39S	166.66E	26	4.9b		
NEIC	I	02 19 24 33.1	14.18S	166.78E	33	4.6b		
EIDC	**I**	**02 20 54 02.2**	**15.8S**	**165.3E**	**0**	**4.0b**		**27-31**
								¶97i0272
ISC	**I**	**02 22 14 09**±1.0	**14.2S**±.13	**166.5E**±.15	**100**	**3.8b**	**10**	**4-120**
EIDC	I	02 22 13 57.0	14.2S	166.7E	0	4.0b		**¶97i0280**
NEIC	I	02 22 14 01.2	14.34S	166.56E	33			
NEIC	Poor solution.							
ISC	**I**	**03 05 37 43**±1.5	**14.3S**±.16	**166.7E**±.21	**37**	**3.9b**	**6**	**8-86**
EIDC	I	03 05 37 45.9	13.8S	166.2E	37	3.7b		**¶97i0330**
ISC	**I**	**04 01 09 03**±5.9	**19.7S**±.51	**169.0E**±.88	**33**	**4.4b**	**6**	**27-63**
EIDC	I	04 01 08 58.7	19.8S	169.2E	0	4.4b		**¶97i0455**
ISC	**I**	**07 17 28 45**±5.1	**17.9S**±.27	**169.7E**±.51	**33**	**4.0b**	**7**	**1-149**
EIDC	I	07 17 28 51.7	17.8S	168.5E	0	3.9b		**¶97i0953**
ISC	**I**	**09 08 29 30.3**±.83	**17.60S**±.047	**168.31E**±.057	**100**±7.4	**4.7b**	**93**	**0-151**
EIDC	I	09 08 29 30.3	17.5S	168.3E	94	4.3b		**¶97i1192**
BJI	I	09 08 29 30.5	17.04S	168.77E	95	4.6b		
NEIC	I	09 08 29 31.2	17.69S	168.32E	108	4.9b		
HRVD	I	09 08 29 31.4±.7	17.68S±.05	168.36E±.07	119±3.1			
MOS	I	09 08 29 31.8	17.7S	168.2E	105	5.0b		
NEIC	Mw5.4(HRV), Less reliable solution.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c28; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.51±.39; $M_{\theta\theta}$9.52±.67; $M_{\phi\phi}$−7.01±.63; $M_{r\theta}$−5.97±.46; $M_{r\phi}$−6.53±.50; $M_{\theta\phi}$6.01±.71. Principal Axes: T 15.0,Plg25°,Azm157°; N −3.2, Plg47°,Azm37°; P −11.8,Plg32°,Azm264°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S298°,δ48°,λ−6°. NP2:ϕ_S32°,δ85°,λ−137°.

ISC	**I**	**11 04 07 23**±2.8	**13.6S**±.15	**167.8E**±.36	**33**	**4.0b**	**13**	**4-146**
EIDC	I	11 04 07 16.2	13.7S	168.3E	0	4.0b		**¶97i1458**
ISC	**I**	**12 21 00 42**±4.7	**20.3S**±.18	**170.5E**±.52	**33**	**4.2b**	**9**	**3-146**
EIDC	I	12 21 00 52.4	20.6S	168.9E	0	4.0b		**¶97i1741**
ISC	**I**	**15 17 28 35**±5.3	**14.9S**±.37	**167.9E**±.52	**150**	**4.6b**	**12**	**3-47**
								¶97i2183
ISC	**I**	**16 02 44 42.4**±.88	**16.23S**±.087	**167.5E**±.13	**100**	**4.2b**	**23**	**2-147**
EIDC	I	16 02 44 30.0	16.4S	167.8E	0	4.1b,3.6s		**¶97i2246**
NEIC	I	16 02 44 44.5	15.82S	167.10E	100	4.5b		
BJI	I	16 02 44 45.2	15.85S	167.08E	99	5.1b		
NEIC	Poor solution.							
ISC	**I**	**16 16 42 19**±3.5	**14.2S**±.24	**167.9E**±.17	**192**±40	**3.8b**	**20**	**8-154**
NEIC	I	16 16 42 01.1	14.06S	168.21E	33	4.0b		**¶97i2338**
EIDC	I	16 16 42 07.2	14.2S	168.3E	70	3.8b		
NEIC	Less reliable solution.							
ISC	**I**	**17 22 57 49**±1.8	**14.8S**±.11	**167.3E**±.13	**131**±19	**4.4b**	**103**	**3-154**
NEIC	I	17 22 57 51.0	14.81S	167.32E	150	4.7b		**¶97i2554**
EIDC	I	17 22 57 52.3	14.9S	167.3E	146	4.0b		
BJI	I	17 22 57 53.0	14.80S	167.00E	150	4.6b		
NEIC	Less reliable solution.							
ISC	**I**	**18 19 08 59**±1.1	**14.5S**±.10	**167.0E**±.15	**33**	**4.2b**	**39**	**3-148**
EIDC	I	18 19 08 52.1	15.0S	167.8E	0	4.3b		**¶97i2706**
NEIC	I	18 19 08 56.4	15.08S	167.71E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**20 20 58 13.8**±.97	**19.05S**±.072	**168.91E**±.096	**171**±8.4	**4.6b**	**52**	**2-152**
NEIC	I	20 20 57 56.3	18.96S	169.45E	33	4.7b		**¶97i3080**
EIDC	I	20 20 58 14.6	19.1S	169.0E	166	3.8b		
NEIC	Less reliable solution.							
EIDC	**I**	**21 02 04 57.8**	**13.7S**	**167.8E**	**0**	4.0b		**33-149**
								¶97i3121
ISC	**I**	**21 14 01 09**±2.3	**17.3S**±.18	**168.3E**±.25	**33**±16	**4.0b**	**8**	**0-89**
EIDC	I	21 14 01 08.3	16.5S	167.8E	0	4.0b		**¶97i3190**
ISC	**I**	**23 06 11 59**±3.1	**13.2S**±.81	**168.2E**±.65	**100**	**4.1b**	**10**	**22-153**
NEIC	I	23 06 11 58.6	13.40S	168.35E	100	4.0b		**¶97i3446**
EIDC	I	23 06 12 04.8	13.2S	168.3E	134	3.8b		
NEIC	Poor solution.							
ISC	**I**	**23 08 42 42**±2.3	**18.2S**±.50	**169.3E**±.40	**33**	**4.5b**	**8**	**22-89**
EIDC	I	23 08 42 38.8	18.1S	169.3E	0	4.0b		**¶97i3470**
NEIC	I	23 08 42 41.8	18.17S	169.28E	33	4.1b		
NEIC	Poor solution.							
ISC	**I**	**23 16 24 40**±1.1	**18.6S**±.12	**169.2E**±.14	**246**±8.3	**4.4b**	**25**	**1-149**
NEIC	I	23 16 24 34.5	18.50S	169.35E	200	4.7b		**¶97i3526**
EIDC	I	23 16 24 38.3	18.6S	169.2E	219	3.8b		
NEIC	Less reliable solution.							
EIDC	**I**	**25 02 52 32.9**	**18.4S**	**170.0E**	**0**	**3.9b**		**5-81**
								¶97i3726
ISC	**I**	**25 11 04 48**±1.0	**16.11S**±.056	**167.96E**±.071	**181**±9.6	**4.6b**	**158**	**2-168**
MOS	I	25 11 04 45.5	16.0S	168.0E	151	5.0b		**¶97i3795**
NEIC	I	25 11 04 48.0	16.09S	167.95E	181	4.9b		
BJI	I	25 11 04 48.9	15.81S	168.19E	187	4.8b		
EIDC	I	25 11 04 49.0	16.1S	168.0E	176	4.2b		
ISC	**I**	**25 11 33 08**±1.4	**18.0S**±.11	**167.5E**±.20	**33**	**3.9b**	**14**	**1-147**
NEIC	I	25 11 33 08.6	17.68S	167.36E	33	4.0b		**¶97i3802**
EIDC	I	25 11 33 22.7	18.3S	167.4E	150	3.6b		
NEIC	Poor solution.							
NEIC	Felt at Port-Vila.							
ISC	**I**	**26 14 41 12**±4.0	**17.21S**±.069	**167.80E**±.076	**5**±25	**4.8b,4.9s**	**171**	**1-167**
BJI	I	26 14 41 14.5	16.79S	167.60E	11	5.0b,5.3s		**¶97i3952**
MOS	I	26 14 41 14.7	17.3S	168.0E	33	5.3b		
NEIC	I	26 14 41 16.6	17.18S	167.77E	38	5.0b,4.9s		
EIDC	I	26 14 41 18.2	17.3S	167.8E	38	4.3b,4.9s		
HRVD	I	26 14 41 20.5±.3	17.28S±.05	167.67E±.04	19±2.6			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c42; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.04; $M_{\theta\theta}$0.00±.06; $M_{\phi\phi}$−1.00±.06; $M_{r\theta}$0.47±.13; $M_{r\phi}$−0.86±.16; $M_{\theta\phi}$0.12±.04. Principal Axes: T 1.44,Plg66°,Azm49°; N −0.06, Plg11°,Azm163°; P −1.38,Plg22°,Azm257°. Best double couple: $M_0$1.4×10^{17}Nm, NP1:ϕ_S7°, δ25°,λ116°. NP2:ϕ_S159°,δ67°,λ78°.

ISC	**I**	**27 01 12 27**±3.3	**18.0S**±.26	**167.8E**±.22	**112**±37	**4.0b**	**25**	**4-150**
NEIC	I	27 01 12 38.2	17.91S	167.38E	200	4.3b		**¶97i4028**
EIDC	I	27 01 12 39.2	17.8S	167.3E	184	3.6b		
NEIC	Poor solution.							
ISC	**I**	**31 03 51 50**±1.7	**18.72S**±.055	**169.09E**±.054	**209**±16	**4.8b**	**271**	**4-167**
BJI	I	31 03 51 49.4	18.18S	169.13E	186	5.0b		**¶97i4584**
NEIC	I	31 03 51 49.9	18.66S	169.06E	200	5.0b		
MOS	I	31 03 51 52.3	18.1S	169.3E	200	5.1b		
EIDC	I	31 03 51 56.4	18.8S	169.1E	260	4.4b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**II**	**01 06 43 53.3**	**20.3S**	**169.4E**	**0**	3.9b		**33-148**
								¶97ii0033
ISC	**II**	**03 05 11 52**±1.7	**18.5S**±.18	**169.0E**±.12	**221**±17	**4.6b**	**43**	**4-151**
EIDC	II	03 05 11 57.9	18.5S	168.9E	268	4.0b		**¶97ii0324**
NEIC	II	03 05 11 59.9	18.51S	168.78E	300	4.4b		
NEIC	Less reliable solution.							
ISC	**II**	**03 15 25 05**±2.0	**19.7S**±.30	**169.5E**±.29	**33**	**4.1b**	**13**	**4-148**
EIDC	II	03 15 25 01.8	19.6S	169.5E	0	4.1b		**¶97ii0395**
NEIC	II	03 15 25 04.8	19.75S	169.58E	33	4.5b		
NEIC	Poor solution.							
ISC	**II**	**06 23 56 54**±3.7	**17.5S**±.58	**168.7E**±.37	**268**±52	**3.8b**	**28**	**5-153**
NEIC	II	06 23 56 35.4	17.37S	169.01E	100	4.7b		**¶97ii0919**
EIDC	II	06 23 56 42.7	17.3S	168.8E	149	3.5b		
NEIC	Poor solution.							
EIDC	**II**	**09 10 47 46.4**	**13.1S**	**167.5E**	**0**	**3.7b**		**30-85**
								¶97ii1298
EIDC	**II**	**12 23 05 54.0**	**16.4S**	**167.7E**	**0**	**3.9b**		**1-148**
								¶97ii1831
ISC	**II**	**14 21 26 31**±3.9	**14.9S**±.25	**168.1E**±.15	**77**±40	**3.9b**	**18**	**3-149**
EIDC	II	14 21 26 22.7	14.8S	168.4E	0	4.0b		**¶97ii2117**
NEIC	II	14 21 26 26.0	14.77S	168.26E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**II**	**14 23 32 33.1**±.81	**19.02S**±.055	**169.44E**±.073	**262**±7.9	**4.3b**	**85**	**2-151**
BJI	II	14 23 32 31.6	18.97S	169.54E	252	4.5b		**¶97ii2135**
NEIC	II	14 23 32 31.8	19.03S	169.48E	250	4.5b		
EIDC	II	14 23 32 36.1	19.1S	169.5E	286	3.9b		
NEIC	Less reliable solution.							
ISC	**II**	**15 16 58 32.4**±.49	**13.83S**±.078	**169.0E**±.10	**33**	**4.3b,4.2s**	**38**	**4-154**
EIDC	II	15 16 58 28.4	13.7S	169.0E	0	4.3b,3.9s		**¶97ii2266**
MOS	II	15 16 58 31.7	13.9S	169.1E	33	4.6b		
NEIC	II	15 16 58 32.3	13.74S	168.95E	33	4.6b,4.5s		
BJI	II	15 16 58 34.0	13.60S	168.63E	19	4.8s		
NEIC	Less reliable solution.							
ISC	**II**	**16 10 57 26**±2.4	**20.8S**±.14	**169.4E**±.22	**77**±15	**4.3b**	**37**	**3-152**
EIDC	II	16 10 57 16.4	20.8S	169.7E	0	4.4b		**¶97ii2365**
NEIC	II	16 10 57 28.2	20.72S	169.43E	100	4.8b		
MOS	II	16 10 57 28.7	21.1S	169.5E	100	5.0b		
NEIC	Less reliable solution.							
ISC	**II**	**17 22 36 23**±3.8	**14.9S**±.38	**166.7E**±.33	**33**	**4.1b**	**8**	**3-147**
EIDC	II	17 22 36 11.6	14.5S	167.6E	0	4.3b		**¶97ii2560**
NEIC	II	17 22 36 19.0	14.86S	167.13E	33	4.3b		
NEIC	Poor solution.							
ISC	**II**	**20 16 43 12**±1.9	**14.2S**±.17	**167.0E**±.28	**33**	**4.0b**	**6**	**4-148**
EIDC	II	20 16 43 07.0	14.3S	167.3E	0	4.1b		**¶97ii2953**
ISC	**II**	**21 04 33 36**±2.9	**15.2S**±.21	**167.4E**±.14	**118**±32	**4.0b**	**47**	**3-151**
EIDC	II	21 04 33 33.4	15.3S	167.6E	87	3.9b		**¶97ii3015**
NEIC	II	21 04 33 33.7	15.24S	167.48E	100			
NEIC	Less reliable solution.							
ISC	**II**	**21 11 35 15**±2.3	**15.2S**±.17	**167.4E**±.15	**148**±22	**3.9b**	**33**	**3-150**
EIDC	II	21 11 34 58.1	14.9S	167.6E	0	4.1b		**¶97ii3063**
NEIC	II	21 11 35 10.9	14.89S	167.10E	100			
NEIC	Poor solution.							
EIDC	**II**	**21 20 20 06.2**	**17.9S**	**171.0E**	**0**	**4.1b**		**3-35**
								¶97ii3117
ISC	**II**	**21 23 36 51**±2.6	**15.9S**±.18	**168.3E**±.43	**193**±21	**4.1b**	**17**	**2-76**
EIDC	II	21 23 37 26.0	16.2S	166.4E	419	3.6b		**¶97ii3138**
ISC	**II**	**24 18 19 42**±3.0	**13.2S**±.15	**167.1E**±.10	**220**±33	**4.2b**	**60**	**9-153**
BJI	II	24 18 19 39.9	13.15S	167.10E	200	4.4b		**¶97ii3521**
NEIC	II	24 18 19 40.0	13.10S	167.08E	200	4.4b		
EIDC	II	24 18 19 40.1	13.2S	167.2E	190	3.9b		
MOS	II	24 18 19 42.3	13.3S	167.1E	222	4.7b		
NEIC	Less reliable solution.							
EIDC	**II**	**26 02 51 26.5**	**17.1S**	**169.0E**	**0**	3.7b		**1-149**
								¶97ii3734
EIDC	**II**	**26 14 46 03.8**	**17.4S**	**170.1E**	**0**	**4.2b**		**2-150**
								¶97ii3807
ISC	**II**	**27 15 16 15.9**±.93	**14.4S**±.13	**166.6E**±.12	**33**	**4.1b**	**35**	**4-150**
EIDC	II	27 15 16 12.0	14.4S	166.8E	0	4.2b		**¶97ii3977**
NEIC	II	27 15 16 16.6	14.29S	166.43E	33	4.3b		
NEIC	Poor solution.							
EIDC	**III**	**01 04 35 11.4**	**14.0S**	**165.8E**	**33**	**3.9b**		**4-147**
								¶97iii0045
ISC	**III**	**03 08 05 33**±1.0	**19.9S**±.46	**169.1E**±.22	**309**	**3.5b**	**6**	**19-97**
EIDC	III	03 08 05 34.7	19.9S	169.1E	309	3.3b		**¶97iii0516**
ISC	**III**	**03 21 40 49**±1.3	**14.84S**±.072	**167.44E**±.095	**160**±11	**4.6b**	**101**	**3-154**
BJI	III	03 21 40 42.8	14.60S	167.40E	100	5.1b		**¶97iii0697**
NEIC	III	03 21 40 42.8	14.57S	167.36E	100	4.8b		
EIDC	III	03 21 40 46.2	14.8S	167.5E	123	4.4b		
MOS	III	03 21 40 56.9	14.7S	167.0E	217	4.9b		
NEIC	Less reliable solution.							
EIDC	**III**	**04 14 40 08.3**	**16.3S**	**168.6E**	**0**	**3.7b**		**6-88**
								¶97iii0865
ISC	**III**	**05 13 55 54**±1.3	**13.50S**±.042	**166.44E**±.040	**41**±12	**5.3b,5.3s**	**387**	**4-169**
EIDC	III	05 13 55 50.2	13.6S	166.6E	10	5.1b,5.0s		**¶97iii1071**
NEIC	III	05 13 55 52.1	13.38S	166.45E	33	5.5b,5.3s		
MOS	III	05 13 55 52.9	13.4S	166.4E	33	6.0b		
BJI	III	05 13 55 53.3	13.10S	166.90E	32	5.5b,5.1s		
HRVD	III	05 13 55 55.9±.3	13.51S±.06	166.24E±.05	31±3.7			
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.06; $M_{\theta\theta}$0.01±.09; $M_{\phi\phi}$−1.03±.09; $M_{r\theta}$−0.35±.15; $M_{r\phi}$−1.53±.20; $M_{\theta\phi}$0.50±.07. Principal Axes: T 1.99,Plg57°,Azm119°; N −0.10,Plg18°,Azm359°; P −1.89,Plg26°,Azm260°. Best double couple: $M_0$1.9×10^{17}Nm, NP1:ϕ_S315°,δ24°,λ42°. NP2:ϕ_S185°,δ74°,λ109°.							
NEIC	**III**	**07 10 00 44.9**	**18.81S**	**168.83E**	**150**			**1-148**
EIDC	III	07 10 00 46.8	18.7S	168.9E	149	3.4b		**¶97iii1496**
NEIC	Poor solution.							
EIDC	**III**	**09 16 43 45.2**	**13.5S**	**167.7E**	**0**	**3.6b**		**34-94**
								¶97iii2023
ISC	**III**	**15 04 10 55**±1.4	**17.5S**±.14	**167.7E**±.26	**33**	**3.9b**	**7**	**5-148**
EIDC	III	15 04 10 51.5	17.5S	167.8E	0	4.0b		**¶97iii2995**
ISC	**III**	**19 17 17 27.9**±.41	**19.08S**±.063	**169.51E**±.069	**33**	**4.8b**,4.7s	**71**	**2-150**
EIDC	III	19 17 17 25.2	19.0S	169.4E	0	4.6b		**¶97iii3737**
NEIC	III	19 17 17 27.8	19.02S	169.46E	33	4.9b,4.7s		
BJI	III	19 17 17 33.5	19.23S	169.06E	53	4.6b		
MOS	III	19 17 17 33.7	18.4S	168.6E	33	5.4b		
NEIC	Less reliable solution.							
ISC	**III**	**21 22 47 09**±1.4	**18.8S**±.13	**169.2E**±.20	**227**±9.6	**3.8b**	**18**	**1-148**
NEIC	III	21 22 46 55.1	18.66S	169.46E	100	4.9b		**¶97iii4148**
EIDC	III	21 22 47 07.4	18.7S	169.3E	195	3.5b		
NEIC	Poor solution.							
EIDC	**III**	**22 07 02 44.0**	**14.2S**	**167.5E**	**0**	**3.8b**		**29-148**
								¶97iii4217
ISC	**III**	**22 09 03 44**±1.5	**19.04S**±.090	**168.6E**±.16	**49**±12	**4.1b**,3.3s	**28**	**1-151**
NEIC	III	22 09 03 43.6	18.79S	168.55E	47	4.3b		**¶97iii4236**
EIDC	III	22 09 03 45.2	19.1S	168.6E	43	3.9b,3.3s		
NEIC	Less reliable solution.							
ISC	**III**	**22 14 14 35**±3.9	**14.6S**±.33	**166.8E**±.34	**33**	**4.2b**	**10**	**3-148**
EIDC	III	22 14 14 27.0	14.4S	167.5E	0	4.3b		**¶97iii4280**
ISC	**III**	**23 15 49 42.8**±.97	**19.14S**±.031	**168.66E**±.038	**55**±8.8	**5.2b,5.0s**	**419**	**2-166**
BJI	III	23 15 49 38.6	19.04S	168.82E	26	5.4b,5.1s		**¶97iii4457**
NEIC	III	23 15 49 39.6	19.17S	168.74E	33	5.3b,5.0s		
MOS	III	23 15 49 39.9	19.2S	168.8E	33	5.6b		
EIDC	III	23 15 49 43.0	19.2S	168.8E	51	4.8b,4.8s		
HRVD	III	23 15 49 48.0±.3	19.02S±.03	168.33E±.02	53±1.8			
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c42; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.72±.04; $M_{\theta\theta}$0.91±.09; $M_{\phi\phi}$−2.63±.09; $M_{r\theta}$−0.15±.08; $M_{r\phi}$−0.12±.08; $M_{\theta\phi}$0.00±.05. Principal Axes: T 1.74,Plg80°,Azm171°; N 0.89, Plg10°,Azm0°; P −2.63,Plg2°,Azm270°. Best double couple: $M_0$2.2×10^{17}Nm, NP1:ϕ_S350°, δ44°,λ76°. NP2:ϕ_S190°,δ47°,λ104°.							
EIDC	**III**	**25 00 15 46.5**	**19.2S**	**169.7E**	**0**	**3.9b**		**22-34**
								¶97iii4646
ISC	**III**	**25 03 54 01**±1.3	**14.63S**±.064	**167.25E**±.055	**160**±12	**4.9b**	**148**	**3-169**
MOS	III	25 03 53 57.7	14.6S	167.3E	133	4.8b		**¶97iii4669**
EIDC	III	25 03 53 59.3	14.6S	167.3E	135	4.4b		
NEIC	III	25 03 53 59.5	14.60S	167.29E	150	5.1b		
BJI	III	25 03 53 59.8	14.39S	167.03E	138	4.7b		
ISC	**III**	**27 06 54 49**±7.1	**19.0S**±.12	**168.9E**±.90	**33**	**4.0b**	**11**	**1-33**
EIDC	III	27 06 54 34.1	17.9S	170.0E	0	4.4b		**¶97iii5160**
ISC	**III**	**27 07 53 18**±5.3	**19.3S**±.14	**169.9E**±.53	**55**±21	**4.2b**	**11**	**2-63**
EIDC	III	27 07 53 21.3	18.4S	168.6E	0	4.2b		**¶97iii5169**
ISC	**III**	**28 13 48 38**±2.2	**19.2S**±.16	**169.0E**±.33	**153**±12	**3.7b**	**11**	**2-148**
EIDC	III	28 13 48 20.8	19.0S	169.3E	0	3.8b		**¶97iii5445**
NEIC	III	28 13 48 38.5	18.93S	168.86E	150	4.2b		
NEIC	Poor solution.							
EIDC	**III**	**29 06 52 18.4**	**16.4S**	**166.9E**	**343**	**3.1b**		**2-147**
								¶97iii5552
ISC	**III**	**29 10 57 31**±1.7	**16.8S**±.18	**167.4E**±.15	**33**	**4.2b**,3.6s	**12**	**1-147**
EIDC	III	29 10 57 26.4	16.3S	167.4E	0	4.2b,3.6s		**¶97iii5575**
NEIC	III	29 10 57 31.4	16.62S	167.31E	33	4.3b		
NEIC	Poor solution.							
ISC	**III**	**29 12 13 52**±4.7	**17.2S**±.39	**167.4E**±.27	**46**±56	**4.0b**	**14**	**1-148**
EIDC	III	29 12 13 45.6	17.6S	167.8E	0	4.0b		**¶97iii5583**
NEIC	III	29 12 13 49.9	17.46S	167.54E	33	4.5b		
NEIC	Poor solution.							
ISC	**III**	**30 04 08 52**±1.3	**19.44S**±.094	**168.9E**±.14	**97**±11	**4.0b**	**34**	**2-151**
EIDC	III	30 04 08 41.0	19.2S	169.1E	0	4.1b		**¶97iii5691**
NEIC	III	30 04 08 44.8	19.19S	168.99E	33	4.3b		
NEIC	Less reliable solution.							
EIDC	**III**	**30 04 54 41.1**	**17.7S**	**169.6E**	**0**	**3.8b**,4.4s		**5-124**
								¶97iii5702
ISC	**III**	**30 06 28 09**±2.4	**16.8S**±.28	**167.3E**±.18	**33**	**4.1b**,2.7s	**8**	**1-147**
EIDC	III	30 06 28 13.4	15.7S	166.9E	61	3.8b,2.7s		**¶97iii5710**
EIDC	**III**	**30 20 29 37.3**	**20.4S**	**170.8E**	**0**	3.8b		**34-146**
								¶97iii5800
ISC	**III**	**31 03 22 54**±1.4	**15.0S**±.10	**167.5E**±.13	**144**±13	**3.9b**	**19**	**3-145**
NEIC	III	31 03 22 49.5	15.09S	167.63E	100	4.6b		**¶97iii5838**
EIDC	III	31 03 22 50.5	14.8S	167.4E	92	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**01 14 07 31**±1.2	**16.5S**±.18	**168.3E**±.22	**216**±18	**3.9b**	**60**	**1-152**
BJI	IV	01 14 07 19.3	16.79S	169.03E	150	4.6b		**¶97iv0080**
NEIC	IV	01 14 07 23.4	16.46S	168.45E	150	4.3b		
EIDC	IV	01 14 07 26.1	16.5S	168.4E	162	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**03 00 44 56**±1.4	**16.0S**±.13	**167.8E**±.16	**174**±15	**4.6b**	**38**	**2-151**
NEIC	IV	03 00 44 41.5	16.05S	168.14E	50	5.0b		**¶97iv0356**
EIDC	IV	03 00 44 56.6	16.1S	167.8E	163	3.7b		
NEIC	Less reliable solution.							
EIDC	**IV**	**05 19 19 56.5**	**16.4S**	**167.7E**	**0**	**3.5b**		**1-88**
								¶97iv0834
ISC	**IV**	**07 12 09 09**±1.6	**18.8S**±.12	**168.0E**±.26	**33**	**3.9b**	**8**	**1-32**
EIDC	IV	07 12 09 12.4	18.6S	167.1E	0	3.9b		**¶97iv1154**
EIDC	**IV**	**08 08 04 44.3**	**14.8S**	**168.2E**	**0**	**3.5b**		**33-149**
								¶97iv1293
ISC	**IV**	**09 14 54 13**±1.9	**19.0S**±.38	**169.6E**±.27	**278**±22	**4.3b**	**18**	**4-149**
EIDC	IV	09 14 54 14.0	18.8S	169.4E	272	4.0b		**¶97iv1541**
NEIC	IV	09 14 54 15.1	19.01S	169.50E	300	4.5b		
NEIC	Poor solution.							
ISC	**IV**	**09 16 05 08**±1.6	**20.3S**±.30	**171.0E**±.29	**33**	**3.7b**	**4**	**34-91**
EIDC	IV	09 16 05 04.3	20.2S	171.1E	0	3.7b		**¶97iv1548**
ISC	Poorly determined							
ISC	**IV**	**14 09 25 15**±1.2	**18.5S**±.15	**169.0E**±.19	**228**±9.4	**3.6b**	**14**	**1-148**
NEIC	IV	14 09 25 17.2	18.49S	168.93E	250	4.1b		**¶97iv2430**
EIDC	IV	14 09 25 18.1	18.2S	168.9E	240	3.6b		
NEIC	Poor solution.							
EIDC	**IV**	**14 12 35 28.3**	**14.2S**	**165.8E**	**0**	**3.9b**		**4-98**
								¶97iv2460
EIDC	**IV**	**20 10 34 54.9**	**20.8S**	**170.6E**	**0**	**3.8b**		**28-146**
								¶97iv3298
ISC	**IV**	**20 17 12 46.4**±.62	**15.59S**±.075	**167.1E**±.11	**33**	**4.0b,3.8s**	**54**	**2-149**
EIDC	IV	20 17 12 42.4	15.4S	167.1E	0	4.0b,3.4s		**¶97iv3342**
NEIC	IV	20 17 12 46.4	15.48S	167.04E	33	4.1b		
MOS	IV	20 17 12 47.9	15.2S	166.8E	33	4.8b		
BJI	IV	20 17 12 50.4	15.40S	167.00E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 12 11 29**±3.5	**13.51S**±.044	**166.55E**±.052	**40**±31	**6.1b**,7.3s	**445**	**21-169**
BJI	IV	21 12 11 26.8	13.47S	167.05E	31	6.4b		**¶97iv3463**
EIDC	IV	21 12 11 27.1	13.5S	166.6E	16	5.7b		
NEIC	IV	21 12 11 27.8	13.50S	166.54E	33	6.2b		
MOS	IV	21 12 11 28.1	13.5S	166.6E	33	6.6b		
ISC	**IV**	**21 12 14 39.9**±.60	**13.54S**±.095	**166.6E**±.27	**33**	**5.1b**	**46**	**31-153**
EIDC	IV	21 12 14 36.4	13.5S	166.8E	0	5.1b		**¶97iv3464**
MOS	IV	21 12 14 40.2	13.4S	166.6E	33	5.7b		
NEIC	IV	21 12 14 40.2	13.45S	166.63E	33	5.3b		
NEIC	Poor solution.							
ISC	**IV**	**21 12 15 57.1**±.79	**13.4S**±.11	**166.3E**±.20	**33**	**5.4b**	**49**	**32-152**
EIDC	IV	21 12 15 53.7	13.3S	166.7E	0	5.2b		**¶97iv3465**
MOS	IV	21 12 15 56.8	13.4S	166.3E	33	6.0b		
NEIC	IV	21 12 15 56.8	13.41S	166.34E	33	6.0b		

NEIC	Poor solution.							
ISC	**IV**	**21 12 20 50**±1.3	**13.7S**±.25	**166.7E**±.19	**33**	**5.0b**	**34**	**33-153**
EIDC	IV	21 12 20 46.1	13.8S	166.9E	0	4.8b		**¶97iv3466**
NEIC	IV	21 12 20 50.2	13.60S	166.83E	33	5.7b		
MOS	IV	21 12 20 52.4	13.0S	167.4E	33	5.3b		
NEIC	Poor solution.							
ISC	**IV**	**21 12 23 46**±2.5	**13.6S**±.29	**166.4E**±.40	**33**	**4.7b**	**26**	**31-153**
EIDC	IV	21 12 23 42.2	13.9S	166.6E	0	4.5b		**¶97iv3467**
NEIC	IV	21 12 23 46.2	13.67S	166.46E	33	5.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 12 27 59**±4.8	**13.5S**±.17	**166.0E**±.23	**38**±38	**4.7b**	**13**	**7-152**
NEIC	IV	21 12 27 57.9	13.51S	166.06E	33			**¶97iv3468**
EIDC	IV	21 12 28 03.1	13.5S	165.9E	63	4.2b,4.4L		
NEIC	Poor solution.							
ISC	**IV**	**21 12 28 32**±1.5	**13.57S**±.047	**166.33E**±.064	**58**±14	**5.6b**,7.1s	**254**	**4-169**
BJI	IV	21 12 28 28.2	13.50S	166.40E	33	5.7b		**¶97iv3469**
NEIC	IV	21 12 28 28.2	13.54S	166.43E	33	5.5b		
MOS	IV	21 12 28 28.9	13.5S	166.4E	33	5.8b		
EIDC	IV	21 12 28 32.2	13.7S	166.3E	48	5.1b,5.3L		
ISC	**IV**	**21 12 34 44**±1.8	**13.2S**±.14	**165.8E**±.20	**96**±18	**5.0b**	**19**	**5-152**
NEIC	IV	21 12 34 36.2	13.31S	166.23E	33	5.2b		**¶97iv3471**
EIDC	IV	21 12 34 39.2	13.5S	166.2E	40	4.7b,4.5L		
NEIC	Poor solution.							
ISC	**IV**	**21 12 39 10**±3.1	**13.60S**±.055	**166.37E**±.072	**27**±22	**5.3b**	**168**	**4-169**
NEIC	IV	21 12 39 10.1	13.58S	166.37E	33	5.3b		**¶97iv3472**
BJI	IV	21 12 39 10.8	12.90S	166.39E	16	5.4b		
EIDC	IV	21 12 39 11.3	13.6S	166.4E	27	4.9b,4.7L		
MOS	IV	21 12 39 12.0	13.4S	166.1E	33	5.6b		
NEIC	**IV**	**21 12 41 47.5**	**13.46S**	**167.13E**	**33**			**57-153**
EIDC	IV	21 12 41 43.5	13.6S	167.1E	0	4.6b		**¶97iv3473**
NEIC	Poor solution.							
ISC	**IV**	**21 12 47 13**±1.1	**13.4S**±.18	**166.4E**±.19	**33**	**4.3b**	**9**	**7-147**
NEIC	IV	21 12 47 13.7	13.34S	166.42E	33			**¶97iv3474**
EIDC	IV	21 12 47 16.8	13.4S	166.3E	39	4.2b		
NEIC	Poor solution.							
ISC	**IV**	**21 12 48 40**±1.6	**13.12S**±.058	**166.11E**±.066	**43**±15	**5.0b**	**92**	**5-169**
BJI	IV	21 12 48 37.6	12.69S	166.38E	21	5.2b		**¶97iv3475**
NEIC	IV	21 12 48 37.9	13.14S	166.26E	33	5.3b		
MOS	IV	21 12 48 38.7	13.1S	166.1E	33	5.6b		
EIDC	IV	21 12 48 42.9	13.2S	166.1E	59	4.7b,4.7L		
ISC	**IV**	**21 12 51 30**±2.3	**13.16S**±.070	**166.4E**±.13	**35**±20	**4.8b**	**79**	**7-169**
MOS	IV	21 12 51 28.8	13.3S	166.5E	33	5.5b		**¶97iv3476**
NEIC	IV	21 12 51 29.4	13.22S	166.44E	33	5.1b		
BJI	IV	21 12 51 30.5	12.34S	166.20E	5	5.2b		
EIDC	IV	21 12 51 34.7	13.3S	166.2E	50	4.4b,4.6L		
ISC	**IV**	**21 13 00 27**±3.1	**13.4S**±.12	**166.4E**±.15	**57**±33	**4.7b**	**60**	**5-153**
NEIC	IV	21 13 00 24.1	13.38S	166.52E	33	4.7b		**¶97iv3479**
EIDC	IV	21 13 00 25.1	13.5S	166.6E	28	4.4b		
MOS	IV	21 13 00 25.8	13.3S	166.2E	33	5.0b		
BJI	IV	21 13 00 29.1	13.00S	166.50E	53	4.9b		
ISC	**IV**	**21 13 02 39**±1.0	**13.6S**±.20	**166.6E**±.18	**33**	**4.4b**	**15**	**20-148**
EIDC	IV	21 13 02 39.4	13.5S	166.6E	21	4.3b		**¶97iv3480**
NEIC	IV	21 13 02 39.6	13.55S	166.56E	33			
NEIC	Poor solution.							
ISC	**IV**	**21 13 10 58.7**±.36	**13.31S**±.046	**166.43E**±.069	**36**±3.2*	**5.2b**	**123**	**5-169**
NEIC	IV	21 13 10 57.8	13.23S	166.45E	33	5.4b		**¶97iv3482**
MOS	IV	21 13 10 58.4	13.2S	166.4E	33	5.5b		
BJI	IV	21 13 10 59.2	12.30S	166.88E	17	5.4b		
EIDC	IV	21 13 10 59.7	13.3S	166.5E	36	4.8b		
ISC	**IV**	**21 13 24 10**±3.4	**13.58S**±.057	**166.50E**±.074	**25**±24	**4.9b**	**148**	**4-169**
NEIC	IV	21 13 24 11.0	13.58S	166.55E	33	5.0b		**¶97iv3483**
BJI	IV	21 13 24 11.2	13.37S	166.75E	29	4.9b		
MOS	IV	21 13 24 12.1	13.6S	166.4E	33	5.3b		
EIDC	IV	21 13 24 13.6	13.6S	166.6E	39	4.6b		
ISC	**IV**	**21 13 27 53**±1.7	**13.40S**±.048	**166.64E**±.072	**34**±15	**5.2b**	**207**	**5-169**
EIDC	IV	21 13 27 47.7	13.6S	166.9E	0	5.1b,5.2L		**¶97iv3485**
NEIC	IV	21 13 27 52.1	13.39S	166.68E	33	5.1b		
BJI	IV	21 13 27 52.2	13.14S	165.97E	8	5.7b		
MOS	IV	21 13 27 52.9	13.4S	166.6E	33	5.9b		
ISC	**IV**	**21 13 40 13**±2.8	**13.7S**±.12	**166.3E**±.11	**48**±28	**4.3b**	**40**	**4-147**
EIDC	IV	21 13 40 07.3	13.7S	166.4E	0	4.2b		**¶97iv3490**
NEIC	IV	21 13 40 10.6	13.64S	166.36E	33	4.4b		
BJI	IV	21 13 40 11.2	12.86S	166.45E	2	4.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 13 42 13**±6.2	**13.1S**±.30	**166.0E**±.24	**57**±62	**4.5b**	**16**	**5-105**
EIDC	IV	21 13 42 08.3	14.3S	166.6E	38	4.0b		**¶97iv3491**
NEIC	IV	21 13 42 10.7	13.10S	165.93E	33	4.9b		
NEIC	Poor solution.							
ISC	**IV**	**21 13 45 19**±2.8	**13.4S**±.12	**166.3E**±.14	**77**±29	**4.4b**	**40**	**5-152**
MOS	IV	21 13 45 13.1	13.5S	166.5E	33	5.0b		**¶97iv3493**
NEIC	IV	21 13 45 13.1	13.45S	166.46E	33	5.0b		
BJI	IV	21 13 45 14.1	13.15S	166.92E	36	4.8b		
EIDC	IV	21 13 45 15.4	13.6S	166.7E	48	4.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 13 55 06**±2.5	**13.3S**±.11	**165.6E**±.16	**39**±23	**4.0b**	**10**	**7-147**
EIDC	IV	21 13 55 02.4	13.1S	165.6E	0	4.1b,3.5L		**¶97iv3496**
NEIC	IV	21 13 55 06.1	13.21S	165.51E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 13 56 48**±1.7	**13.27S**±.063	**166.13E**±.099	**56**±15	**4.7b**	**49**	**5-152**
EIDC	IV	21 13 56 42.6	13.1S	166.0E	0	4.6b		**¶97iv3497**
NEIC	IV	21 13 56 45.0	13.25S	166.22E	33	4.9b		
MOS	IV	21 13 56 46.0	13.3S	166.2E	33	5.2b		
BJI	IV	21 13 56 47.9	12.53S	167.06E	43	4.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 14 31 52**±1.4	**13.56S**±.048	**166.41E**±.060	**37**±12	**5.2b**	**155**	**4-153**
EIDC	IV	21 14 31 47.0	13.7S	166.6E	0	5.0b,4.9L		**¶97iv3503**
MOS	IV	21 14 31 50.9	13.5S	166.4E	33	5.1b		
NEIC	IV	21 14 31 50.9	13.52S	166.43E	33	5.1b		
BJI	IV	21 14 31 51.8	12.89S	166.49E	22	5.1b		
ISC	**IV**	**21 14 47 36.1**±.57	**13.65S**±.075	**166.29E**±.094	**33**	**4.3b**	**29**	**4-147**
EIDC	IV	21 14 47 32.5	13.6S	166.3E	0	4.3b		**¶97iv3506**
NEIC	IV	21 14 47 36.3	13.59S	166.24E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 14 50 07.5**±.87	**13.3S**±.12	**166.4E**±.18	**33**	**3.9b**	**15**	**9-152**
EIDC	IV	21 14 50 04.3	13.1S	166.5E	0	3.9b		**¶97iv3507**
NEIC	IV	21 14 50 07.8	13.26S	166.35E	33			
NEIC	Less reliable solution.							
ISC	**IV**	**21 14 51 36**±3.2	**13.0S**±.13	**166.3E**±.22	**78**±36	**4.3b**	**34**	**5-152**
BJI	IV	21 14 51 27.7	12.79S	167.40E	33	4.8b		**¶97iv3508**
NEIC	IV	21 14 51 29.5	13.06S	166.49E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 14 56 33**±1.2	**13.6S**±.14	**166.3E**±.43	**33**	**4.1b**	**7**	**8-147**
EIDC	IV	21 14 56 31.1	13.3S	166.3E	0	4.2b		**¶97iv3509**
NEIC	IV	21 14 56 32.6	13.62S	166.37E	33			
NEIC	Poor solution.							
ISC	**IV**	**21 14 59 30.7**±.58	**13.62S**±.072	**166.6E**±.12	**33**	**4.5b**	**60**	**4-169**
EIDC	IV	21 14 59 26.8	13.6S	166.7E	0	4.4b		**¶97iv3511**
NEIC	IV	21 14 59 30.5	13.55S	166.55E	33	4.6b		
MOS	IV	21 14 59 31.3	13.6S	166.4E	33	5.0b		
BJI	IV	21 14 59 31.5	13.12S	167.08E	32	4.8b		
ISC	**IV**	**21 15 13 27**±10	**13.40S**±.095	**166.6E**±.11	**12**±60	**4.7b**	**65**	**5-153**
EIDC	IV	21 15 13 26.5	13.5S	166.6E	0	4.4b		**¶97iv3514**
BJI	IV	21 15 13 29.4	13.40S	166.60E	33	5.1b		
NEIC	IV	21 15 13 29.4	13.44S	166.59E	33	4.7b		
MOS	IV	21 15 13 29.6	13.5S	166.6E	33	5.3b		
ISC	**IV**	**21 15 17 33**±3.3	**13.49S**±.052	**166.49E**±.079	**24**±23	**4.9b**	**127**	**4-153**
BJI	IV	21 15 17 33.3	12.60S	166.70E	4	5.1b		**¶97iv3515**
NEIC	IV	21 15 17 33.8	13.48S	166.53E	33	5.1b		
MOS	IV	21 15 17 35.0	13.5S	166.4E	33	5.5b		
EIDC	IV	21 15 17 39.3	13.5S	166.4E	66	4.4b		
NEIC	**IV**	**21 15 19 55.0**	**13.10S**	**166.52E**	**33**	**4.7b**		**9-146**
NEIC	Poor solution.							**¶97iv3516**
ISC	**IV**	**21 15 41 11**±4.6	**13.6S**±.18	**166.8E**±.17	**44**±42	**3.9b**	**20**	**4-153**
EIDC	IV	21 15 41 06.4	13.5S	166.8E	0	3.9b		**¶97iv3524**
NEIC	IV	21 15 41 09.7	13.59S	166.84E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 15 48 58**±1.0	**13.6S**±.11	**166.2E**±.16	**33**	**4.3b**	**20**	**5-147**
EIDC	IV	21 15 48 54.8	13.6S	166.2E	0	4.3b		**¶97iv3526**
NEIC	IV	21 15 48 57.7	13.49S	166.20E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 15 55 42.9**±.63	**13.31S**±.081	**166.3E**±.12	**33**	**4.4b**	**36**	**9-147**
EIDC	IV	21 15 55 39.0	13.3S	166.4E	0	4.3b		**¶97iv3529**
BJI	IV	21 15 55 42.1	12.83S	166.06E	5	4.8b		
NEIC	IV	21 15 55 42.5	13.31S	166.29E	33	4.7b		
MOS	IV	21 15 55 42.8	13.3S	166.2E	33	4.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 16 10 09.3**±.92	**13.6S**±.11	**166.3E**±.14	**33**	**3.9b**	**13**	**4-147**
EIDC	IV	21 16 10 05.9	13.5S	166.2E	0	4.0b		**¶97iv3531**
NEIC	IV	21 16 10 11.0	13.24S	165.89E	33	4.4b		
NEIC	Poor solution.							
ISC	**IV**	**21 16 26 26**±3.1	**13.4S**±.13	**166.4E**±.13	**45**±31	**4.3b**	**48**	**5-152**
NEIC	IV	21 16 26 24.0	13.38S	166.42E	33	4.4b		**¶97iv3533**
EIDC	IV	21 16 26 24.0	13.5S	166.6E	28	4.1b		
MOS	IV	21 16 26 25.2	13.4S	166.2E	33	5.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 16 34 33.5**±.96	**13.3S**±.10	**166.0E**±.17	**33**	**4.3b**	**16**	**9-147**
NEIC	IV	21 16 34 35.5	13.04S	165.62E	33	4.5b		**¶97iv3534**
EIDC	IV	21 16 34 38.0	13.1S	165.6E	39	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**21 16 39 59**±1.3	**13.3S**±.16	**166.2E**±.16	**33**	**4.0b**	**10**	**5-147**
EIDC	IV	21 16 39 55.4	13.5S	166.3E	0	4.1b		**¶97iv3537**
NEIC	IV	21 16 40 00.0	13.24S	165.98E	33	4.5b		
NEIC	Poor solution.							
ISC	**IV**	**21 16 43 19**±3.4	**13.27S**±.059	**166.39E**±.089	**20**±24	**4.8b**,3.6s	**78**	**5-152**
NEIC	IV	21 16 43 20.4	13.21S	166.40E	33	5.0b		**¶97iv3538**
MOS	IV	21 16 43 21.3	13.2S	166.2E	33	5.2b		
BJI	IV	21 16 43 23.4	13.20S	166.40E	33	4.8b		
EIDC	IV	21 16 43 25.0	13.2S	166.2E	55	4.4b,3.6s		
ISC	**IV**	**21 17 08 08**±1.2	**13.4S**±.13	**166.5E**±.20	**36**±2.9*	**4.1b**	**15**	**9-153**
NEIC	IV	21 17 08 10.4	13.07S	166.02E	33	4.5b		**¶97iv3540**
EIDC	IV	21 17 08 12.3	13.3S	166.2E	33	3.8b		
NEIC	Poor solution.							
EIDC	**IV**	**21 17 12 13.5**	**14.9S**	**166.0E**	**0**	**3.7b**		**20-147**
								¶97iv3541
ISC	**IV**	**21 18 06 35.1**±.93	**13.2S**±.12	**165.9E**±.15	**33**	**4.4b**	**16**	**5-147**
EIDC	IV	21 18 06 30.4	13.4S	166.1E	0	4.3b		**¶97iv3549**
NEIC	IV	21 18 06 34.4	13.26S	166.04E	33	4.7b		
NEIC	Poor solution.							
ISC	**IV**	**21 18 11 10**±5.6	**13.3S**±.32	**166.3E**±.23	**80**±60	**4.1b**	**19**	**5-152**
EIDC	IV	21 18 11 01.6	13.0S	166.1E	0	4.1b		**¶97iv3550**
NEIC	IV	21 18 11 05.2	13.21S	166.28E	33	4.3b		
NEIC	Poor solution.							
ISC	**IV**	**21 18 20 12**±1.6	**13.1S**±.22	**166.3E**±.29	**33**	**3.8b**	**9**	**9-147**
EIDC	IV	21 18 20 08.1	13.0S	166.3E	0	3.9b		**¶97iv3552**
NEIC	IV	21 18 20 13.3	12.73S	165.83E	33	4.2b		
NEIC	Poor solution.							
ISC	**IV**	**21 19 38 36.4**±.62	**13.41S**±.085	**166.4E**±.11	**33**	**4.4b**	**39**	**5-152**
NEIC	IV	21 19 38 36.6	13.34S	166.38E	33	4.4b		**¶97iv3562**
EIDC	IV	21 19 38 38.7	13.4S	166.5E	40	4.2b		
NEIC	Less reliable solution.							
NEIC	**IV**	**21 19 55 18.8**	**14.62S**	**167.07E**	**33**	4.4b		**3-148**
EIDC	IV	21 19 55 16.0	14.6S	167.1E	0	3.7b		**¶97iv3566**
NEIC	Poor solution.							
ISC	**IV**	**21 20 03 06**±3.2	**13.34S**±.054	**166.43E**±.077	**20**±23	**5.0b,5.0s**	**92**	**5-152**
EIDC	IV	21 20 03 03.2	13.4S	166.6E	0	4.7b,4.6s		**¶97iv3568**
NEIC	IV	21 20 03 07.0	13.34S	166.46E	33	5.1b,5.1s		
MOS	IV	21 20 03 07.6	13.3S	166.4E	33	5.5b		
BJI	IV	21 20 03 08.3	12.86S	166.45E	24	5.2b,5.0s		
ISC	**IV**	**21 20 18 18**±6.6	**13.17S**±.065	**166.5E**±.11	**11**±38	**4.6b**,3.4s	**54**	**5-152**
EIDC	IV	21 20 18 17.3	13.3S	166.7E	0	4.5b,3.4s		**¶97iv3570**
MOS	IV	21 20 18 21.1	13.1S	166.5E	33	5.0b		
BJI	IV	21 20 18 21.2	13.00S	166.50E	33	4.5b		
NEIC	IV	21 20 18 21.2	13.19S	166.50E	33	4.7b		
ISC	**IV**	**21 20 33 07**±4.2	**13.4S**±.18	**166.7E**±.18	**92**±41	**3.9b**	**17**	**9-153**
EIDC	IV	21 20 32 57.1	13.4S	166.8E	0	4.0b		**¶97iv3571**
NEIC	IV	21 20 33 00.6	13.38S	166.75E	33	4.3b		
NEIC	Poor solution.							
ISC	**IV**	**21 20 35 06**±1.4	**13.70S**±.050	**166.39E**±.066	**44**±13	**5.1b,5.0s**	**169**	**4-153**
EIDC	IV	21 20 35 01.1	13.6S	166.5E	0	4.9b,4.4s		**¶97iv3572**
NEIC	IV	21 20 35 04.8	13.65S	166.40E	33	5.2b,5.0s		
BJI	IV	21 20 35 05.0	13.41S	166.51E	29	5.2b		
MOS	IV	21 20 35 05.4	13.7S	166.4E	33	5.4b		
ISC	**IV**	**21 20 52 18**±1.4	**13.5S**±.23	**165.8E**±.25	**33**	**3.7b**	**7**	**29-147**
EIDC	IV	21 20 52 14.7	13.3S	165.9E	0	3.7b		**¶97iv3575**
NEIC	IV	21 20 52 18.3	13.47S	165.81E	33			
NEIC	Poor solution.							
ISC	**IV**	**21 20 57 22**±1.0	**13.4S**±.11	**166.0E**±.15	**33**	**3.8b**	**13**	**5-147**
NEIC	IV	21 20 57 20.0	13.67S	166.41E	33	4.0b		**¶97iv3578**
EIDC	IV	21 20 57 25.9	13.5S	166.3E	64	3.6b		
NEIC	Poor solution.							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV 21 21 23 53**±2.8	**13.20S**±.040	**166.53E**±.048	**24**±20	**5.1b,5.4s**	**260**	**5-169**
EIDC	IV 21 21 23 53.5	13.2S	166.5E	18	4.9b,5.0s		**¶97iv3585**
NEIC	IV 21 21 23 53.8	13.16S	166.52E	33	5.2b,5.5s		
BJI	IV 21 21 23 54.7	12.92S	166.47E	26	5.3b,5.4s		
MOS	IV 21 21 23 55.8	13.1S	166.2E	33	5.8b,5.3s		
ISC	**IV 21 21 57 28**±1.2	**13.7S**±.13	**166.2E**±.22	**33**	**3.8b**	**9**	**4-147**
EIDC	IV 21 21 57 22.4	13.9S	166.7E	0	3.8b		**¶97iv3590**
NEIC	IV 21 21 57 27.6	13.82S	166.34E	33			
NEIC	Poor solution.						
ISC	**IV 21 23 12 55**±2.5	**13.25S**±.098	**166.2E**±.10	**73**±24	**4.4b**	**42**	**5-152**
EIDC	IV 21 23 12 46.2	13.3S	166.4E	0	4.3b,3.8s		**¶97iv3597**
BJI	IV 21 23 12 49.6	13.20S	166.30E	33	4.9b		
NEIC	IV 21 23 12 49.6	13.22S	166.31E	33	4.7b		
MOS	IV 21 23 12 49.7	13.3S	166.3E	33	4.8b		
EIDC	**IV 22 00 38 01.8**	**13.5S**	**167.2E**	**0**	**4.0b**		**4-153**
							¶97iv3606
EIDC	**IV 22 00 51 48.9**	**13.0S**	**166.1E**	**0**	**3.6b**		**31-97**
							¶97iv3609
ISC	**IV 22 00 53 53**±5.2	**13.2S**±.29	**166.3E**±.20	**94**±53	**4.2b**	**19**	**5-97**
EIDC	IV 22 00 53 40.1	13.5S	166.8E	0	4.2b		**¶97iv3610**
NEIC	IV 22 00 53 46.2	13.05S	166.31E	33	4.4b		
NEIC	Poor solution.						
ISC	**IV 22 01 21 24**±3.3	**13.53S**±.055	**166.17E**±.070	**32**±23	**4.9b,4.8s**	**119**	**5-153**
NEIC	IV 22 01 21 24.4	13.52S	166.18E	33	5.1b,4.9s		**¶97iv3615**
MOS	IV 22 01 21 24.7	13.5S	166.2E	33	5.4b		
BJI	IV 22 01 21 26.2	12.93S	165.96E	23	5.1b,5.1s		
EIDC	IV 22 01 21 27.4	13.6S	166.2E	43	4.4b,4.3s		
EIDC	**IV 22 01 48 47.3**	**13.7S**	**166.7E**	**0**	**3.9b**		**4-86**
							¶97iv3618
ISC	**IV 22 03 00 10.9**±.90	**13.1S**±.13	**166.0E**±.14	**33**	**3.9b**,2.8s	**10**	**5-95**
EIDC	IV 22 03 00 06.0	13.6S	166.4E	0	3.9b,2.8s		**¶97iv3625**
NEIC	IV 22 03 00 10.3	13.24S	166.17E	33	4.6b		
NEIC	Poor solution.						
ISC	**IV 22 03 54 44**±4.0	**14.1S**±.20	**166.8E**±.24	**128**±40	**3.8b**	**10**	**8-120**
NEIC	IV 22 03 54 33.2	14.21S	166.69E	33	4.3b		**¶97iv3635**
EIDC	IV 22 03 55 22.9	14.3S	165.8E	491	3.0b		
NEIC	Poor solution.						
ISC	**IV 22 06 39 42.7**±.95	**13.2S**±.13	**166.2E**±.13	**33**	**4.2b**	**13**	**5-147**
EIDC	IV 22 06 39 40.5	12.5S	165.6E	0	4.0b		**¶97iv3659**
NEIC	IV 22 06 39 43.7	12.71S	165.78E	33	4.6b		
NEIC	Poor solution.						
ISC	**IV 22 07 20 52**±1.3	**13.1S**±.16	**166.1E**±.16	**33**	**3.8b**	**11**	**5-147**
EIDC	IV 22 07 20 47.3	13.5S	166.5E	0	3.9b		**¶97iv3662**
NEIC	IV 22 07 20 51.3	13.28S	166.33E	33	4.4b		
NEIC	Poor solution.						
ISC	**IV 22 07 42 31.3**±.86	**13.6S**±.12	**166.2E**±.12	**33**	**4.2b**,3.2s	**37**	**5-147**
EIDC	IV 22 07 42 29.3	13.2S	166.0E	0	4.1b,3.3s		**¶97iv3668**
NEIC	IV 22 07 42 32.6	13.31S	165.89E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 22 07 47 51**±1.8	**13.1S**±.12	**166.2E**±.14	**80**±17	**4.0b**	**16**	**5-147**
EIDC	IV 22 07 47 41.1	13.4S	166.7E	0	4.0b		**¶97iv3670**
NEIC	IV 22 07 47 45.5	13.24S	166.45E	33	4.2b		
NEIC	Poor solution.						
ISC	**IV 22 07 50 07**±3.5	**14.1S**±.64	**166.6E**±.60	**33**	**4.1b**	**6**	**31-147**
EIDC	IV 22 07 50 04.4	13.8S	166.5E	0	3.5b		**¶97iv3671**
ISC	**IV 22 08 02 14**±3.5	**13.5S**±.17	**166.4E**±.12	**59**±32	**4.4b**,3.2s	**42**	**4-153**
EIDC	IV 22 08 02 08.0	13.2S	166.3E	0	4.2b,3.4s		**¶97iv3672**
NEIC	IV 22 08 02 11.0	13.47S	166.50E	33	4.7b		
MOS	IV 22 08 02 12.3	13.5S	166.4E	33	4.7b		
NEIC	Less reliable solution.						
ISC	**IV 22 09 01 57.8**±.79	**13.3S**±.11	**166.3E**±.14	**33**	**4.4b**	**25**	**5-147**
EIDC	IV 22 09 01 53.2	13.4S	166.6E	0	4.2b		**¶97iv3678**
NEIC	IV 22 09 01 57.5	13.32S	166.34E	33	4.4b		
NEIC	Less reliable solution.						
ISC	**IV 22 09 07 30**±5.4	**13.5S**±.54	**166.5E**±.42	**33**	**4.2b**,3.1s	**12**	**5-147**
EIDC	IV 22 09 07 34.6	13.8S	165.6E	0	4.2b,3.1s		**¶97iv3679**
NEIC	IV 22 09 07 35.1	13.62S	165.86E	33	4.4b		
NEIC	Poor solution.						
ISC	**IV 22 10 45 47.1**±.95	**13.3S**±.13	**166.3E**±.20	**33**	**3.9b**	**11**	**5-152**
EIDC	IV 22 10 45 40.7	13.8S	166.9E	0	4.0b		**¶97iv3704**
NEIC	IV 22 10 45 44.1	13.99S	166.84E	33			
NEIC	Poor solution.						
ISC	**IV 22 10 57 42**±2.4	**13.3S**±.11	**166.4E**±.14	**47**±21	**4.2b**	**32**	**5-152**
EIDC	IV 22 10 57 37.0	13.3S	166.6E	0	4.1b,4.0L		**¶97iv3710**
NEIC	IV 22 10 57 40.4	13.35S	166.48E	33			
NEIC	Less reliable solution.						
ISC	**IV 22 13 26 00.2**±.51	**13.87S**±.064	**166.2E**±.10	**33**	**4.6b,4.2s**	**58**	**4-153**
EIDC	IV 22 13 25 57.2	13.7S	166.1E	0	4.4b,3.7s		**¶97iv3748**
MOS	IV 22 13 25 59.7	13.9S	166.2E	33	5.1b		
BJI	IV 22 13 25 59.8	13.80S	166.20E	33	4.7b		
NEIC	IV 22 13 25 59.8	13.85S	166.23E	33	4.8b		
NEIC	Less reliable solution.						
ISC	**IV 22 13 48 17**±1.2	**13.7S**±.12	**166.4E**±.15	**33**	**4.0b**	**12**	**4-147**
EIDC	IV 22 13 48 12.5	13.4S	166.3E	0	4.1b		**¶97iv3754**
NEIC	IV 22 13 48 15.7	13.71S	166.60E	33	4.4b		
NEIC	Poor solution.						
ISC	**IV 22 13 57 46.2**±.42	**13.85S**±.053	**166.33E**±.086	**33**	**4.7b,4.5s**	**89**	**4-153**
EIDC	IV 22 13 57 41.2	13.8S	166.6E	0	4.6b,4.2s		**¶97iv3757**
NEIC	IV 22 13 57 45.7	13.79S	166.35E	33	4.9b		
MOS	IV 22 13 57 45.8	13.8S	166.4E	33	5.4b		
BJI	IV 22 13 57 47.8	13.14S	166.46E	29	4.9b,5.4s		
ISC	**IV 22 15 10 22**±1.5	**14.2S**±.18	**167.1E**±.21	**33**	**3.8b**	**9**	**8-148**
EIDC	IV 22 15 10 18.1	14.3S	167.3E	0	3.7b,3.7L		**¶97iv3768**
NEIC	IV 22 15 10 22.2	14.22S	167.01E	33	4.3b		
NEIC	Less reliable solution.						
ISC	**IV 22 15 28 14**±9.8	**13.15S**±.071	**166.5E**±.15	**2**±56	**4.9b,4.2s**	**65**	**5-152**
EIDC	IV 22 15 28 15.1	13.2S	166.4E	0	4.4b,4.1s		**¶97iv3771**
NEIC	IV 22 15 28 18.2	13.16S	166.48E	33	4.9b		
BJI	IV 22 15 28 18.4	12.88S	166.88E	32	5.1b,5.1s		
MOS	IV 22 15 28 19.0	13.2S	166.3E	33	5.4b		
NEIC	Less reliable solution.						
ISC	**IV 22 15 42 11**±2.6	**13.1S**±.11	**166.6E**±.18	**40**±21	**4.2b**	**26**	**5-152**
EIDC	IV 22 15 42 07.5	13.3S	166.6E	0	4.1b,3.9L		**¶97iv3775**
NEIC	IV 22 15 42 10.1	13.17S	166.63E	33	4.3b		
NEIC	Less reliable solution.						
ISC	**IV 22 15 44 53.5**±.69	**13.38S**±.078	**166.3E**±.13	**33**	**4.4b**,3.3s	**27**	**5-147**
EIDC	IV 22 15 44 49.9	13.3S	166.2E	0	4.3b,3.3s		**¶97iv3776**
NEIC	IV 22 15 44 53.1	13.32S	166.28E	33	4.6b		
MOS	IV 22 15 44 53.6	13.3S	166.3E	33	4.8b		
BJI	IV 22 15 44 54.9	12.66S	166.51E	28	4.6b		
NEIC	Less reliable solution.						
ISC	**IV 22 16 18 40**±2.4	**13.3S**±.10	**166.3E**±.14	**36**±21	**4.0b**,3.0s	**21**	**5-147**
EIDC	IV 22 16 18 35.1	13.4S	166.4E	0	4.0b,3.0s		**¶97iv3780**
NEIC	IV 22 16 18 38.4	13.54S	166.44E	33	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 22 16 33 46**±6.0	**13.6S**±.27	**166.2E**±.22	**58**±55	**3.8b**	**9**	**8-147**
EIDC	IV 22 16 33 41.4	13.2S	166.0E	0	3.7b		**¶97iv3783**
NEIC	IV 22 16 33 42.8	13.61S	166.20E	33	4.2b		
NEIC	Poor solution.						
ISC	**IV 22 16 46 51**±7.0	**13.29S**±.084	**166.4E**±.12	**14**±41	**4.6b**	**49**	**5-152**
EIDC	IV 22 16 46 49.8	13.3S	166.5E	0	4.4b		**¶97iv3786**
NEIC	IV 22 16 46 53.7	13.24S	166.37E	33	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 22 16 51 51**±2.6	**13.24S**±.035	**166.49E**±.043	**17**±19	**5.3b,5.6s**	**367**	**5-169**
EIDC	IV 22 16 51 49.3	13.3S	166.7E	0	4.9b,5.4s		**¶97iv3787**
BJI	IV 22 16 51 51.8	13.30S	166.59E	26	5.4b,5.6s		
NEIC	IV 22 16 51 53.5	13.22S	166.45E	33	5.5b,5.8s		
MOS	IV 22 16 51 54.1	13.2S	166.4E	33	5.8b,5.4s		
HRVD	IV 22 16 51 58.1±.2	13.15S±.02	166.10E±.02	29±1.5			
NEIC	Ms5.9(BRK), Mw5.8(GS).						
NEIC	Mw 5.8 (HRV). Mo=1.0×10^{18}Nm (PPT).						
NEIC	Moment tensor solution: s25, scale 10^{17}Nm; M_{rr}1.04; $M_{\theta\theta}$−1.55; $M_{\phi\phi}$0.50; $M_{r\theta}$−0.54; $M_{r\phi}$−4.57; $M_{\theta\phi}$−2.91. Depth 22km; Principal axes: T 5.74,Plg42°,Azm72°; N −0.26,Plg33°, Azm197°; P −5.48,Plg30°,Azm310°. Best double couple: $M_0$5.6×10^{17}Nm; NP1:ϕ_S94°,δ34°, λ169°. NP2:ϕ_S193°,δ84°,λ56°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c98; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}2.65±.06; $M_{\theta\theta}$1.28±.11; $M_{\phi\phi}$−3.93±.11; $M_{r\theta}$0.17±.15; $M_{r\phi}$−5.14±.29; $M_{\theta\phi}$0.10±.07. Principal Axes: T 5.47,Plg61°,Azm87°; N 1.28, Plg1°,Azm178°; P −6.75,Plg29°,Azm269°. Best double couple: $M_0$6.1×10^{17}Nm, NP1:ϕ_S0°, δ16°,λ92°. NP2:ϕ_S178°,δ74°,λ89°.						
ISC	**IV 22 17 03 17**±1.8	**13.4S**±.10	**166.3E**±.12	**56**±17	**4.2b**	**20**	**5-147**
EIDC	IV 22 17 03 08.0	13.7S	166.7E	0	4.0b,4.1L		**¶97iv3788**
NEIC	IV 22 17 03 12.3	13.73S	166.44E	33	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 22 17 15 24.4**±.62	**13.15S**±.068	**166.5E**±.13	**33**	**4.6b**	**55**	**5-152**
EIDC	IV 22 17 15 20.0	13.2S	166.6E	0	4.3b		**¶97iv3790**
NEIC	IV 22 17 15 23.6	13.17S	166.50E	33	4.7b		
MOS	IV 22 17 15 24.3	13.2S	166.4E	33	4.8b		
BJI	IV 22 17 15 25.0	12.56S	167.41E	39	5.0b		
NEIC	Less reliable solution.						
ISC	**IV 22 17 28 45**±2.4	**13.7S**±.40	**166.5E**±.52	**33**	**3.6b**	**6**	**29-119**
EIDC	IV 22 17 28 40.4	13.6S	166.7E	0	3.7b		**¶97iv3795**
ISC	**IV 22 17 37 38.6**±.44	**13.52S**±.053	**166.24E**±.078	**33**	**4.9b**,4.0s	**74**	**5-153**
EIDC	IV 22 17 37 34.0	13.7S	166.5E	0	4.8b,4.1s		**¶97iv3797**
NEIC	IV 22 17 37 38.5	13.44S	166.20E	33	5.0b		
MOS	IV 22 17 37 39.0	13.5S	166.2E	33	5.1b		
BJI	IV 22 17 37 47.4	12.77S	165.23E	40	4.5b		
ISC	**IV 22 17 54 34**±1.0	**13.7S**±.12	**166.4E**±.17	**33**	**4.0b**	**25**	**8-148**
EIDC	IV 22 17 54 29.6	14.0S	166.8E	0	4.0b		**¶97iv3801**
NEIC	IV 22 17 54 34.2	13.74S	166.41E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 22 19 26 58.0**±.77	**13.16S**±.099	**165.9E**±.13	**33**	**4.0b**	**18**	**5-147**
NEIC	IV 22 19 26 57.2	13.43S	165.90E	33	4.4b		**¶97iv3821**
EIDC	IV 22 19 27 07.2	13.2S	165.7E	94	3.7b		
NEIC	Poor solution.						
ISC	**IV 22 20 34 43**±2.6	**13.8S**±.12	**166.2E**±.13	**66**±26	**4.3b**	**37**	**4-149**
EIDC	IV 22 20 34 34.5	14.1S	166.6E	0	4.3b,3.9s		**¶97iv3826**
MOS	IV 22 20 34 36.7	13.6S	167.6E	33	5.0b		
NEIC	IV 22 20 34 38.1	13.85S	166.40E	33	4.8b		
NEIC	Less reliable solution.						
ISC	**IV 22 21 28 03**±5.0	**13.55S**±.089	**166.39E**±.094	**22**±36	**4.5b**	**94**	**4-153**
EIDC	IV 22 21 28 02.8	13.6S	166.6E	12	4.5b		**¶97iv3830**
NEIC	IV 22 21 28 04.3	13.55S	166.46E	33	4.7b		
MOS	IV 22 21 28 05.0	13.5S	166.3E	33	5.1b		
BJI	IV 22 21 28 07.9	12.83S	166.09E	23	4.6b		
ISC	**IV 22 22 05 04**±3.8	**13.64S**±.055	**166.58E**±.092	**17**±26	**5.0b,4.7s**	**153**	**4-169**
EIDC	IV 22 22 05 02.9	13.6S	166.7E	8	4.8b,4.3s		**¶97iv3836**
NEIC	IV 22 22 05 05.1	13.59S	166.62E	33	5.1b,4.7s		
BJI	IV 22 22 05 06.2	13.14S	167.10E	31	5.0b,5.3s		
MOS	IV 22 22 05 06.5	13.6S	166.4E	33	5.3b		
ISC	**IV 22 22 50 58.1**±.41	**14.17S**±.056	**166.74E**±.089	**34**±2.0*	**4.7b,4.4s**	**165**	**4-154**
EIDC	IV 22 22 50 53.8	14.1S	166.8E	0	4.6b,4.1s		**¶97iv3842**
NEIC	IV 22 22 50 57.4	14.13S	166.77E	33	4.8b,4.9s		
MOS	IV 22 22 50 59.1	14.1S	166.5E	33	5.6b		
BJI	IV 22 22 51 00.4	13.20S	166.35E	13	5.2b		
ISC	**IV 22 23 19 07.3**±.74	**13.97S**±.095	**166.5E**±.15	**33**	**3.9b**	**30**	**4-153**
EIDC	IV 22 23 19 03.2	14.0S	166.7E	0	4.0b		**¶97iv3844**
NEIC	IV 22 23 19 06.8	14.10S	166.65E	33			
NEIC	Less reliable solution.						
ISC	**IV 22 23 28 57.2**±.70	**13.24S**±.098	**166.2E**±.12	**33**	**4.2b**,2.8s	**44**	**5-152**
EIDC	IV 22 23 28 53.4	13.1S	166.2E	0	4.2b,2.8s		**¶97iv3848**
NEIC	IV 22 23 28 56.6	13.29S	166.32E	33	4.3b		
NEIC	Less reliable solution.						
ISC	**IV 22 23 48 27**±3.7	**13.1S**±.15	**166.4E**±.13	**39**±36	**4.4b**	**47**	**5-152**
EIDC	IV 22 23 48 22.9	13.0S	166.4E	0	4.4b		**¶97iv3852**
BJI	IV 22 23 48 25.7	13.10S	166.40E	33			
NEIC	IV 22 23 48 25.7	13.12S	166.43E	33	4.9b		
MOS	IV 22 23 48 26.3	13.1S	166.4E	33	5.0b		
NEIC	Less reliable solution.						
ISC	**IV 23 00 05 46**±4.9	**14.11S**±.051	**166.74E**±.062	**7**±29	**5.1b,5.3s**	**244**	**4-169**
EIDC	IV 23 00 05 48.5	14.2S	166.8E	15	4.7b,5.1L		**¶97iv3854**
NEIC	IV 23 00 05 49.7	14.13S	166.78E	33	5.1b,5.3s		
MOS	IV 23 00 05 51.1	14.0S	166.6E	33	5.5b,5.3s		
BJI	IV 23 00 05 54.6	13.61S	166.18E	33	5.2b,5.4s		
HRVD	IV 23 00 05 55.1±.1	14.18S±.02	166.47E±.02	28±1.3			
NEIC	Mw5.7(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s48,c82; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}3.94±.06; $M_{\theta\theta}$0.52±.11; $M_{\phi\phi}$−4.46±.10; $M_{r\theta}$1.65±.20; $M_{r\phi}$0.35±.23; $M_{\theta\phi}$1.07±.07. Principal Axes: T 4.66,Plg67°,Azm348°; N 0.02, Plg23°,Azm168°; P −4.68,Plg0°,Azm78°. Best double couple: $M_0$4.7×10^{17}Nm, NP1:ϕ_S147°, δ49°,λ59°. NP2:ϕ_S10°,δ50°,λ121°.						
ISC	**IV 23 00 13 41**±8.3	**14.1S**±.14	**166.9E**±.13	**23**±60	**4.4b**,5.3s	**61**	**4-153**
EIDC	IV 23 00 13 37.8	14.2S	167.0E	0	4.4b		**¶97iv3856**
NEIC	IV 23 00 13 41.7	14.13S	166.95E	33	4.6b		
BJI	IV 23 00 13 43.8	13.59S	166.62E	24	4.9b,5.4s		
ISC	**IV 23 00 22 26**±2.6	**14.1S**±.12	**166.7E**±.14	**65**±27	**4.3b**	**57**	**4-153**
EIDC	IV 23 00 22 18.2	14.2S	166.9E	0	4.3b		**¶97iv3858**
NEIC	IV 23 00 22 22.1	14.09S	166.77E	33	4.5b		
BJI	IV 23 00 22 23.1	14.10S	166.80E	33	4.6b,5.4s		
NEIC	Less reliable solution.						

ISC	**IV**	**23 00 28 15.2**±.83	**13.4S**±.11	**166.4E**±.15	**33**	**4.0b**	**19**	**9-147**
EIDC	IV	23 00 28 11.6	13.4S	166.4E	0	4.1b		**¶97iv3859**
NEIC	IV	23 00 28 15.5	13.46S	166.36E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 00 54 35**±7.7	**13.3S**±.13	**166.4E**±.12	**17**±55	**4.4b**,4.9s	**32**	**5-152**
NEIC	IV	23 00 54 37.5	13.35S	166.40E	33	4.7b		**¶97iv3862**
BJI	IV	23 00 54 39.5	13.40S	166.40E	23	4.6b,5.2s		
EIDC	IV	23 00 54 41.2	13.5S	166.5E	54	4.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 01 40 58.2**±.78	**13.3S**±.10	**166.3E**±.15	**33**	**4.2b**	**18**	**5-152**
EIDC	IV	23 01 40 52.4	13.6S	166.8E	0	4.3b		**¶97iv3869**
NEIC	IV	23 01 40 57.6	13.34S	166.39E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 01 58 21**±1.1	**14.1S**±.13	**166.6E**±.23	**33**	**3.8b**	**15**	**4-148**
EIDC	IV	23 01 58 18.3	13.9S	166.8E	0	3.8b		**¶97iv3874**
NEIC	IV	23 01 58 21.0	14.18S	166.76E	33			
NEIC	Poor solution.							
ISC	**IV**	**23 03 01 56**±3.4	**13.31S**±.056	**166.25E**±.079	**27**±24	**4.9b,4.7s**	**109**	**5-152**
EIDC	IV	23 03 01 52.3	13.3S	166.4E	0	4.6b,4.7L		**¶97iv3883**
NEIC	IV	23 03 01 56.0	13.31S	166.33E	33	5.1b,4.7s		
MOS	IV	23 03 01 57.2	13.3S	166.2E	33	5.4b		
BJI	IV	23 03 02 02.0	12.45S	166.00E	35	4.8b		
ISC	**IV**	**23 03 16 37**±1.3	**13.9S**±.14	**166.6E**±.15	**33**	**4.1b**	**16**	**4-153**
NEIC	IV	23 03 16 36.3	14.01S	166.81E	33	4.3b		**¶97iv3885**
EIDC	IV	23 03 16 38.4	14.0S	166.7E	30	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 03 47 17**±2.2	**13.62S**±.038	**166.40E**±.038	**22**±16	**5.6b,5.9s**	**435**	**4-169**
EIDC	IV	23 03 47 14.5	13.6S	166.6E	0	5.2b,5.7s		**¶97iv3888**
NEIC	IV	23 03 47 18.3	13.60S	166.39E	33	5.5b,6.0s		
BJI	IV	23 03 47 18.8	13.62S	166.59E	36	5.9b,5.7s		
MOS	IV	23 03 47 19.2	13.5S	166.3E	33	6.1b,5.7s		
HRVD	IV	23 03 47 22.9±.1	13.61S±.01	166.20E±.01	21			
NEIC	Mw6.0(HRV), Mw5.9(GS).							

NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−6.09; $M_{\theta\theta}$−1.58; $M_{\phi\phi}$7.67; $M_{r\theta}$2.10; $M_{r\phi}$−5.09; $M_{\theta\phi}$0.77. Depth 20km; Principal axes: T 9.35,Plg18°,Azm90°; N −0.86,Plg17°, Azm355°; P −8.49,Plg65°,Azm224°. Best double couple: $M_0$8.9×10^{17}Nm; NP1:ϕ_S206°,δ31°, λ−55°. NP2:ϕ_S346°,δ65°,λ−109°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c105; Mantle waves: s35,c47; Half duration: 2s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.32±.07; $M_{\theta\theta}$−0.54±.08; $M_{\phi\phi}$6.85±.08; $M_{r\theta}$1.08±.18; $M_{r\phi}$−6.69±.20; $M_{\theta\phi}$1.20±.07. Principal Axes: T 9.70,Plg22°,Azm94°; N −0.34,Plg10°,Azm0°; P −9.36,Plg65°,Azm247°. Best double couple: $M_0$9.5×10^{17}Nm, NP1:ϕ_S203°,δ24°,λ−65°. NP2:ϕ_S356°,δ68°,λ−101°.

ISC	**IV**	**23 04 26 33**±4.1	**13.5S**±.15	**166.5E**±.15	**51**±38	**4.3b**	**30**	**4-153**
NEIC	IV	23 04 26 30.0	13.40S	166.52E	33	4.4b		**¶97iv3893**
EIDC	IV	23 04 26 30.6	13.6S	166.6E	30	4.1b		
BJI	IV	23 04 26 34.9	13.15S	167.01E	55	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 04 37 03.8**±.78	**13.6S**±.10	**166.5E**±.13	**33**	**4.3b**	**23**	**4-147**
EIDC	IV	23 04 37 00.4	13.4S	166.4E	0	4.3b		**¶97iv3895**
NEIC	IV	23 04 37 03.7	13.59S	166.47E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 05 02 14**±1.5	**13.3S**±.14	**166.2E**±.25	**33**	**3.9b**	**7**	**5-147**
EIDC	IV	23 05 02 10.0	13.4S	166.5E	0	4.0b		**¶97iv3899**
NEIC	IV	23 05 02 14.7	13.36S	166.22E	33			
NEIC	Less reliable solution.							
ISC	**IV**	**23 05 48 46**±5.2	**13.2S**±.11	**165.6E**±.15	**28**±38	**4.0b**	**11**	**7-147**
EIDC	IV	23 05 48 42.6	13.3S	165.8E	0	4.1b,4.4L		**¶97iv3903**
NEIC	IV	23 05 48 46.6	13.26S	165.61E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 07 13 44.0**±.75	**13.4S**±.10	**166.5E**±.16	**33**	**3.9b**	**19**	**5-153**
EIDC	IV	23 07 13 39.6	13.5S	166.7E	0	3.9b		**¶97iv3911**
NEIC	IV	23 07 13 44.1	13.42S	166.51E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 07 57 13**±1.4	**13.60S**±.048	**166.52E**±.058	**35**±13	**5.2b,5.1s**	**241**	**4-169**
EIDC	IV	23 07 57 07.5	13.7S	166.9E	0	5.2b,4.6s		**¶97iv3918**
NEIC	IV	23 07 57 12.4	13.62S	166.60E	33	5.2b,5.2s		
BJI	IV	23 07 57 12.6	13.37S	166.92E	33	5.4b,5.1s		
MOS	IV	23 07 57 13.4	13.5S	166.5E	33	5.7b,5.2s		
HRVD	IV	23 07 57 17.6±.3	13.41S±.05	166.21E±.04	27±3.0			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c42; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.04; $M_{\theta\theta}$0.41±.08; $M_{\phi\phi}$−1.21±.06; $M_{r\theta}$1.05±.14; $M_{r\phi}$−0.63±.14; $M_{\theta\phi}$0.27±.04. Principal Axes: T 1.71,Plg52°,Azm11°; N −0.13, Plg30°,Azm147°; P −1.58,Plg22°,Azm250°. Best double couple: $M_0$1.6×10^{17}Nm, NP1: ϕ_S21°,δ35°,λ149°. NP2:ϕ_S137°,δ73°,λ59°.

ISC	**IV**	**23 08 39 55.5**±.33	**13.68S**±.049	**166.55E**±.068	**33**	**4.8b,5.0s**	**205**	**4-169**
EIDC	IV	23 08 39 54.8	13.6S	166.6E	20	4.6b,4.4s		**¶97iv3921**
BJI	IV	23 08 39 55.5	13.60S	166.50E	33	5.0b,5.0s		
NEIC	IV	23 08 39 55.5	13.66S	166.51E	33	5.2b,5.0s		
MOS	IV	23 08 39 56.3	13.6S	166.4E	33	5.6b,4.9s		
HRVD	IV	23 08 39 58.4±.5	13.68S±.09	166.22E±.07	17±4.7			
NEIC	Mw5.3(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c30; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.79±.63; $M_{\theta\theta}$4.13±1.13; $M_{\phi\phi}$−9.92±.82; $M_{r\theta}$2.41±1.81; $M_{r\phi}$−4.92±2.45; $M_{\theta\phi}$2.34±.52. Principal Axes: T 8.0,Plg62°,Azm23°; N 3.9, Plg22°,Azm162°; P −11.9,Plg17°,Azm259°. Best double couple: $M_0$9.9×10^{16}Nm, NP1: ϕ_S19°,δ34°,λ132°. NP2:ϕ_S151°,δ65°,λ65°.

NEIC	**IV**	**23 10 04 00.4**	**13.25S**	**166.14E**	**33**	4.2b		**5-152**
EIDC	IV	23 10 03 56.8	13.1S	166.2E	0	3.9b,2.8s		**¶97iv3931**
NEIC	Poor solution.							
ISC	**IV**	**23 10 40 33**±1.2	**13.6S**±.12	**166.4E**±.19	**33**	**4.0b**	**11**	**8-86**
EIDC	IV	23 10 40 29.5	13.4S	166.5E	0	4.0b		**¶97iv3936**
NEIC	IV	23 10 40 33.6	13.42S	166.22E	33	4.3b		
NEIC	Poor solution.							
ISC	**IV**	**23 10 44 15**±4.2	**13.42S**±.086	**166.2E**±.11	**28**±29	**4.5b,3.9s**	**41**	**5-147**
EIDC	IV	23 10 44 08.8	14.1S	166.9E	0	4.4b,3.9s		**¶97iv3937**
BJI	IV	23 10 44 14.9	13.40S	166.30E	33	4.3b		
NEIC	IV	23 10 44 14.9	13.37S	166.31E	33	4.7b		
MOS	IV	23 10 44 16.1	13.4S	166.1E	33	5.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 10 46 23.7**±.67	**13.1S**±.11	**166.4E**±.14	**33**	**4.4b**	**41**	**21-152**
EIDC	IV	23 10 46 19.9	13.1S	166.6E	0	4.3b		**¶97iv3938**
NEIC	IV	23 10 46 23.5	13.17S	166.46E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 12 27 29**±3.1	**13.34S**±.061	**166.14E**±.078	**30**±23	**4.7b,3.8s**	**73**	**5-152**
NEIC	IV	23 12 27 28.4	13.32S	166.28E	33	4.8b		**¶97iv3957**
BJI	IV	23 12 27 34.4	12.31S	166.11E	38	4.8b		
EIDC	IV	23 12 27 34.4	13.3S	165.9E	55	4.3b,3.6s		
ISC	**IV**	**23 16 20 21**±1.1	**13.5S**±.11	**166.4E**±.22	**33**	**4.0b**	**14**	**9-153**
EIDC	IV	23 16 20 16.8	13.5S	166.7E	0	3.9b		**¶97iv3992**
NEIC	IV	23 16 20 21.0	13.47S	166.47E	33			
NEIC	Less reliable solution.							
EIDC	**IV**	**23 17 34 01.0**	**13.2S**	**166.0E**	**0**	3.5b		**9-118**
								¶97iv4005
EIDC	**IV**	**23 18 22 13.7**	**14.4S**	**166.1E**	**0**	**4.0b**		**4-147**
								¶97iv4009
ISC	**IV**	**23 18 48 29**±1.6	**13.3S**±.17	**166.3E**±.24	**33**	**3.5b**	**6**	**5-147**
EIDC	IV	23 18 48 24.8	13.7S	166.7E	0	3.6b		**¶97iv4013**
NEIC	IV	23 18 48 29.7	13.36S	166.29E	33			
NEIC	Poor solution.							
EIDC	**IV**	**23 18 56 27.6**	**14.0S**	**166.8E**	**0**	3.4b		**32-86**
								¶97iv4014
EIDC	**IV**	**23 23 50 58.6**	**14.7S**	**167.3E**	**0**	**4.5b**		**29-40**
								¶97iv4046
ISC	**IV**	**24 00 24 16**±1.0	**13.2S**±.13	**166.4E**±.18	**33**	**3.9b,**2.4s	**10**	**9-147**
EIDC	IV	24 00 24 13.8	12.8S	166.3E	0	3.8b,3.1s		**¶97iv4049**
NEIC	IV	24 00 24 16.5	13.27S	166.42E	33			
NEIC	Less reliable solution.							
ISC	**IV**	**24 06 10 46**±4.4	**13.5S**±.21	**166.1E**±.20	**42**±44	**3.8b**	**12**	**5-147**
EIDC	IV	24 06 10 41.8	13.4S	166.2E	0	3.8b		**¶97iv4091**
NEIC	IV	24 06 10 44.6	13.60S	166.27E	33			
NEIC	Less reliable solution.							
EIDC	**IV**	**24 09 13 34.1**	**13.3S**	**166.9E**	**0**	**3.7b**		**33-97**
								¶97iv4113
ISC	**IV**	**24 10 54 18.0**±.90	**13.5S**±.13	**166.0E**±.14	**33**	**3.9b**	**11**	**5-119**
EIDC	IV	24 10 54 13.7	13.6S	166.1E	0	4.0b		**¶97iv4127**
NEIC	IV	24 10 54 16.5	13.71S	166.28E	33	4.2b		
NEIC	Poor solution.							
ISC	**IV**	**24 10 58 47**±1.6	**13.0S**±.17	**167.2E**±.26	**33**	**3.7b**	**5**	**9-85**
EIDC	IV	24 10 58 45.5	12.5S	166.8E	0	3.7b		**¶97iv4129**
NEIC	IV	24 10 58 47.4	13.04S	167.21E	33			
NEIC	Poor solution.							
EIDC	**IV**	**24 11 57 32.5**	**13.4S**	**165.5E**	**0**	**3.5b**		**31-152**
								¶97iv4139
ISC	**IV**	**24 13 47 24**±1.6	**13.5S**±.11	**166.5E**±.24	**33**	**4.1b**	**13**	**4-147**
EIDC	IV	24 13 47 19.6	13.6S	166.7E	0	4.0b		**¶97iv4154**
NEIC	IV	24 13 47 24.3	13.52S	166.49E	33	4.3b		
NEIC	Poor solution.							
ISC	**IV**	**24 19 48 52**±1.5	**14.0S**±.16	**166.2E**±.23	**33**	**3.8b**	**8**	**4-147**
EIDC	IV	24 19 48 48.6	13.8S	166.2E	0	3.9b		**¶97iv4200**
NEIC	IV	24 19 48 52.0	13.97S	166.27E	33			
NEIC	Poor solution.							
ISC	**IV**	**24 21 33 44**±7.1	**13.19S**±.099	**165.6E**±.11	**13**±43	**4.3b,**3.2s	**30**	**7-152**
EIDC	IV	24 21 33 41.6	13.4S	165.9E	0	4.3b,3.1s		**¶97iv4212**
BJI	IV	24 21 33 46.5	13.20S	165.60E	33	4.5b		
NEIC	IV	24 21 33 46.5	13.22S	165.60E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 23 40 51.9**±.86	**13.5S**±.14	**166.2E**±.15	**33**	**3.9b**	**12**	**9-147**
EIDC	IV	24 23 40 49.6	12.8S	165.9E	0	4.0b		**¶97iv4234**
NEIC	IV	24 23 40 51.9	13.49S	166.18E	33			
NEIC	Less reliable solution.							
ISC	**IV**	**25 00 39 50**±3.2	**13.3S**±.16	**166.0E**±.13	**74**±31	**4.1b**	**22**	**5-152**
NEIC	IV	25 00 39 44.2	13.39S	166.28E	33	4.3b		**¶97iv4245**
EIDC	IV	25 00 39 49.7	13.3S	166.1E	57	4.0b,3.0s		
NEIC	Less reliable solution.							
ISC	**IV**	**25 01 00 52.1**±.86	**13.4S**±.14	**166.3E**±.15	**33**	**3.8b**	**14**	**9-152**
NEIC	IV	25 01 00 52.5	13.43S	166.30E	33			**¶97iv4247**
EIDC	IV	25 01 00 54.2	13.0S	166.1E	27	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 03 07 41**±1.6	**14.1S**±.17	**166.6E**±.25	**33**	**3.7b**	**7**	**8-147**
EIDC	IV	25 03 07 38.5	13.5S	166.2E	0	3.8b		**¶97iv4270**
NEIC	IV	25 03 07 40.2	14.09S	166.64E	33			
NEIC	Poor solution.							
ISC	**IV**	**25 06 20 32**±1.2	**13.3S**±.14	**166.3E**±.30	**33**	**4.2b**	**9**	**9-152**
EIDC	IV	25 06 20 31.2	12.8S	166.0E	0	4.2b		**¶97iv4299**
NEIC	IV	25 06 20 32.7	13.39S	166.40E	33			
NEIC	Poor solution.							
ISC	**IV**	**25 07 21 53**±1.4	**18.4S**±.16	**169.1E**±.22	**231**±8.8	**4.1b**	**14**	**1-100**
NEIC	IV	25 07 21 52.4	18.39S	169.12E	229	4.4b		**¶97iv4305**
EIDC	IV	25 07 22 21.4	18.4S	168.3E	515	3.3b		
NEIC	Poor solution.							
ISC	**IV**	**25 07 40 04**±7.9	**20.4S**±.26	**169.8E**±.87	**33**	**3.9b**	**7**	**3-33**
EIDC	IV	25 07 39 31.9	17.1S	172.8E	0	4.0b		**¶97iv4308**
ISC	**IV**	**25 11 32 24**±1.1	**16.1S**±.24	**167.2E**±.23	**400**	**3.3b**	**6**	**31-99**
EIDC	IV	25 11 32 26.8	16.0S	167.1E	413	3.0b		**¶97iv4335**
ISC	**IV**	**25 18 08 43.5**±.42	**13.47S**±.050	**166.56E**±.083	**25**	**4.9b,5.1s**	**185**	**4-169**
EIDC	IV	25 18 08 39.9	13.6S	166.7E	0	4.7b,4.7s		**¶97iv4391**
NEIC	IV	25 18 08 43.7	13.42S	166.59E	33	4.9b,5.2s		
MOS	IV	25 18 08 44.6	13.4S	166.4E	33	5.5b,5.2s		
BJI	IV	25 18 08 44.7	13.40S	166.50E	33	5.1b,5.1s		
HRVD	IV	25 18 08 50.5±.4	13.43S±.04	166.14E±.04	25±2.8			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c40; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.05; $M_{\theta\theta}$0.21±.06; $M_{\phi\phi}$−1.08±.05; $M_{r\theta}$0.04±.11; $M_{r\phi}$−0.76±.18; $M_{\theta\phi}$−0.77±.05. Principal Axes: T 1.23,Plg59°,Azm50°; N 0.40, Plg26°,Azm195°; P −1.63,Plg15°,Azm292°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S54°,δ37°,λ136°. NP2:ϕ_S182°,δ65°,λ61°.

ISC	**IV**	**25 19 31 11**±1.3	**14.1S**±.15	**166.0E**±.18	**33**	**4.0b,**2.8s	**10**	**8-147**
EIDC	IV	25 19 31 07.6	13.9S	166.0E	0	4.0b,2.8s		**¶97iv4404**
NEIC	IV	25 19 31 10.7	14.03S	166.07E	33	4.3b		
NEIC	Poor solution.							
NEIC	**IV**	**25 19 58 49.0**	**14.08S**	**166.22E**	**33**	3.5b		**8-147**
EIDC	IV	25 19 58 49.6	12.7S	165.0E	0	3.9b,2.7s		**¶97iv4409**
NEIC	Poor solution.							
ISC	**IV**	**25 20 20 34.3**±.82	**13.4S**±.11	**166.6E**±.21	**33**	**4.0b**	**16**	**5-153**
EIDC	IV	25 20 20 30.0	13.4S	166.8E	0	4.1b		**¶97iv4412**
NEIC	IV	25 20 20 34.0	13.39S	166.63E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 22 41 16**±3.7	**13.57S**±.070	**166.39E**±.095	**20**±26	**4.6b,4.4s**	**72**	**4-153**
EIDC	IV	25 22 41 13.2	13.6S	166.5E	0	4.6b,3.5s		**¶97iv4427**
NEIC	IV	25 22 41 16.9	13.57S	166.42E	33	4.9b,4.6s		
MOS	IV	25 22 41 17.1	13.6S	166.4E	33	5.1b		
BJI	IV	25 22 41 22.8	12.70S	165.93E	22	4.6b		
ISC	**IV**	**25 23 03 07**±2.0	**13.45S**±.061	**166.57E**±.081	**45**±18	**4.9b,5.2s**	**193**	**4-169**
EIDC	IV	25 23 03 01.1	13.6S	166.7E	0	4.7b,4.8s		**¶97iv4429**
BJI	IV	25 23 03 04.9	13.40S	166.60E	33	5.2b,5.2s		
NEIC	IV	25 23 03 04.9	13.42S	166.66E	33	5.1b,5.3s		
MOS	IV	25 23 03 06.8	13.4S	166.3E	33	5.5b		
HRVD	IV	25 23 03 09.9±.3	13.40S±.03	166.18E±.03	34±2.3			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c55; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.04; $M_{\theta\theta}$0.25±.06; $M_{\phi\phi}$−1.45±.05;

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
	$M_{r\theta}$0.50±.09; $M_{r\phi}$−0.33±.12; $M_{\theta\phi}$−0.41±.05. Principal Axes: T 1.48,Plg64°,Azm21°; N 0.07, Plg26°,Azm189°; P −1.55,Plg5°,Azm281°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S37°, δ46°,λ127°. NP2:ϕ_S169°,δ55°,λ58°.						
ISC	**IV 26 01 12 02.2**±.50	**14.12S**±.062	**166.4E**±.11	**14**	**4.5b**,3.1s	**63**	**4-153**
EIDC	IV 26 01 12 00.6	14.1S	166.6E	0	4.4b,3.8s		**¶97iv4448**
NEIC	IV 26 01 12 04.5	14.16S	166.48E	33	4.7b		
MOS	IV 26 01 12 04.9	14.1S	166.3E	33	4.5b		
BJI	IV 26 01 12 06.0	13.30S	166.50E	14	4.9b		
ISC	**IV 26 03 04 07.4**±.88	**13.4S**±.11	**166.5E**±.18	**33**	**4.0b**	**17**	**5-153**
EIDC	IV 26 03 04 03.4	13.5S	166.7E	0	4.0b		**¶97iv4456**
NEIC	IV 26 03 04 07.6	13.46S	166.52E	33	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 26 04 02 19**±1.2	**13.6S**±.13	**166.4E**±.19	**33**	**4.0b**	**14**	**4-153**
EIDC	IV 26 04 02 14.9	13.5S	166.5E	0	4.0b		**¶97iv4462**
NEIC	IV 26 04 02 18.7	13.60S	166.38E	33			
NEIC	Less reliable solution.						
EIDC	**IV 26 06 04 22.8**	**13.5S**	**166.4E**	**0**	**3.7b**		**9-147**
							¶97iv4476
ISC	**IV 26 07 10 04**±3.1	**14.8S**±.34	**166.0E**±.23	**33**	**3.7b,3.7s**	**19**	**4-147**
EIDC	IV 26 07 09 54.9	13.8S	166.4E	0	3.7b,3.0s		**¶97iv4484**
NEIC	IV 26 07 10 01.3	14.57S	166.21E	33			
NEIC	Less reliable solution.						
ISC	**IV 26 08 25 38.7**±.48	**13.54S**±.052	**166.54E**±.092	**33**	**4.6b,3.5s**	**74**	**4-153**
EIDC	IV 26 08 25 33.7	13.7S	166.9E	0	4.6b,3.5s		**¶97iv4499**
BJI	IV 26 08 25 38.1	13.60S	166.70E	33	4.8b,5.1s		
NEIC	IV 26 08 25 38.1	13.58S	166.67E	33	4.8b		
MOS	IV 26 08 25 39.2	13.6S	166.5E	33	4.9b		
ISC	**IV 26 09 27 17**±4.9	**13.19S**±.098	**166.4E**±.14	**19**±34	**4.2b**	**31**	**5-152**
EIDC	IV 26 09 27 10.4	14.3S	167.4E	0	4.2b		**¶97iv4514**
NEIC	IV 26 09 27 18.2	13.23S	166.51E	33	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 26 09 46 29.0**±.43	**13.34S**±.055	**166.30E**±.083	**33**	**4.5b,**4.8s	**55**	**5-152**
EIDC	IV 26 09 46 24.7	13.3S	166.4E	0	4.3b		**¶97iv4517**
BJI	IV 26 09 46 28.4	13.40S	166.40E	33	5.1b,5.0s		
NEIC	IV 26 09 46 28.4	13.42S	166.44E	33	4.8b		
MOS	IV 26 09 46 28.7	13.6S	166.6E	33	5.3b		
ISC	**IV 26 12 26 04.7**±.49	**13.29S**±.070	**166.4E**±.10	**33**	**4.4b,3.7s**	**38**	**5-147**
EIDC	IV 26 12 26 03.4	13.3S	166.4E	16	4.2b,3.5s		**¶97iv4550**
NEIC	IV 26 12 26 04.4	13.26S	166.41E	33	4.5b		
BJI	IV 26 12 26 09.8	12.41S	165.64E	22	4.9b,4.8s		
ISC	**IV 26 13 32 21.4**±.81	**13.6S**±.10	**166.4E**±.14	**33**	**4.2b,**2.9s	**20**	**8-147**
EIDC	IV 26 13 32 16.9	13.8S	166.6E	0	4.2b,3.0s		**¶97iv4558**
NEIC	IV 26 13 32 21.5	13.64S	166.38E	33	4.2b		
NEIC	Less reliable solution.						
EIDC	**IV 26 23 06 41.3**	**20.7S**	**169.0E**	**0**	**3.0s,4.0b**		**3-148**
							¶97iv4620
ISC	**IV 27 00 31 34.3**±.86	**19.12S**±.028	**168.68E**±.031	**51**±7.8	**5.7b,5.6s**	**615**	**1-170**
MOS	IV 27 00 31 32.2	19.1S	168.8E	33	6.2b,5.6s		**¶97iv4633**
BJI	IV 27 00 31 32.4	18.72S	169.04E	33	6.3b,5.6s		
NEIC	IV 27 00 31 32.5	19.17S	168.73E	42	5.8b,5.6s		
EIDC	IV 27 00 31 38.8	19.0S	168.7E	82	5.1b,5.0s		
HRVD	IV 27 00 31 39.6±.1	19.13S±.01	168.31E±.01	47			
NEIC	Mw6.1(GS), Me5.8(GS)						
NEIC	Mw 6.0 (HRV). Felt at Port-Vila.						
NEIC	Radiated energy from the P−wave first−motion solution: 1.2±0.3×10^{13}Nm/13						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S160°,δ45°,λ105°. NP2:ϕ_S319°,δ47°,λ75°. Principal axes: T Plg79°,Azm155°; P Plg1°,Azm59°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s34, scale 10^{18}Nm; M_{rr}1.45; $M_{\theta\theta}$−0.37; $M_{\phi\phi}$−1.08; $M_{r\theta}$−0.13; $M_{r\phi}$−0.13; $M_{\theta\phi}$0.47. Depth 39km; Principal axes: T 1.47,Plg84°,Azm143°; N −0.15,Plg6°, Azm334°; P −1.31,Plg1°,Azm244°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S327°,δ44°, λ81°. NP2:ϕ_S160°,δ47°,λ99°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c86; Mantle waves: s32,c44; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}1.20±.01; $M_{\theta\theta}$0.08±.01; $M_{\phi\phi}$−1.28±.01; $M_{r\theta}$0.02±.02; $M_{r\phi}$−0.09±.02; $M_{\theta\phi}$0.30±.01. Principal Axes: T 1.21,Plg88°,Azm73°; N 0.14,Plg0°,Azm168°; P −1.34,Plg2°,Azm258°. Best double couple: $M_0$1.3×10^{18}Nm, NP1:ϕ_S348°,δ43°,λ90°. NP2:ϕ_S168°,δ47°,λ90°.						
ISC	**IV 27 03 55 56**±1.1	**13.5S**±.11	**166.5E**±.22	**33**	**3.8b**	**11**	**9-129**
EIDC	IV 27 03 55 52.3	13.4S	166.5E	0	3.9b		**¶97iv4656**
ISC	**IV 27 07 08 06**±1.1	**18.91S**±.056	**168.69E**±.085	**86**±9.4	**4.3b**	**83**	**1-158**
MOS	IV 27 07 08 03.0	18.9S	168.7E	63	5.1b		**¶97iv4682**
NEIC	IV 27 07 08 08.0	19.05S	168.70E	104	4.6b		
BJI	IV 27 07 08 09.8	18.83S	168.09E	104	4.4b		
EIDC	IV 27 07 08 09.8	19.4S	168.9E	119	4.0b		
NEIC	Less reliable solution.						
ISC	**IV 27 13 01 58**±5.3	**13.1S**±.21	**166.3E**±.18	**55**±49	**4.0b**	**12**	**5-96**
EIDC	IV 27 13 01 51.8	13.1S	166.4E	0	4.1b		**¶97iv4726**
NEIC	IV 27 13 01 55.2	13.07S	166.36E	33	4.2b		
NEIC	Poor solution.						
ISC	**IV 27 14 28 25**±1.6	**13.32S**±.056	**166.34E**±.084	**38**±14	**4.8b,4.8s**	**118**	**5-152**
EIDC	IV 27 14 28 19.9	13.4S	166.5E	0	4.7b,4.4L		**¶97iv4747**
NEIC	IV 27 14 28 23.0	13.32S	166.47E	33	4.9b,4.8s		
MOS	IV 27 14 28 24.0	13.3S	166.4E	33	5.4b		
BJI	IV 27 14 28 25.0	12.45S	165.89E	5	4.9b,5.2s		
ISC	**IV 27 15 33 20**±1.7	**16.6S**±.18	**168.2E**±.28	**33**	**3.9b**	**5**	**6-88**
EIDC	IV 27 15 33 15.2	17.0S	168.5E	0	3.6b		**¶97iv4756**
NEIC	IV 27 15 33 20.1	16.65S	168.20E	33	4.5b		
NEIC	Poor solution.						
ISC	**IV 28 01 22 33**±5.1	**13.27S**±.052	**166.47E**±.069	**5**±30	**5.1b,5.3s**	**220**	**5-169**
EIDC	IV 28 01 22 33.5	13.4S	166.5E	0	4.8b,4.9s		**¶97iv4820**
NEIC	IV 28 01 22 36.8	13.28S	166.47E	33	5.2b,5.4s		
HRVD	IV 28 01 22 37.8±.5	13.41S±.06	166.29E±.06	15			
BJI	IV 28 01 22 37.9	12.71S	166.57E	21	5.4b,5.3s		
MOS	IV 28 01 22 38.2	13.2S	166.2E	33	5.7b,5.0s		
NEIC	Mw5.5(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c32; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.62±.05; $M_{\theta\theta}$0.46±.08; $M_{\phi\phi}$−1.08±.07; $M_{r\theta}$1.07±.12; $M_{r\phi}$−1.36±.16; $M_{\theta\phi}$−0.01±.04. Principal Axes: T 1.98,Plg50°,Azm32°; N −0.03, Plg21°,Azm150°; P −1.95,Plg32°,Azm254°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_S33°,δ24°,λ155°. NP2:ϕ_S146°,δ80°,λ68°.						
ISC	**IV 28 01 54 06**±2.2	**13.3S**±.21	**166.2E**±.23	**33**	**4.4b**	**12**	**5-152**
NEIC	IV 28 01 54 07.8	13.51S	166.01E	33	4.5b		**¶97iv4826**
EIDC	IV 28 01 54 16.0	13.0S	164.3E	0	4.1b		
NEIC	Poor solution.						
ISC	**IV 28 02 25 30**±2.9	**13.2S**±.45	**166.0E**±.48	**33**	**3.9b**	**6**	**31-95**
EIDC	IV 28 02 25 26.2	13.2S	166.1E	0	4.0b		**¶97iv4831**
ISC	**IV 28 04 17 08**±1.4	**13.8S**±.15	**166.5E**±.22	**33**	**3.9b,**2.9s	**7**	**4-86**
EIDC	IV 28 04 17 01.1	14.6S	167.2E	0	3.9b,3.1s		**¶97iv4848**
NEIC	IV 28 04 17 07.7	13.73S	166.47E	33	4.4b		
NEIC	Poor solution.						
EIDC	**IV 28 06 01 34.2**	**15.5S**	**168.3E**	**0**	**3.8b,**2.7s		**2-87**
							¶97iv4861
ISC	**IV 28 09 41 33.0**±.76	**13.27S**±.088	**166.4E**±.16	**33**	**4.3b**	**17**	**9-152**
EIDC	IV 28 09 41 28.9	13.1S	166.4E	0	4.2b		**¶97iv4885**
BJI	IV 28 09 41 32.8	13.30S	166.30E	33	4.8b		
NEIC	IV 28 09 41 32.8	13.30S	166.31E	33	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 28 13 55 40**±1.7	**13.39S**±.097	**166.24E**±.092	**56**±16	**4.2b**	**19**	**5-97**
NEIC	IV 28 13 55 37.7	13.40S	166.32E	33	4.6b		**¶97iv4931**
EIDC	IV 28 13 55 39.1	13.5S	166.4E	32	3.9b,4.6L		
NEIC	Less reliable solution.						
ISC	**IV 29 01 25 51.0**±.90	**14.0S**±.12	**166.2E**±.19	**33**	**3.9b**	**12**	**4-153**
EIDC	IV 29 01 25 47.6	13.9S	166.2E	0	3.9b		**¶97iv4999**
NEIC	IV 29 01 25 50.9	14.05S	166.21E	33			
NEIC	Less reliable solution.						
ISC	**V 01 00 58 16**±3.3	**13.5S**±.17	**166.3E**±.15	**74**±30	**3.8b**	**15**	**5-147**
EIDC	V 01 00 58 07.1	13.5S	166.5E	0	3.9b		**¶97v0004**
NEIC	V 01 00 58 10.8	13.40S	166.41E	33	4.6b		
NEIC	Less reliable solution.						
ISC	**V 01 02 41 03.4**±.58	**13.44S**±.068	**166.4E**±.12	**33**	**4.5b,4.0s**	**72**	**5-153**
EIDC	V 01 02 40 56.6	13.9S	167.0E	0	4.4b,3.7s		**¶97v0017**
BJI	V 01 02 41 01.0	13.81S	166.96E	41	5.0b		
NEIC	V 01 02 41 03.3	13.38S	166.38E	33	4.8b,4.7s		
MOS	V 01 02 41 03.5	13.3S	166.8E	33	5.3b		
NEIC	Less reliable solution.						
ISC	**V 01 03 10 46**±6.2	**13.66S**±.068	**166.22E**±.071	**9**±37	**5.0b,4.6s**	**149**	**4-153**
NEIC	V 01 03 10 48.8	13.64S	166.26E	33	5.0b,4.8s		**¶97v0019**
BJI	V 01 03 10 49.0	13.55S	166.68E	38	5.0b,4.9s		
MOS	V 01 03 10 49.6	13.7S	166.2E	33	5.5b,4.7s		
EIDC	V 01 03 10 55.1	13.7S	166.2E	68	4.5b,4.4s		
ISC	**V 01 17 29 17**±8.1	**13.0S**±.11	**166.7E**±.17	**4**±48	**4.0b**	**17**	**5-148**
EIDC	V 01 17 29 12.4	14.7S	167.8E	0	3.8b		**¶97v0131**
NEIC	V 01 17 29 15.8	14.35S	167.77E	33	4.2b		
NEIC	Poor solution.						
ISC	**V 01 17 39 09**±7.2	**13.13S**±.083	**166.6E**±.14	**10**±42	**4.4b,**3.1s	**45**	**5-152**
EIDC	V 01 17 39 08.5	13.3S	166.7E	0	4.2b,3.1s		**¶97v0132**
NEIC	V 01 17 39 11.9	13.14S	166.69E	33	4.5b		
MOS	V 01 17 39 12.9	13.2S	166.5E	33	4.6b		
BJI	V 01 17 39 14.5	12.56S	167.07E	36	4.7b		
NEIC	Less reliable solution.						
ISC	**V 01 18 07 02**±3.3	**13.05S**±.097	**166.2E**±.13	**56**±31	**4.6b,3.4s**	**107**	**5-152**
EIDC	V 01 18 06 54.1	13.3S	166.5E	0	4.5b,3.4s		**¶97v0134**
MOS	V 01 18 06 57.1	13.1S	166.5E	33	4.8b		
BJI	V 01 18 06 57.4	13.10S	166.50E	33	4.8b		
NEIC	V 01 18 06 57.4	13.10S	166.48E	33	4.7b		
NEIC	Less reliable solution.						
ISC	**V 01 18 55 01**±1.2	**13.3S**±.13	**166.2E**±.22	**33**	**3.8b,**2.7s	**19**	**5-147**
EIDC	V 01 18 54 56.5	13.5S	166.5E	0	3.8b,2.7s		**¶97v0138**
NEIC	V 01 18 54 59.7	13.45S	166.43E	33			
NEIC	Poor solution.						
ISC	**V 03 17 07 27**±4.5	**13.9S**±.30	**166.1E**±.21	**68**±39	**4.2b**	**15**	**4-153**
EIDC	V 03 17 07 18.9	13.7S	166.1E	0	4.2b		**¶97v0471**
NEIC	V 03 17 07 23.0	13.77S	166.05E	33	4.7b		
NEIC	Poor solution.						
ISC	**V 05 19 44 04**±1.5	**13.4S**±.13	**166.3E**±.19	**33**	**3.8b,**2.7s	**14**	**5-147**
EIDC	V 05 19 43 57.6	13.5S	166.9E	0	3.8b,2.7s		**¶97v0842**
NEIC	V 05 19 43 58.2	13.13S	166.94E	33			
NEIC	Poor solution.						
ISC	**V 05 20 07 05**±3.1	**13.5S**±.16	**166.0E**±.11	**66**±29	**4.3b**	**26**	**5-152**
NEIC	V 05 20 07 00.9	13.33S	166.05E	33	4.5b		**¶97v0843**
EIDC	V 05 20 07 03.3	13.3S	166.2E	47	4.1b,3.6s		
NEIC	Less reliable solution.						
ISC	**V 06 03 39 56**±1.2	**13.7S**±.16	**166.3E**±.17	**100**	**3.6b**	**9**	**4-153**
EIDC	V 06 03 39 42.7	13.7S	166.7E	0	3.8b		**¶97v0900**
NEIC	V 06 03 39 47.4	13.67S	166.48E	33			
NEIC	Poor solution.						
ISC	**V 06 06 45 48**±1.4	**18.8S**±.16	**169.5E**±.21	**260**±8.9	**4.2b**	**19**	**2-149**
NEIC	V 06 06 45 44.0	18.13S	169.17E	200	4.3b		**¶97v0921**
EIDC	V 06 06 46 00.9	18.5S	169.0E	358	3.6b		
NEIC	Poor solution.						
ISC	**V 06 08 53 37**±2.6	**13.4S**±.13	**166.2E**±.11	**91**±27	**4.1b**	**29**	**5-152**
EIDC	V 06 08 53 26.2	13.4S	166.5E	0	4.1b,3.3s		**¶97v0937**
NEIC	V 06 08 53 30.3	13.35S	166.40E	33	4.4b		
NEIC	Less reliable solution.						
ISC	**V 06 13 00 52**±1.1	**13.1S**±.14	**166.1E**±.17	**33**	**3.8b**	**8**	**5-147**
EIDC	V 06 13 00 49.8	12.9S	166.1E	0	3.9b		**¶97v0964**
EIDC	**V 06 17 00 12.1**	**18.0S**	**169.7E**	**0**	**4.0b**		**5-149**
							¶97v0987
ISC	**V 06 20 45 37**±1.1	**13.7S**±.12	**166.3E**±.22	**33**	**3.9b,**2.8s	**10**	**8-147**
EIDC	V 06 20 45 33.8	13.6S	166.3E	0	4.1b,2.8s		**¶97v1009**
NEIC	V 06 20 45 37.3	13.67S	166.28E	33			
NEIC	Poor solution.						
EIDC	**V 08 22 35 53.9**	**13.4S**	**166.6E**	**0**	3.8b,4.2L		**8-148**
							¶97v1320
ISC	**V 09 02 47 27**±1.4	**14.7S**±.11	**167.46E**±.090	**248**±14	**4.2b**	**84**	**3-169**
NEIC	V 09 02 47 26.1	14.74S	167.44E	241	4.4b		**¶97v1349**
EIDC	V 09 02 47 27.5	14.7S	167.4E	244	4.0b		
MOS	V 09 02 47 31.0	14.9S	167.4E	283	4.7b		
NEIC	Less reliable solution.						
EIDC	**V 09 22 19 48.6**	**13.6S**	**168.3E**	**0**	**4.2b**		**4-34**
							¶97v1493
ISC	**V 10 03 49 58**±1.4	**14.4S**±.15	**167.2E**±.22	**150**	**3.8b**	**12**	**3-148**
EIDC	V 10 03 49 41.0	14.2S	167.6E	0	4.0b		**¶97v1519**
NEIC	V 10 03 49 44.9	14.38S	167.54E	33	4.1b		
NEIC	Poor solution.						
ISC	**V 11 09 28 32.7**±.82	**19.0S**±.12	**169.2E**±.15	**150**	**3.8b**	**15**	**2-148**
EIDC	V 11 09 28 14.9	19.1S	169.5E	0	3.7b		**¶97v1764**
NEIC	V 11 09 28 18.6	19.12S	169.38E	33	4.4b		
NEIC	Poor solution.						
ISC	**V 11 18 14 36.2**±.79	**17.64S**±.045	**168.11E**±.067	**67**±7.3	**4.8b**	**119**	**0-157**
NEIC	V 11 18 14 32.2	17.54S	168.19E	33	4.9b		**¶97v1822**
MOS	V 11 18 14 33.2	17.6S	168.1E	33	5.4b		
BJI	V 11 18 14 34.8	17.03S	167.82E	27	5.2b		
EIDC	V 11 18 14 34.8	17.6S	168.3E	48	4.5b,3.9s		
ISC	**V 11 22 37 20**±1.2	**19.16S**±.070	**168.74E**±.083	**43**±11	**4.6b,5.6s**	**135**	**2-166**
BJI	V 11 22 37 18.4	19.13S	168.72E	34	4.8b,5.7s		**¶97v1855**
NEIC	V 11 22 37 19.2	19.07S	168.77E	33	4.8b		
MOS	V 11 22 37 20.0	19.2S	168.7E	33	5.2b		
EIDC	V 11 22 37 27.6	19.1S	168.7E	96	4.1b		

EIDC V 12 12 36 59.3 13.1S 166.3E 0 3.7b,2.7s **31-152**
¶97v1960
ISC V 12 16 15 08±1.8 **19.1S**±.16 **169.5E**±.26 **256**±9.3 **3.9b 15 2-149**
NEIC V 12 16 15 06.6 19.23S 169.61E 250 4.4b **¶97v2004**
EIDC V 12 16 15 11.9 19.1S 169.4E 280 3.6b
NEIC Poor solution.
ISC V 12 20 52 12±4.3 **13.6S**±.23 **166.3E**±.22 **81**±49 **4.1b 17 4-147**
NEIC V 12 20 52 08.2 13.57S 166.30E 42 4.5b **¶97v2043**
EIDC V 12 20 52 09.8 13.6S 166.4E 41 3.9b,3.6s
NEIC Poor solution.
ISC V 12 21 58 43.1±.90 **13.6S**±.10 **166.5E**±.16 **33 4.0b,**3.1s **16 4-147**
NEIC V 12 21 58 43.0 13.64S 166.46E 33 4.6b **¶97v2054**
EIDC V 12 21 58 43.8 13.7S 166.6E 29 3.9b,3.1s
NEIC Poor solution.
ISC V 13 13 21 30±1.4 **14.71S**±.067 **167.08E**±.076 **79**±13 **4.6b 132 3-154**
MOS V 13 13 21 24.3 14.7S 167.2E 33 5.1b **¶97v2259**
NEIC V 13 13 21 24.5 14.61S 167.12E 33 4.7b
BJI V 13 13 21 26.1 14.19S 167.05E 28 4.9b
EIDC V 13 13 21 29.8 14.7S 167.2E 67 4.4b,3.3s
ISC V 14 21 46 26±2.4 **14.5S**±.21 **167.0E**±.25 **100 4.0b 29 3-154**
NEIC V 14 21 46 37.4 14.48S 166.82E 200 4.4b **¶97v2511**
EIDC V 14 21 46 39.3 14.5S 166.9E 210 3.6b
NEIC Poor solution.
EIDC V 15 00 18 19.6 16.2S 166.3E 568 2.8b **31-147**
¶97v2528
ISC V 15 08 22 06±2.4 **20.2S**±.32 **169.4E**±.23 **33 4.4b 10 3-148**
NEIC V 15 08 22 10.8 18.80S 168.55E 33 4.7b **¶97v2581**
EIDC V 15 08 22 11.0 18.2S 168.8E 54 3.7b
NEIC Poor solution.
ISC V 17 19 10 39±2.1 **19.51S**±.076 **169.4E**±.15 **50**±15 **4.4b,4.4s 62 2-152**
EIDC V 17 19 10 29.3 19.8S 169.9E 0 4.2b,4.0s **¶97v2974**
BJI V 17 19 10 35.5 19.40S 169.50E 33 5.1b
NEIC V 17 19 10 35.5 19.42S 169.57E 33 4.4b,4.6s
MOS V 17 19 10 37.2 19.5S 169.4E 33 5.1b
NEIC Less reliable solution.
ISC V 18 01 10 43±2.6 **19.6S**±.12 **169.7E**±.15 **68**±22 **4.4b 38 2-151**
EIDC V 18 01 10 34.9 19.5S 169.7E 0 4.4b,3.3s **¶97v3008**
NEIC V 18 01 10 38.6 19.50S 169.73E 33 4.4b,4.4s
NEIC Less reliable solution.
ISC V 18 13 41 32±2.1 **19.7S**±.11 **169.4E**±.18 **48**±16 **4.2b,**2.8s **18 2-148**
NEIC V 18 13 41 29.4 19.53S 169.48E 33 4.2b **¶97v3095**
EIDC V 18 13 41 53.1 20.4S 168.9E 204 3.7b,2.7s
NEIC Poor solution.
EIDC V 18 14 40 17.4 18.3S 168.7E 0 3.7b 4-148
¶97v3101
ISC V 19 17 13 53±1.4 **19.3S**±.20 **169.9E**±.21 **33 4.0b 9 4-149**
EIDC V 19 17 13 49.2 19.1S 170.0E 0 3.9b **¶97v3288**
NEIC V 19 17 13 52.3 19.22S 169.95E 33 4.1b
NEIC Poor solution.
ISC V 19 18 24 54±1.5 **13.4S**±.16 **165.9E**±.20 **33 3.7b 7 9-147**
EIDC V 19 18 24 54.2 12.0S 165.0E 0 3.7b,3.4L **¶97v3290**
EIDC V 20 13 39 47.3 13.5S 167.6E 0 4.1b 30-148
¶97v3406
ISC V 20 19 30 28±2.3 **13.2S**±.53 **165.9E**±.50 **33 3.6b 7 20-147**
EIDC V 20 19 30 24.2 13.3S 166.2E 0 3.7b **¶97v3450**
ISC V 21 08 37 21±2.7 **13.3S**±.15 **166.1E**±.11 **80**±24 **4.0b 16 5-147**
EIDC V 21 08 37 12.0 13.5S 166.4E 0 4.0b,4.3L **¶97v3533**
NEIC V 21 08 37 15.9 13.34S 166.21E 33 4.7b
NEIC Less reliable solution.
ISC V 21 14 10 28.1±.82 **20.39S**±.026 **169.23E**±.028 **69**±7.6 **5.7b 637 3-171**
MOS V 21 14 10 25.0 20.4S 169.4E 43 6.3b,6.4s **¶97v3565**
NEIC V 21 14 10 26.2 20.44S 169.29E 57 5.9b,6.5s
BJI V 21 14 10 26.7 20.32S 169.69E 69 5.7b,6.5s
EIDC V 21 14 10 29.1 20.4S 169.3E 69 5.5b,5.8s
HRVD V 21 14 10 35.0±.1 20.34S 169.03E±.01 64
NEIC Mw6.8(HRV), Me6.5(GS
NEIC Radiated energy from the P−wave first−motion solution: 1.1±0.2×10^{14}Nm/20
NEIC Mw 6.6 (GS). Ms 6.1 (BRK). Felt I=V MM at Noumea, New Caledonia. Also felt at Port-Vila. Mo=2.3×10^{19}Nm (PPT).
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S191°,δ71°,λ140°. NP2:ϕ_S296°,δ53°,λ24°. Principal axes: T Plg41°,Azm147°; P Plg12°,Azm247°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}3.19; $M_{\theta\theta}$0.32; $M_{\phi\phi}$−3.51; $M_{r\theta}$0.24; $M_{r\phi}$−7.90; $M_{\theta\phi}$3.11. Depth 53km; Principal axes: T 8.71,Plg53°,Azm108°; N 0.80,Plg18°, Azm353°; P −9.50,Plg31°,Azm252°. Best double couple: $M_0$9.1×10^{18}Nm; NP1:ϕ_S298°,δ22°, λ34°. NP2:ϕ_S177°,δ78°,λ108°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s60,c152; Mantle waves: s55,c133; Half duration: 1s0. Moment tensor: Scale 10^{19}Nm; M_{rr}0.07±.01; $M_{\theta\theta}$−0.17±.00; $M_{\phi\phi}$0.10±.00; $M_{r\theta}$0.01±.01; $M_{r\phi}$−0.98±.01; $M_{\theta\phi}$1.05±.00. Principal Axes: T 1.46,Plg31°,Azm123°; N −0.03,Plg47°,Azm353°; P −1.44,Plg27°,Azm230°. Best double couple: $M_0$1.5×10^{19}Nm, NP1:ϕ_S268°,δ47°,λ3°. NP2:ϕ_S176°,δ88°,λ137°.
ISC V 22 15 41 16±3.7 **20.7S**±.19 **169.4E**±.18 **53**±29 **4.1b 15 3-148**
NEIC V 22 15 41 26.4 20.87S 169.29E 150 4.1b **¶97v3791**
EIDC V 22 15 41 30.0 21.0S 169.2E 171 3.8b
NEIC Less reliable solution.
ISC V 22 17 00 33±4.6 **20.8S**±.48 **170.1E**±.57 **33 3.9b,**2.6s **10 4-148**
EIDC V 22 17 00 29.1 21.8S 170.4E 0 3.9b,2.8s **¶97v3806**
ISC V 23 03 43 45±3.8 **20.9S**±.19 **170.1E**±.45 **33 3.9b 8 4-148**
EIDC V 23 03 43 41.8 20.8S 170.0E 0 3.9b **¶97v3879**
EIDC V 23 08 45 42.2 14.1S 167.7E 0 3.3b 32-149
¶97v3919
ISC V 23 10 26 13±2.2 **14.0S**±.48 **167.1E**±.51 **33 3.7b 6 21-86**
EIDC V 23 10 26 09.6 13.9S 167.2E 0 3.6b **¶97v3935**
ISC V 23 23 05 49±1.4 **13.4S**±.15 **167.0E**±.24 **200 4.0b 11 9-148**
EIDC V 23 23 05 48.2 13.6S 167.2E 187 3.7b **¶97v4017**
NEIC V 23 23 05 49.1 13.45S 166.98E 200 4.3b
NEIC Poor solution.
ISC V 24 04 51 45.4±.82 **13.7S**±.13 **166.6E**±.14 **150 3.8b 15 4-148**
EIDC V 24 04 51 27.1 13.9S 166.9E 0 4.0b,2.9s **¶97v4053**
NEIC V 24 04 51 34.1 13.16S 166.45E 33 4.1b
NEIC Poor solution.
ISC V 24 13 15 58.9±.31 **13.05S**±.041 **166.16E**±.057 **33 5.0b,5.0s 159 5-152**
NEIC V 24 13 15 58.5 13.01S 166.17E 33 5.1b,5.1s **¶97v4113**
MOS V 24 13 15 58.8 13.0S 166.1E 33 5.7b,5.0s
HRVD V 24 13 15 59.5±.6 13.41S±.06 166.44E±.06 24±5.7
BJI V 24 13 15 59.6 12.44S 166.39E 25 5.2b,5.2s
EIDC V 24 13 16 01.3 13.0S 166.2E 43 4.6b,4.4s
NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.12±.04; $M_{\theta\theta}$−1.01±.06; $M_{\phi\phi}$0.89±.08; $M_{r\theta}$−0.35±.12; $M_{r\phi}$−0.38±.12; $M_{\theta\phi}$0.35±.04. Principal Axes: T 1.15,Plg24°,Azm103°; N 0.00, Plg62°,Azm251°; P −1.14,Plg13°,Azm7°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S143°, δ63°,λ172°. NP2:ϕ_S237°,δ83°,λ27°.
NEIC V 24 13 19 28.7 14.57S 166.64E 33 3-147
EIDC V 24 13 19 24.3 14.7S 166.8E 0 4.3b **¶97v4115**
NEIC Poor solution.
ISC V 26 00 42 14±1.4 **13.1S**±.14 **166.2E**±.19 **33 4.0b 11 9-152**
EIDC V 26 00 42 10.0 13.4S 166.5E 0 4.0b **¶97v4345**
NEIC V 26 00 42 13.6 13.23S 166.29E 33 4.4b
NEIC Poor solution.
ISC V 26 11 22 17±6.0 **13.3S**±.33 **166.3E**±.19 **63**±61 **4.2b 19 5-152**
EIDC V 26 11 22 10.2 13.1S 166.3E 0 4.1b **¶97v4407**
NEIC V 26 11 22 13.4 13.33S 166.32E 33 4.3b
NEIC Less reliable solution.
ISC V 31 12 56 09±2.3 **13.64S**±.090 **166.3E**±.10 **42**±22 **4.3b,4.0s 50 4-153**
EIDC V 31 12 56 02.4 13.6S 166.8E 0 4.2b,3.9s **¶97v5193**
NEIC V 31 12 56 07.0 13.56S 166.34E 33 4.8b,4.3s
BJI V 31 12 56 07.3 13.97S 166.47E 40 4.8b
MOS V 31 12 56 07.4 13.6S 166.4E 33 5.0b
NEIC Less reliable solution.
EIDC VI 03 00 20 31.8 19.5S 168.8E 0 4.0b 27-145
¶97vi0357
ISC VI 03 01 03 29±4.4 **13.4S**±.17 **166.6E**±.10 **36**±41 **4.2b,**3.4s **41 5-153**
EIDC VI 03 01 03 34.9 13.7S 166.7E 84 3.9b,3.5s **¶97vi0363**
NEIC VI 03 01 03 35.2 13.79S 166.69E 100
NEIC Less reliable solution.
ISC VI 03 13 17 28.0±.93 **17.5S**±.11 **167.9E**±.11 **33 3.9b 15 0-149**
EIDC VI 03 13 17 26.5 17.2S 167.5E 0 3.9b **¶97vi0464**
ISC VI 03 13 23 59±2.1 **17.37S**±.081 **167.85E**±.094 **18**±16 **4.6b,**3.3s **91 0-153**
EIDC VI 03 13 23 57.0 17.4S 167.9E 0 4.4b,3.3s **¶97vi0466**
NEIC VI 03 13 24 00.8 17.31S 167.75E 33
BJI VI 03 13 24 02.0 17.30S 167.80E 33 4.8b
MOS VI 03 13 24 02.5 17.3S 167.6E 33 5.1b
NEIC Single network solution.
NEIC Felt at Port-Vila.
ISC VI 03 17 08 32±2.6 **13.8S**±.30 **166.2E**±.30 **33 3.9b 7 4-147**
EIDC VI 03 17 08 26.0 13.4S 166.5E 0 4.0b **¶97vi0493**
EIDC VI 04 13 33 16.7 13.9S 166.9E 0 3.8b 8-148
¶97vi0621
ISC VI 05 12 21 54.8±.84 **13.1S**±.10 **166.1E**±.13 **100 4.1b 19 5-152**
EIDC VI 05 12 21 41.3 13.2S 166.6E 0 4.3b **¶97vi0765**
NEIC VI 05 12 21 45.8 13.14S 166.45E 33 4.3b
NEIC Poor solution.
ISC VI 08 17 46 03±1.4 **13.3S**±.15 **166.5E**±.16 **53**±4.8* **3.6b,**2.7s **7 5-85**
EIDC VI 08 17 46 05.7 13.0S 166.1E 52 3.4b,2.7s **¶97vi1271**
ISC VI 09 01 21 31±4.4 **19.49S**±.073 **169.5E**±.14 **27**±29 **4.7b,4.8s 125 2-159**
BJI VI 09 01 21 30.8 19.46S 169.85E 37 4.8b,5.0s **¶97vi1306**
NEIC VI 09 01 21 31.7 19.62S 169.64E 33 4.8b,5.0s
MOS VI 09 01 21 32.5 19.5S 169.6E 33 5.3b,4.6s
HRVD VI 09 01 21 36.0±.5 18.91S±.08 169.44E±.08 15
EIDC VI 09 01 21 39.7 19.8S 169.5E 88 4.2b,4.3s
NEIC Mw5.2(HRV), Less reliable solution.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c32; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.43±.28; $M_{\theta\theta}$3.29±.45; $M_{\phi\phi}$2.15±.45; $M_{r\theta}$−4.64±1.24; $M_{r\phi}$−0.16±1.46; $M_{\theta\phi}$−2.81±.30. Principal Axes: T 6.71,Plg18°,Azm210°; N 0.90,Plg18°,Azm114°; P −7.61,Plg64°,Azm342°. Best double couple: $M_0$7.2×10^{16}Nm, NP1: ϕ_S327°,δ31°,λ−53°. NP2:ϕ_S106°,δ65°,λ−110°.
ISC VI 09 01 43 17±2.8 **19.5S**±.12 **169.4E**±.25 **41**±21 **4.1b,**2.9s **15 2-148**
NEIC VI 09 01 43 29.6 19.51S 169.24E 150 4.7b **¶97vi1310**
EIDC VI 09 01 43 32.9 19.3S 169.0E 160 3.7b,3.4s
NEIC Poor solution.
ISC VI 10 00 12 23±3.9 **13.3S**±.17 **166.5E**±.17 **70**±40 **4.3b 38 5-152**
EIDC VI 10 00 12 13.1 13.5S 167.1E 0 4.3b,3.7s **¶97vi1453**
NEIC VI 10 00 12 18.0 13.46S 166.67E 33
BJI VI 10 00 12 18.2 13.65S 166.59E 29 4.9b
NEIC Less reliable solution.
ISC VI 10 08 10 32±1.2 **19.1S**±.12 **169.7E**±.16 **282**±9.1 **4.1b 17 2-149**
EIDC VI 10 08 10 33.6 19.1S 169.6E 277 3.8b **¶97vi1492**
NEIC VI 10 08 10 33.7 19.17S 169.66E 300
NEIC Less reliable solution.
ISC VI 11 10 39 25±7.2 **17.4S**±.22 **167.7E**±.30 **1**±51 **4.0b 8 1-89**
EIDC VI 11 10 39 28.2 17.1S 167.5E 0 4.0b **¶97vi1672**
NEIC VI 11 10 39 29.0 17.50S 167.89E 33
NEIC Less reliable solution.
ISC VI 15 14 21 15±2.8 **17.1S**±.28 **168.0E**±.26 **100 3.8b 7 1-33**
EIDC VI 15 14 20 45.4 12.4S 168.8E 0 3.7b **¶97vi2312**
ISC VI 15 19 38 04±2.3 **16.0S**±.33 **168.9E**±.40 **24 3.8b 9 6-149**
EIDC VI 15 19 38 07.0 15.9S 168.8E 24 3.7b **¶97vi2348**
ISC VI 15 20 07 22±2.3 **13.15S**±.097 **165.6E**±.13 **42**±21 **4.0b 16 7-147**
EIDC VI 15 20 07 17.3 13.2S 165.8E 0 4.0b,4.0L **¶97vi2351**
NEIC VI 15 20 07 21.5 13.15S 165.64E 33 4.2b
NEIC Less reliable solution.
ISC VI 15 23 33 12.1±.78 **15.71S**±.087 **167.4E**±.14 **33 4.2b 52 2-150**
EIDC VI 15 23 33 07.7 15.6S 167.4E 0 4.2b **¶97vi2376**
NEIC VI 15 23 33 12.0 15.66S 167.30E 33 4.3b
BJI VI 15 23 33 12.1 15.85S 167.23E 31 4.9b
NEIC Less reliable solution.
ISC VI 16 19 21 32±4.3 **20.9S**±.81 **169.5E**±.53 **33** 3.7b,2.6s **19 3-152**
EIDC VI 16 19 21 31.7 20.5S 168.9E 0 2.6s,3.8b **¶97vi2504**
NEIC VI 16 19 21 32.2 20.88S 169.45E 33 4.0b
NEIC Poor solution.
ISC VI 17 14 57 24±1.4 **14.8S**±.13 **168.1E**±.23 **33 3.9b,**2.9s **9 7-149**
EIDC VI 17 14 57 21.7 14.6S 168.0E 0 4.0b,2.9s **¶97vi2647**
NEIC VI 17 14 57 23.9 14.83S 168.10E 33
NEIC Less reliable solution.
ISC VI 20 11 14 31±1.2 **13.2S**±.17 **166.4E**±.21 **33 4.4b,**2.7s **16 21-152**
EIDC VI 20 11 14 27.6 13.1S 166.3E 0 4.1b,2.9s **¶97vi3045**
NEIC VI 20 11 14 31.9 13.25S 166.35E 33 4.5b
NEIC Poor solution.
EIDC VI 21 07 57 59.4 13.1S 165.3E 0 4.0b **9-97**
¶97vi3179
ISC VI 25 11 09 14±1.4 **14.2S**±.16 **167.6E**±.22 **33 3.9b 7 8-86**
EIDC VI 25 11 09 11.4 13.8S 167.5E 0 3.7b **¶97vi3918**
NEIC VI 25 11 09 14.5 14.24S 167.56E 33
NEIC Poor solution.
ISC VI 25 17 22 13±1.5 **14.5S**±.10 **167.36E**±.099 **214**±16 **4.1b 112 3-154**
MOS VI 25 17 22 10.8 14.6S 167.4E 200 4.9b **¶97vi3992**
BJI VI 25 17 22 12.1 14.86S 167.56E 223 4.5b
NEIC VI 25 17 22 12.3 14.48S 167.26E 203 4.5b
EIDC VI 25 17 22 12.4 14.5S 167.4E 199 3.9b

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**27 01 39 07**±1.2	**13.4S**±.12	**166.3E**±.15	**33**	**4.2b**,3.6s	**16**	**9-147**
NEIC	VI	27 01 39 07.2	13.47S	166.31E	33	4.4b		¶97vi4218
EIDC	VI	27 01 39 27.6	13.3S	165.8E	195	3.7b,3.9s		
NEIC	Less reliable solution.							
ISC	**VI**	**28 10 37 36**±1.8	**18.8S**±.17	**169.0E**±.15	**124**±16	**4.0b**	**21**	**1-158**
EIDC	VI	28 10 37 21.0	18.6S	169.3E	0	4.1b		¶97vi4463
NEIC	VI	28 10 37 33.4	18.48S	168.95E	100	4.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**28 23 30 05**±2.7	**14.0S**±.64	**167.3E**±.63	**33**	**3.7b**	**6**	**29-148**
EIDC	VI	28 23 29 59.7	14.2S	167.7E	0	3.8b		¶97vi4542
ISC	Poorly determined							
ISC	**VI**	**29 17 22 39**±1.0	**14.92S**±.040	**167.34E**±.043	**151**±9.7	**5.0b**	**238**	**3-169**
MOS	VI	29 17 22 38.6	14.9S	167.4E	148	5.0b		¶97vi4646
EIDC	VI	29 17 22 39.0	14.8S	167.4E	141	4.4b,4.0s		
BJI	VI	29 17 22 39.1	14.84S	167.33E	151	4.9b		
NEIC	VI	29 17 22 39.1	14.89S	167.32E	151	4.9b		
HRVD	VI	29 17 22 44.6±.5	14.68S±.06	167.17E±.05	139±2.1			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c38; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.41±.45; $M_{\theta\theta}$−3.03±.77; $M_{\phi\phi}$−0.38±.75; $M_{r\theta}$−3.31±.49; $M_{r\phi}$−9.39±.51; $M_{\theta\phi}$6.69±.74. Principal Axes: T 13.9,Plg43°,Azm121°; N −3.9, Plg38°,Azm344°; P −10.0,Plg23°,Azm235°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S278°,δ41°,λ18°. NP2:ϕ_S174°,δ78°,λ129°.

ISC	**VI**	**30 22 36 34**±4.1	**20.5S**±.16	**170.4E**±.45	**33**	**4.3b**	**13**	**3-149**
NEIC	VI	30 22 36 40.2	19.75S	169.32E	33	4.3b		¶97vi4833
EIDC	VI	30 22 36 51.0	19.7S	168.9E	99	3.9b		
NEIC	Poor solution.							

(187) New Caledonia.

ISC	**I**	**22 06 31 31**±3.4	**22.1S**±.80	**168.7E**±.64	**450**	**3.2b**	**8**	**26-147**
EIDC	I	22 06 31 31.9	22.0S	168.7E	448	2.8b		¶97i3287
ISC	Poorly determined							
ISC	**II**	**08 19 54 46**±2.2	**22.1S**±.32	**168.4E**±.22	**33**	**3.9b**	**20**	**2-152**
EIDC	II	08 19 54 40.6	21.6S	168.9E	0	3.9b		¶97ii1196
NEIC	II	08 19 54 43.1	21.83S	168.94E	33			
NEIC	Poor solution.							
ISC	**II**	**10 02 53 37**±1.6	**22.2S**±.19	**168.7E**±.20	**33**	**4.7b**	**25**	**2-147**
EIDC	II	10 02 53 28.3	23.0S	169.1E	0	4.4b		¶97ii1404
BJI	II	10 02 53 34.8	22.36S	168.18E	12	5.1b		
NEIC	II	10 02 53 35.1	21.99S	168.65E	33	4.4b		
NEIC	Poor solution.							
ISC	**II**	**13 02 09 18**±2.3	**23.7S**±.30	**168.6E**±.27	**33**	**3.5b**	**5**	**3-148**
EIDC	II	13 02 09 13.6	23.7S	168.7E	0	3.6b		¶97ii1856
ISC	Poorly determined							
ISC	**II**	**19 19 45 24**±2.2	**22.7S**±.17	**168.9E**±.30	**100**	**4.1b**	**29**	**2-148**
EIDC	II	19 19 45 08.1	23.3S	169.8E	0	4.2b		¶97ii2823
NEIC	II	19 19 45 21.6	22.99S	169.37E	100	4.3b		
BJI	II	19 19 45 26.6	23.00S	169.40E	100			
NEIC	Poor solution.							
EIDC	**III**	**31 04 49 28.8**	**21.2S**	**164.9E**	**0**	**3.8b**		**23-29**
								¶97iii5843
EIDC	**V**	**16 10 43 50.5**	**20.8S**	**163.7E**	**0**	**3.6b**,3.8L		**16-93**
								¶97v2759
EIDC	**V**	**17 14 42 20.0**	**20.7S**	**165.0E**	**0**	3.5b		**29-144**
								¶97v2941
EIDC	**V**	**27 08 20 09.9**	**21.1S**	**165.8E**	**0**	**4.0b**		**24-30**
								¶97v4539
EIDC	**VI**	**29 10 06 24.7**	**21.4S**	**164.1E**	**0**	**3.9b**		**23-131**
								¶97vi4607

(188) Loyalty Islands.

ISC	**II**	**02 13 36 06**±1.4	**21.0S**±.32	**168.5E**±.22	**33**	**3.9b**	**13**	**2-146**
NEIC	II	02 13 36 04.9	20.95S	168.50E	24			¶97ii0229
EIDC	II	02 13 36 06.8	20.9S	168.6E	23	3.8b		
NEIC	Poor solution.							
EIDC	**IV**	**11 02 33 21.7**	**20.6S**	**166.8E**	**0**	**3.9b**		**25-31**
								¶97iv1785
EIDC	**IV**	**13 17 00 27.4**	**21.4S**	**168.1E**	**0**	**3.8b**		**26-32**
								¶97iv2268
ISC	**IV**	**23 18 08 45**±4.5	**20.3S**±.27	**168.3E**±.68	**43**±.4*	**4.0b**	**16**	**2-147**
NEIC	IV	23 18 08 43.0	20.39S	168.52E	33	4.0b		¶97iv4008
EIDC	IV	23 18 08 44.7	19.9S	168.5E	42	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**24 21 57 41**±1.5	**20.13S**±.098	**168.4E**±.14	**35**±13	**4.3b**	**23**	**2-148**
NEIC	IV	24 21 57 40.4	19.98S	168.35E	33	4.5b		¶97iv4216
EIDC	IV	24 21 58 05.9	20.0S	168.0E	253	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**30 03 28 25**±2.9	**21.9S**±.40	**167.8E**±.37	**33**	**3.9b**	**5**	**25-95**
EIDC	IV	30 03 28 22.7	21.9S	167.8E	0	3.9b		¶97iv5157
ISC	**V**	**21 01 39 17**±4.2	**21.1S**±.48	**168.4E**±.56	**33**	**4.2b**	**6**	**24-146**
EIDC	V	21 01 39 11.8	20.8S	168.7E	0	4.2b		¶97v3492
NEIC	V	21 01 39 15.0	20.93S	168.67E	33	4.4b		
NEIC	Poor solution.							
ISC	**V**	**29 07 05 41**±3.4	**20.9S**±.22	**168.8E**±.35	**46**±17	**4.1b**	**17**	**2-147**
EIDC	V	29 07 05 34.9	21.1S	169.1E	0	4.1b		¶97v4835
NEIC	V	29 07 05 40.5	20.95S	168.88E	50			
NEIC	Poor solution.							
EIDC	**VI**	**30 02 41 02.4**	**21.9S**	**167.4E**	**0**	**3.8b**		**25-64**
								¶97vi4700

(189) Loyalty Islands region.

ISC	**I**	**02 03 10 57**±1.6	**22.9S**±.30	**169.9E**±.18	**33**	**3.9b**	**15**	**3-148**
EIDC	I	02 03 10 59.6	21.8S	169.0E	0	3.9b		¶97i0155
NEIC	I	02 03 11 01.9	21.90S	168.97E	33			
NEIC	Poor solution.							
ISC	**I**	**02 10 28 12**±3.2	**23.3S**±.29	**169.5E**±.38	**33**	**4.0b**	**18**	**3-151**
EIDC	I	02 10 28 07.4	23.3S	169.7E	0	4.1b		¶97i0192
NEIC	I	02 10 28 10.6	23.40S	169.63E	33	4.0b		
ISC	**I**	**02 17 26 08**±3.1	**23.4S**±.35	**170.7E**±.35	**33**	**3.7b**	**8**	**4-148**
EIDC	I	02 17 26 02.2	23.3S	171.0E	0	3.8b		¶97i0253
NEIC	I	02 17 26 08.3	23.45S	170.66E	33			
NEIC	Poor solution.							
ISC	**I**	**05 09 13 21**±1.3	**23.2S**±.30	**170.7E**±.14	**33**	**3.8b**	**15**	**4-149**
EIDC	I	05 09 13 18.7	22.9S	170.5E	0	3.9b		¶97i0647
NEIC	I	05 09 13 22.8	22.78S	170.43E	33			
NEIC	Poor solution.							
EIDC	**I**	**07 21 42 06.4**	**23.0S**	**169.9E**	**0**	**3.9b**		**22-150**
								¶97i0984
ISC	**I**	**09 19 04 06**±4.8	**22.2S**±.57	**171.0E**±.42	**33**	**3.8b**	**9**	**4-148**
EIDC	I	09 19 04 13.6	22.4S	169.7E	0	3.7b		¶97i1263
ISC	**I**	**10 01 52 05**±1.6	**23.2S**±.26	**170.0E**±.18	**33**	**4.0b**	**10**	**3-154**
EIDC	I	10 01 52 06.2	23.7S	170.2E	33	3.9b		¶97i1293
NEIC	I	10 01 52 06.8	23.71S	169.84E	33			
NEIC	Poor solution.							
ISC	**I**	**14 09 15 35**±1.2	**22.34S**±.050	**171.46E**±.075	**102**±9.8	**5.0b**	**118**	**5-164**
NEIC	I	14 09 15 26.8	22.18S	171.55E	33	5.2b,4.6s		¶97i1974
MOS	I	14 09 15 27.9	22.2S	171.5E	33	5.4b		
BJI	I	14 09 15 29.2	22.15S	171.61E	52	5.1b		
EIDC	I	14 09 15 30.1	22.3S	171.6E	52	4.7b		
HRVD	I	14 09 15 35.5±.6	22.75S±.06	171.48E±.06	87±4.1			
NEIC	Mw5.3(HRV), Less reliable solution.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c26; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}4.05±.39; $M_{\theta\theta}$−7.09±.68; $M_{\phi\phi}$3.04±.73; $M_{r\theta}$−1.69±.41; $M_{r\phi}$6.74±.36; $M_{\theta\phi}$5.12±.56. Principal Axes: T 10.6,Plg44°,Azm281°; N 0.0, Plg41°,Azm136°; P −10.6,Plg18°,Azm29°. Best double couple: $M_0$1.1×10^{17}Nm, NP1:ϕ_S76°, δ45°,λ23°. NP2:ϕ_S330°,δ74°,λ133°.

ISC	**I**	**15 03 31 08**±6.4	**22.0S**±.37	**169.6E**±.47	**63**±37	**3.7b**	**37**	**3-154**
EIDC	I	15 03 31 02.0	21.3S	169.5E	0	3.8b		¶97i2091
NEIC	I	15 03 31 05.3	21.22S	169.42E	33			
NEIC	Poor solution.							
ISC	**I**	**18 09 24 17**±1.6	**22.8S**±.31	**170.6E**±.18	**33**	**3.9b**	**29**	**4-154**
NEIC	I	18 09 24 16.7	22.37S	170.49E	33	4.3b		¶97i2638
EIDC	I	18 09 24 47.7	22.4S	169.7E	282	3.2b		
NEIC	Poor solution.							
ISC	**I**	**20 20 05 25**±1.7	**22.8S**±.32	**170.8E**±.21	**33**	**4.0b**	**14**	**4-148**
EIDC	I	20 20 05 19.6	23.2S	171.2E	0	4.1b		¶97i3074
NEIC	I	20 20 05 21.9	23.47S	171.41E	33			
NEIC	Poor solution.							
ISC	**I**	**23 10 20 36**±1.5	**23.0S**±.26	**170.0E**±.18	**33**	**4.1b**	**16**	**3-149**
EIDC	I	23 10 20 32.9	23.1S	170.0E	0	4.1b		¶97i3484
NEIC	I	23 10 20 38.4	22.52S	169.54E	33	4.3b		
NEIC	Poor solution.							
EIDC	**I**	**24 00 11 02.8**	**21.8S**	**171.3E**	**0**	3.5b		**5-153**
								¶97i3570
ISC	**I**	**27 22 09 36**±1.6	**22.8S**±.31	**170.3E**±.18	**33**	**4.0b**	**16**	**4-149**
EIDC	I	27 22 09 37.1	23.0S	170.5E	30	4.1b		¶97i4133
NEIC	I	27 22 09 39.3	22.52S	169.82E	33			
NEIC	Poor solution.							
ISC	**I**	**28 10 05 51**±3.7	**22.4S**±.21	**171.2E**±.37	**100**	**4.3b**	**7**	**4-38**
								¶97i4197
ISC	**I**	**29 17 13 49**±2.5	**22.1S**±.33	**169.2E**±.26	**33**	**3.8b**	**13**	**3-147**
EIDC	I	29 17 13 51.8	22.2S	167.9E	0	3.6b		¶97i4379
ISC	**I**	**29 17 16 19**±1.9	**23.0S**±.16	**169.2E**±.21	**33**	**4.5b**	**54**	**3-163**
EIDC	I	29 17 16 08.3	23.4S	169.9E	0	4.4b		¶97i4380
NEIC	I	29 17 16 16.8	22.94S	169.30E	33	4.6b		
BJI	I	29 17 16 17.9	23.68S	169.15E	33	5.1b		
NEIC	Less reliable solution.							
ISC	**I**	**31 16 14 05**±6.2	**22.7S**±.30	**170.3E**±.43	**70**±40	**3.9b**	**14**	**4-148**
EIDC	I	31 16 14 00.3	22.6S	169.7E	0	4.0b		¶97i4648
NEIC	I	31 16 14 02.6	22.86S	170.35E	50	4.2b		
NEIC	Poor solution.							
ISC	**II**	**01 15 45 58**±1.2	**23.3S**±.20	**170.9E**±.18	**33**	**4.0b**	**15**	**4-149**
EIDC	II	01 15 45 53.5	23.4S	171.2E	0	4.1b		¶97ii0094
NEIC	II	01 15 45 59.5	23.40S	170.67E	33			
NEIC	Poor solution.							
ISC	**II**	**01 16 04 19**±2.3	**23.4S**±.28	**170.5E**±.29	**33**	**3.9b**	**8**	**4-149**
EIDC	II	01 16 04 25.8	22.3S	169.1E	0	4.0b		¶97ii0096
NEIC	II	01 16 04 29.6	22.29S	168.86E	33			
NEIC	Poor solution.							
ISC	**II**	**01 16 09 56**±1.7	**23.1S**±.29	**170.9E**±.21	**33**	**3.9b**	**10**	**4-149**
EIDC	II	01 16 09 55.8	22.5S	170.4E	0	4.0b		¶97ii0097
NEIC	II	01 16 09 57.3	22.80S	170.63E	33			
NEIC	Poor solution.							
EIDC	**II**	**03 15 37 25.1**	**23.1S**	**169.5E**	**23**	3.3b		**3-148**
								¶97ii0398
ISC	**II**	**04 07 59 49**±6.2	**22.4S**±.72	**169.3E**±.61	**33**	**3.9b**	**8**	**3-33**
EIDC	II	04 07 58 46.0	20.8S	176.6E	0	4.1b		¶97ii0487
ISC	**II**	**09 14 54 47.9**±.64	**23.0S**±.10	**169.77E**±.091	**22**	**4.5b**,4.3s	**78**	**3-155**
NEIC	II	09 14 54 47.6	23.01S	169.87E	22	4.7b		¶97ii1319
BJI	II	09 14 54 48.0	23.20S	169.49E	14	4.9b		
EIDC	II	09 14 54 49.1	23.1S	169.8E	21	4.2b,3.7s		
MOS	II	09 14 54 53.7	22.6S	169.3E	33	5.3b		
NEIC	Less reliable solution.							
EIDC	**II**	**12 01 19 00.3**	**21.0S**	**170.6E**	**0**	**3.7b**		**4-149**
								¶97ii1699
ISC	**II**	**12 02 32 03**±3.0	**24.1S**±.59	**172.5E**±.38	**33**	**4.1b**	**5**	**28-94**
EIDC	II	12 02 31 59.5	24.1S	172.6E	0	4.1b		¶97ii1708
EIDC	**II**	**13 00 15 31.0**	**21.0S**	**171.2E**	**700**	**2.7b**		**29-149**
								¶97ii1842
ISC	**II**	**13 17 19 07**±3.0	**23.1S**±.37	**170.5E**±.34	**33**	**3.9b**	**7**	**4-148**
EIDC	II	13 17 19 08.1	22.9S	170.5E	33	3.7b		¶97ii1953
ISC	**II**	**15 14 52 31**±1.8	**22.1S**±.35	**170.4E**±.20	**20**	**3.8b**	**13**	**4-148**
EIDC	II	15 14 52 32.1	22.1S	170.5E	20	3.8b		¶97ii2251
EIDC	**II**	**15 22 07 33.5**	**23.5S**	**170.4E**	**0**	**3.9b**		**27-94**
								¶97ii2300
ISC	**II**	**20 04 18 07**±1.1	**23.0S**±.30	**169.8E**±.14	**33**	**3.8b**	**10**	**3-148**
EIDC	II	20 04 18 03.2	23.2S	170.0E	0	3.9b		¶97ii2875
NEIC	II	20 04 18 06.5	23.22S	169.93E	33			
NEIC	Poor solution.							
ISC	**II**	**23 10 03 26**±2.3	**21.3S**±.20	**169.5E**±.25	**33**	**3.7b**	**8**	**3-148**
EIDC	II	23 10 03 25.2	20.4S	169.2E	0	3.8b		¶97ii3317
ISC	**II**	**25 19 17 06**±1.7	**21.3S**±.12	**169.8E**±.11	**34**±13	**4.3b**	**57**	**3-153**
NEIC	II	25 19 17 05.6	21.31S	169.78E	33	4.3b		¶97ii3675
EIDC	II	25 19 17 07.1	21.6S	169.8E	32	4.1b,4.0L		
BJI	II	25 19 17 07.6	21.22S	169.85E	54	4.5b		
NEIC	Less reliable solution.							
ISC	**II**	**25 19 45 08.8**±.90	**21.17S**±.040	**169.54E**±.040	**44**±8.1	**5.4b,5.2s**	**424**	**3-165**
BJI	II	25 19 45 06.1	21.04S	169.92E	31	5.5b,5.3s		¶97ii3682
NEIC	II	25 19 45 07.0	21.19S	169.62E	33	5.7b,5.2s		
MOS	II	25 19 45 07.6	21.1S	169.6E	33	6.0b,5.3s		
EIDC	II	25 19 45 08.5	21.1S	169.7E	34	4.7b,5.0s		
HRVD	II	25 19 45 12.0±.2	21.16S±.02	169.41E±.02	33±1.5			
NEIC	Mw5.7(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c57; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.79±.06; $M_{\theta\theta}$−0.30±.08; $M_{\phi\phi}$3.09±.09; $M_{r\theta}$0.53±.14; $M_{r\phi}$0.93±.17; $M_{\theta\phi}$1.49±.08. Principal Axes: T 3.82,Plg9°,Azm291°; N −0.85, Plg4°,Azm22°; P −2.97,Plg80°,Azm136°. Best double couple: $M_0$3.4×10^{17}Nm, NP1:ϕ_S16°,

δ36°,λ−97°. NP2:ϕ_S205°,δ54°,λ−85°.

ISC	**II**	**25 21 41 33**±1.8	**23.1S**±.27	**169.8E**±.19	**33**	**3.7b**	**8**	**3-148**
EIDC	II	25 21 41 29.6	23.1S	169.9E	0	3.7b		**¶97ii3694**
ISC	**II**	**26 13 35 37**±3.0	**21.6S**±.62	**169.9E**±.53	**33**	**3.5b**	**7**	**3-147**
EIDC	II	26 13 35 33.6	21.6S	170.0E	0	3.6b		**¶97ii3794**
NEIC	II	26 13 35 38.7	21.38S	169.67E	33			
NEIC	Poor solution.							
ISC	**II**	**28 06 54 32**±3.9	**23.01S**±.063	**170.07E**±.073	**3**±23	**5.0b,4.8s**	**132**	**3-155**
NEIC	II	28 06 54 36.1	23.07S	170.06E	33	5.0b,5.0s		**¶97ii4163**
EIDC	II	28 06 54 37.7	23.0S	170.0E	32	4.6b,4.4s		
BJI	II	28 06 54 37.8	22.66S	170.37E	40	5.1b,5.2s		
MOS	II	28 06 54 46.5	21.6S	168.7E	33	5.4b		
NEIC	Less reliable solution.							
ISC	**III**	**02 15 47 27**±2.7	**21.9S**±.43	**171.5E**±.29	**33**	**3.8b**	**8**	**5-149**
EIDC	III	02 15 47 21.7	22.7S	171.6E	0	3.8b		**¶97iii0341**
ISC	**III**	**07 11 12 55**±1.0	**22.9S**±.24	**171.0E**±.20	**33**	**4.0b**	**10**	**4-148**
NEIC	III	07 11 12 55.6	22.90S	170.96E	33			**¶97iii1504**
EIDC	III	07 11 12 58.1	22.8S	171.0E	42	3.8b		
NEIC	Poor solution.							
ISC	**III**	**09 02 05 33**±1.2	**22.1S**±.18	**171.0E**±.13	**33**	**4.3b**,3.7s	**29**	**4-153**
NEIC	III	09 02 05 32.9	22.12S	170.81E	33	4.3b		**¶97iii1886**
EIDC	III	09 02 05 37.5	22.1S	170.8E	57	3.9b,3.7s		
NEIC	Poor solution.							
ISC	**III**	**13 14 28 42.9**±.92	**23.0S**±.17	**170.6E**±.16	**36**±2.4*	**4.0b**	**14**	**4-148**
NEIC	III	13 14 28 42.8	23.05S	170.65E	33	4.1b		**¶97iii2720**
EIDC	III	13 14 28 44.5	23.0S	170.7E	35	3.8b		
NEIC	Poor solution.							
ISC	**III**	**16 12 05 21**±1.3	**23.2S**±.26	**169.8E**±.14	**33**	**3.8b**	**14**	**3-148**
EIDC	III	16 12 05 16.7	23.8S	170.2E	0	3.8b		**¶97iii3217**
NEIC	III	16 12 05 20.0	23.68S	170.10E	33			
NEIC	Poor solution.							
ISC	**III**	**17 22 14 31**±1.1	**23.8S**±.17	**171.2E**±.19	**33**	**4.1b**	**23**	**5-150**
EIDC	III	17 22 14 28.9	23.8S	170.8E	0	4.3b		**¶97iii3440**
NEIC	III	17 22 14 31.5	23.89S	170.95E	33	4.0b		
BJI	III	17 22 14 36.8	24.06S	170.64E	63	5.2b		
NEIC	Poor solution.							
ISC	**III**	**18 10 50 08**±1.6	**23.1S**±.17	**170.1E**±.21	**33**	**4.0b**	**19**	**4-148**
EIDC	III	18 10 50 06.3	23.5S	169.9E	0	4.0b		**¶97iii3521**
NEIC	III	18 10 50 08.2	23.44S	169.99E	33	4.0b		
NEIC	Poor solution.							
EIDC	**III**	**26 10 55 22.5**	**24.3S**	**171.1E**	**0**	**3.7b**		**27-34**
								¶97iii4935
ISC	**III**	**31 11 26 32**±3.3	**23.32S**±.051	**170.86E**±.070	**3**±20	**4.7b,5.0s**	**193**	**4-157**
EIDC	III	31 11 26 31.8	23.3S	171.0E	0	4.4b,4.6s		**¶97iii5881**
BJI	III	31 11 26 34.8	23.79S	171.00E	36	5.1b,5.2s		
NEIC	III	31 11 26 35.5	23.31S	170.87E	33	5.1b,5.0s		
MOS	III	31 11 26 37.5	23.4S	170.6E	33	5.4b,5.0s		
HRVD	III	31 11 26 38.7±.3	23.40S±.03	170.76E±.04	35±3.1			
NEIC	Mw5.5(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c38; Half duration: 1^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.26±.04; $M_{\theta\theta}$2.01±.08; $M_{\phi\phi}$−1.75±.07; $M_{r\theta}$0.10±.13; $M_{r\phi}$0.08±.11; $M_{\theta\phi}$0.62±.06. Principal Axes: T 2.11,Plg3°,Azm351°; N −0.26, Plg86°,Azm211°; P −1.85,Plg2°,Azm81°. Best double couple: $M_0$2.0×10^{17}Nm, NP1:ϕ_S126°, δ86°,λ0°. NP2:ϕ_S36°,δ90°,λ176°.

ISC	**IV**	**04 06 38 23**±2.9	**22.9S**±.41	**171.1E**±.31	**33**	**3.9b**	**7**	**4-149**
EIDC	IV	04 06 38 20.5	22.6S	170.9E	0	3.9b		**¶97iv0559**
ISC	**IV**	**05 22 52 10**±4.1	**22.8S**±.23	**170.7E**±.23	**35**±30	**4.0b**	**36**	**4-154**
EIDC	IV	05 22 52 09.7	23.0S	170.8E	27	3.8b		**¶97iv0871**
NEIC	IV	05 22 52 10.5	22.64S	170.65E	33	4.3b		
NEIC	Poor solution.							
EIDC	**IV**	**07 01 49 55.3**	**22.3S**	**169.4E**	**0**	**4.0b**		**33-66**
								¶97iv1085
ISC	**IV**	**08 16 42 02**±2.6	**23.2S**±.11	**169.2E**±.16	**34**±18	**4.3b**	**43**	**3-154**
EIDC	IV	08 16 41 58.3	23.3S	169.3E	0	4.3b		**¶97iv1364**
NEIC	IV	08 16 42 02.0	23.25S	169.19E	33	4.2b		
BJI	IV	08 16 42 05.9	23.44S	168.89E	58	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**12 20 45 22**±2.5	**23.3S**±.32	**169.7E**±.33	**100**	**4.0b**	**16**	**3-149**
EIDC	IV	12 20 45 09.9	23.1S	169.8E	0	4.1b		**¶97iv2128**
NEIC	IV	12 20 45 24.2	23.72S	169.40E	100	4.2b		
NEIC	Poor solution.							
EIDC	**IV**	**13 10 24 19.8**	**22.4S**	**174.4E**	**0**	**3.7b**		**31-56**
								¶97iv2220
EIDC	**IV**	**17 15 25 26.9**	**23.1S**	**170.0E**	**31**	**3.7b**		**3-148**
								¶97iv2926
ISC	**IV**	**19 21 35 02**±3.4	**23.4S**±.79	**174.4E**±.58	**33**	**3.8b**	**7**	**30-151**
EIDC	IV	19 21 34 59.9	23.0S	174.3E	0	3.7b		**¶97iv3238**
ISC	**IV**	**19 21 38 34**±1.5	**22.8S**±.23	**169.2E**±.20	**33**	**3.8b**	**14**	**3-148**
EIDC	IV	19 21 38 30.8	22.8S	169.1E	0	3.9b		**¶97iv3239**
NEIC	IV	19 21 38 36.6	22.40S	168.69E	33	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**21 18 44 17**±2.7	**22.4S**±.36	**170.2E**±.28	**33**	**3.7b**	**11**	**4-148**
EIDC	IV	21 18 44 10.9	22.6S	170.4E	0	3.9b		**¶97iv3555**
NEIC	IV	21 18 44 16.8	22.51S	170.09E	33			
NEIC	Poor solution.							
ISC	**IV**	**22 04 59 10**±3.5	**23.7S**±.47	**171.0E**±.53	**33**	**3.8b**	**4**	**34-82**
EIDC	IV	22 04 59 05.9	23.4S	171.2E	0	3.8b		**¶97iv3643**
ISC	Poorly determined							
EIDC	**IV**	**24 23 42 59.6**	**21.4S**	**171.4E**	**0**	**3.6b**		**5-149**
								¶97iv4235
ISC	**IV**	**28 18 54 04**±1.9	**22.8S**±.33	**169.8E**±.23	**33**	**3.8b**	**7**	**3-148**
EIDC	IV	28 18 54 00.9	22.6S	169.6E	0	3.9b		**¶97iv4970**
NEIC	IV	28 18 54 04.6	22.83S	169.71E	33			
NEIC	Poor solution.							
ISC	**IV**	**29 21 21 59**±2.2	**21.35S**±.093	**171.4E**±.13	**41**±17	**4.4b,4.5s**	**66**	**5-161**
BJI	IV	29 21 21 56.7	21.20S	171.40E	18	5.1b		**¶97iv5125**
NEIC	IV	29 21 21 56.7	21.17S	171.41E	18	4.6b,4.6s		
EIDC	IV	29 21 21 57.1	21.4S	171.5E	18	4.0b,4.1s		
MOS	IV	29 21 22 00.3	21.6S	171.2E	33	4.7b		
NEIC	Less reliable solution.							
EIDC	**V**	**01 12 00 45.6**	**26.5S**	**174.2E**	**0**	**4.5b**		**26-37**
								¶97v0095
EIDC	**V**	**08 09 39 06.3**	**24.7S**	**173.3E**	**0**	**4.0b**		**29-36**
								¶97v1215
ISC	**V**	**10 19 15 14**±1.4	**23.2S**±.21	**170.4E**±.19	**33**	**3.8b**	**12**	**4-148**
NEIC	V	10 19 15 14.7	23.11S	170.31E	33	4.1b		**¶97v1650**
EIDC	V	10 19 15 15.2	23.2S	170.5E	29	3.8b		
NEIC	Poor solution.							
ISC	**V**	**11 02 27 56.4**±.73	**22.99S**±.099	**169.8E**±.11	**33**	**4.3b,3.4s**	**42**	**3-163**
EIDC	V	11 02 27 54.0	23.0S	169.7E	0	4.3b,3.4s		**¶97v1705**
NEIC	V	11 02 27 57.3	23.08S	169.63E	33	4.7b		
MOS	V	11 02 28 02.8	24.0S	169.1E	33	5.1b		
NEIC	Less reliable solution.							
ISC	**V**	**15 18 01 34.4**±.90	**21.62S**±.039	**169.80E**±.037	**41**±8.3	**5.1b,5.5s**	**462**	**3-164**
NEIC	V	15 18 01 33.2	21.63S	169.88E	33	5.3b,5.6s		**¶97v2655**
MOS	V	15 18 01 33.8	21.6S	169.9E	33	5.6b,5.5s		
BJI	V	15 18 01 33.9	20.95S	170.17E	29	5.4b,5.4s		
EIDC	V	15 18 01 36.6	21.7S	169.9E	49	4.7b,5.0s		
HRVD	V	15 18 01 41.2±.1	21.65S±.02	169.53E±.01	20			
NEIC	Mw6.0(HRV), Mw5.8(GS).							

NEIC Moment tensor solution: s33, scale 10^{17}Nm; M_{rr}5.07; $M_{\theta\theta}$−0.77; $M_{\phi\phi}$−4.30; $M_{r\theta}$2.02; $M_{r\phi}$−3.04; $M_{\theta\phi}$1.62. Depth 21km; Principal axes: T 6.29,Plg71°,Azm48°; N −0.21,Plg6°, Azm154°; P −6.08,Plg18°,Azm246°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S345°,δ28°, λ102°. NP2:ϕ_S152°,δ63°,λ84°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s60,c116; Mantle waves: s4,c6; Half duration: 2^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}7.96±.08; $M_{\theta\theta}$−1.95±.11; $M_{\phi\phi}$−6.01±.13; $M_{r\theta}$3.01±.18; $M_{r\phi}$−3.75±.19; $M_{\theta\phi}$3.96±.09. Principal Axes: T 9.28,Plg74°,Azm44°; N 0.43,Plg3°,Azm147°; P −9.72,Plg15°,Azm238°. Best double couple: $M_0$9.5×10^{17}Nm, NP1:ϕ_S333°,δ30°,λ97°. NP2:ϕ_S145°,δ60°,λ86°.

EIDC	**V**	**15 23 26 22.8**	**21.1S**	**169.1E**	**0**	**3.6b**		**3-147**
								¶97v2693
ISC	**V**	**16 01 52 14**±3.8	**21.67S**±.070	**169.9E**±.11	**27**±26	**4.7b,4.2s**	**170**	**3-164**
EIDC	V	16 01 52 10.6	21.6S	169.8E	0	4.5b,3.9s		**¶97v2708**
BJI	V	16 01 52 13.2	21.04S	169.95E	12	5.1b		
NEIC	V	16 01 52 14.7	21.63S	169.83E	33	4.7b,4.6s		
NEIC	Less reliable solution.							
ISC	**V**	**16 07 25 21**±3.2	**22.0S**±.19	**169.7E**±.33	**33**	**3.8b**	**20**	**3-154**
EIDC	V	16 07 25 17.2	21.4S	169.6E	0	3.9b		**¶97v2737**
ISC	**V**	**16 13 46 55**±2.9	**21.8S**±.17	**169.7E**±.32	**33**	**3.4b**	**11**	**3-148**
EIDC	V	16 13 46 49.8	21.7S	169.8E	0	3.5b		**¶97v2782**
ISC	**V**	**16 14 16 57**±2.1	**21.67S**±.038	**169.86E**±.045	**31**±15	**5.0b,5.2s**	**393**	**3-164**
EIDC	V	16 14 16 53.9	21.6S	169.9E	0	4.8b,4.5s		**¶97v2785**
NEIC	V	16 14 16 57.2	21.65S	169.89E	33	5.2b,5.3s		
BJI	V	16 14 16 58.6	21.41S	169.70E	31	5.4b,5.3s		
MOS	V	16 14 17 00.4	21.6S	169.4E	33	5.9b,5.1s		
HRVD	V	16 14 17 03.8±.2	21.68S±.02	169.63E±.02	27±1.3			
NEIC	Mw5.7(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c91; Half duration: 1^{s}6. Moment tensor: Scale 10^{17}Nm; M_{rr}2.55±.04; $M_{\theta\theta}$−1.56±.06; $M_{\phi\phi}$−1.00±.07; $M_{r\theta}$1.97±.15; $M_{r\phi}$−0.77±.12; $M_{\theta\phi}$1.43±.05. Principal Axes: T 3.35,Plg69°,Azm8°; N 0.07, Plg9°,Azm123°; P −3.43,Plg19°,Azm216°. Best double couple: $M_0$3.4×10^{17}Nm, NP1: ϕ_S321°,δ27°,λ111°. NP2:ϕ_S118°,δ65°,λ80°.

ISC	**V**	**17 04 46 39**±3.3	**21.7S**±.16	**169.8E**±.39	**33**	**3.8b**,2.6s	**26**	**3-154**
EIDC	V	17 04 46 34.6	21.6S	169.8E	0	3.8b,2.6s		**¶97v2885**
NEIC	V	17 04 46 38.5	21.33S	169.73E	33	4.2b		
NEIC	Poor solution.							
ISC	**V**	**22 20 36 53**±6.3	**21.59S**±.091	**169.3E**±.11	**3**±36	**4.5b,3.9s**	**49**	**3-147**
BJI	V	22 20 36 56.7	21.60S	169.30E	33	4.7b		**¶97v3831**
NEIC	V	22 20 36 56.7	21.56S	169.30E	33	4.5b,4.6s		
EIDC	V	22 20 36 57.2	21.8S	169.4E	32	4.2b,3.7s		
NEIC	Less reliable solution.							
ISC	**V**	**24 01 47 17.6**±.77	**22.1S**±.11	**170.1E**±.10	**33**	**4.1b**,4.1s	**36**	**3-148**
EIDC	V	24 01 47 14.3	22.1S	170.2E	0	4.0b,4.1$_L$		**¶97v4035**
NEIC	V	24 01 47 18.2	22.13S	170.08E	33	4.3b,4.1s		
NEIC	Less reliable solution.							
EIDC	**V**	**25 07 59 26.4**	**23.9S**	**172.9E**	**0**	**4.0b**		**36-96**
								¶97v4239
ISC	**VI**	**09 07 24 13**±1.4	**21.32S**±.043	**171.53E**±.062	**35**±12	**5.0b,5.6s**	**282**	**5-165**
EIDC	VI	09 07 24 09.8	21.2S	171.5E	0	4.7b,5.2s		**¶97vi1347**
BJI	VI	09 07 24 11.3	21.42S	171.83E	32	5.0b,5.7s		
NEIC	VI	09 07 24 12.3	21.33S	171.54E	33	5.4b,5.6s		
MOS	VI	09 07 24 12.8	21.3S	171.7E	33	5.6b,5.6s		
HRVD	VI	09 07 24 15.4±.1	21.24S	171.60E	15			
NEIC	Mw6.0(HRV), Mw5.9(GS).							

NEIC Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}1.21; $M_{\theta\theta}$7.17; $M_{\phi\phi}$−8.40; $M_{r\theta}$−0.03; $M_{r\phi}$−0.01; $M_{\theta\phi}$2.97. Depth 16km; Principal axes: T 7.72,Plg0°,Azm170°; N 1.23,Plg90°, Azm359°; P −8.95,Plg0°,Azm260°. Best double couple: $M_0$8.3×10^{17}Nm; NP1:ϕ_S305°,δ90°, λ0°. NP2:ϕ_S215°,δ90°,λ180°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s58,c119; Mantle waves: s9,c15; Half duration: 2^{s}4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.16±.10; $M_{\theta\theta}$9.44±.11; $M_{\phi\phi}$−8.28±.13; $M_{r\theta}$2.27±.35; $M_{r\phi}$−2.30±.29; $M_{\theta\phi}$3.62±.10. Principal Axes: T 10.4,Plg9°,Azm350°; N −0.6,Plg70°,Azm106°; P −9.9,Plg18°,Azm257°. Best double couple: $M_0$1.0×10^{18}Nm, NP1:ϕ_S35°,δ71°,λ−174°. NP2:ϕ_S303°,δ84°,λ−19°.

ISC	**VI**	**09 09 48 30**±1.1	**21.2S**±.13	**171.6E**±.12	**33**	**4.3b**,3.1s	**20**	**5-149**
EIDC	VI	09 09 48 27.4	21.2S	171.6E	0	4.3b,3.1s		**¶97vi1377**
NEIC	VI	09 09 48 29.9	21.21S	171.69E	33	4.7b		
NEIC	Poor solution.							
ISC	**VI**	**09 11 16 44**±3.6	**21.1S**±.54	**171.4E**±.26	**33**	**4.3b**,3.3s	**10**	**5-149**
EIDC	VI	09 11 16 41.7	19.8S	171.1E	0	3.6s,4.2b		**¶97vi1384**
ISC	**VI**	**09 12 06 29**±1.2	**21.5S**±.15	**171.5E**±.15	**33**	**4.1b,3.7s**	**15**	**5-149**
EIDC	VI	09 12 06 24.9	21.2S	171.5E	0	4.1b,3.8s		**¶97vi1393**
NEIC	VI	09 12 06 29.7	21.34S	171.33E	33			
NEIC	Poor solution.							
ISC	**VI**	**10 11 35 10**±1.4	**21.7S**±.11	**170.69E**±.096	**136**±13	**4.3b**	**35**	**4-149**
NEIC	VI	10 11 35 09.3	21.77S	170.73E	127	4.8b		**¶97vi1515**
EIDC	VI	10 11 35 11.2	21.8S	170.6E	128	4.0b		
MOS	VI	10 11 35 12.8	21.9S	170.7E	150	4.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**15 11 25 38**±4.5	**22.4S**±.40	**169.3E**±.31	**63**±29	**3.8b**	**13**	**3-147**
EIDC	VI	15 11 25 29.8	22.4S	169.5E	0	3.9b		**¶97vi2285**
NEIC	VI	15 11 25 33.6	22.53S	169.48E	33			
NEIC	Poor solution.							
ISC	**VI**	**16 00 42 42**±3.5	**23.1S**±.75	**170.6E**±.39	**33**	3.9b,2.4s	**24**	**4-158**
EIDC	VI	16 00 42 35.9	22.6S	171.0E	0	2.6s,4.0b		**¶97vi2385**
NEIC	VI	16 00 42 40.9	22.96S	170.72E	33			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**VI**	**17 20 24 17**±1.0	**23.0S**±.22	**171.1E**±.11	**33**	**4.0b**	**11**	**4-149**
EIDC	VI	17 20 24 14.8	23.2S	171.1E	0	4.2b,4.8$_L$		**¶97vi2686**
NEIC	VI	17 20 24 16.9	23.00S	171.05E	33			
NEIC	Less reliable solution.							
ISC	**VI**	**17 20 30 43.8**±.87	**23.2S**±.16	**170.9E**±.10	**33**	**4.1b**	**16**	**4-149**
NEIC	VI	17 20 30 43.6	23.23S	170.90E	33	4.4b		**¶97vi2687**
EIDC	VI	17 20 30 44.9	23.3S	170.9E	32	4.0b,5.0$_L$		
NEIC	Less reliable solution.							
ISC	**VI**	**18 07 04 23**±2.4	**22.9S**±.99	**174.0E**±.52	**33**	**3.6b**	**4**	**30-96**
EIDC	VI	18 07 04 19.6	22.5S	174.0E	0	3.7b		**¶97vi2741**
ISC	Poorly determined							
ISC	**VI**	**19 11 21 22**±8.5	**22.0S**±.97	**169.9E**±.75	**107**±39	**3.8b**	**7**	**3-148**
EIDC	VI	19 11 21 09.3	21.8S	170.2E	0	4.0b		**¶97vi2910**
NEIC	VI	19 11 21 22.3	21.66S	169.79E	100			
NEIC	Poor solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**21 17 43 11**±8.5	**23.1S**±.14	**170.2E**±.26	**20**±54	**4.1b**,2.7s	**29**	**4-166**
NEIC	VI	21 17 43 13.8	23.10S	170.09E	31	4.1b		¶97vi3258
EIDC	VI	21 17 43 14.4	23.2S	170.2E	30	4.0b,2.7s		
NEIC	Less reliable solution.							
ISC	**VI**	**27 15 49 15**±1.2	**23.6S**±.14	**170.8E**±.15	**29**	**4.2b**	**18**	**4-149**
NEIC	VI	27 15 49 16.0	23.74S	170.79E	29	4.4b		¶97vi4318
EIDC	VI	27 15 49 16.5	23.7S	171.0E	27	4.1b,3.7L		
NEIC	Less reliable solution.							
ISC	**VI**	**29 18 50 26**±3.2	**21.9S**±.49	**169.2E**±.37	**33**	**3.8b**,3.7s	**8**	**3-147**
EIDC	VI	29 18 50 21.6	21.8S	169.5E	0	3.9b,3.7s		¶97vi4651
NEIC	VI	29 18 50 26.6	21.74S	169.18E	33			
NEIC	Poor solution.							

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ISC	**I**	**03 20 14 54**±3.4	**4.8S**±.13	**153.3E**±.26	**72**±25	**3.8b**	**13**	**1-135**
NEIC	I	03 20 14 49.3	4.87S	153.49E	33	4.1b		¶97i0422
EIDC	I	03 20 14 54.2	5.0S	153.5E	68	3.6b		
NEIC	Less reliable solution.							
EIDC	**I**	**08 05 29 52.3**	**3.1S**	**151.9E**	**0**	**4.3b**		**21-40**
								¶97i1023
EIDC	**I**	**12 02 08 31.9**	**0.4S**	**150.8E**	**0**	**3.6b**		**2-92**
								¶97i1613
ISC	**I**	**17 07 03 22**±1.4	**1.1S**±.17	**149.7E**±.19	**33**	**3.8b**	**6**	**2-80**
EIDC	I	17 07 03 18.3	1.3S	150.0E	0	3.9b		¶97i2413
NEIC	I	17 07 03 21.8	1.06S	149.75E	33			
NEIC	Poor solution.							
ISC	**I**	**24 05 17 26**±1.1	**5.60S**±.030	**153.97E**±.041	**41**±10	**5.5b,5.1s**	**231**	**2-161**
EIDC	I	24 05 17 24.6	5.6S	154.1E	19	5.0b,4.9s		¶97i3601
NEIC	I	24 05 17 29.7	5.61S	153.84E	71	5.4b		
HRVD	I	24 05 17 30.2±.2	5.86S±.02	153.84E±.02	39±1.5			
BJI	I	24 05 17 30.4	5.56S	153.79E	66	5.8b,5.2s		
MOS	I	24 05 17 31.2	5.2S	154.1E	70	5.9b,4.9s		
NEIC	Mw5.6(HRV), Mw5.5(GS).							
NEIC	Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}1.57; $M_{\theta\theta}$−1.64; $M_{\phi\phi}$0.07; $M_{r\theta}$0.41; $M_{r\phi}$0.02; $M_{\theta\phi}$0.27. Depth 20km; Principal axes: T 1.63,Plg82°,Azm344°; N 0.11,Plg3°,Azm98°; P −1.73,Plg7°,Azm189°. Best double couple: $M_0$1.7×10^{17}Nm; NP1:ϕ_S282°,δ38°,λ95°. NP2: ϕ_S96°,δ52°,λ86°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c76; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}2.32±.04; $M_{\theta\theta}$−1.23±.06; $M_{\phi\phi}$−1.09±.06; $M_{r\theta}$1.15±.09; $M_{r\phi}$−0.35±.09; $M_{\theta\phi}$1.11±.04. Principal Axes: T 2.66,Plg74°,Azm1°; N −0.14, Plg10°,Azm128°; P −2.52,Plg13°,Azm221°. Best double couple: $M_0$2.6×10^{17}Nm, NP1: ϕ_S324°,δ33°,λ108°. NP2:ϕ_S122°,δ59°,λ78°.							
ISC	**I**	**25 12 33 45**±3.1	**4.9S**±.15	**153.7E**±.28	**103**±25	**4.0b**	**12**	**2-82**
EIDC	I	25 12 33 31.3	5.7S	154.8E	0	4.1b		¶97i3813
NEIC	I	25 12 33 44.7	4.94S	153.69E	100	4.2b		
NEIC	Less reliable solution.							
ISC	**I**	**30 09 49 49**±1.6	**3.9S**±.40	**150.4E**±.71	**33**	**3.5b**	**6**	**1-96**
EIDC	I	30 09 49 44.6	4.4S	151.1E	0	3.6b		¶97i4462
EIDC	**I**	**30 10 02 30.7**	**3.8S**	**150.2E**	**0**	**4.3b**		**20-96**
								¶97i4465
EIDC	**I**	**31 12 39 50.4**	**5.4S**	**153.9E**	**0**	**3.7b**		**2-29**
								¶97i4628
EIDC	**II**	**02 16 20 47.6**	**5.4S**	**153.5E**	**0**	**3.4b**		**2-82**
								¶97ii0245
EIDC	**II**	**05 08 51 51.2**	**6.0S**	**153.4E**	**0**	**3.1b**		**23-83**
								¶97ii0662
ISC	**II**	**17 12 18 09**±1.2	**2.6S**±.38	**153.1E**±.69	**33**	**3.8b**	**5**	**19-93**
EIDC	II	17 12 18 05.6	2.7S	153.3E	0	3.9b,4.0L		¶97ii2493
NEIC	II	17 12 18 09.1	2.61S	153.07E	33	3.8b		
NEIC	Poor solution.							
ISC	**II**	**21 14 39 50**±1.6	**4.2S**±.37	**153.0E**±.51	**33**	**3.5b**	**5**	**24-82**
EIDC	II	21 14 39 46.8	4.1S	152.9E	0	3.5b		¶97ii3086
ISC	**II**	**27 03 09 34**±3.6	**5.4S**±.13	**154.0E**±.13	**103**±34	**3.6b**	**12**	**8-82**
NEIC	II	27 03 09 33.6	5.43S	154.00E	100	3.7b		¶97ii3897
EIDC	II	27 03 09 37.5	5.5S	153.9E	111	3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**28 19 11 04**±3.9	**4.94S**±.069	**153.18E**±.087	**52**±36	**4.7b,4.5s**	**56**	**8-158**
EIDC	II	28 19 11 04.1	4.9S	153.3E	40	4.2b,4.3s		¶97ii4316
MOS	II	28 19 11 07.6	4.9S	153.0E	79	5.1b		
BJI	II	28 19 11 09.6	5.00S	153.10E	100	5.2b		
NEIC	II	28 19 11 09.6	4.98S	153.05E	100	4.6b		
ISC	**III**	**03 14 12 31**±2.1	**4.2S**±.78	**153.5E**±.93	**100**	**3.9b**	**9**	**1-81**
NEIC	III	03 14 12 33.0	3.25S	152.25E	100	4.2b		¶97iii0601
EIDC	III	03 14 12 37.0	3.1S	151.9E	121	3.7b		
NEIC	Poor solution.							
ISC	**III**	**05 10 56 25.1**±.96	**3.7S**±.14	**151.2E**±.12	**33**	**3.6b**	**10**	**1-95**
EIDC	III	05 10 56 21.8	3.0S	150.1E	0	3.8b,4.0L		¶97iii1044
NEIC	III	05 10 56 25.5	3.19S	150.32E	33	3.8b		
NEIC	Poor solution.							
ISC	**III**	**10 10 39 48**±1.5	**5.3S**±.12	**153.2E**±.23	**33**	**3.8b**	**8**	**2-82**
EIDC	III	10 10 39 41.4	5.8S	153.9E	0	3.8b		¶97iii2196
ISC	**III**	**16 13 05 43.2**±.84	**4.5S**±.11	**153.3E**±.13	**33**	**3.8b**	**15**	**1-151**
NEIC	III	16 13 05 43.0	4.50S	153.38E	33	4.3b		¶97iii3226
EIDC	III	16 13 05 46.5	4.5S	153.3E	49	3.6b,3.9L		
NEIC	Less reliable solution.							
EIDC	**III**	**21 19 26 09.1**	**4.3S**	**153.1E**	**0**	**3.5b**		**24-82**
								¶97iii4120
ISC	**III**	**28 05 15 11**±1.1	**4.63S**±.036	**153.15E**±.058	**51**±11	**4.9b,4.5s**	**164**	**1-158**
EIDC	III	28 05 15 05.1	4.6S	153.2E	0	4.8b,4.2L		¶97iii5365
NEIC	III	28 05 15 09.3	4.61S	153.13E	33	4.9b,4.4s		
BJI	III	28 05 15 09.6	4.63S	153.33E	46	5.2b,4.7s		
MOS	III	28 05 15 10.2	4.6S	153.0E	33	5.5b		
ISC	**III**	**28 05 24 36**±4.0	**4.4S**±.12	**153.1E**±.29	**55**±29	**4.1b**	**15**	**1-151**
EIDC	III	28 05 24 30.4	4.5S	153.2E	0	4.0b		¶97iii5366
NEIC	III	28 05 24 33.6	4.46S	153.21E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**30 02 18 11**±2.4	**3.7S**±.16	**151.5E**±.18	**347**±25	**3.8b**	**12**	**7-93**
EIDC	III	30 02 18 11.5	3.6S	151.4E	338	3.6b		¶97iii5680
ISC	**IV**	**04 15 53 01**±1.6	**3.53S**±.049	**152.93E**±.075	**47**±14	**4.8b,4.5s**	**81**	**1-152**
MOS	IV	04 15 53 02.2	3.5S	153.0E	59	5.2b		¶97iv0629
BJI	IV	04 15 53 05.8	3.58S	152.90E	103	5.1b		
NEIC	IV	04 15 53 06.6	3.60S	152.80E	100	4.7b		
EIDC	IV	04 15 53 07.7	3.6S	152.8E	98	4.1b,4.2s		
ISC	**IV**	**11 16 25 44**±2.1	**5.1S**±.10	**153.4E**±.19	**78**±19	**3.8b**	**12**	**2-135**
EIDC	IV	11 16 25 38.1	4.9S	153.1E	0	3.9b,3.8L		¶97iv1933
NEIC	IV	11 16 25 48.9	5.10S	152.88E	100			
NEIC	Poor solution.							
EIDC	**IV**	**16 10 17 37.4**	**5.2S**	**153.3E**	**0**	**3.4b**		**24-29**
								¶97iv2739
EIDC	**IV**	**17 08 12 09.6**	**5.7S**	**153.5E**	**0**	3.3b		**23-135**
								¶97iv2871
ISC	**IV**	**17 15 07 31**±1.1	**5.6S**±.14	**153.4E**±.25	**100**	**3.6b**	**10**	**23-96**
NEIC	IV	17 15 07 31.1	5.61S	153.38E	100			¶97iv2923
EIDC	IV	17 15 07 43.6	5.7S	153.2E	204	3.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**18 09 10 20.4**±.33	**1.57S**±.050	**150.40E**±.081	**33**	**4.4b,3.9s**	**49**	**1-155**
EIDC	IV	18 09 10 16.1	1.6S	150.6E	0	4.4b,3.6s		¶97iv3051
BJI	IV	18 09 10 19.6	1.09S	150.15E	8	4.6b,5.5s		
NEIC	IV	18 09 10 20.2	1.57S	150.44E	33	4.8b		
MOS	IV	18 09 10 20.3	1.6S	150.4E	33	5.1b		
ISC	**IV**	**18 22 09 46**±1.7	**5.95S**±.056	**153.6E**±.12	**38**±14	**4.3b**,4.1s	**37**	**2-150**
BJI	IV	18 22 09 43.8	6.17S	153.66E	54	4.8b,5.0s		¶97iv3127
NEIC	IV	18 22 09 46.1	5.96S	153.52E	41	4.4b		
EIDC	IV	18 22 09 51.2	6.1S	153.4E	65	3.9b,3.9s		
NEIC	Less reliable solution.							
ISC	**IV**	**19 18 42 33**±1.7	**5.9S**±.41	**153.0E**±.57	**33**	**3.3b**	**4**	**23-83**
EIDC	IV	19 18 42 30.0	5.7S	152.9E	0	3.4b		¶97iv3227
ISC	Poorly determined							
ISC	**IV**	**20 09 56 14**±6.8	**5.1S**±.34	**153.5E**±.77	**33**	**3.5b**	**6**	**2-29**
EIDC	IV	20 09 56 12.6	5.2S	153.2E	0	3.8b		¶97iv3296
ISC	**IV**	**21 08 54 27**±1.5	**5.5S**±.24	**153.7E**±.19	**33**	**3.8b**	**7**	**7-83**
EIDC	IV	21 08 54 24.3	5.0S	153.1E	0	3.7b		¶97iv3433
NEIC	IV	21 08 54 26.8	5.52S	153.67E	33	4.3b		
NEIC	Poor solution.							
ISC	**IV**	**24 20 28 03**±1.6	**6.0S**±.13	**153.7E**±.25	**33**	**3.6b**	**5**	**2-83**
EIDC	IV	24 20 27 59.0	6.1S	154.0E	0	3.8b		¶97iv4204
NEIC	IV	24 20 28 02.6	5.96S	153.66E	33			
NEIC	Poor solution.							
ISC	**V**	**01 20 22 01.3**±.83	**1.41S**±.096	**149.8E**±.13	**33**	**4.1b**	**14**	**2-88**
EIDC	V	01 20 21 57.8	1.4S	149.8E	0	3.8b,4.0L		¶97v0149
NEIC	V	01 20 22 01.3	1.41S	149.76E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**V**	**04 09 47 43**±1.2	**5.2S**±.13	**153.4E**±.18	**33**	**3.9b**	**7**	**2-95**
EIDC	V	04 09 47 40.0	4.7S	152.8E	0	3.9b		¶97v0615
NEIC	V	04 09 47 43.0	5.17S	153.36E	33	4.0b		
NEIC	Less reliable solution.							
EIDC	**V**	**08 11 09 06.4**	**4.0S**	**152.5E**	**0**	**3.5b**		**22-30**
								¶97v1230
ISC	**V**	**08 14 07 39**±5.1	**5.29S**±.095	**153.2E**±.16	**17**±37	**4.0b**	**16**	**1-150**
NEIC	V	08 14 07 40.4	5.25S	153.20E	33	4.1b		¶97v1255
EIDC	V	08 14 07 45.2	5.3S	153.1E	57	3.5b,4.6L		
NEIC	Less reliable solution.							
ISC	**V**	**08 14 20 57**±2.8	**4.4S**±.38	**153.7E**±.20	**33**	**3.9b**	**7**	**2-27**
								¶97v1260
EIDC	**V**	**11 01 51 28.9**	**5.1S**	**153.3E**	**0**	**3.6b**		**1-29**
								¶97v1701
ISC	**V**	**17 12 44 12.1**±.44	**5.86S**±.048	**153.37E**±.079	**33**	**4.4b**,4.6s	**54**	**2-150**
EIDC	V	17 12 44 09.8	5.8S	153.2E	0	4.2b,4.0L		¶97v2928
BJI	V	17 12 44 12.4	5.80S	153.30E	33	4.9b,4.7s		
NEIC	V	17 12 44 12.4	5.82S	153.29E	33	4.5b		
MOS	V	17 12 44 13.6	5.7S	153.2E	33	5.3b		
EIDC	**V**	**18 12 40 15.0**	**4.7S**	**153.4E**	**0**	**3.5b**		**24-72**
								¶97v3083
ISC	**V**	**20 03 42 10**±1.2	**5.7S**±.18	**153.2E**±.20	**33**	**3.7b**	**12**	**7-150**
EIDC	V	20 03 42 06.2	5.7S	153.2E	0	3.7b		¶97v3350
NEIC	V	20 03 42 09.7	5.77S	153.21E	33	4.0b		
NEIC	Poor solution.							
ISC	**V**	**26 12 12 12**±1.0	**3.6S**±.12	**153.9E**±.13	**426**±11	**3.8b**	**15**	**2-94**
NEIC	V	26 12 12 13.6	3.47S	153.41E	429	3.9b		¶97v4409
EIDC	V	26 12 12 18.1	4.1S	154.1E	485	3.3b		
NEIC	Poor solution.							
ISC	**VI**	**02 19 43 09**±1.0	**3.8S**±.26	**150.1E**±.37	**33**	**4.2b**	**8**	**1-29**
EIDC	VI	02 19 43 14.3	4.9S	150.1E	0	4.0b		¶97vi0302
ISC	**VI**	**04 19 50 08.1**±.99	**3.6S**±.17	**151.3E**±.36	**33**	**3.6b**	**11**	**1-156**
EIDC	VI	04 19 50 04.8	3.5S	151.2E	0	3.8b,3.8L		¶97vi0666
NEIC	VI	04 19 50 08.1	3.65S	151.35E	33			
NEIC	Single network solution.							
ISC	**VI**	**05 04 16 32**±2.8	**4.9S**±.12	**153.2E**±.28	**85**±19	**3.8b**	**15**	**1-151**
EIDC	VI	05 04 16 22.3	4.9S	153.5E	0	4.0b,3.2s		¶97vi0711
NEIC	VI	05 04 16 34.1	4.89S	153.15E	100	4.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**05 14 44 15**±2.2	**4.27S**±.083	**153.0E**±.15	**54**±19	**4.1b**,3.1s	**20**	**1-158**
NEIC	VI	05 14 44 11.9	4.27S	153.12E	33	4.4b		¶97vi0791
EIDC	VI	05 14 44 13.6	4.3S	153.1E	35	3.9b,3.1s		
NEIC	Less reliable solution.							
EIDC	**VI**	**06 18 42 22.1**	**5.6S**	**153.4E**	**0**	**3.8b**		**2-28**
								¶97vi0974
ISC	**VI**	**10 01 25 05**±1.8	**3.1S**±.30	**152.2E**±.21	**357**±16	**3.7b**	**9**	**1-75**
EIDC	VI	10 01 25 03.9	2.8S	152.1E	342	3.4b		¶97vi1460
ISC	**VI**	**10 03 39 15**±1.1	**4.63S**±.055	**153.9E**±.10	**228**±9.0	**4.4b**	**55**	**2-159**
MOS	VI	10 03 39 15.2	4.7S	154.1E	233	4.9b		¶97vi1474
NEIC	VI	10 03 39 15.4	4.62S	153.91E	234	4.5b		
BJI	VI	10 03 39 16.9	4.67S	153.92E	246	4.8b		
EIDC	VI	10 03 39 17.3	4.7S	153.9E	238	4.0b		
NEIC	Less reliable solution.							
EIDC	**VI**	**11 09 10 49.0**	**0.9S**	**150.1E**	**0**	**3.6b**		**24-80**
								¶97vi1653
ISC	**VI**	**15 02 17 50**±1.4	**0.8S**±.18	**149.2E**±.37	**33**	**3.9b**	**5**	**24-93**
EIDC	VI	15 02 17 46.8	0.8S	149.3E	0	4.1b		¶97vi2212
EIDC	**VI**	**16 18 54 59.3**	**5.8S**	**153.6E**	**0**	**4.1b**		**7-62**
								¶97vi2501
ISC	**VI**	**18 09 04 34**±2.3	**5.6S**±.33	**153.8E**±.52	**61**	**3.6b**	**4**	**24-83**
EIDC	VI	18 09 04 35.1	5.8S	153.8E	61	3.1b		¶97vi2762
ISC	Poorly determined							
ISC	**VI**	**20 20 42 24**±6.0	**3.5S**±.81	**151.0E**±.48	**250**	**4.5b**	**7**	**4-42**
								¶97vi3113
ISC	**VI**	**28 16 24 55**±1.4	**4.86S**±.042	**153.10E**±.079	**63**±12	**4.6b**	**83**	**1-158**
EIDC	VI	28 16 24 47.7	4.8S	153.4E	0	4.4b,4.1s		¶97vi4504
NEIC	VI	28 16 24 51.6	4.84S	153.12E	33	4.7b,4.5s		
MOS	VI	28 16 24 51.8	4.8S	153.2E	33	5.2b		
BJI	VI	28 16 24 52.9	4.75S	153.12E	44	4.8b,4.7s		
EIDC	**VI**	**29 12 58 11.7**	**4.6S**	**153.3E**	**0**	**3.4b**		**1-82**
								¶97vi4629

(191) North of Solomon Islands.

EIDC	**III**	**10 11 15 19.9**	**3.2S**	**154.3E**	**0**	**3.5b**	**26-42**	
								¶97iii2202
EIDC	**III**	**16 08 37 24.8**	**3.0S**	**156.9E**	**0**	**3.9b**	**28-75**	
								¶97iii3199
EIDC	**VI**	**01 05 35 36.0**	**2.2S**	**154.3E**	**0**	**3.8b**	**3-75**	
								¶97vi0029

(192) New Britain region.

ISC	**I**	**01 09 44 15**±2.6	**4.9S**±.20	**152.5E**±.34	**79**±18	**4.0b**	**9**	**1-82**
EIDC	I	01 09 44 05.7	5.1S	152.9E	0	4.0b		**¶97i0053**
NEIC	I	01 09 44 11.8	4.89S	152.30E	33	4.4b		
NEIC	Poor solution.							
EIDC	**I**	**04 21 21 44.0**	**4.7S**	**152.5E**	**0**	**3.5b**		**3-135**
								¶97i0587
EIDC	**I**	**06 04 27 52.5**	**6.9S**	**153.3E**	**0**	**3.3b**		**22-84**
								¶97i0747
ISC	**I**	**07 19 40 10**±2.1	**5.7S**±.42	**149.9E**±.39	**54**±36	3.7b	**5**	**3-24**
ISC	Poorly determined							**¶97i0969**
ISC	**I**	**08 23 30 00**±3.6	**5.3S**±.19	**149.8E**±.23	**112**±29	**3.9b**	**13**	**5-116**
NEIC	I	08 23 29 57.7	5.17S	149.81E	100	4.2b		**¶97i1136**
EIDC	I	08 23 30 00.9	5.0S	149.4E	104	3.7b		
NEIC	Poor solution.							
ISC	**I**	**09 11 40 57.5**±.90	**5.69S**±.050	**151.12E**±.071	**85**±7.6	**4.7b**	**91**	**2-156**
EIDC	I	09 11 40 54.3	5.7S	151.3E	43	4.3b,4.2L		**¶97i1207**
MOS	I	09 11 40 55.6	5.6S	151.0E	65	5.5b		
HRVD	I	09 11 40 56.9±.9	5.82S±.08	151.22E±.12	39±7.6			
NEIC	I	09 11 40 59.5	5.65S	151.01E	100	5.1b		
BJI	I	09 11 41 02.1	5.03S	151.06E	94	5.1b		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c28; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.52±.45; $M_{\theta\theta}$−2.74±.46; $M_{\phi\phi}$−0.78±.69; $M_{r\theta}$3.96±1.09; $M_{r\phi}$1.63±.85; $M_{\theta\phi}$−0.80±.47. Principal Axes: T 5.64,Plg64°,Azm336°; N −0.50,Plg1°,Azm69°; P −5.14,Plg26°,Azm160°. Best double couple: $M_0$5.4×10^{16}Nm, NP1: ϕ_S253°,δ19°,λ94°. NP2:ϕ_S69°,δ71°,λ88°.

NEIC	Mw5.1(HRV).							
ISC	**I**	**09 14 49 42**±4.4	**4.1S**±.34	**152.8E**±.51	**150**	**4.1b**	**8**	**1-30**
EIDC	I	09 14 49 28.8	4.0S	152.6E	0	4.1b		**¶97i1234**
ISC	**I**	**10 04 15 02**±5.3	**6.2S**±.18	**153.7E**±.12	**201**±51	**4.1b**	**15**	**16-85**
NEIC	I	10 04 15 03.3	6.10S	153.45E	200	4.4b		**¶97i1308**
EIDC	I	10 04 15 04.9	6.2S	153.5E	204	3.8b		
NEIC	Poor solution.							
EIDC	**I**	**14 02 20 07.2**	**6.5S**	**150.8E**	**59**	**3.4b**		**21-27**
								¶97i1940
ISC	**I**	**14 17 07 41.1**±.67	**6.4S**±.11	**154.0E**±.11	**33**	**3.9b**	**18**	**7-79**
EIDC	I	14 17 07 30.9	6.3S	154.8E	0	3.8b		**¶97i2025**
EIDC	**I**	**15 09 55 04.4**	**6.7S**	**152.4E**	**0**	**3.5b**		**2-45**
								¶97i2132
ISC	**I**	**17 02 12 13**±1.0	**4.2S**±.12	**151.9E**±.13	**33**	**3.8b**	**7**	**0-82**
EIDC	I	17 02 12 11.7	5.3S	152.6E	0	3.7b		**¶97i2390**
NEIC	I	17 02 12 18.0	4.16S	151.14E	33	4.1b		
NEIC	Poor solution.							
ISC	**I**	**18 01 31 56**±1.0	**5.26S**±.079	**151.5E**±.15	**88**±9.4	**4.2b**	**28**	**1-152**
NEIC	I	18 01 31 58.2	5.20S	151.27E	108	4.4b		**¶97i2575**
EIDC	I	18 01 32 03.2	5.3S	151.2E	139	3.7b		
NEIC	Less reliable solution.							
ISC	**I**	**18 08 09 49.7**±.59	**4.89S**±.061	**150.71E**±.084	**304**±5.9	**4.5b**	**34**	**2-96**
EIDC	I	18 08 09 49.3	4.9S	150.8E	289	3.9b		**¶97i2633**
NEIC	I	18 08 09 49.7	4.89S	150.71E	307	4.8b		
ISC	**I**	**18 12 59 40**±1.1	**5.5S**±.17	**150.8E**±.24	**137**±15	**3.4b**	**8**	**2-84**
EIDC	I	18 12 59 24.3	5.3S	150.9E	0	3.6b		**¶97i2660**
NEIC	I	18 12 59 40.0	5.49S	150.77E	150			
NEIC	Less reliable solution.							
EIDC	**I**	**19 10 19 51.4**	**6.0S**	**151.6E**	**0**	**3.2b**		**22-27**
								¶97i2818
EIDC	**I**	**21 00 47 53.2**	**5.2S**	**149.1E**	**0**	**3.7b**		**3-97**
								¶97i3111
ISC	**I**	**21 13 49 05**±1.7	**5.4S**±.11	**151.9E**±.23	**62**±16	**4.0b**	**13**	**1-124**
EIDC	I	21 13 48 59.0	5.2S	151.7E	0	4.0b		**¶97i3188**
NEIC	I	21 13 49 01.6	5.45S	152.12E	33	4.3b		
NEIC	Poor solution.							
EIDC	**I**	**26 06 27 33.8**	**6.7S**	**149.8E**	**92**	**3.3b**		**4-85**
								¶97i3897
ISC	**I**	**29 02 56 51**±1.3	**4.11S**±.083	**152.8E**±.11	**71**±11	**4.4b**	**29**	**1-152**
BJI	I	29 02 56 50.2	4.06S	152.80E	64			**¶97i4294**
NEIC	I	29 02 56 51.2	4.22S	152.83E	68	4.5b		
EIDC	I	29 02 56 53.2	4.1S	152.6E	75	4.0b		
NEIC	Less reliable solution.							
EIDC	**I**	**30 09 54 17.8**	**4.0S**	**150.7E**	**0**	**3.6b**		**22-96**
								¶97i4463
EIDC	**I**	**30 10 40 22.6**	**4.6S**	**151.4E**	**0**	**3.5b**		**23-96**
								¶97i4471
EIDC	**I**	**31 00 29 03.1**	**6.9S**	**149.7E**	**31**	3.4b,3.6L		**20-85**
								¶97i4573
ISC	**II**	**01 14 55 23**±4.3	**6.4S**±.15	**150.0E**±.32	**86**±31	**3.5b**	**11**	**3-100**
NEIC	II	01 14 55 25.0	6.42S	149.83E	100	3.8b		**¶97ii0086**
EIDC	II	01 14 55 33.7	6.8S	150.1E	177	3.0b		
NEIC	Poor solution.							
EIDC	**II**	**04 17 15 39.9**	**4.9S**	**150.3E**	**0**	**3.7b**		**5-73**
								¶97ii0567
EIDC	**II**	**04 22 18 53.2**	**6.5S**	**151.9E**	**53**	**3.4b**		**22-73**
								¶97ii0600
ISC	**II**	**06 09 52 52**±4.7	**7.0S**±.12	**154.0E**±.24	**36**±39	**3.8b**	**15**	**7-119**
NEIC	II	06 09 52 51.5	6.97S	154.06E	33	3.8b		**¶97ii0820**
EIDC	II	06 09 52 53.3	7.1S	154.2E	39	3.6b,4.5L		
NEIC	Less reliable solution.							
ISC	**II**	**06 23 54 40**±3.8	**6.8S**±.25	**149.6E**±.31	**63**±31	**3.8b**	**9**	**4-85**
EIDC	II	06 23 54 39.5	6.8S	149.8E	65	4.3L,3.5b		**¶97ii0918**
ISC	**II**	**07 00 51 24**±2.4	**6.17S**±.072	**148.81E**±.097	**37**±22	**4.5b**	**63**	**4-154**
NEIC	II	07 00 51 23.7	6.15S	148.78E	32	4.8b		**¶97ii0927**
EIDC	II	07 00 51 25.2	6.1S	148.8E	32	4.2b,4.8L		
ISC	**II**	**08 02 45 42**±4.4	**6.0S**±.41	**150.6E**±.25	**33**	**3.7b**	**10**	**5-27**
NEIC	II	08 02 45 42.1	5.98S	150.54E	33	4.2b		**¶97ii1082**
EIDC	II	08 02 45 45.0	6.6S	150.9E	27	3.6b,4.4L		
NEIC	Poor solution.							
ISC	**II**	**10 18 44 18**±1.1	**5.0S**±.14	**152.5E**±.14	**33**	**3.9b**	**11**	**7-96**
NEIC	II	10 18 44 16.7	5.12S	152.77E	33	4.2b		**¶97ii1500**
EIDC	II	10 18 44 20.6	5.2S	152.8E	58	3.7b		
NEIC	Poor solution.							
ISC	**II**	**12 03 20 21**±3.2	**6.22S**±.098	**151.9E**±.12	**62**±28	**4.4b**	**23**	**6-151**
EIDC	II	12 03 20 24.6	6.3S	151.7E	76	4.0b,3.5s		**¶97ii1716**
ISC	**II**	**14 02 54 25.3**±.95	**6.5S**±.26	**150.8E**±.32	**33**	**4.0b**	**10**	**5-151**
EIDC	II	14 02 54 21.3	6.6S	151.0E	0	4.1b,3.9L		**¶97ii2009**
NEIC	II	14 02 54 25.5	6.53S	150.80E	33	3.9b		
NEIC	Poor solution.							
ISC	**II**	**16 00 40 58**±5.0	**6.6S**±.37	**149.5E**±.65	**42**±40	**3.7b**	**6**	**4-85**
EIDC	II	16 00 40 52.5	6.6S	149.7E	0	3.8b,4.5L		**¶97ii2317**
ISC	**II**	**17 19 54 20**±3.9	**5.3S**±.17	**151.6E**±.32	**147**±33	**3.7b**	**8**	**6-83**
EIDC	II	17 19 54 17.5	5.5S	152.0E	122	3.5b		**¶97ii2537**
ISC	**II**	**18 19 39 19**±3.3	**6.2S**±.12	**150.3E**±.22	**61**±28	**4.0b**	**18**	**4-155**
NEIC	II	18 19 39 16.1	6.15S	150.42E	33	4.2b		**¶97ii2683**
EIDC	II	18 19 39 20.3	6.1S	150.2E	54	3.6b,4.2L		
NEIC	Less reliable solution.							
ISC	**II**	**19 17 38 29**±1.0	**5.0S**±.11	**150.6E**±.25	**50**	**3.9b**	**11**	**19-97**
EIDC	II	19 17 38 24.1	5.1S	150.6E	0	3.9b		**¶97ii2811**
NEIC	II	19 17 38 28.9	5.01S	150.60E	50	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**22 20 57 32**±1.6	**5.83S**±.054	**148.37E**±.062	**110**±16	**4.6b**	**54**	**4-153**
BJI	II	22 20 57 30.4	5.69S	148.23E	93	4.4b		**¶97ii3250**
MOS	II	22 20 57 31.5	5.8S	148.2E	99	5.0b		
NEIC	II	22 20 57 31.6	5.86S	148.37E	105	5.0b		
EIDC	II	22 20 57 32.5	5.9S	148.5E	107	4.0b		
EIDC	**II**	**26 11 10 22.7**	**6.2S**	**148.4E**	**190**	3.1b		**3-26**
								¶97ii3785
ISC	**II**	**28 06 01 28.4**±.97	**6.1S**±.16	**149.7E**±.26	**33**	**3.7b**	**13**	**4-152**
NEIC	II	28 06 01 27.8	6.17S	149.95E	33	3.9b		**¶97ii4152**
EIDC	II	28 06 01 35.1	6.2S	149.5E	78	3.5b		
NEIC	Poor solution.							
ISC	**II**	**28 15 49 42.3**±.41	**7.05S**±.065	**150.4E**±.11	**33**	**4.6b**,3.8s	**32**	**14-155**
EIDC	II	28 15 49 37.7	7.1S	150.6E	0	4.5b,4.0s		**¶97ii4282**
NEIC	II	28 15 49 42.2	7.02S	150.33E	33	4.6b		
MOS	II	28 15 49 42.6	7.0S	150.3E	33	5.1b		
ISC	**II**	**28 20 20 07**±3.5	**5.7S**±.15	**149.8E**±.36	**111**±29	**3.9b**	**11**	**4-84**
EIDC	II	28 20 20 09.4	5.7S	149.6E	114	3.8b		**¶97ii4327**
NEIC	II	28 20 20 10.8	5.82S	149.61E	150	4.2b		
NEIC	Poor solution.							
ISC	**III**	**02 17 02 59**±3.4	**5.71S**±.090	**152.0E**±.12	**37**±31	**4.4b**	**33**	**6-157**
EIDC	III	02 17 02 54.8	5.7S	152.1E	0	4.3b,4.6L		**¶97iii0361**
NEIC	III	02 17 02 58.3	5.70S	151.97E	33	4.9b		
MOS	III	02 17 02 58.9	5.6S	151.9E	33	5.2b		
ISC	**III**	**02 21 11 15**±3.7	**4.9S**±.15	**152.2E**±.15	**92**±33	**4.1b**	**17**	**7-151**
NEIC	III	02 21 11 13.0	4.89S	152.31E	80	4.1b		**¶97iii0406**
EIDC	III	02 21 11 14.9	4.9S	152.3E	86	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**05 13 10 26**±3.0	**5.4S**±.10	**153.0E**±.26	**47**±23	**3.9b**	**15**	**1-96**
NEIC	III	05 13 10 24.1	5.38S	153.05E	33	3.9b		**¶97iii1063**
EIDC	III	05 13 10 28.8	5.2S	152.7E	50	3.6b,4.0L		
NEIC	Less reliable solution.							
EIDC	**III**	**07 08 16 18.3**	**4.4S**	**152.7E**	**0**	**3.5b**		**24-29**
								¶97iii1473
ISC	**III**	**08 06 38 19**±1.2	**5.6S**±.13	**152.7E**±.21	**33**	**4.0b**	**9**	**1-96**
NEIC	III	08 06 38 18.6	5.43S	152.56E	33	4.1b		**¶97iii1687**
EIDC	III	08 06 38 20.0	5.6S	152.8E	45	3.7b,4.0L		
NEIC	Poor solution.							
ISC	**III**	**09 00 26 05**±1.5	**5.63S**±.087	**148.8E**±.15	**187**±13	**4.1b**	**20**	**2-153**
NEIC	III	09 00 26 04.8	5.65S	148.92E	182	4.5b		**¶97iii1871**
EIDC	III	09 00 26 05.6	5.8S	149.1E	183	3.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**11 03 00 23.2**	**6.3S**	**153.8E**	**0**	**3.8b**		**3-83**
								¶97iii2297
ISC	**III**	**12 01 34 26**±1.5	**6.7S**±.33	**151.5E**±.43	**33**	**3.7b**	**6**	**21-84**
EIDC	III	12 01 34 22.2	6.8S	151.7E	0	3.8b		**¶97iii2467**
ISC	**III**	**15 10 17 20**±2.3	**4.8S**±.32	**152.2E**±.47	**74**±19	**4.0b**	**9**	**1-96**
EIDC	III	15 10 17 11.6	4.7S	152.2E	0	4.1b		**¶97iii3030**
ISC	**III**	**16 10 56 10**±4.8	**7.1S**±.33	**149.9E**±.49	**65**±39	**3.3b**	**6**	**4-85**
EIDC	III	16 10 56 03.7	7.2S	150.2E	0	3.5b,3.6L		**¶97iii3211**
NEIC	III	16 10 56 08.2	7.10S	149.97E	50	3.6b		
NEIC	Poor solution.							
ISC	**III**	**16 14 45 08**±1.4	**5.8S**±.20	**150.3E**±.26	**33**	**3.7b**	**10**	**5-152**
EIDC	III	16 14 45 05.3	5.8S	150.2E	0	3.7b		**¶97iii3240**
NEIC	III	16 14 45 08.5	5.87S	150.23E	33	4.2b		
NEIC	Poor solution.							
ISC	**III**	**16 22 40 20**±7.4	**4.4S**±.53	**151.8E**±.71	**33**	**4.5b**	**10**	**5-39**
EIDC	III	16 22 40 15.9	4.4S	151.9E	0	4.5b,4.0L		**¶97iii3278**
ISC	**III**	**17 03 01 40**±3.8	**6.3S**±.21	**148.7E**±.25	**65**±30	**3.8b**	**10**	**3-153**
NEIC	III	17 03 01 38.4	6.21S	148.70E	54	4.1b		**¶97iii3310**
EIDC	III	17 03 01 39.3	6.1S	148.7E	54	3.7b,4.1L		
NEIC	Poor solution.							
ISC	**III**	**18 06 54 10**±1.8	**5.7S**±.61	**152.5E**±.66	**100**	**3.7b**	**6**	**6-83**
NEIC	III	18 06 54 10.4	5.64S	152.46E	100	4.1b		**¶97iii3499**
EIDC	III	18 06 54 15.1	5.5S	152.0E	118	3.4b,4.1L		
NEIC	Poor solution.							
ISC	**III**	**20 02 21 59**±8.2	**6.6S**±.13	**151.5E**±.22	**8**±52	**4.2b**	**15**	**2-151**
EIDC	III	20 02 21 58.2	6.8S	151.9E	0	4.1b		**¶97iii3813**
NEIC	III	20 02 22 02.5	6.60S	151.47E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**21 02 13 37**±7.5	**5.0S**±.35	**149.9E**±.33	**18**±56	**3.5b**	**8**	**2-97**
NEIC	III	21 02 13 41.1	5.00S	149.61E	52	3.6b		**¶97iii3984**
EIDC	III	21 02 13 42.8	5.0S	149.5E	49	3.5b,3.7L		
NEIC	Poor solution.							
ISC	**III**	**22 20 00 39**±1.6	**5.27S**±.058	**152.8E**±.12	**59**±14	**4.4b**	**33**	**1-151**
NEIC	III	22 20 00 36.2	5.27S	152.93E	33	4.4b		**¶97iii4310**
BJI	III	22 20 00 36.4	5.18S	152.86E	34	5.0b		
MOS	III	22 20 00 37.0	5.2S	152.8E	33	5.3b		
EIDC	III	22 20 00 39.2	5.3S	152.9E	41	4.0b,4.1L		
ISC	**III**	**23 11 09 53**±12	**5.7S**±.25	**150.8E**±.33	**27**±84	**3.6b**	**8**	**5-97**
NEIC	III	23 11 09 53.6	5.76S	150.80E	33	4.0b		**¶97iii4433**
EIDC	III	23 11 09 57.2	5.9S	150.9E	48	3.3b,3.7L		
NEIC	Poor solution.							
ISC	**III**	**24 13 25 06**±1.9	**5.8S**±.16	**152.5E**±.37	**33**	**3.9b**	**6**	**2-83**
EIDC	III	24 13 25 01.3	5.9S	152.7E	0	3.9b		**¶97iii4573**
ISC	**III**	**24 21 18 07.6**±.94	**6.4S**±.16	**150.7E**±.20	**33**	**3.8b**	**9**	**3-27**
NEIC	III	24 21 18 01.1	5.72S	150.86E	33	4.2b		**¶97iii4617**
EIDC	III	24 21 18 12.9	6.7S	150.7E	59	3.5b,4.2L		
NEIC	Poor solution.							
ISC	**III**	**28 11 02 27.2**±.97	**5.73S**±.048	**151.01E**±.061	**87**±9.8	**4.5b**	**52**	**2-152**
MOS	III	28 11 02 21.9	5.6S	150.8E	33	5.1b		**¶97iii5430**
BJI	III	28 11 02 23.6	5.70S	150.90E	53	4.8b		
NEIC	III	28 11 02 23.6	5.67S	150.93E	53	5.0b		
EIDC	III	28 11 02 24.7	5.7S	151.1E	51	4.0b,3.8s		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**31 10 04 05**±3.7	**4.7S**±.20	**151.7E**±.17	**117**±31	**4.1b**	**11**	**6-82**
NEIC	III	31 10 04 03.7	4.65S	151.71E	100	4.3b		¶97iii5872
EIDC	III	31 10 04 06.2	4.8S	151.8E	111	3.8b		
NEIC	Poor solution.							
ISC	**III**	**31 23 38 39.7**±.88	**5.60S**±.049	**149.73E**±.077	**154**±9.2	**4.6b**	**52**	**3-153**
BJI	III	31 23 38 38.4	5.57S	149.88E	151	4.7b		¶97iii5945
NEIC	III	31 23 38 39.1	5.61S	149.77E	150	4.7b		
MOS	III	31 23 38 39.4	5.6S	149.8E	155	4.9b		
EIDC	III	31 23 38 39.6	5.6S	149.8E	145	4.4b		
EIDC	**IV**	**02 20 13 22.2**	**6.6S**	**153.7E**	**0**	**3.5b**		**3-83**
								¶97iv0306
ISC	**IV**	**05 00 28 31**±1.7	**5.6S**±.13	**152.0E**±.21	**66**±16	**3.8b**	**11**	**1-97**
NEIC	IV	05 00 28 27.6	5.53S	152.09E	33	4.2b		¶97iv0674
EIDC	IV	05 00 28 32.0	5.8S	152.2E	62	3.6b,4.3L		
NEIC	Less reliable solution.							
ISC	**IV**	**07 07 19 20**±4.7	**6.11S**±.079	**152.6E**±.17	**30**±33	**3.9b**,3.5s	**19**	**2-100**
NEIC	IV	07 07 19 20.0	6.12S	152.66E	33	4.1b		¶97iv1118
EIDC	IV	07 07 19 21.8	6.2S	152.8E	38	3.9b,3.5s		
NEIC	Less reliable solution.							
EIDC	**IV**	**07 13 09 01.3**	**5.5S**	**152.5E**	**0**	**3.6b**		**23-96**
								¶97iv1164
ISC	**IV**	**08 03 07 41**±1.6	**5.6S**±.23	**148.2E**±.40	**33**	**3.5b**	**6**	**4-85**
NEIC	IV	08 03 07 40.9	5.58S	148.12E	33	3.7b		¶97iv1266
EIDC	IV	08 03 07 45.3	7.0S	149.9E	85	3.1b,4.1L		
NEIC	Poor solution.							
ISC	**IV**	**10 01 51 19**±1.1	**6.7S**±.20	**149.2E**±.21	**33**	**4.2b**	**7**	**4-85**
EIDC	IV	10 01 51 12.0	6.4S	149.5E	0	4.3b,4.4L		¶97iv1609
NEIC	IV	10 01 51 18.6	6.65S	149.14E	33	4.9b		
NEIC	Poor solution.							
ISC	**IV**	**12 04 11 53**±1.8	**4.54S**±.046	**152.94E**±.056	**53**±16	**5.0b,4.3s**	**155**	**8-158**
MOS	IV	12 04 11 51.1	4.4S	153.0E	33	5.5b		¶97iv2006
BJI	IV	12 04 11 51.1	4.55S	153.15E	46	5.3b,4.8s		
NEIC	IV	12 04 11 51.4	4.52S	152.92E	39	5.0b,4.5s		
EIDC	IV	12 04 11 55.0	4.6S	152.9E	58	4.5b,3.8s		
HRVD	IV	12 04 11 56.7±.4	4.64S±.05	153.08E±.06	59±5.0			
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c44; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}6.07±.34; $M_{\theta\theta}$−2.80±.53; $M_{\phi\phi}$−3.27±.59; $M_{r\theta}$3.80±.69; $M_{r\phi}$1.07±.65; $M_{\theta\phi}$−1.36±.46. Principal Axes: T 7.50,Plg70°,Azm352°; N −2.04, Plg10°,Azm234°; P −5.46,Plg17°,Azm141°. Best double couple: $M_0$6.5×10^{16}Nm, NP1: ϕ_S216°,δ29°,λ70°. NP2:ϕ_S59°,δ63°,λ101°.							
ISC	**IV**	**12 15 40 42**±2.2	**6.36S**±.090	**148.1E**±.17	**48**±17	**4.1b**,2.7s	**19**	**1-85**
EIDC	IV	12 15 40 37.6	6.2S	147.7E	0	3.7b,2.7s		¶97iv2091
NEIC	IV	12 15 40 40.7	6.28S	147.99E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**13 20 03 00**±5.8	**6.3S**±.39	**151.1E**±.61	**48**±43	**3.7b**	**6**	**5-84**
EIDC	IV	13 20 02 52.8	6.6S	151.7E	0	3.5b,3.5L		¶97iv2292
ISC	**IV**	**14 19 27 08**±1.5	**5.7S**±.18	**150.7E**±.35	**33**	**3.6b**	**6**	**21-84**
EIDC	IV	14 19 27 04.4	5.7S	150.7E	0	3.6b		¶97iv2501
NEIC	IV	14 19 27 07.9	5.70S	150.67E	33	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**16 08 47 44**±1.7	**5.0S**±.11	**152.5E**±.20	**64**±14	**4.2b**	**17**	**1-99**
NEIC	IV	16 08 47 44.4	5.00S	152.43E	64	4.6b		¶97iv2726
EIDC	IV	16 08 47 49.5	5.2S	152.4E	99	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**18 12 55 33**±6.5	**5.1S**±.71	**152.8E**±.32	**33**	**4.0b**	**7**	**7-29**
EIDC	IV	18 12 55 59.7	7.6S	152.2E	87	3.6b,4.0L		¶97iv3079
ISC	**IV**	**18 22 15 22**±2.3	**6.2S**±.43	**153.4E**±.64	**33**	**3.7b**	**6**	**23-83**
EIDC	IV	18 22 15 18.0	6.3S	153.5E	0	3.8b		¶97iv3129
NEIC	IV	18 22 15 21.7	6.19S	153.41E	33	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**19 21 49 57**±2.5	**5.9S**±.16	**148.6E**±.28	**116**±17	**3.9b**	**9**	**2-85**
EIDC	IV	19 21 49 40.2	6.4S	150.1E	0	3.9b		¶97iv3241
NEIC	IV	19 21 49 54.6	5.91S	148.73E	100	4.3b		
NEIC	Poor solution.							
ISC	**IV**	**21 11 47 25**±2.2	**6.5S**±.31	**150.8E**±.42	**47**±24	**3.8b**	**9**	**3-98**
EIDC	IV	21 11 47 19.9	6.3S	150.7E	0	3.7b		¶97iv3455
NEIC	IV	21 11 47 24.0	6.51S	150.84E	33	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**22 13 19 46.4**±.84	**6.01S**±.043	**150.75E**±.062	**70**±8.4	**4.6b**	**68**	**2-156**
BJI	IV	22 13 19 42.0	6.00S	150.70E	44	4.8b		¶97iv3743
MOS	IV	22 13 19 45.1	6.0S	150.7E	52	5.1b		
NEIC	IV	22 13 19 46.0	6.03S	150.72E	64	5.0b		
EIDC	IV	22 13 19 48.8	6.1S	150.8E	74	4.1b,4.1s		
ISC	**IV**	**23 00 00 53**±4.7	**5.0S**±.35	**152.5E**±.55	**65**±42	**3.6b**	**6**	**1-96**
EIDC	IV	23 00 00 46.1	4.8S	152.4E	0	3.7b		¶97iv3853
ISC	**IV**	**23 11 34 17.0**±.93	**4.3S**±.22	**150.8E**±.16	**33**	**3.9b**	**8**	**1-96**
EIDC	IV	23 11 34 15.3	2.8S	148.6E	0	3.9b,3.7L		¶97iv3947
NEIC	IV	23 11 34 18.6	2.88S	148.53E	33	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**23 13 36 57**±1.1	**6.4S**±.15	**153.0E**±.16	**33**	**3.6b**	**9**	**6-97**
EIDC	IV	23 13 36 53.7	6.4S	153.0E	0	3.8b		¶97iv3968
NEIC	IV	23 13 36 57.3	6.43S	152.96E	33	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**23 14 24 00**±1.1	**5.7S**±.12	**152.6E**±.24	**33**	**3.7b**	**8**	**2-96**
NEIC	IV	23 14 23 59.5	5.71S	152.61E	33	4.0b		¶97iv3974
EIDC	IV	23 14 23 59.8	5.6S	152.4E	25	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 07 52 36**±1.4	**6.7S**±.23	**153.1E**±.33	**33**	**3.6b**	**6**	**15-84**
EIDC	IV	24 07 52 32.1	6.5S	153.0E	0	3.8b,3.8L		¶97iv4103
NEIC	IV	24 07 52 35.8	6.64S	153.04E	33			
NEIC	Poor solution.							
EIDC	**IV**	**24 10 37 33.7**	**7.9S**	**151.6E**	**0**	**3.4b**		**21-85**
								¶97iv4126
ISC	**IV**	**24 11 51 53**±1.1	**5.36S**±.082	**151.9E**±.15	**103**±10	**4.1b**	**24**	**1-134**
EIDC	IV	24 11 51 40.8	5.3S	152.1E	0	4.1b,3.6L		¶97iv4136
NEIC	IV	24 11 51 51.9	5.43S	151.97E	98	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 15 22 15**±1.9	**5.7S**±.15	**152.6E**±.35	**33**	**3.7b**	**6**	**2-83**
EIDC	IV	24 15 22 10.3	6.1S	153.2E	0	3.6b		¶97iv4169
NEIC	IV	24 15 22 15.0	5.71S	152.58E	33	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**24 16 21 17**±2.2	**5.5S**±.13	**152.1E**±.26	**54**±18	**3.9b**,2.8s	**12**	**1-96**
EIDC	IV	24 16 21 11.0	5.6S	152.2E	0	4.0b,3.5s		¶97iv4175
NEIC	IV	24 16 21 14.8	5.59S	152.20E	33	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**24 16 51 43**±1.5	**5.43S**±.096	**152.0E**±.19	**62**±15	**4.0b**	**16**	**1-124**
NEIC	IV	24 16 51 39.5	5.37S	151.98E	33	4.3b		¶97iv4179
EIDC	IV	24 16 51 53.5	5.7S	151.9E	157	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 17 31 34**±1.6	**5.50S**±.095	**152.0E**±.16	**62**±14	**4.2b**	**18**	**1-124**
EIDC	IV	24 17 31 27.0	5.5S	152.1E	0	4.2b		¶97iv4188
NEIC	IV	24 17 31 31.0	5.60S	152.12E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 22 45 04**±1.4	**5.49S**±.075	**152.1E**±.13	**58**±12	**4.3b,3.7s**	**33**	**1-124**
EIDC	IV	24 22 44 57.2	5.3S	151.9E	0	4.1b,3.3s		¶97iv4223
NEIC	IV	24 22 45 00.9	5.49S	152.16E	33	4.6b		
BJI	IV	24 22 45 06.0	4.54S	151.76E	33	4.9b,5.4s		
NEIC	Less reliable solution.							
ISC	**IV**	**24 22 45 07**±1.0	**5.3S**±.17	**152.0E**±.25	**33**	**4.3b**	**11**	**22-157**
EIDC	IV	24 22 45 03.8	5.3S	152.1E	0	4.5b		¶97iv4224
ISC	**IV**	**24 22 55 05**±1.3	**5.6S**±.14	**152.4E**±.27	**33**	**3.9b**	**9**	**1-96**
EIDC	IV	24 22 55 01.0	5.4S	152.2E	0	3.9b		¶97iv4225
NEIC	IV	24 22 55 04.5	5.66S	152.48E	33	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**24 23 20 28**±1.3	**5.7S**±.14	**152.6E**±.26	**33**	**3.6b**	**7**	**2-96**
EIDC	IV	24 23 20 23.2	6.2S	153.1E	0	3.6b		¶97iv4230
NEIC	IV	24 23 20 27.4	5.67S	152.57E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**28 09 46 23**±2.5	**6.4S**±.12	**151.6E**±.48	**33**	**3.6b**	**7**	**4-27**
EIDC	IV	28 09 46 24.3	6.7S	151.4E	0	3.5b,3.8L		¶97iv4887
NEIC	IV	28 09 46 24.8	6.35S	151.32E	33	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**28 15 22 40**±2.4	**6.2S**±.16	**152.0E**±.18	**47**±32	**3.2b**	**5**	**2-84**
EIDC	IV	28 15 22 35.3	6.0S	151.9E	0	3.2b,4.1L		¶97iv4948
NEIC	IV	28 15 22 39.1	6.21S	151.95E	33			
ISC	Poorly determined							
NEIC	Less reliable solution.							
ISC	**IV**	**28 18 32 06**±1.6	**6.35S**±.067	**152.1E**±.13	**39**±14	**4.3b**	**29**	**2-150**
NEIC	IV	28 18 32 05.6	6.37S	152.10E	33	4.5b		¶97iv4969
EIDC	IV	28 18 32 08.4	6.5S	152.2E	42	4.0b		
ISC	**IV**	**29 03 50 53**±2.3	**7.02S**±.034	**153.93E**±.041	**32**±16	**5.3b,5.0s**	**265**	**3-159**
EIDC	IV	29 03 50 51.6	7.0S	154.0E	18	5.2b,4.5s		¶97iv5016
MOS	IV	29 03 50 52.6	7.0S	154.0E	33	5.8b,4.9s		
NEIC	IV	29 03 50 52.8	6.99S	153.88E	33	5.3b,5.1s		
BJI	IV	29 03 50 53.1	6.85S	154.21E	37	5.4b,5.1s		
HRVD	IV	29 03 50 53.9±.3	7.08S±.05	153.95E±.04	15			
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c53; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.58±.04; $M_{\theta\theta}$0.83±.06; $M_{\phi\phi}$0.75±.06; $M_{r\theta}$−0.94±.20; $M_{r\phi}$−0.01±.19; $M_{\theta\phi}$−0.89±.04. Principal Axes: T 1.82,Plg12°,Azm219°; N 0.12,Plg18°,Azm125°; P −1.94,Plg68°,Azm341°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S332°,δ37°,λ−58°. NP2:ϕ_S114°,δ59°,λ−111°.							
ISC	**IV**	**29 14 14 04**±1.6	**5.1S**±.11	**152.8E**±.25	**33**	**3.9b**	**8**	**1-82**
EIDC	IV	29 14 13 59.6	5.1S	152.8E	0	3.9b		¶97iv5091
ISC	**IV**	**30 12 13 14**±1.1	**5.8S**±.22	**148.4E**±.21	**33**	**3.7b**	**8**	**4-85**
EIDC	IV	30 12 13 08.5	6.8S	149.9E	0	3.7b,3.9L		¶97iv5217
NEIC	IV	30 12 13 13.7	5.80S	148.34E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**01 01 08 01.4**±.80	**7.9S**±.10	**153.7E**±.13	**33**	**4.1b**,3.4s	**16**	**7-98**
EIDC	V	01 01 07 57.5	8.0S	153.9E	0	4.1b,3.4s		¶97v0008
NEIC	V	01 01 08 01.4	7.87S	153.73E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**V**	**03 01 30 58**±1.4	**6.3S**±.26	**153.6E**±.34	**33**	**3.7b**	**8**	**3-96**
EIDC	V	03 01 30 52.7	6.4S	154.0E	0	3.7b		¶97v0353
ISC	**V**	**03 04 28 14**±1.2	**5.55S**±.067	**148.9E**±.15	**171**±10	**4.2b**	**31**	**2-153**
NEIC	V	03 04 28 11.5	5.50S	149.01E	150	4.5b		¶97v0376
MOS	V	03 04 28 13.5	5.6S	149.1E	167	4.5b		
EIDC	V	03 04 28 15.6	5.6S	149.0E	178	3.9b		
NEIC	Less reliable solution.							
ISC	**V**	**03 06 28 40**±2.0	**5.6S**±.16	**152.7E**±.36	**33**	**3.5b**	**4**	**2-83**
EIDC	V	03 06 28 35.1	6.0S	153.3E	0	3.6b		¶97v0389
ISC	Poorly determined							
ISC	**V**	**03 08 53 34**±1.8	**6.2S**±.19	**150.8E**±.27	**74**±25	**3.7b**	**9**	**2-84**
EIDC	V	03 08 53 25.9	6.0S	150.8E	0	3.8b		¶97v0407
NEIC	V	03 08 53 35.5	6.14S	150.88E	100	4.0b		
NEIC	Poor solution.							
ISC	**V**	**03 10 11 08**±4.0	**5.3S**±.31	**148.1E**±.26	**33**	**3.6b**	**12**	**1-84**
NEIC	V	03 10 11 22.0	6.52S	147.57E	33	3.6b		¶97v0414
EIDC	V	03 10 11 26.4	7.6S	147.8E	0	3.5b,3.8L		
NEIC	Poor solution.							
ISC	**V**	**04 07 57 44**±1.2	**4.0S**±.20	**150.9E**±.27	**33**	**4.0b**	**10**	**7-82**
NEIC	V	04 07 57 43.4	4.03S	150.90E	33	4.3b		¶97v0593
EIDC	V	04 07 57 44.9	3.9S	150.7E	33	3.9b,4.0L		
NEIC	Poor solution.							
ISC	**V**	**05 05 22 28**±1.9	**5.2S**±.14	**152.2E**±.23	**72**±16	**4.0b**	**12**	**1-96**
EIDC	V	05 05 22 19.0	5.3S	152.6E	0	4.2b,3.0s		¶97v0743
NEIC	V	05 05 22 23.6	5.11S	152.22E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**V**	**05 12 00 32**±1.3	**5.5S**±.13	**152.7E**±.21	**33**	**3.7b**	**7**	**1-96**
EIDC	V	05 12 00 28.3	5.3S	152.7E	0	3.7b,3.9L		¶97v0778
NEIC	V	05 12 00 32.0	5.52S	152.71E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**V**	**06 05 53 19**±1.8	**5.5S**±.14	**152.8E**±.30	**33**	**3.3b**	**5**	**1-83**
EIDC	V	06 05 53 16.1	5.4S	152.7E	0	3.4b		¶97v0916
NEIC	V	06 05 53 19.3	5.47S	152.82E	33	3.4b		
NEIC	Poor solution.							
ISC	**V**	**06 18 42 13.0**±.79	**6.17S**±.053	**149.03E**±.069	**61**±7.8	**4.6b**	**44**	**1-154**
MOS	V	06 18 42 12.4	6.1S	148.9E	50	4.9b		¶97v0994
NEIC	V	06 18 42 13.1	6.18S	149.03E	62	4.7b		
EIDC	V	06 18 42 15.5	6.3S	149.2E	79	4.1b,2.8s		
ISC	**V**	**08 18 25 49**±2.0	**6.8S**±.21	**152.3E**±.44	**33**	**3.6b**	**7**	**3-125**
EIDC	V	08 18 25 45.8	6.4S	151.9E	0	3.5b		¶97v1294
NEIC	V	08 18 25 48.9	6.74S	152.19E	33	3.8b		
NEIC	Poor solution.							
ISC	**V**	**08 18 36 55**±7.9	**6.8S**±.20	**152.2E**±.37	**21**±57	**3.5b**	**8**	**3-125**
EIDC	V	08 18 36 52.1	7.1S	152.7E	0	3.5b		¶97v1296
NEIC	V	08 18 36 56.9	6.69S	151.97E	33	3.6b		
NEIC	Poor solution.							
ISC	**V**	**09 18 45 07**±1.5	**6.52S**±.059	**153.34E**±.092	**56**±14	**4.3b**,4.5s	**32**	**3-149**
EIDC	V	09 18 44 59.5	6.7S	153.7E	0	4.2b,5.0L		¶97v1467
MOS	V	09 18 45 03.5	6.6S	153.5E	33	5.2b		
BJI	V	09 18 45 03.5	6.60S	153.50E	33	4.9b		
NEIC	V	09 18 45 03.5	6.59S	153.55E	33	4.2b		
ISC	**V**	**09 19 55 39.4**±.82	**4.4S**±.19	**150.9E**±.17	**33**	**4.0b**	**11**	**1-96**
EIDC	V	09 19 55 37.3	2.8S	148.3E	0	4.3b,4.2L		¶97v1479
ISC	**V**	**10 06 46 17**±2.0	**6.9S**±.61	**151.0E**±.61	**0**	3.6b	**5**	**5-85**
EIDC	V	10 06 46 17.3	7.2S	151.4E	0	3.4b,4.1L		¶97v1539

ISC	**V**	**11 16 37 01**±1.7	**6.4S**±.26	**150.6E**±.31	**56**±21	**3.6b**	**7**	**3-84**
NEIC	V	11 16 37 01.5	6.41S	150.59E	58	3.8b		**¶97v1809**
EIDC	V	11 16 37 03.7	6.4S	150.5E	60	3.5b,4.1L		
NEIC	Less reliable solution.							
ISC	**V**	**11 16 45 59**±1.5	**6.3S**±.11	**150.6E**±.21	**68**±20	**3.6b**	**10**	**3-124**
EIDC	V	11 16 45 51.9	6.3S	150.8E	0	3.9b		**¶97v1811**
NEIC	V	11 16 45 59.2	6.35S	150.61E	67	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**12 12 16 27**±1.6	**6.2S**±.34	**150.2E**±.38	**38**±20	**3.6b**,2.7s	**8**	**3-98**
EIDC	V	12 12 16 26.0	6.5S	150.4E	0	3.5b,3.5L		**¶97v1956**
NEIC	V	12 12 16 26.9	6.13S	150.20E	33	3.6b		
NEIC	Poor solution.							
ISC	**V**	**16 09 58 26**±2.5	**6.46S**±.086	**149.3E**±.19	**57**±19	**4.4b**	**25**	**1-154**
NEIC	V	16 09 58 22.8	6.42S	149.48E	33	4.7b		**¶97v2754**
EIDC	V	16 09 58 25.1	6.1S	148.9E	36	4.1b,4.8L		
ISC	**V**	**17 02 28 31**±1.2	**6.13S**±.048	**150.33E**±.092	**54**±11	**4.5b,4.3s**	**56**	**4-155**
BJI	V	17 02 28 28.4	6.05S	150.80E	39	4.6b,4.9s		**¶97v2869**
NEIC	V	17 02 28 28.6	6.04S	150.27E	33	4.8b,4.6s		
EIDC	V	17 02 28 28.9	6.1S	150.5E	27	4.2b,4.3s		
MOS	V	17 02 28 29.4	6.0S	150.2E	33	4.9b		
NEIC	ML4.7(PMG).							
ISC	**V**	**17 14 48 58**±1.0	**5.3S**±.16	**150.7E**±.22	**118**±14	**3.6b**	**10**	**2-83**
EIDC	V	17 14 48 57.1	5.6S	151.2E	102	3.3b,3.2s		**¶97v2943**
NEIC	V	17 14 48 58.2	5.33S	150.74E	118	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**18 17 51 58**±1.0	**5.84S**±.046	**151.04E**±.086	**55**±10	**4.5b,3.9s**	**47**	**2-152**
EIDC	V	18 17 51 52.2	5.8S	151.2E	0	4.3b,3.5s		**¶97v3127**
BJI	V	18 17 51 58.4	5.80S	151.00E	55	5.0b,4.8s		
NEIC	V	18 17 51 58.4	5.84S	151.06E	55	4.7b,4.5s		
MOS	V	18 17 51 58.8	5.9S	151.0E	54	5.3b		
ISC	**V**	**19 22 49 53**±8.3	**6.6S**±.98	**149.8E**±.48	**52**	3.3b	**4**	**4-26**
EIDC	V	19 22 49 56.5	6.8S	149.7E	52	3.2b,3.6L		**¶97v3316**
ISC	Poorly determined							
ISC	**V**	**21 03 05 57.1**±.98	**5.87S**±.059	**150.43E**±.081	**76**±10	**4.5b**	**42**	**2-155**
EIDC	V	21 03 05 55.2	5.7S	150.4E	50	4.4b,3.4s		**¶97v3501**
NEIC	V	21 03 05 56.9	5.83S	150.40E	74	4.8b		
MOS	V	21 03 05 57.1	6.0S	150.5E	62	5.0b		
ISC	**V**	**25 15 40 52**±1.1	**5.29S**±.057	**151.7E**±.10	**72**±10	**4.3b**	**44**	**1-151**
EIDC	V	25 15 40 43.6	4.9S	151.6E	0	4.2b,3.5s		**¶97v4294**
NEIC	V	25 15 40 52.0	5.27S	151.69E	74	4.5b		
BJI	V	25 15 40 52.3	5.02S	151.72E	66	5.1b		
ISC	**V**	**26 20 03 42**±5.4	**6.2S**±.19	**153.9E**±.70	**33**	**3.4b**	**6**	**3-28**
EIDC	V	26 20 03 35.3	5.9S	154.0E	0	3.6b		**¶97v4461**
NEIC	V	26 20 03 42.0	6.25S	153.84E	33	3.7b		
NEIC	Poor solution.							
ISC	**V**	**26 23 23 44**±1.6	**4.7S**±.36	**151.9E**±.50	**33**	**3.6b**	**5**	**23-82**
EIDC	V	26 23 23 40.2	4.5S	151.8E	0	3.5b		**¶97v4484**
ISC	**V**	**28 02 03 13**±1.5	**6.2S**±.22	**152.1E**±.41	**33**	**3.9b**	**5**	**2-97**
EIDC	V	28 02 03 08.6	6.5S	152.6E	0	4.0b		**¶97v4641**
NEIC	V	28 02 03 13.1	6.19S	152.08E	33			
NEIC	Poor solution.							
ISC	**V**	**28 02 08 56**±4.3	**5.7S**±.35	**148.5E**±.27	**33**	**4.2b**	**8**	**2-153**
EIDC	V	28 02 09 00.5	6.6S	148.5E	0	4.0b,4.0L		**¶97v4643**
EIDC	**V**	**29 03 04 17.1**	**6.3S**	**148.0E**	**0**	3.9b,3.9L		**0-26**
								¶97v4806
ISC	**V**	**30 16 45 54**±1.5	**6.3S**±.13	**150.0E**±.20	**61**±22	**3.6b**	**9**	**3-27**
EIDC	V	30 16 45 42.0	5.7S	150.4E	0	3.6b,3.7L		**¶97v5065**
ISC	**VI**	**01 12 27 08**±2.1	**5.41S**±.075	**152.9E**±.17	**48**±18	**4.3b**,3.1s	**26**	**1-151**
EIDC	VI	01 12 27 03.1	5.5S	153.0E	0	4.3b,3.2s		**¶97vi0084**
NEIC	VI	01 12 27 05.9	5.40S	153.11E	33			
NEIC	Single network solution.							
ISC	**VI**	**03 05 37 32**±2.0	**5.3S**±.57	**151.7E**±.85	**33**	**3.5b**	**6**	**1-96**
EIDC	VI	03 05 37 28.6	5.3S	151.8E	0	3.5b		**¶97vi0390**
ISC	**VI**	**03 15 36 29**±1.5	**5.4S**±.11	**151.3E**±.18	**85**±16	**4.2b**	**19**	**2-152**
NEIC	VI	03 15 36 25.6	5.51S	151.46E	55			**¶97vi0480**
EIDC	VI	03 15 36 26.9	5.6S	151.5E	53	3.9b		
NEIC	Poor solution.							
ISC	**VI**	**03 21 47 34**±5.4	**6.9S**±.14	**154.0E**±.12	**156**±51	**4.0b**	**20**	**10-149**
EIDC	VI	03 21 48 05.5	7.0S	153.0E	454	3.4b		**¶97vi0521**
ISC	**VI**	**05 01 24 17**±1.1	**5.42S**±.062	**150.6E**±.11	**116**±12	**4.4b**	**28**	**2-152**
NEIC	VI	05 01 24 15.0	5.36S	150.67E	100	4.3b		**¶97vi0694**
EIDC	VI	05 01 24 17.5	5.3S	150.5E	113	3.9b,3.6s		
BJI	VI	05 01 24 20.4	5.48S	150.22E	128	4.8b		
NEIC	Less reliable solution.							
ISC	**VI**	**08 12 12 31**±1.1	**5.3S**±.10	**151.5E**±.17	**127**±10	**4.0b**	**16**	**1-152**
NEIC	VI	08 12 12 27.9	5.22S	151.52E	100			**¶97vi1235**
EIDC	VI	08 12 12 30.7	5.3S	151.5E	110	3.8b		
NEIC	Less reliable solution.							
ISC	**VI**	**09 10 04 27**±1.6	**6.1S**±.21	**149.8E**±.21	**61**±20	**4.0b**	**8**	**3-72**
EIDC	VI	09 10 04 17.5	5.7S	149.9E	0	4.0b,3.4L		**¶97vi1379**
ISC	**VI**	**09 11 39 22**±1.9	**6.7S**±.10	**149.2E**±.13	**96**±16	**4.6b**	**22**	**2-131**
EIDC	VI	09 11 39 38.1	7.0S	149.1E	240	3.9b,3.0s		**¶97vi1391**
EIDC	**VI**	**10 09 19 03.1**	**6.3S**	**150.3E**	**72**	**3.4b**,3.8L		**4-27**
								¶97vi1501
ISC	**VI**	**10 15 15 54.0**±.87	**6.40S**±.060	**149.40E**±.068	**46**±9.0	**4.4b,3.4s**	**35**	**2-154**
EIDC	VI	10 15 15 52.1	6.3S	149.5E	17	4.2b,3.5s		**¶97vi1542**
NEIC	VI	10 15 15 56.0	6.44S	149.33E	65	4.8b		
NEIC	Less reliable solution.							
ISC	**VI**	**13 04 57 59.4**±.92	**5.62S**±.050	**149.42E**±.075	**145**±9.6	**4.3b**	**48**	**3-153**
NEIC	VI	13 04 57 57.9	5.53S	149.38E	133	4.6b		**¶97vi1935**
BJI	VI	13 04 57 58.8	5.55S	149.40E	135	4.8b		
MOS	VI	13 04 57 59.0	5.7S	149.6E	146	5.0b		
EIDC	VI	13 04 57 59.5	5.6S	149.5E	137	4.0b,3.5s		
ISC	**VI**	**13 21 23 30**±2.8	**5.8S**±.45	**149.3E**±.42	**50**±29	3.4b	**6**	**3-27**
NEIC	VI	13 21 23 26.0	5.50S	149.36E	33	4.0b		**¶97vi2043**
EIDC	VI	13 21 23 33.0	6.0S	149.4E	47	3.3b,4.3L		
NEIC	Poor solution.							
ISC	**VI**	**15 04 05 35**±2.3	**6.3S**±.18	**151.6E**±.30	**51**±20	**3.9b**	**8**	**2-97**
EIDC	VI	15 04 05 37.4	6.4S	151.7E	66	3.7b,3.6L		**¶97vi2235**
ISC	**VI**	**15 07 03 10**±5.5	**5.0S**±.47	**149.2E**±.55	**33**	**3.6b**	**6**	**5-28**
EIDC	VI	15 07 03 12.4	5.1S	149.2E	31	3.6b,3.4L		**¶97vi2254**
ISC	**VI**	**15 08 58 33**±1.0	**4.5S**±.17	**151.2E**±.25	**150**	**3.8b**	**10**	**16-96**
EIDC	VI	15 08 58 16.6	3.8S	150.6E	0	3.9b,3.8L		**¶97vi2268**
NEIC	VI	15 08 58 32.6	4.53S	151.16E	150	4.0b		
NEIC	Poor solution.							
EIDC	**VI**	**15 12 39 00.9**	**7.6S**	**151.6E**	**0**	**3.3b**		**21-85**
								¶97vi2297
ISC	**VI**	**15 23 14 43**±1.7	**5.5S**±.12	**152.1E**±.20	**69**±14	**4.0b**	**19**	**1-134**
NEIC	VI	15 23 14 38.5	5.40S	152.27E	33	4.4b		**¶97vi2372**
EIDC	VI	15 23 14 40.4	5.4S	152.3E	35	3.8b,4.1L		
NEIC	Less reliable solution.							
ISC	**VI**	**18 05 55 10**±2.4	**6.5S**±.21	**148.3E**±.32	**230**±22	**3.5b**	**7**	**2-85**
EIDC	VI	18 05 55 09.9	6.5S	148.4E	220	3.2b		**¶97vi2732**
EIDC	**VI**	**18 08 32 46.0**	**6.6S**	**150.3E**	**0**	**3.4b**		**20-26**
								¶97vi2757
ISC	**VI**	**18 09 42 11**±1.6	**6.7S**±.34	**149.6E**±.47	**155**	**3.1b**	**5**	**4-85**
EIDC	VI	18 09 42 12.5	6.7S	149.6E	155	3.0b		**¶97vi2771**
ISC	**VI**	**18 12 22 58**±4.0	**6.4S**±.33	**149.6E**±.47	**77**±32	**3.6b**	**7**	**4-85**
EIDC	VI	18 12 22 59.0	6.4S	149.6E	76	3.5b		**¶97vi2782**
ISC	**VI**	**18 23 05 40**±4.0	**4.7S**±.17	**151.9E**±.31	**117**±32	**4.3b**	**14**	**7-82**
EIDC	VI	18 23 05 40.9	4.7S	152.0E	110	3.8b		**¶97vi2841**
NEIC	VI	18 23 05 44.1	4.74S	151.69E	150	4.5b		
NEIC	Poor solution.							
ISC	**VI**	**21 16 59 36**±1.5	**6.9S**±.31	**150.4E**±.41	**33**	**3.8b**	**7**	**4-85**
EIDC	VI	21 16 59 32.6	6.9S	150.6E	0	3.7b		**¶97vi3252**
EIDC	**VI**	**21 17 12 43.2**	**4.7S**	**150.4E**	**0**	**3.7b**		**22-28**
								¶97vi3253
ISC	**VI**	**21 17 46 51**±5.0	**7.4S**±.28	**149.4E**±.58	**63**±36	**3.8b**	**8**	**3-86**
EIDC	VI	21 17 46 44.1	7.5S	149.8E	0	3.7b,3.0L		**¶97vi3261**
ISC	**VI**	**21 18 45 15**±3.2	**5.8S**±.18	**148.4E**±.22	**36**±25	**3.8b**	**9**	**2-85**
EIDC	VI	21 18 45 11.5	5.7S	148.4E	0	3.4L,3.7b		**¶97vi3263**
NEIC	VI	21 18 45 14.9	5.83S	148.40E	33	3.9b		
NEIC	Poor solution.							
EIDC	**VI**	**21 18 46 27.7**	**6.0S**	**149.2E**	**0**	**3.6b**		**1-85**
								¶97vi3264
ISC	**VI**	**22 01 04 30.2**±.98	**4.62S**±.058	**152.44E**±.094	**93**±8.8	**4.6b**	**41**	**1-157**
NEIC	VI	22 01 04 28.3	4.60S	152.46E	74	4.7b		**¶97vi3302**
EIDC	VI	22 01 04 29.6	4.7S	152.7E	78	4.2b,3.1s		
MOS	VI	22 01 04 31.6	4.6S	152.5E	105	4.6b		
EIDC	**VI**	**22 04 19 46.6**	**4.5S**	**152.2E**	**0**	**3.5b**		**0-82**
								¶97vi3324
EIDC	**VI**	**22 06 09 06.2**	**5.7S**	**148.2E**	**0**	3.3b,3.5L		**20-85**
								¶97vi3334
ISC	**VI**	**23 09 38 04**±4.8	**5.7S**±.22	**152.1E**±.30	**60**±39	**3.9b**	**10**	**6-84**
NEIC	VI	23 09 38 01.0	5.68S	152.24E	33			**¶97vi3509**
EIDC	VI	23 09 38 01.9	5.9S	152.5E	28	3.8b,4.2L		
NEIC	Poor solution.							
ISC	**VI**	**23 12 49 01.1**±.86	**5.72S**±.087	**150.4E**±.21	**33**	**4.2b**	**20**	**3-84**
EIDC	VI	23 12 48 57.4	5.8S	150.6E	0	4.0b,4.0L		**¶97vi3531**
MOS	VI	23 12 48 59.0	5.8S	150.9E	33	4.8b		
NEIC	VI	23 12 49 00.3	5.73S	150.45E	33	4.7b		
NEIC	Poor solution.							
ISC	**VI**	**25 01 38 54**±5.1	**6.4S**±.15	**153.5E**±.35	**97**±40	**3.9b**	**18**	**7-149**
NEIC	VI	25 01 38 44.8	6.58S	153.94E	33			**¶97vi3826**
EIDC	VI	25 01 38 54.8	6.7S	153.5E	89	3.7b,4.5L		
NEIC	Poor solution.							
ISC	**VI**	**26 14 14 25**±1.5	**6.3S**±.32	**149.9E**±.41	**33**	**3.7b**	**6**	**4-85**
EIDC	VI	26 14 14 20.8	6.0S	149.8E	0	3.7b,4.1L		**¶97vi4155**
NEIC	VI	26 14 14 24.6	6.31S	149.86E	33	3.6b		
NEIC	Poor solution.							
ISC	**VI**	**29 09 34 41**±1.8	**5.75S**±.083	**152.4E**±.14	**45**±15	**4.3b**	**34**	**2-151**
NEIC	VI	29 09 34 39.1	5.75S	152.48E	33	4.4b		**¶97vi4602**
MOS	VI	29 09 34 41.0	5.3S	152.2E	33	4.8b		
EIDC	VI	29 09 34 47.3	5.3S	151.8E	87	4.1b,3.9L		

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ISC	**I**	**01 03 52 26**±5.4	**8.6S**±.29	**155.4E**±.79	**33**	**3.5b**	**4**	**23-62**
EIDC	I	01 03 52 23.0	8.5S	155.4E	0	3.6b		**¶97i0021**
ISC	Poorly determined							
EIDC	**I**	**01 03 54 02.2**	**5.4S**	**155.4E**	**0**	**3.6b**		**6-82**
								¶97i0023
ISC	**I**	**01 18 07 03.0**±.37	**8.63S**±.051	**157.62E**±.069	**33**	**4.5b,3.6s**	**52**	**2-145**
EIDC	I	01 18 07 00.1	8.5S	157.6E	0	4.4b,3.6s		**¶97i0099**
NEIC	I	01 18 07 02.8	8.56S	157.58E	33	4.3b		
BJI	I	01 18 07 04.0	7.68S	157.25E	5	5.2b		
NEIC	Less reliable solution.							
ISC	**I**	**02 09 21 22**±4.7	**6.5S**±.25	**156.1E**±.66	**33**	**3.9b**	**6**	**25-62**
EIDC	I	02 09 21 21.0	6.6S	155.8E	0	4.0b		**¶97i0181**
NEIC	I	02 09 21 22.0	6.50S	156.09E	33	4.1b		
NEIC	Poor solution.							
EIDC	**I**	**03 16 00 38.2**	**7.0S**	**155.6E**	**0**	**3.5b**		**24-61**
								¶97i0402
ISC	**I**	**04 02 12 30**±2.2	**6.99S**±.083	**155.33E**±.076	**89**±22	**4.4b**	**65**	**5-148**
EIDC	I	04 02 12 19.8	6.9S	155.6E	0	4.4b,3.5L		**¶97i0460**
BJI	I	04 02 12 23.0	6.90S	155.40E	33	4.9b		
NEIC	I	04 02 12 23.4	6.91S	155.42E	33	4.6b		
ISC	**I**	**05 12 29 30**±1.0	**5.74S**±.038	**154.46E**±.057	**155**±9.2	**4.8b**	**110**	**3-149**
BJI	I	05 12 29 26.4	5.22S	154.63E	113	5.2b		**¶97i0669**
NEIC	I	05 12 29 27.3	5.70S	154.52E	130	5.1b		
EIDC	I	05 12 29 28.8	5.7S	154.6E	132	4.5b		
MOS	I	05 12 29 29.7	5.5S	154.4E	151	5.2b		
ISC	**I**	**06 21 27 52**±1.3	**8.6S**±.18	**159.3E**±.14	**33**	**3.7b**	**7**	**1-83**
EIDC	I	06 21 28 26.4	9.5S	159.4E	361	3.1b		**¶97i0833**
ISC	**I**	**11 04 09 28.1**±.68	**9.5S**±.14	**156.2E**±.11	**33**	**4.0b**	**13**	**4-145**
EIDC	I	11 04 09 25.0	9.3S	156.0E	0	4.1b		**¶97i1460**
NEIC	I	11 04 09 26.3	9.44S	156.46E	33	4.0b		
NEIC	Poor solution.							
ISC	**I**	**11 18 45 20**±1.2	**7.5S**±.13	**159.4E**±.17	**33**	**3.8b**	**9**	**2-95**
EIDC	I	11 18 45 16.0	7.6S	159.5E	0	3.8b		**¶97i1560**
NEIC	I	11 18 45 28.2	7.60S	159.13E	100	3.8b		
NEIC	Poor solution.							
ISC	**I**	**11 20 01 20**±6.9	**10.6S**±.42	**161.5E**±.56	**101**±41	**3.4b**	**7**	**2-84**
EIDC	I	11 20 01 47.4	11.2S	161.5E	360	3.0b,4.0L		**¶97i1569**
ISC	**I**	**16 03 48 27.0**±.53	**7.50S**±.058	**156.3E**±.10	**21**	**4.5b**,3.9s	**47**	**4-161**
EIDC	I	16 03 48 27.3	7.7S	156.5E	19	4.3b,3.9s		**¶97i2255**
NEIC	I	16 03 48 28.1	7.42S	155.94E	21	4.6b		
BJI	I	16 03 48 29.3	7.13S	155.30E	5	4.6b		
NEIC	Less reliable solution.							
ISC	**I**	**16 11 44 23.0**±.92	**12.0S**±.17	**162.9E**±.20	**33**	**4.0b**	**10**	**4-97**
NEIC	I	16 11 44 22.8	11.97S	162.90E	33	3.9b		**¶97i2306**
EIDC	I	16 11 44 57.5	12.0S	162.2E	338	3.3b		
NEIC	Less reliable solution.							
ISC	**I**	**16 17 34 32**±1.4	**9.8S**±.40	**161.0E**±.41	**100**	**3.6b**	**8**	**18-96**
EIDC	I	16 17 34 21.4	9.5S	161.0E	0	3.9b,4.0L		**¶97i2340**
NEIC	I	16 17 34 32.0	9.81S	161.01E	100	3.7b		
NEIC	Poor solution.							
ISC	**I**	**16 17 37 42**±1.8	**7.62S**±.082	**156.34E**±.081	**69**±18	**4.3b**	**41**	**4-161**
EIDC	I	16 17 37 34.2	7.7S	156.4E	0	4.2b,3.9L		**¶97i2341**
NEIC	I	16 17 37 37.7	7.51S	156.22E	33	4.6b		
BJI	I	16 17 37 39.9	7.95S	155.40E	29	4.8b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**16 17 47 40.2**±.64	**7.4S**±.10	**156.2E**±.10	**33**	**3.7b**	**14**	**4-96**
NEIC	I	16 17 47 40.4	7.45S	156.18E	33	3.9b		¶97i2342
EIDC	I	16 17 47 40.5	7.7S	156.4E	32	3.6b		
NEIC	Less reliable solution.							
ISC	**I**	**16 19 46 57**±4.2	**7.6S**±.25	**156.2E**±.22	**92**±49	**3.7b**	**13**	**4-111**
EIDC	I	16 19 46 48.8	7.7S	156.5E	21	3.8b		¶97i2350
NEIC	I	16 19 46 51.8	7.33S	156.00E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**I**	**17 11 16 24**±3.7	**6.9S**±.23	**155.0E**±.21	**172**±41	**3.8b**	**11**	**5-96**
EIDC	I	17 11 16 08.7	7.0S	155.4E	28	3.8b		¶97i2436
NEIC	I	17 11 16 16.6	6.43S	154.66E	100	3.8b		
NEIC	Less reliable solution.							
ISC	**I**	**18 03 14 37**±1.2	**10.9S**±.14	**161.9E**±.16	**33**	**3.7b**	**9**	**2-97**
EIDC	I	18 03 14 32.7	11.0S	162.1E	0	3.8b,4.3L		¶97i2593
NEIC	I	18 03 14 36.4	11.00S	161.91E	33	3.9b		
NEIC	Less reliable solution.							
EIDC	**I**	**19 01 34 35.4**	**10.8S**	**159.7E**	**700**	**2.3b**		**26-85**
								¶97i2760
ISC	**I**	**21 21 38 35**±3.6	**12.9S**±.73	**163.1E**±.65	**33**	**3.5b**	**4**	**28-86**
EIDC	I	21 21 38 31.8	12.8S	163.1E	0	3.7b		¶97i3235
ISC	Poorly determined							
ISC	**I**	**25 16 15 26**±1.5	**5.8S**±.19	**154.1E**±.34	**150**	**3.3b**	**6**	**24-83**
EIDC	I	25 16 15 10.6	5.6S	154.2E	0	3.5b		¶97i3830
NEIC	I	25 16 15 26.4	5.83S	154.07E	150			
NEIC	Poor solution.							
EIDC	**I**	**26 09 58 22.7**	**5.6S**	**154.3E**	**0**	**3.7b**		**8-29**
								¶97i3921
ISC	**I**	**26 11 20 01**±1.6	**8.42S**±.068	**156.43E**±.069	**43**±16	**4.6b,4.3s**	**41**	**4-146**
NEIC	I	26 11 19 59.5	8.39S	156.39E	24	4.9b,4.7s		¶97i3932
BJI	I	26 11 20 01.0	7.85S	156.31E	17	4.7b		
EIDC	I	26 11 20 01.1	8.5S	156.3E	23	4.5b,4.1s		
ISC	**I**	**26 11 28 48**±1.2	**8.2S**±.22	**156.3E**±.12	**33**	**3.8b**	**7**	**4-97**
EIDC	I	26 11 28 44.4	8.1S	156.2E	0	3.9b,3.5L		¶97i3935
ISC	**I**	**26 15 32 50**±3.1	**4.9S**±.12	**154.2E**±.25	**102**±23	**4.0b**	**12**	**2-82**
NEIC	I	26 15 32 51.9	4.85S	154.02E	118	4.5b		¶97i3960
EIDC	I	26 15 32 53.0	5.3S	154.3E	121	3.6b		
NEIC	Less reliable solution.							
ISC	**I**	**29 11 11 16**±2.3	**10.6S**±.23	**160.2E**±.39	**108**	**3.4b**	**5**	**1-85**
EIDC	I	29 11 11 17.6	10.6S	160.4E	108	3.3b		¶97i4339
NEIC	**I**	**30 09 22 32.8**	**6.14S**	**155.71E**	**100**	3.5b		**9-95**
EIDC	I	30 09 22 21.7	6.1S	156.0E	0	3.8b		¶97i4457
NEIC	Poor solution.							
EIDC	**I**	**30 18 48 45.1**	**7.8S**	**156.6E**	**0**	**3.5b**		**4-83**
								¶97i4529
ISC	**II**	**05 23 36 56**±1.2	**4.2S**±.39	**155.0E**±.55	**33**	**3.6b**	**6**	**21-94**
EIDC	II	05 23 36 52.2	4.2S	155.2E	0	3.8b		¶97ii0766
EIDC	**II**	**06 16 38 07.5**	**8.8S**	**160.6E**	**0**	**3.3b**		**1-83**
								¶97ii0871
ISC	**II**	**07 18 17 25.6**±.82	**5.40S**±.097	**154.3E**±.15	**33**	**3.9b**	**12**	**20-82**
EIDC	II	07 18 17 21.1	5.5S	154.6E	0	3.9b		¶97ii1020
NEIC	II	07 18 17 25.3	5.42S	154.42E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**II**	**08 01 55 55**±1.1	**8.54S**±.032	**158.99E**±.032	**97**±10	**5.7b**	**408**	**1-164**
NEIC	II	08 01 55 55.7	8.47S	158.96E	101	5.8b		¶97ii1071
MOS	II	08 01 55 56.0	8.5S	159.0E	99	5.9b		
EIDC	II	08 01 55 56.2	8.5S	159.0E	95	5.3b,4.6s		
BJI	II	08 01 55 56.3	8.37S	159.02E	105	5.8b		
HRVD	II	08 01 55 58.4±.1	8.29S±.02	159.00E±.02	83±1.4			
NEIC	Mw5.7(GS), Me5.6(GS).							
NEIC	Mw 5.7 (HRV).							
NEIC	Radiated energy from the P−wave first−motion solution: 6.1±1.8×10^{12}Nm/7							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ35°,λ100°. NP2:ϕ_S288°,δ56°,λ83°. Principal axes: T Plg78°,Azm173°; P Plg10°,Azm23°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}2.62; $M_{\theta\theta}$−2.47; $M_{\phi\phi}$−0.15; $M_{r\theta}$−1.99; $M_{r\phi}$−0.19; $M_{\theta\phi}$1.39. Depth 92km; Principal axes: T 3.43,Plg66°,Azm152°; N 0.18,Plg17°, Azm286°; P −3.61,Plg16°,Azm21°. Best double couple: $M_0$3.5×10^{17}Nm; NP1:ϕ_S134°,δ32°, λ123°. NP2:ϕ_S277°,δ63°,λ71°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c87; Half duration: 1^{s}8. Moment tensor: Scale 10^{17}Nm; M_{rr}2.71±.05; $M_{\theta\theta}$−2.47±.11; $M_{\phi\phi}$−0.24±.11; $M_{r\theta}$−2.76±.05; $M_{r\phi}$−0.81±.05; $M_{\theta\phi}$1.22±.07. Principal Axes: T 4.25,Plg61°,Azm147°; N −0.40,Plg20°,Azm276°; P −3.86,Plg21°,Azm14°. Best double couple: $M_0$4.1×10^{17}Nm, NP1: ϕ_S135°,δ30°,λ132°. NP2:ϕ_S268°,δ68°,λ69°.							
ISC	**II**	**08 02 35 22**±3.5	**6.3S**±.12	**154.8E**±.14	**94**±31	**3.9b**	**14**	**8-96**
EIDC	II	08 02 35 21.3	6.4S	155.0E	82	3.8b		¶97ii1081
NEIC	II	08 02 35 22.2	6.36S	154.85E	100	3.9b		
NEIC	Less reliable solution.							
ISC	**II**	**08 23 34 54**±5.3	**12.1S**±.15	**162.3E**±.61	**32**	**3.7b**	**7**	**3-29**
EIDC	II	08 23 34 55.1	12.0S	162.3E	32	3.8b,3.8L		¶97ii1222
ISC	**II**	**09 09 20 05**±6.1	**6.2S**±.25	**155.0E**±.36	**49**±49	**3.8b**	**8**	**8-96**
NEIC	II	09 09 20 02.9	6.19S	155.04E	33	3.9b		¶97ii1288
EIDC	II	09 09 20 05.5	6.5S	155.3E	57	3.7b		
NEIC	Poor solution.							
ISC	**II**	**09 10 54 54**±1.3	**9.2S**±.35	**162.9E**±.42	**33**	**3.8b**	**8**	**19-95**
EIDC	II	09 10 54 51.1	8.9S	162.8E	0	3.9b,3.9L		¶97ii1299
NEIC	II	09 10 54 53.9	9.20S	162.91E	33	4.0b		
NEIC	Poor solution.							
ISC	**II**	**09 12 50 24**±1.4	**10.77S**±.052	**162.15E**±.074	**86**±13	**4.5b**	**64**	**3-152**
NEIC	II	09 12 50 22.4	10.77S	162.22E	75	4.9b		¶97ii1310
BJI	II	09 12 50 22.7	10.85S	162.34E	84	4.8b		
EIDC	II	09 12 50 23.6	10.7S	162.3E	78	4.2b		
MOS	II	09 12 50 25.1	10.8S	162.1E	94	5.0b		
EIDC	**II**	**13 08 00 24.4**	**7.7S**	**154.2E**	**0**	**4.0b**		**19-97**
								¶97ii1887
ISC	**II**	**14 20 39 39**±1.4	**10.78S**±.086	**162.06E**±.085	**76**±14	**4.1b**	**22**	**2-144**
NEIC	II	14 20 39 36.4	10.72S	162.07E	50	4.6b		¶97ii2108
EIDC	II	14 20 39 39.6	10.7S	162.1E	71	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**14 22 24 28**±2.0	**6.8S**±.32	**154.1E**±.34	**33**	**3.8b**	**5**	**7-84**
EIDC	II	14 22 24 23.6	6.9S	154.4E	0	3.9b,3.9L		¶97ii2124
NEIC	II	14 22 24 27.8	6.81S	154.09E	33			
NEIC	Poor solution.							
EIDC	**II**	**15 15 32 37.4**	**5.9S**	**154.3E**	**105**	**3.7b**		**26-120**
								¶97ii2257
ISC	**II**	**16 17 22 08**±2.3	**9.3S**±.63	**162.5E**±.74	**33**	**3.6b**	**4**	**19-83**
EIDC	II	16 17 22 05.8	8.9S	162.2E	0	3.7b,4.1L		¶97ii2398
ISC	Poorly determined							
ISC	**II**	**17 11 14 08**±1.8	**7.03S**±.087	**155.77E**±.072	**84**±18	**4.4b**	**39**	**5-161**
NEIC	II	17 11 14 02.2	7.04S	155.96E	33	4.7b		¶97ii2482
MOS	II	17 11 14 03.7	6.8S	155.8E	33	4.4b		
EIDC	II	17 11 14 06.6	6.9S	155.9E	52	4.1b		
BJI	II	17 11 14 07.7	6.38S	155.59E	44			
NEIC	Less reliable solution.							
ISC	**II**	**17 21 22 07**±1.4	**5.8S**±.22	**154.5E**±.39	**400**	**3.7b**	**8**	**16-82**
NEIC	II	17 21 22 07.4	5.74S	154.51E	400	3.7b		¶97ii2549
EIDC	II	17 21 22 16.7	6.0S	154.5E	509	3.3b		
NEIC	Poor solution.							
ISC	**II**	**18 15 55 25**±1.1	**6.5S**±.13	**155.2E**±.24	**33**	**3.9b**	**13**	**24-96**
EIDC	II	18 15 55 21.4	6.6S	155.2E	0	4.0b		¶97ii2666
NEIC	II	18 15 55 25.1	6.53S	155.13E	33	3.7b		
NEIC	Poor solution.							
ISC	**II**	**18 23 24 29.3**±.58	**6.89S**±.073	**154.9E**±.11	**33**	**4.4b**,4.7s	**35**	**8-148**
EIDC	II	18 23 24 23.2	7.2S	155.3E	0	4.3b,4.2L		¶97ii2703
BJI	II	18 23 24 29.4	6.59S	154.16E	5	4.9b,5.1s		
NEIC	II	18 23 24 29.4	6.81S	154.79E	33	4.1b		
NEIC	Less reliable solution.							
EIDC	**II**	**20 21 06 08.8**	**5.4S**	**154.3E**	**0**	**3.4b**		**24-82**
								¶97ii2975
ISC	**II**	**22 15 08 55.4**±.37	**6.66S**±.057	**155.08E**±.085	**33**	**4.4b**	**36**	**6-148**
BJI	II	22 15 08 53.9	6.72S	155.35E	34	4.7b		¶97ii3220
NEIC	II	22 15 08 55.4	6.65S	155.07E	33	4.4b		
EIDC	II	22 15 08 57.6	6.8S	155.2E	43	4.1b,3.7L		
ISC	**II**	**26 17 24 44**±3.0	**8.6S**±.50	**160.5E**±.55	**67**±26	**3.5b**	**6**	**1-83**
EIDC	II	26 17 24 36.3	8.8S	160.9E	0	3.8b		¶97ii3829
ISC	**II**	**26 17 42 23**±1.9	**5.85S**±.083	**154.59E**±.074	**112**±19	**4.3b**	**30**	**6-98**
NEIC	II	26 17 42 21.4	5.78S	154.58E	92	4.5b		¶97ii3833
BJI	II	26 17 42 21.9	5.57S	154.56E	100	4.5b		
EIDC	II	26 17 42 22.3	5.9S	154.9E	100	4.0b		
NEIC	Less reliable solution.							
ISC	**II**	**27 11 37 53.9**±.87	**8.0S**±.13	**159.0E**±.15	**33**	**3.7b**	**7**	**2-96**
EIDC	II	27 11 37 50.9	7.6S	158.7E	0	4.0b		¶97ii3951
NEIC	II	27 11 37 53.8	7.99S	158.98E	33	4.1b		
NEIC	Poor solution.							
ISC	**II**	**27 15 02 00**±1.9	**6.1S**±.51	**154.5E**±.46	**33**	**3.4b**	**5**	**8-83**
EIDC	II	27 15 01 55.5	6.3S	154.7E	0	3.5b,4.1L		¶97ii3976
ISC	**II**	**28 14 18 06**±1.7	**6.95S**±.065	**155.74E**±.064	**72**±17	**4.7b**	**62**	**5-161**
MOS	II	28 14 18 03.0	6.9S	155.8E	43	5.3b		¶97ii4267
NEIC	II	28 14 18 03.3	6.92S	155.82E	50	4.9b,4.8s		
EIDC	II	28 14 18 04.4	7.0S	156.0E	42	4.4b,5.2L		
BJI	II	28 14 18 10.6	6.06S	155.07E	50	5.0b		
ISC	**II**	**28 15 29 00**±2.1	**6.2S**±.15	**154.77E**±.089	**119**±20	**4.2b**	**14**	**6-83**
EIDC	II	28 15 28 54.0	6.2S	155.3E	70	3.9b,5.0L		¶97ii4279
NEIC	II	28 15 28 57.3	6.15S	154.87E	100	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**01 11 31 49**±1.9	**11.0S**±.11	**162.1E**±.14	**67**±18	**3.8b**	**14**	**3-144**
EIDC	III	01 11 32 09.7	11.3S	162.0E	247	3.4b		¶97iii0098
EIDC	**III**	**01 12 37 36.1**	**8.0S**	**154.7E**	**0**	**3.5b**		**23-84**
								¶97iii0108
ISC	**III**	**02 15 51 58**±1.9	**7.3S**±.44	**154.1E**±.46	**33**	**3.8b**	**6**	**22-84**
EIDC	III	02 15 51 54.3	7.3S	154.2E	0	3.7b		¶97iii0344
EIDC	**III**	**03 03 17 45.3**	**5.1S**	**154.3E**	**19**	**3.7b**		**24-82**
								¶97iii0463
ISC	**III**	**03 22 33 46**±1.3	**6.47S**±.037	**156.38E**±.045	**70**±12	**5.4b**	**221**	**5-147**
BJI	III	03 22 33 43.2	6.32S	156.69E	47	5.4b,4.8s		¶97iii0701
NEIC	III	03 22 33 43.8	6.48S	156.41E	48	5.6b,5.1s		
EIDC	III	03 22 33 45.5	6.5S	156.6E	51	5.0b,4.5s		
MOS	III	03 22 33 45.7	6.5S	156.5E	67	5.8b		
ISC	**III**	**03 23 07 49**±1.2	**10.35S**±.052	**161.34E**±.061	**76**±11	**4.8b**	**63**	**2-148**
EIDC	III	03 23 07 51.5	10.3S	161.3E	88	4.4b,4.3s		¶97iii0709
BJI	III	03 23 07 52.1	9.78S	161.41E	86	4.9b		
NEIC	III	03 23 07 52.2	10.25S	161.14E	101	4.9b		
MOS	III	03 23 07 54.1	10.1S	161.0E	107	5.0b		
EIDC	**III**	**04 14 17 47.5**	**7.9S**	**158.2E**	**0**	**3.9b**,4.0L		**2-96**
								¶97iii0857
ISC	**III**	**06 19 59 43.7**±.80	**6.25S**±.033	**155.32E**±.048	**188**±7.8	**5.2b**	**185**	**4-160**
BJI	III	06 19 59 42.3	5.90S	155.47E	169	5.5b		¶97iii1342
NEIC	III	06 19 59 42.3	6.21S	155.30E	174	5.1b		
MOS	III	06 19 59 43.9	6.2S	155.3E	185	5.5b		
EIDC	III	06 19 59 44.5	6.2S	155.4E	179	4.8b,4.0s		
ISC	**III**	**07 21 03 55**±1.5	**6.5S**±.20	**154.7E**±.32	**33**	**3.7b**	**6**	**24-83**
EIDC	III	07 21 03 51.4	6.3S	154.6E	0	3.7b		¶97iii1605
NEIC	III	07 21 03 54.9	6.45S	154.74E	33	4.1b		
NEIC	Poor solution.							
ISC	**III**	**13 02 46 32**±5.3	**5.3S**±.21	**154.2E**±.41	**141**±41	**3.6b**	**9**	**8-82**
EIDC	III	13 02 46 16.4	5.2S	154.4E	0	3.9b		¶97iii2629
NEIC	III	13 02 46 42.4	5.52S	154.22E	250	3.7b		
NEIC	Poor solution.							
ISC	**III**	**18 04 56 03**±1.5	**6.5S**±.33	**155.2E**±.37	**33**	**3.5b**	**6**	**24-96**
EIDC	III	18 04 55 58.9	6.7S	155.3E	0	3.7b		¶97iii3487
NEIC	III	18 04 56 02.6	6.53S	155.16E	33	3.5b		
NEIC	Poor solution.							
ISC	**III**	**19 22 20 34**±2.8	**7.1S**±.52	**156.8E**±.68	**33**	**3.6b**	**5**	**25-83**
EIDC	III	19 22 20 31.3	7.5S	157.3E	17	3.6b		¶97iii3776
ISC	**III**	**21 22 36 14**±1.2	**7.63S**±.035	**157.77E**±.036	**39**±11	**5.2b,5.4s**	**266**	**3-163**
MOS	III	21 22 36 12.4	7.6S	158.0E	35	5.7b,5.3s		¶97iii4146
NEIC	III	21 22 36 12.9	7.62S	157.79E	35	5.3b,5.5s		
BJI	III	21 22 36 13.5	7.51S	157.85E	38	5.1b,5.4s		
EIDC	III	21 22 36 13.9	7.6S	157.9E	32	4.6b,5.3s		
HRVD	III	21 22 36 16.3±.2	7.57S±.02	158.09E±.02	22±1.9			
NEIC	Mw5.8(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c59; Half duration: 1^{s}9. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.06; $M_{\theta\theta}$−0.89±.10; $M_{\phi\phi}$0.02±.11; $M_{r\theta}$0.14±.17; $M_{r\phi}$−0.98±.19; $M_{\theta\phi}$4.89±.07. Principal Axes: T 4.58,Plg10°,Azm132°; N 0.85, Plg78°,Azm348°; P −5.44,Plg7°,Azm223°. Best double couple: $M_0$5.0×10^{17}Nm, NP1: ϕ_S267°,δ78°,λ2°. NP2:ϕ_S177°,δ88°,λ168°.							
ISC	**III**	**22 00 09 02**±4.9	**7.4S**±.11	**157.83E**±.096	**26**±36	**4.1b**	**22**	**3-146**
NEIC	III	22 00 09 02.5	7.41S	157.84E	33	4.4b		¶97iii4163
EIDC	III	22 00 09 04.6	7.4S	157.9E	39	4.0b,4.0L		
NEIC	Less reliable solution.							
ISC	**III**	**22 12 56 42**±2.6	**7.5S**±.11	**157.8E**±.15	**59**±28	**3.9b**,3.4s	**17**	**3-121**
EIDC	III	22 12 56 36.5	7.4S	157.8E	0	4.0b,3.9L		¶97iii4266
NEIC	III	22 12 56 39.6	7.46S	157.81E	33	4.3b		
NEIC	Less reliable solution.							
EIDC	**III**	**25 06 45 25.4**	**5.6S**	**154.1E**	**0**	**3.6b**		**2-30**
								¶97iii4688
EIDC	**III**	**25 07 19 03.7**	**8.5S**	**156.0E**	**0**	**3.8b**		**24-27**
								¶97iii4691
EIDC	**III**	**25 07 22 51.3**	**8.7S**	**158.6E**	**0**	**3.7b**		**26-28**
								¶97iii4692

ISC	**III**	**25 09 48 53**±1.6	**7.9S**±.20	**157.8E**±.14	**33**	**4.0b**	**7**	**3-33**
EIDC	III	25 09 48 46.8	7.4S	157.9E	0	3.9b,4.1L		**¶97iii4705**
NEIC	III	25 09 48 55.7	8.36S	157.75E	33	4.2b		
NEIC	Poor solution.							
ISC	**III**	**25 15 57 38**±3.6	**8.5S**±.57	**157.7E**±.12	**33**	**3.6b**	**7**	**2-28**
EIDC	III	25 15 57 30.3	7.7S	157.8E	0	3.8b,3.9L		**¶97iii4753**
ISC	**III**	**27 19 33 56**±1.2	**6.86S**±.062	**155.29E**±.071	**87**±12	**4.3b**	**43**	**4-148**
BJI	III	27 19 33 54.4	6.72S	155.35E	77	4.7b		**¶97iii5291**
NEIC	III	27 19 33 54.8	6.81S	155.27E	76	4.4b		
EIDC	III	27 19 33 57.0	6.9S	155.4E	82	4.0b,3.7s		
ISC	**III**	**27 21 15 11**±1.9	**6.65S**±.071	**155.0E**±.11	**70**±17	**4.1b**	**30**	**4-148**
EIDC	III	27 21 15 08.7	6.7S	155.3E	34	4.1b,5.0L		**¶97iii5311**
BJI	III	27 21 15 24.8	6.75S	155.01E	201	4.6b		
NEIC	III	27 21 15 27.0	6.66S	154.57E	200	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**31 11 12 47**±1.6	**7.2S**±.22	**154.3E**±.34	**33**	**3.6b**	**6**	**23-97**
EIDC	III	31 11 12 42.8	7.2S	154.5E	0	3.7b		**¶97iii5878**
NEIC	III	31 11 12 46.7	7.19S	154.33E	33	3.6b		
NEIC	Poor solution.							
ISC	**IV**	**01 22 29 38.2**±.74	**9.2S**±.14	**158.6E**±.10	**33**	**3.8b**	**11**	**1-127**
EIDC	IV	01 22 29 35.1	9.2S	158.7E	0	3.9b,3.3L		**¶97iv0152**
NEIC	IV	01 22 29 38.2	9.18S	158.64E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**02 10 06 29.0**±.73	**10.4S**±.17	**163.5E**±.14	**33**	**4.1b**,3.2s	**15**	**4-95**
NEIC	IV	02 10 06 28.8	10.45S	163.51E	33	4.0b		**¶97iv0229**
EIDC	IV	02 10 06 45.9	9.9S	162.8E	165	3.8b,3.3s		
NEIC	Less reliable solution.							
ISC	**IV**	**03 00 06 25**±1.7	**4.1S**±.40	**158.5E**±.59	**33**	**3.7b**	**6**	**6-79**
EIDC	IV	03 00 06 21.9	4.1S	158.6E	0	3.9b,4.0L		**¶97iv0353**
ISC	**IV**	**03 06 25 00**±1.0	**4.28S**±.068	**154.3E**±.11	**443**±12	**3.9b**	**32**	**2-150**
BJI	IV	03 06 24 58.0	4.28S	154.51E	435	4.4b		**¶97iv0387**
NEIC	IV	03 06 24 59.8	4.27S	154.25E	448	4.4b		
EIDC	IV	03 06 25 01.0	4.3S	154.4E	450	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**03 17 48 57**±4.9	**6.7S**±.13	**154.66E**±.099	**22**±36	**3.9b**	**16**	**6-148**
EIDC	IV	03 17 48 55.0	6.7S	154.7E	0	4.0b,3.6L		**¶97iv0463**
NEIC	IV	03 17 48 58.2	6.75S	154.65E	33	3.9b		
BJI	IV	03 17 48 58.9	6.66S	154.47E	28	4.8b		
EIDC	**IV**	**06 03 00 50.1**	**8.1S**	**155.6E**	**0**	**3.6b**		**5-84**
								¶97iv0915
ISC	**IV**	**08 09 36 35**±1.9	**8.17S**±.099	**158.3E**±.10	**96**±19	**4.3b**	**40**	**2-163**
MOS	IV	08 09 36 35.0	8.1S	158.4E	103	4.6b		**¶97iv1306**
NEIC	IV	08 09 36 35.6	8.17S	158.32E	105	4.6b		
EIDC	IV	08 09 36 35.7	8.2S	158.3E	91	4.0b,3.6s		
BJI	IV	08 09 36 37.4	8.36S	158.40E	127	4.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**08 18 26 50.8**±.34	**9.56S**±.058	**158.49E**±.068	**33**	**4.6b**	**52**	**1-146**
MOS	IV	08 18 26 50.8	9.6S	158.5E	33	5.2b		**¶97iv1387**
BJI	IV	08 18 26 50.8	9.52S	158.44E	34	5.0b		
NEIC	IV	08 18 26 50.8	9.55S	158.49E	33	4.8b		
EIDC	IV	08 18 26 50.8	9.6S	158.6E	25	4.3b,4.2L		
ISC	**IV**	**09 17 53 16**±9.5	**11.5S**±.16	**161.3E**±.32	**23**±63	**4.0b**,2.8s	**13**	**2-85**
EIDC	IV	09 17 53 12.1	11.6S	161.5E	0	4.0b,3.0s		**¶97iv1562**
NEIC	IV	09 17 53 17.8	11.38S	161.10E	33	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**14 02 35 08**±1.3	**8.48S**±.053	**158.95E**±.049	**89**±13	**5.0b**	**142**	**1-148**
MOS	IV	14 02 35 08.4	8.5S	159.0E	95	5.1b		**¶97iv2372**
NEIC	IV	14 02 35 10.1	8.51S	158.94E	109	5.0b		
BJI	IV	14 02 35 10.6	8.41S	159.13E	117	5.3b		
EIDC	IV	14 02 35 11.1	8.6S	159.1E	111	4.5b		
ISC	**IV**	**15 06 49 02.2**±.94	**9.5S**±.24	**157.2E**±.15	**33**	**3.4b**	**6**	**3-98**
EIDC	IV	15 06 48 58.7	9.8S	157.2E	0	3.5b,3.1L		**¶97iv2573**
ISC	**IV**	**15 15 41 48**±2.0	**10.71S**±.099	**161.9E**±.13	**55**±18	**3.8b**,2.9s	**13**	**2-96**
NEIC	IV	15 15 41 45.5	10.78S	161.88E	33	4.0b		**¶97iv2620**
EIDC	IV	15 15 41 46.5	10.7S	161.7E	27	3.8b,3.1s		
NEIC	Less reliable solution.							
ISC	**IV**	**18 15 35 40**±1.4	**10.11S**±.082	**161.1E**±.11	**108**±12	**4.1b**	**20**	**1-96**
EIDC	IV	18 15 35 40.2	10.2S	161.3E	100	3.7b,3.1s		**¶97iv3098**
NEIC	IV	18 15 35 40.6	10.16S	161.19E	112	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**18 22 46 28**±4.5	**6.9S**±.11	**155.4E**±.11	**94**±41	**4.2b**	**37**	**16-161**
EIDC	IV	18 22 46 17.1	6.9S	155.6E	0	4.4b		**¶97iv3130**
NEIC	IV	18 22 46 30.4	6.89S	155.33E	116	4.3b		
NEIC	Less reliable solution.							
EIDC	**IV**	**21 18 16 30.3**	**9.5S**	**162.7E**	**0**	**3.8b**		**21-95**
								¶97iv3551
ISC	**IV**	**22 03 39 12.4**±.71	**7.2S**±.12	**154.9E**±.17	**33**	**4.2b**	**13**	**20-99**
EIDC	IV	22 03 39 08.2	7.4S	155.2E	0	4.4b		**¶97iv3633**
NEIC	IV	22 03 39 12.1	7.30S	155.01E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**22 13 58 13**±1.0	**7.1S**±.17	**154.8E**±.12	**33**	**3.8b**	**9**	**6-97**
EIDC	IV	22 13 58 08.8	7.1S	154.9E	0	3.9b		**¶97iv3758**
NEIC	IV	22 13 58 12.3	7.15S	154.91E	33	3.8b		
NEIC	Poor solution.							
EIDC	**IV**	**23 04 47 14.0**	**10.4S**	**164.0E**	**0**	3.9b,4.7L		**4-145**
								¶97iv3897
EIDC	**IV**	**23 07 50 37.4**	**6.4S**	**155.3E**	**0**	**4.1b**		**24-31**
								¶97iv3917
ISC	**IV**	**24 07 56 10**±1.4	**10.2S**±.17	**161.3E**±.20	**33**	**3.6b**	**6**	**2-84**
EIDC	IV	24 07 56 07.3	10.2S	161.3E	0	3.8b,3.0L		**¶97iv4104**
NEIC	IV	24 07 56 10.3	10.27S	161.35E	33			
NEIC	Poor solution.							
ISC	**IV**	**24 14 13 26**±3.9	**9.5S**±.29	**163.1E**±.63	**33**	**4.2b**	**10**	**3-72**
EIDC	IV	24 14 13 17.7	9.3S	163.6E	0	4.1b,4.2L		**¶97iv4159**
EIDC	**IV**	**24 23 25 23.1**	**7.0S**	**154.7E**	**0**	**3.7b**		**24-83**
								¶97iv4232
EIDC	**IV**	**25 23 23 30.3**	**10.6S**	**163.1E**	**0**	**3.9b**		**31-145**
								¶97iv4430
ISC	**IV**	**27 02 17 30**±1.2	**7.2S**±.20	**155.0E**±.28	**33**	**3.8b**	**7**	**24-97**
EIDC	IV	27 02 17 26.2	7.2S	155.0E	0	3.9b		**¶97iv4643**
NEIC	IV	27 02 17 29.5	7.20S	154.98E	33	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**27 13 55 09**±3.5	**9.9S**±.21	**161.0E**±.31	**101**±22	**3.7b**	**10**	**1-96**
NEIC	IV	27 13 55 08.6	9.91S	161.01E	100			**¶97iv4735**
EIDC	IV	27 13 55 09.8	9.8S	161.0E	93	3.7b		
NEIC	Single network solution.							
ISC	**IV**	**28 13 31 43**±1.2	**7.2S**±.16	**155.0E**±.25	**53**±3.1*	**3.7b**	**9**	**24-97**
NEIC	IV	28 13 31 42.4	7.19S	154.96E	49	3.6b		**¶97iv4926**
EIDC	IV	28 13 31 44.8	7.3S	154.9E	55	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**28 15 24 43**±1.2	**7.4S**±.19	**155.1E**±.27	**33**	**3.7b**	**7**	**24-97**
EIDC	IV	28 15 24 39.0	7.4S	155.2E	0	3.8b		**¶97iv4950**
EIDC	**IV**	**29 05 51 02.8**	**7.6S**	**154.9E**	**0**	**3.7b**		**23-84**
								¶97iv5026
ISC	**IV**	**29 19 08 12**±1.9	**5.5S**±.52	**154.2E**±.76	**700**	**2.9b**	**5**	**2-82**
EIDC	IV	29 19 08 13.2	5.6S	154.4E	700	2.2b		**¶97iv5111**
ISC	Poorly determined							
ISC	**V**	**03 07 26 44.7**±.91	**6.6S**±.18	**155.0E**±.22	**33**	**3.6b**	**9**	**24-96**
EIDC	V	03 07 26 40.9	6.5S	155.1E	0	3.8b		**¶97v0395**
NEIC	V	03 07 26 44.6	6.59S	155.00E	33			
NEIC	Less reliable solution.							
ISC	**V**	**03 14 42 15**±1.3	**9.1S**±.41	**159.4E**±.29	**181**	**3.2b**	**4**	**1-84**
EIDC	V	03 14 42 15.7	9.2S	159.5E	181	3.0b		**¶97v0449**
ISC	Poorly determined							
ISC	**V**	**04 09 30 48**±1.9	**9.6S**±.14	**160.3E**±.20	**52**±14	**3.8b**	**13**	**0-97**
EIDC	V	04 09 30 42.2	9.6S	160.5E	0	4.0b		**¶97v0611**
NEIC	V	04 09 30 45.3	9.64S	160.48E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**05 04 25 52.7**±.46	**9.18S**±.062	**158.13E**±.089	**33**	**4.4b,4.2s**	**38**	**2-146**
EIDC	V	05 04 25 49.0	9.2S	158.2E	0	4.3b,3.3s		**¶97v0735**
NEIC	V	05 04 25 52.4	9.20S	158.14E	33	4.5b		
BJI	V	05 04 25 52.7	8.82S	157.78E	14	4.8b,5.4s		
MOS	V	05 04 25 53.2	9.5S	158.2E	33	5.1b		
NEIC	Less reliable solution.							
ISC	**V**	**10 01 50 16**±2.2	**6.3S**±.35	**155.6E**±.45	**33**	**3.7b**	**5**	**25-83**
EIDC	V	10 01 50 12.3	6.4S	155.7E	0	3.7b		**¶97v1511**
ISC	**V**	**10 15 44 19**±1.4	**6.1S**±.22	**155.7E**±.13	**33**	**3.7b**	**6**	**5-95**
NEIC	V	10 15 44 18.7	6.08S	155.73E	33	3.9b		**¶97v1625**
EIDC	V	10 15 44 22.5	7.1S	155.5E	0	3.6b,3.0L		
NEIC	Poor solution.							
EIDC	**V**	**10 22 35 24.5**	**5.4S**	**156.3E**	**0**	**3.9b**		**22-61**
								¶97v1676
ISC	**V**	**15 11 42 48**±1.2	**10.5S**±.20	**162.2E**±.16	**33**	**4.0b,**3.0s	**9**	**2-96**
EIDC	V	15 11 42 44.2	10.6S	162.4E	0	4.0b,3.2s		**¶97v2606**
NEIC	V	15 11 42 47.9	10.51S	162.19E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**17 14 50 21**±2.7	**5.49S**±.093	**154.2E**±.13	**179**±25	**3.8b**	**22**	**8-95**
BJI	V	17 14 50 21.3	5.57S	154.52E	202			**¶97v2944**
NEIC	V	17 14 50 22.0	5.46S	154.08E	185	4.3b		
EIDC	V	17 14 50 22.0	5.5S	154.2E	172	3.6b		
NEIC	Less reliable solution.							
ISC	**V**	**17 19 03 03**±7.3	**11.4S**±.13	**161.1E**±.27	**32**±49	**4.1b**	**17**	**2-85**
EIDC	V	17 19 03 00.5	11.5S	161.0E	0	3.9b,4.0L		**¶97v2973**
NEIC	V	17 19 03 03.4	11.34S	161.03E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**18 09 45 19**±1.2	**7.5S**±.12	**155.1E**±.19	**33**	**3.4b**	**7**	**4-97**
EIDC	V	18 09 45 15.1	7.6S	155.2E	0	3.7b		**¶97v3059**
NEIC	V	18 09 45 19.1	7.51S	155.06E	33	3.4b		
NEIC	Less reliable solution.							
ISC	**V**	**23 10 44 05.8**±.30	**11.09S**±.057	**163.03E**±.064	**41**±3.2*	**4.7b,4.8s**	**96**	**3-149**
BJI	V	23 10 44 03.2	10.38S	163.39E	15	5.0b,5.1s		**¶97v3938**
NEIC	V	23 10 44 04.9	11.05S	163.02E	33	4.8b,4.9s		
MOS	V	23 10 44 05.1	11.0S	163.1E	33	5.1b,4.8s		
HRVD	V	23 10 44 06.7±.4	10.91S±.04	163.10E±.04	15			
EIDC	V	23 10 44 11.3	11.0S	162.9E	73	4.2b,4.2s		
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c61; Half duration: 1$\hat{s}$2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.79±.03; $M_{\theta\theta}$−0.90±.04; $M_{\phi\phi}$0.12±.05; $M_{r\theta}$1.03±.14; $M_{r\phi}$0.08±.09; $M_{\theta\phi}$0.15±.03. Principal Axes: T 1.29,Plg64°,Azm345°; N 0.11, Plg7°,Azm91°; P −1.40,Plg25°,Azm184°. Best double couple: $M_0$1.4×10^{17}Nm, NP1:ϕ_S291°, δ21°,λ111°. NP2:ϕ_S88°,δ71°,λ82°.							
ISC	**V**	**23 11 03 26**±3.4	**10.8S**±.16	**162.9E**±.22	**103**±28	**4.0b**	**18**	**3-144**
EIDC	V	23 11 03 24.4	10.9S	163.1E	83	3.6b		**¶97v3943**
NEIC	V	23 11 03 27.5	10.74S	162.77E	115	4.2b		
NEIC	Poor solution.							
ISC	**V**	**23 19 16 11**±1.1	**9.6S**±.28	**159.6E**±.20	**33**	**3.5b**	**8**	**0-28**
EIDC	V	23 19 16 30.6	10.5S	157.1E	0	3.5b		**¶97v3993**
ISC	**V**	**23 22 24 49**±1.3	**11.5S**±.17	**162.9E**±.18	**33**	**3.7b**	**7**	**4-144**
EIDC	V	23 22 24 45.0	11.5S	163.0E	0	3.8b,3.6L		**¶97v4010**
ISC	**V**	**25 02 39 58**±2.5	**7.35S**±.099	**156.2E**±.11	**39**±25	**4.3b**	**30**	**4-161**
BJI	V	25 02 39 56.9	7.30S	156.20E	33	5.0b		**¶97v4208**
NEIC	V	25 02 39 56.9	7.29S	156.17E	33	4.4b		
EIDC	V	25 02 40 00.9	7.4S	156.2E	59	4.0b,3.8L		
ISC	**V**	**27 19 25 06**±1.0	**9.8S**±.40	**160.3E**±.37	**200**	**3.8b**	**7**	**17-97**
EIDC	V	27 19 25 12.5	9.6S	160.0E	246	3.6b,4.2L		**¶97v4603**
ISC	**V**	**29 14 08 21**±1.5	**6.70S**±.073	**155.09E**±.064	**50**±15	**4.4b,**3.1s	**46**	**6-148**
MOS	V	29 14 08 19.8	6.6S	155.0E	35	5.2b		**¶97v4878**
NEIC	V	29 14 08 21.2	6.68S	155.07E	51	4.9b		
EIDC	V	29 14 08 22.0	6.7S	155.1E	48	4.1b,3.8L		
BJI	V	29 14 08 23.9	5.73S	154.97E	30	4.6b		
ISC	**V**	**31 08 31 57**±2.0	**6.8S**±.31	**156.6E**±.42	**33**	**4.0b**	**7**	**21-83**
EIDC	V	31 08 31 53.0	6.9S	156.7E	0	3.9b		**¶97v5170**
EIDC	**VI**	**03 15 08 19.1**	**6.6S**	**154.3E**	**0**	**3.5b**		**3-83**
								¶97vi0474
ISC	**VI**	**06 12 01 10**±1.3	**7.45S**±.067	**156.04E**±.068	**83**±13	**4.6b**	**104**	**4-161**
NEIC	VI	06 12 01 04.2	7.37S	156.02E	27	4.9b,4.6s		**¶97vi0934**
BJI	VI	06 12 01 04.7	7.39S	155.99E	31	5.1b,4.7s		
EIDC	VI	06 12 01 05.8	7.5S	156.2E	30	4.4b,4.3s		
MOS	VI	06 12 01 06.3	7.4S	155.8E	33	5.2b,4.4s		
HRVD	VI	06 12 01 07.4±.5	7.74S±.07	156.25E±.06	44±5.2			
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c41; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.28±.25; $M_{\theta\theta}$−3.72±.46; $M_{\phi\phi}$−1.56±.55; $M_{r\theta}$0.14±.79; $M_{r\phi}$−3.11±.79; $M_{\theta\phi}$1.96±.32. Principal Axes: T 6.52,Plg68°,Azm99°; N −1.32, Plg19°,Azm310°; P −5.20,Plg11°,Azm217°. Best double couple: $M_0$5.9×10^{16}Nm, NP1: ϕ_S284°,δ38°,λ58°. NP2:ϕ_S143°,δ58°,λ113°.							
ISC	**VI**	**07 06 45 46.1**±.83	**7.1S**±.14	**155.5E**±.17	**33**	**4.1b**	**22**	**9-148**
EIDC	VI	07 06 45 42.8	7.0S	155.5E	0	4.2b,4.3L		**¶97vi1055**
NEIC	VI	07 06 45 46.4	7.01S	155.37E	33			
NEIC	Less reliable solution.							
ISC	**VI**	**07 09 32 52**±1.9	**7.4S**±.16	**155.4E**±.11	**125**±21	**3.8b**	**13**	**5-147**
NEIC	VI	07 09 32 49.8	7.32S	155.40E	100			**¶97vi1075**
EIDC	VI	07 09 32 53.0	7.5S	155.5E	118	3.7b		
NEIC	Single network solution.							
EIDC	**VI**	**08 16 30 20.0**	**5.4S**	**154.6E**	**0**	**3.6b**		**24-82**
								¶97vi1261
ISC	**VI**	**10 18 04 16**±4.0	**6.4S**±.36	**155.6E**±.49	**33**	**3.3b**	**4**	**9-61**
EIDC	VI	10 18 04 11.9	6.4S	155.8E	0	3.4b,3.9L		**¶97vi1557**
ISC	Poorly determined							
ISC	**VI**	**15 13 40 40**±1.0	**6.35S**±.037	**154.87E**±.045	**89**±9.3	**4.9b**	**157**	**3-160**
NEIC	VI	15 13 40 36.1	6.29S	154.88E	55	5.0b		**¶97vi2307**
BJI	VI	15 13 40 36.5	6.17S	154.97E	63	4.8b		

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
MOS	VI 15 13 40 36.8	6.3S	154.9E	62	5.2b		
EIDC	VI 15 13 40 37.6	6.3S	154.9E	55	4.5b,4.1s		
HRVD	VI 15 13 40 40.2±.3	6.62S±.03	154.94E±.04	73±3.6			
NEIC	Mw5.3(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c41; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}7.80±.37; $M_{\theta\theta}$−8.39±.70; $M_{\phi\phi}$0.59±.90; $M_{r\theta}$−0.83±.71; $M_{r\phi}$−2.05±.57; $M_{\theta\phi}$4.48±.47. Principal Axes: T 8.6,Plg70°,Azm112°; N 1.7, Plg20°,Azm292°; P −10.3,Plg0°,Azm22°. Best double couple: $M_0$9.4×10^{16}Nm, NP1:ϕ_s131°, δ48°,λ117°. NP2:ϕ_s274°,δ48°,λ63°.						
ISC	**VI 15 16 09 21**±1.3	**6.3S**±.10	**154.80E**±.090	**98**±12	**4.3b**	**18**	**3-85**
NEIC	VI 15 16 09 19.7	6.23S	154.82E	91	4.4b		¶97vi2326
EIDC	VI 15 16 09 21.9	6.3S	154.8E	96	4.0b		
NEIC	Less reliable solution.						
ISC	**VI 15 17 06 17**±2.5	**7.14S**±.044	**155.69E**±.049	**22**±18	**5.1b,5.0s**	**208**	**5-161**
NEIC	VI 15 17 06 18.8	7.15S	155.67E	33	5.0b,5.2s		¶97vi2333
BJI	VI 15 17 06 19.3	7.04S	155.73E	33	5.2b,5.0s		
MOS	VI 15 17 06 19.5	7.2S	155.7E	35	5.6b,5.0s		
EIDC	VI 15 17 06 20.9	7.2S	155.8E	40	4.8b,4.7s		
HRVD	VI 15 17 06 23.1±.2	7.46S±.02	155.58E±.02	34±1.3			
NEIC	Mw5.5(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s61,c104; Half duration: 1^{s}5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.73±.03; $M_{\theta\theta}$−1.33±.04; $M_{\phi\phi}$−0.40±.05; $M_{r\theta}$0.89±.07; $M_{r\phi}$−0.38±.06; $M_{\theta\phi}$0.92±.03. Principal Axes: T 1.98,Plg75°,Azm13°; N 0.15, Plg4°,Azm120°; P −2.13,Plg14°,Azm211°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_s307°,δ31°,λ98°. NP2:ϕ_s117°,δ59°,λ85°.						
ISC	**VI 15 17 51 14**±1.4	**7.20S**±.055	**155.63E**±.058	**43**±14	**4.8b,4.5s**	**111**	**5-161**
NEIC	VI 15 17 51 13.1	7.17S	155.57E	33	4.7b		¶97vi2337
BJI	VI 15 17 51 13.6	7.09S	155.66E	36	5.1b,4.7s		
MOS	VI 15 17 51 13.7	7.1S	155.6E	34	5.5b		
EIDC	VI 15 17 51 17.7	7.3S	155.6E	60	4.3b,4.4s		
ISC	**VI 15 17 53 59**±1.2	**7.1S**±.18	**155.6E**±.30	**33**	**4.0b**	**9**	**28-147**
EIDC	VI 15 17 53 55.8	7.1S	155.6E	0	4.1b		¶97vi2338
ISC	**VI 15 18 33 33**±1.1	**7.2S**±.15	**154.9E**±.20	**150**	**3.6b**	**9**	**8-148**
EIDC	VI 15 18 33 35.0	7.2S	154.9E	158	3.5b		¶97vi2342
ISC	**VI 15 18 50 17**±5.4	**5.4S**±.76	**155.1E**±.23	**100**	**4.3b**	**6**	**6-41**
							¶97vi2343
ISC	**VI 15 21 44 45.1**±.89	**4.6S**±.11	**159.1E**±.17	**33**	**3.8b**	**8**	**5-99**
EIDC	VI 15 21 44 42.0	4.4S	159.2E	0	3.8b,3.8L		¶97vi2361
ISC	**VI 15 21 51 10**±1.0	**7.5S**±.19	**156.4E**±.10	**33**	**3.8b**	**7**	**4-83**
EIDC	VI 15 21 51 07.0	7.4S	156.4E	0	3.8b,3.5L		¶97vi2362
NEIC	VI 15 21 51 09.9	7.45S	156.40E	33	4.5b		
NEIC	Poor solution.						
ISC	**VI 16 09 07 01**±1.6	**7.20S**±.066	**155.69E**±.075	**66**±16	**4.4b**	**48**	**5-152**
MOS	VI 16 09 07 00.1	7.1S	155.7E	44	5.1b		¶97vi2431
BJI	VI 16 09 07 00.9	7.18S	155.72E	71	4.9b		
NEIC	VI 16 09 07 01.5	7.20S	155.71E	70	4.4b		
EIDC	VI 16 09 07 03.8	7.3S	155.8E	75	4.1b,3.3s		
ISC	**VI 17 22 03 12.1**±.91	**6.6S**±.13	**155.2E**±.21	**33**	**3.8b**	**9**	**24-96**
EIDC	VI 17 22 03 08.7	6.6S	155.3E	0	3.9b		¶97vi2696
NEIC	VI 17 22 03 12.1	6.61S	155.21E	33			
NEIC	Single network solution.						
ISC	**VI 17 22 42 07**±2.1	**6.8S**±.23	**155.5E**±.37	**31**	**4.0b**	**8**	**24-148**
NEIC	VI 17 22 42 07.6	6.67S	155.38E	31			¶97vi2699
EIDC	VI 17 22 42 07.9	6.8S	155.7E	30	3.9b		
NEIC	Less reliable solution.						
ISC	**VI 18 15 47 53**±4.4	**7.6S**±.22	**158.4E**±.29	**70**±53	**3.5b**	**10**	**2-145**
NEIC	VI 18 15 47 51.8	7.55S	158.20E	56			¶97vi2803
EIDC	VI 18 15 47 53.9	7.6S	158.2E	59	3.5b		
NEIC	Single network solution.						
ISC	**VI 19 18 01 02.7**±.76	**7.2S**±.14	**155.4E**±.12	**50**	**3.7b**	**9**	**5-148**
EIDC	VI 19 18 00 56.1	7.4S	155.7E	0	3.8b,2.5s		¶97vi2948
NEIC	VI 19 18 01 02.6	7.24S	155.38E	50			
NEIC	Poor solution.						
EIDC	**VI 20 19 18 58.8**	**7.4S**	**156.2E**	**0**	**3.3b**,4.0L		**4-62**
							¶97vi3103
ISC	**VI 22 10 27 02**±1.4	**7.9S**±.19	**158.3E**±.14	**100**	**3.3b**	**5**	**2-83**
NEIC	VI 22 10 27 02.0	7.87S	158.28E	100			¶97vi3371
EIDC	VI 22 10 27 10.6	9.0S	159.3E	197	3.2b		
NEIC	Single network solution.						
EIDC	**VI 26 06 45 31.8**	**7.3S**	**154.5E**	**0**	**3.9b**		**20-148**
							¶97vi4096
EIDC	**VI 28 21 05 25.8**	**9.7S**	**162.8E**	**0**	**3.8b**		**19-144**
							¶97vi4525
ISC	**VI 29 09 25 49**±1.8	**6.6S**±.41	**154.2E**±.56	**33**	**3.3b**	**4**	**23-83**
EIDC	VI 29 09 25 45.0	6.5S	154.1E	0	3.5b		¶97vi4601
ISC	Poorly determined						
ISC	**VI 29 21 34 04**±1.0	**7.8S**±.14	**158.9E**±.14	**33**	**3.7b**,3.7s	**7**	**2-95**
EIDC	VI 29 21 34 01.1	7.7S	159.0E	0	3.9b,3.7s		¶97vi4667
NEIC	VI 29 21 34 04.1	7.78S	158.92E	33			
NEIC	Less reliable solution.						

(194) D'Entrecasteaux Islands region.

EIDC	**II 27 14 21 20.3**	**8.1S**	**155.0E**	**0**	**3.3b**		**8-27**
							¶97ii3968
EIDC	**III 04 22 01 01.8**	**8.5S**	**154.9E**	**0**	**3.7b**		**23-85**
							¶97iii0928
ISC	**III 17 00 49 03**±1.4	**8.2S**±.25	**154.6E**±.28	**33**	**3.9b**	**7**	**14-85**
EIDC	III 17 00 48 59.3	8.1S	154.4E	0	3.9b,3.7L		¶97iii3293
NEIC	III 17 00 49 03.0	8.06S	154.49E	33	3.9b		
NEIC	Poor solution.						
EIDC	**III 17 11 17 03.0**	**8.9S**	**153.0E**	**0**	**3.4b**,3.9L		**6-25**
							¶97iii3369
EIDC	**III 28 00 17 22.8**	**11.8S**	**153.3E**	**0**	3.3b,3.2L		**20-23**
							¶97iii5336
EIDC	**V 04 03 44 21.4**	**9.5S**	**155.0E**	**0**	**3.6b**,2.7s		**22-86**
							¶97v0556
ISC	**V 18 10 27 49**±1.7	**10.4S**±.49	**155.8E**±.22	**33**	**3.6b**	**6**	**4-25**
EIDC	V 18 10 27 27.4	8.9S	157.1E	0	3.8b		¶97v3065
NEIC	V 18 10 27 48.4	10.40S	155.78E	33	3.8b		
NEIC	Poor solution.						
ISC	**VI 22 00 33 35**±1.8	**10.5S**±.37	**153.7E**±.45	**33**	**3.6b**	**4**	**21-87**
EIDC	VI 22 00 33 30.1	10.7S	154.1E	0	3.5b		¶97vi3297
ISC	Poorly determined						

(195) Solomon Islands region.

EIDC	**I 28 07 06 28.2**	**10.0S**	**157.4E**	**0**	**3.8b**		**24-26**
							¶97i4174
EIDC	**III 16 03 45 59.5**	**13.6S**	**159.0E**	**0**	**3.4b**		**4-26**
							¶97iii3161

SEISMIC REGION 16.
NEW GUINEA.

(196) West Irian region.

ISC	**I 01 17 54 35**±3.8	**0.8S**±.37	**133.5E**±.27	**33**	**3.8b**	**8**	**2-32**
NEIC	I 01 17 54 34.6	0.85S	133.46E	33	3.8b		¶97i0098
EIDC	I 01 17 54 41.2	1.7S	134.4E	0	3.8b,4.0L		
NEIC	Poor solution.						
ISC	**I 02 08 36 00**±1.4	**1.8S**±.13	**133.7E**±.59	**33**	**3.9b**	**7**	**11-63**
EIDC	I 02 08 35 57.3	1.8S	133.9E	0	3.8b,3.9L		¶97i0178
NEIC	I 02 08 36 00.1	1.79S	133.77E	33	3.6b		
NEIC	Poor solution.						
ISC	**I 02 18 03 48.7**±.98	**4.73S**±.095	**135.2E**±.18	**33**	**3.7b**	**15**	**8-149**
EIDC	I 02 18 03 46.3	4.8S	134.8E	0	4.1L,3.8b		¶97i0258
NEIC	I 02 18 03 47.1	4.61S	135.44E	33	4.3b		
NEIC	Poor solution.						
ISC	**I 06 10 12 06.1**±.99	**0.7S**±.10	**135.0E**±.44	**33**	**4.1b**	**9**	**12-86**
EIDC	I 06 10 12 03.1	0.6S	135.6E	0	3.9b,4.1L		¶97i0773
NEIC	I 06 10 12 06.1	0.69S	134.99E	33	4.1b		
NEIC	Poor solution.						
EIDC	**I 07 07 37 40.5**	**0.7N**	**131.1E**	**0**	**3.5b**		**2-86**
							¶97i0894
EIDC	**I 08 09 11 19.6**	**1.2S**	**131.0E**	**0**	3.9b,3.5L		**19-37**
							¶97i1043
EIDC	**I 08 21 21 11.7**	**0.9S**	**138.6E**	**0**	4.0b,3.7L		**19-31**
							¶97i1116
ISC	**I 09 15 09 09**±1.5	**4.9S**±.17	**134.3E**±.82	**33**	3.7b	**7**	**15-90**
EIDC	I 09 15 09 01.1	4.7S	131.8E	0	3.8b,3.9L		¶97i1237
ISC	**I 11 06 23 59.1**±.70	**3.42S**±.070	**134.4E**±.14	**33**	**4.4b**	**22**	**4-103**
EIDC	I 11 06 23 56.4	3.3S	134.8E	0	4.3b		¶97i1478
NEIC	I 11 06 23 59.5	3.48S	134.27E	33	4.3b		
NEIC	Less reliable solution.						
ISC	**I 11 11 18 07.9**±.93	**2.0S**±.10	**136.3E**±.13	**33**	**4.2b**	**17**	**5-86**
EIDC	I 11 11 18 04.4	2.1S	136.3E	0	4.1b,4.6L		¶97i1512
NEIC	I 11 11 18 08.0	2.06S	136.30E	33	4.3b		
NEIC	Less reliable solution.						
ISC	**I 11 20 13 54.2**±.91	**1.93S**±.098	**133.2E**±.18	**33**	**4.0b**	**10**	**2-87**
EIDC	I 11 20 13 52.0	1.9S	134.6E	0	3.9b,4.2L		¶97i1572
NEIC	I 11 20 13 54.4	2.00S	133.17E	33	3.7b		
NEIC	Less reliable solution.						
ISC	**I 17 09 18 26**±1.5	**2.1S**±.17	**133.5E**±.27	**33**	**3.6b**	**5**	**3-64**
EIDC	I 17 09 18 23.1	1.9S	134.9E	0	3.7b,3.5L		¶97i2423
NEIC	I 17 09 18 26.3	2.08S	133.54E	33			
NEIC	Poor solution.						
EIDC	**I 18 21 23 54.9**	**2.7S**	**131.5E**	**0**	**3.7b**,4.1L		**17-68**
							¶97i2716
ISC	**I 18 21 26 33.8**±.92	**0.94S**±.091	**137.3E**±.24	**33**	**3.7b**	**11**	**19-85**
EIDC	I 18 21 26 30.6	0.9S	137.5E	0	3.7b,4.4L		¶97i2718
NEIC	I 18 21 26 33.8	0.95S	137.33E	33	4.0b		
NEIC	Poor solution.						
ISC	**I 22 00 32 09**±3.8	**1.6S**±.26	**141.0E**±.61	**33**	**3.8b**	**6**	**19-46**
EIDC	I 22 00 32 06.9	1.7S	141.0E	0	3.8b,4.0L		¶97i3254
ISC	**I 23 23 05 33**±1.1	**3.0S**±.11	**136.8E**±.55	**33**	**3.7b**	**8**	**17-87**
EIDC	I 23 23 05 29.9	3.0S	137.5E	0	3.9b		¶97i3562
NEIC	I 23 23 05 33.0	2.97S	136.97E	33	3.8b		
NEIC	Poor solution.						
EIDC	**I 24 20 57 01.2**	**3.0S**	**131.5E**	**0**	3.2b,3.1L		**2-38**
							¶97i3686
EIDC	**I 25 00 21 51.2**	**2.3S**	**135.7E**	**0**	3.9b,3.6L		**18-30**
							¶97i3711
ISC	**I 27 19 42 23.8**±.83	**0.6S**±.10	**136.5E**±.21	**24**	**4.2b**	**12**	**20-150**
NEIC	I 27 19 42 23.7	0.61S	136.53E	24	4.5b		¶97i4118
EIDC	I 27 19 42 25.6	0.7S	136.4E	21	4.0b		
NEIC	Less reliable solution.						
ISC	**I 30 20 53 23.0**±.82	**0.7S**±.11	**131.5E**±.27	**33**	**4.0b**	**11**	**12-101**
EIDC	I 30 20 53 19.7	0.6S	131.7E	0	3.9b,4.4L		¶97i4540
NEIC	I 30 20 53 22.8	0.68S	131.53E	33	4.3b		
NEIC	Poor solution.						
ISC	**I 31 09 45 04**±1.7	**0.1S**±.14	**140.8E**±.45	**33**	**3.8b**	**8**	**20-64**
EIDC	I 31 09 45 01.9	0.2S	140.1E	0	3.6b		¶97i4609
ISC	**I 31 21 28 00.6**±.75	**4.68S**±.077	**134.2E**±.16	**27**	**4.0b**	**19**	**12-150**
NEIC	I 31 21 28 00.4	4.69S	134.25E	27	4.2b		¶97i4682
EIDC	I 31 21 28 02.6	4.6S	134.3E	25	3.8b,4.1L		
BJI	I 31 21 28 06.7	4.22S	134.58E	10	4.7b		
NEIC	Less reliable solution.						
ISC	**II 02 09 42 53.9**±.45	**2.05S**±.055	**132.82E**±.073	**33**	**4.3b**	**26**	**8-120**
EIDC	II 02 09 42 50.9	2.0S	133.2E	0	4.1b,4.7L		¶97ii0206
NEIC	II 02 09 42 53.9	2.09S	132.64E	33	4.4b		
BJI	II 02 09 42 54.5	2.02S	132.59E	33	4.8b		
NEIC	Less reliable solution.						
ISC	**II 02 12 45 56.1**±.79	**0.91S**±.090	**137.13E**±.099	**33**	**4.0b**	**13**	**4-85**
EIDC	II 02 12 45 53.7	0.9S	136.7E	0	4.0b,4.0L		¶97ii0221
NEIC	II 02 12 45 56.4	0.94S	136.73E	33	3.9b		
NEIC	Less reliable solution.						
ISC	**II 02 13 21 55**±7.7	**1.6S**±.72	**136.8E**±.71	**33**	**3.8b**	**7**	**18-30**
EIDC	II 02 13 21 44.5	0.9S	135.3E	0	3.8b,3.6L		¶97ii0227
NEIC	II 02 13 21 54.2	1.62S	136.79E	33	3.6b		
NEIC	Poor solution.						
ISC	**II 02 17 10 53**±3.4	**1.0S**±.30	**137.3E**±.59	**33**	**3.7b**	**7**	**19-42**
EIDC	II 02 17 10 48.9	1.0S	137.6E	0	3.8b,3.6L		¶97ii0248
NEIC	II 02 17 10 51.7	0.94S	137.51E	33	3.8b		
NEIC	Poor solution.						
ISC	**II 02 20 42 12.4**±.65	**0.69S**±.080	**134.9E**±.21	**78**±1.7*	**3.9b**	**15**	**12-152**
NEIC	II 02 20 42 12.4	0.72S	134.87E	78	4.1b		¶97ii0275
EIDC	II 02 20 42 14.2	0.7S	135.1E	80	3.7b		
NEIC	Less reliable solution.						
ISC	**II 02 21 08 51.9**±.36	**0.58S**±.053	**131.53E**±.098	**33**	**4.5b**,3.6s	**37**	**12-134**
EIDC	II 02 21 08 49.1	0.6S	131.5E	0	4.2b,3.5s		¶97ii0279
MOS	II 02 21 08 50.8	0.7S	131.3E	33	4.9b		
BJI	II 02 21 08 51.9	0.57S	131.70E	31	4.5b		
NEIC	II 02 21 08 52.0	0.57S	131.55E	33	4.8b		
ISC	**II 02 22 02 00**±6.8	**1.9S**±.58	**131.9E**±.87	**33**	**3.8b**	**6**	**18-31**
EIDC	II 02 22 01 51.9	1.5S	131.4E	0	3.8b,3.8L		¶97ii0287
ISC	**II 04 00 42 28.4**±.91	**0.9S**±.14	**131.1E**±.25	**33**	**3.9b**	**10**	**19-87**
EIDC	II 04 00 42 25.4	0.8S	131.2E	0	3.8b,4.2L		¶97ii0439
NEIC	II 04 00 42 28.1	0.89S	131.07E	33	4.2b		

NEIC Poor solution.
ISC II 04 05 46 16±2.4 **0.63S**±.078 **131.46E**±.078 **65**±23 **4.7b 37 12-98**
EIDC II 04 05 46 08.4 0.5S 131.3E 0 4.3b,4.6L ¶97ii0469
NEIC II 04 05 46 12.1 0.52S 131.53E 33 4.8b
MOS II 04 05 46 12.7 0.5S 131.5E 33 4.9b
BJI II 04 05 46 12.7 0.61S 131.50E 31 4.7b
NEIC Less reliable solution.
ISC II 04 14 37 36±1.4 **3.64S**±.051 **135.52E**±.076 **50**±15 **4.4b 42 5-149**
EIDC II 04 14 37 30.9 3.5S 135.6E 0 4.5b,4.2L ¶97ii0545
BJI II 04 14 37 32.9 3.82S 135.40E 31 4.6b
MOS II 04 14 37 33.5 3.5S 135.6E 33 4.9b
NEIC II 04 14 37 33.8 3.54S 135.62E 33 4.6b
EIDC II 04 15 47 18.3 1.1S 136.9E 0 3.0b,2.9L **19-85**
¶97ii0556
ISC II 04 22 07 19±1.2 **0.9S**±.17 **132.2E**±.38 **33 3.8b 8 19-62**
EIDC II 04 22 07 16.6 1.0S 132.0E 0 3.8b,4.2L ¶97ii0598
NEIC II 04 22 07 19.1 0.95S 132.22E 33 3.9b
NEIC Poor solution.
EIDC II 05 08 10 40.5 2.3S 136.9E 0 3.4b,3.5L **18-86**
¶97ii0656
ISC II 06 11 48 07±2.0 **0.17N**±.049 **130.72E**±.096 **63**±20 **4.6b 47 9-155**
MOS II 06 11 48 03.7 0.2N 130.7E 33 5.0b ¶97ii0832
NEIC II 06 11 48 04.0 0.15N 130.70E 33 4.9b
BJI II 06 11 48 06.0 0.20N 130.70E 33 4.9b
EIDC II 06 11 48 08.0 0.2N 130.7E 55 4.1b,5.0L
ISC II 06 17 45 39.2±.38 **3.26S**±.056 **134.71E**±.069 **33 4.4b 38 6-161**
MOS II 06 17 45 39.1 3.5S 134.2E 33 5.1b ¶97ii0882
BJI II 06 17 45 39.2 3.30S 134.80E 33 4.6b
NEIC II 06 17 45 39.2 3.26S 134.75E 33 4.6b
EIDC II 06 17 45 44.2 3.3S 134.7E 61 4.1b
NEIC Less reliable solution.
ISC II 14 04 53 42±1.5 **4.6S**±.13 **135.3E**±.41 **33 3.9b 9 5-66**
EIDC II 14 04 53 39.7 4.7S 134.9E 0 4.0b,3.6L ¶97ii2030
EIDC II 18 07 18 06.9 0.7S 130.7E 0 3.9b,3.9L **19-87**
¶97ii2615
EIDC II 26 14 25 56.3 0.9S 130.4E 0 3.9b,3.6L **1-33**
¶97ii3802
ISC II 26 14 31 46.9±.89 **3.14S**±.093 **131.0E**±.27 **33** 3.1b **8 2-38**
EIDC II 26 14 31 51.2 4.1S 129.3E 0 4.2L,3.3b ¶97ii3805
EIDC II 26 14 46 12.3 1.8S 130.1E 0 3.6b,3.3L **19-89**
¶97ii3808
ISC II 27 10 17 21.1±.88 **0.8S**±.10 **134.6E**±.52 **33 3.7b 8 19-86**
EIDC II 27 10 17 18.2 0.7S 134.8E 0 3.7b,3.8L ¶97ii3943
NEIC II 27 10 17 20.9 0.81S 134.60E 33 3.4b
NEIC Poor solution.
ISC III 05 08 40 01.6±.63 **3.90S**±.070 **133.9E**±.20 **33 4.1b 17 9-150**
EIDC III 05 08 39 59.9 3.8S 134.0E 0 4.1b,4.0L ¶97iii1020
NEIC III 05 08 40 01.6 3.91S 133.87E 33 4.3b
NEIC Less reliable solution.
EIDC III 06 20 46 41.0 1.5S 134.5E 0 3.6b,3.6L **18-38**
¶97iii1349
ISC III 10 09 56 38.9±.48 **1.84S**±.069 **136.6E**±.11 **49 4.3b,**3.6s **23 6-149**
EIDC III 10 09 56 34.1 1.9S 136.5E 0 4.2b,4.5L ¶97iii2189
NEIC III 10 09 56 36.6 1.79S 136.54E 33 4.4b
BJI III 10 09 56 38.6 1.93S 136.96E 49 4.8b
NEIC Less reliable solution.
ISC III 11 17 35 40±3.1 **3.4S**±.12 **135.2E**±.14 **38**±29 **4.0b 15 6-150**
EIDC III 11 17 35 37.7 3.4S 135.1E 11 4.1b,4.5L ¶97iii2420
NEIC III 11 17 35 38.9 3.39S 135.24E 33 4.4b
NEIC Less reliable solution.
ISC III 12 05 49 48±1.1 **3.27S**±.048 **135.14E**±.052 **47**±12 **4.5b 56 5-150**
EIDC III 12 05 49 44.0 3.3S 134.9E 0 4.5b,4.9L ¶97iii2483
BJI III 12 05 49 45.7 3.30S 135.07E 33 4.8b
MOS III 12 05 49 45.9 3.3S 135.1E 33 5.0b
NEIC III 12 05 49 46.3 3.27S 135.15E 33 4.9b
NEIC Less reliable solution.
EIDC III 13 09 10 25.7 0.4S 137.2E 0 3.8b,4.6L **20-84**
¶97iii2677
ISC III 20 09 34 00.6±.41 **3.32S**±.059 **134.69E**±.088 **33 4.5b 30 4-150**
EIDC III 20 09 33 57.9 3.3S 135.2E 0 4.7b,4.2L ¶97iii3879
BJI III 20 09 34 00.0 3.32S 134.63E 34 4.8b
MOS III 20 09 34 00.3 3.3S 134.9E 33 5.0b
NEIC III 20 09 34 00.5 3.32S 134.72E 33 4.6b
NEIC Less reliable solution.
ISC III 20 14 00 46.8±.51 **3.84S**±.065 **134.9E**±.11 **33 4.2b,**4.9s **20 5-80**
BJI III 20 14 00 43.1 3.89S 135.46E 25 4.4b,4.7s ¶97iii3905
EIDC III 20 14 00 44.6 3.7S 135.0E 0 4.1b,4.4L
MOS III 20 14 00 46.6 3.9S 134.9E 33 4.7b
NEIC III 20 14 00 46.7 3.85S 134.93E 33 4.6b
NEIC Less reliable solution.
ISC III 20 15 56 36.0±.80 **3.3S**±.10 **134.2E**±.15 **33 3.9b 10 14-79**
EIDC III 20 15 56 33.5 3.3S 134.2E 0 4.1b,4.0L ¶97iii3915
NEIC III 20 15 56 35.8 3.38S 134.11E 33 3.9b
NEIC Less reliable solution.
EIDC III 20 17 45 40.1 0.5N 134.5E 0 3.7b 20-99
¶97iii3931
ISC III 22 06 17 25±2.7 **0.98S**±.031 **137.07E**±.034 **7**±16 **5.3b,5.3s 204 4-169**
BJI III 22 06 17 24.7 0.90S 137.17E 9 5.3b,5.2s ¶97iii4212
MOS III 22 06 17 24.8 0.9S 137.1E 10 5.9b,5.1s
NEIC III 22 06 17 24.9 0.97S 137.07E 10 5.5b,5.5s
HRVD III 22 06 17 30.4±.3 0.97S±.04 137.23E±.04 15
EIDC III 22 06 17 31.9 1.0S 137.1E 52 4.9b,5.2s
NEIC Mw5.7(HRV), Mw5.6(GS).
NEIC Moment tensor solution: s12, scale 10^{17}Nm; M_{rr}0.80; $M_{\theta\theta}$−1.44; $M_{\phi\phi}$0.64; $M_{r\theta}$−2.14; $M_{r\phi}$1.81; $M_{\theta\phi}$0.14. Depth 8km; Principal axes: T 3.07,Plg50°,Azm238°; N 0.00,Plg18°, Azm125°; P −3.07,Plg34°,Azm22°. Best double couple: $M_0$3.1×10^{17}Nm; NP1:ϕ_S60°,δ20°, λ24°. NP2:ϕ_S307°,δ82°,λ108°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c46; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.05; $M_{\theta\theta}$−1.08±.08; $M_{\phi\phi}$−0.07±.09; $M_{r\theta}$−2.92±.19; $M_{r\phi}$1.86±.17; $M_{\theta\phi}$0.44±.06. Principal Axes: T 3.64,Plg54°,Azm217°; N 0.04, Plg4°,Azm121°; P −3.68,Plg36°,Azm28°. Best double couple: $M_0$3.7×10^{17}Nm, NP1:ϕ_S98°, δ10°,λ67°. NP2:ϕ_S302°,δ81°,λ94°.
ISC III 22 11 11 57.0±.64 **0.47S**±.084 **135.3E**±.21 **33 4.4b 18 19-151**
EIDC III 22 11 11 53.6 0.4S 135.5E 0 4.2b,4.9L ¶97iii4253
NEIC III 22 11 11 57.2 0.49S 135.27E 33 4.6b
NEIC Less reliable solution.
ISC III 22 18 08 38±1.8 **0.5S**±.14 **136.3E**±.99 **33 4.1b 7 19-78**
EIDC III 22 18 08 34.1 0.5S 136.8E 0 4.1b ¶97iii4300
ISC III 27 21 31 47±6.7 **4.0S**±.12 **135.5E**±.23 **22**±51 **4.0b 10 5-88**
NEIC III 27 21 31 48.1 4.01S 135.49E 33 4.1b ¶97iii5312
EIDC III 27 21 32 07.6 4.5S 135.6E 206 3.5b,4.5L
NEIC Less reliable solution.
EIDC III 29 01 13 46.1 1.5S 135.0E 0 3.8b,3.6L **18-38**
¶97iii5513
ISC IV 07 08 58 23±1.1 **2.3S**±.11 **134.7E**±.87 **33 4.0b 6 18-87**
EIDC IV 07 08 58 19.9 2.2S 135.0E 0 4.0b,3.5L ¶97iv1132
NEIC IV 07 08 58 23.2 2.29S 134.80E 33 4.0b
NEIC Poor solution.
ISC IV 07 12 53 51.6±.97 **4.0S**±.10 **134.9E**±.22 **33 4.2b 9 16-66**
EIDC IV 07 12 53 49.6 3.9S 134.8E 0 4.3b,4.0L ¶97iv1161
NEIC IV 07 12 53 51.5 3.99S 134.87E 33 3.9b
NEIC Less reliable solution.
ISC IV 08 22 00 19±2.3 **2.38S**±.039 **134.05E**±.048 **24**±17 **4.7b,4.3s 85 6-151**
BJI IV 08 22 00 17.5 2.39S 134.42E 25 4.9b,5.0s ¶97iv1416
MOS IV 08 22 00 20.2 2.4S 133.9E 33 5.1b
NEIC IV 08 22 00 20.3 2.38S 134.00E 33 4.9b
EIDC IV 08 22 00 21.4 2.4S 134.0E 30 4.5b,3.9s
ISC IV 09 21 25 03.7±.82 **2.40S**±.082 **134.0E**±.16 **33 4.1b 12 3-88**
EIDC IV 09 21 25 01.1 2.4S 134.0E 0 4.1b,4.8L ¶97iv1585
NEIC IV 09 21 25 03.6 2.39S 134.02E 33 4.5b
NEIC Less reliable solution.
ISC IV 11 15 25 56±1.3 **3.0S**±.13 **134.1E**±.34 **33** 3.6b **6 17-88**
EIDC IV 11 15 25 52.6 2.8S 134.1E 0 3.8b,3.6L ¶97iv1929
NEIC IV 11 15 25 55.7 2.97S 134.09E 33 4.1b
NEIC Poor solution.
ISC IV 11 23 11 44±1.1 **1.2S**±.10 **136.3E**±.29 **33 4.0b 9 19-86**
EIDC IV 11 23 11 40.4 1.2S 136.3E 0 3.9b,4.1L ¶97iv1987
NEIC IV 11 23 11 43.5 1.24S 136.35E 33 4.1b
NEIC Poor solution.
ISC IV 13 01 11 28.2±.54 **3.21S**±.073 **134.4E**±.19 **33 4.1b 16 14-100**
EIDC IV 13 01 11 25.3 3.1S 134.5E 0 4.2b ¶97iv2165
BJI IV 13 01 11 27.2 3.08S 134.78E 19 4.4b,4.5s
NEIC IV 13 01 11 28.1 3.20S 134.40E 33 4.4b
NEIC Less reliable solution.
ISC IV 13 10 05 47.9±.88 **3.14S**±.096 **134.7E**±.32 **33 3.9b 9 17-88**
EIDC IV 13 10 05 45.4 3.1S 134.7E 0 4.0b,3.4L ¶97iv2218
NEIC IV 13 10 05 47.8 3.15S 134.71E 33 4.0b
NEIC Poor solution.
ISC IV 14 08 17 24±9.0 **1.6S**±.68 **140.2E**±.58 **0 4.2b 7 1-30**
EIDC IV 14 08 17 29.2 1.3S 137.0E 0 4.3b,4.0L ¶97iv2415
ISC IV 14 11 20 30±1.6 **1.9S**±.14 **135.4E**±.98 **33 3.8b 6 18-64**
EIDC IV 14 11 20 27.4 2.0S 135.3E 0 3.8b,3.8L ¶97iv2449
ISC IV 15 02 49 21±2.0 **3.48S**±.078 **135.4E**±.11 **38**±20 **4.0b 23 5-150**
EIDC IV 15 02 49 16.7 3.4S 135.6E 0 4.2b,4.5L ¶97iv2544
NEIC IV 15 02 49 20.3 3.46S 135.40E 33 4.3b
NEIC Less reliable solution.
EIDC IV 17 21 41 34.9 0.3S 136.9E 0 3.9b,3.8L **13-32**
¶97iv2977
ISC IV 18 12 57 09.0±.95 **3.16S**±.050 **134.45E**±.052 **37**±9.9 **4.4b 49 3-150**
NEIC IV 18 12 57 08.5 3.16S 134.45E 33 4.7b ¶97iv3080
MOS IV 18 12 57 08.7 3.1S 134.5E 33 4.9b
BJI IV 18 12 57 08.9 2.50S 134.91E 14 4.7b
EIDC IV 18 12 57 13.1 3.2S 134.5E 60 4.2b,4.3L
EIDC IV 23 18 26 07.6 2.8S 136.0E 0 3.4b,3.6L **17-42**
¶97iv4010
ISC IV 26 19 16 12.4±.51 **0.08S**±.065 **136.5E**±.18 **33 4.3b,3.3s 23 20-151**
BJI IV 26 19 16 10.2 0.22N 136.75E 14 4.3b ¶97iv4599
NEIC IV 26 19 16 12.3 0.08S 136.48E 33 4.3b
EIDC IV 26 19 16 13.4 0.1S 136.7E 30 4.1b,3.3s
NEIC Less reliable solution.
ISC IV 27 23 47 03±1.6 **3.1S**±.13 **135.2E**±.48 **33 3.7b 8 10-71**
EIDC IV 27 23 46 59.3 3.1S 135.4E 0 3.8b,3.4s ¶97iv4809
ISC IV 30 02 38 33.9±.70 **1.02S**±.086 **136.56E**±.080 **33 4.1b 18 4-150**
EIDC IV 30 02 38 30.7 1.0S 136.6E 0 4.1b,4.2L ¶97iv5151
NEIC IV 30 02 38 33.5 1.00S 136.73E 33 4.2b
NEIC Less reliable solution.
ISC V 01 20 49 17±4.3 **0.5S**±.47 **133.9E**±.83 **33** 3.7b **6 19-39**
EIDC V 01 20 49 19.6 1.0S 132.8E 0 3.7b,3.8L ¶97v0155
ISC V 03 20 47 08.6±.67 **0.75S**±.078 **133.2E**±.21 **33 4.0b 14 12-151**
EIDC V 03 20 47 05.9 0.8S 133.2E 0 4.0b,4.4L ¶97v0496
NEIC V 03 20 47 08.5 0.75S 133.24E 33 4.0b
NEIC Less reliable solution.
EIDC V 04 05 57 51.8 1.8S 130.6E 0 2.6s,3.7b **18-63**
¶97v0574
EIDC V 08 23 27 46.0 5.2S 136.5E 0 3.9L,3.5b **8-148**
¶97v1325
EIDC V 13 07 36 23.5 1.1N 133.2E 0 4.2b 21-135
¶97v2191
ISC V 15 01 08 47.9±.36 **3.33S**±.048 **134.73E**±.074 **33 4.5b,**3.4s **40 6-151**
EIDC V 15 01 08 44.9 3.2S 134.8E 0 4.6b,3.2s ¶97v2535
BJI V 15 01 08 47.3 2.92S 134.79E 15 4.5b
MOS V 15 01 08 47.8 3.3S 134.8E 33 5.0b
NEIC V 15 01 08 47.8 3.32S 134.73E 33 4.4b
NEIC Less reliable solution.
ISC V 17 15 28 26±1.2 **0.3S**±.18 **130.0E**±.81 **33 3.9b,**4.3s **5 20-87**
EIDC V 17 15 28 30.9 0.9S 136.0E 0 3.7b,3.3L ¶97v2954
ISC V 18 23 57 49.4±.76 **0.82S**±.088 **133.6E**±.24 **33 4.0b 13 19-153**
EIDC V 18 23 57 46.3 0.8S 133.7E 0 4.0b,3.9L ¶97v3164
NEIC V 18 23 57 49.3 0.83S 133.58E 33 3.9b
NEIC Less reliable solution.
EIDC V 20 02 56 20.5 2.0S 134.7E 0 3.8b,3.8L **4-22**
¶97v3345
ISC V 24 09 33 49±9.2 **0.9S**±.88 **135.4E**±.53 **33 3.9b 7 19-31**
EIDC V 24 09 33 42.9 0.6S 135.6E 0 3.8b,3.9L ¶97v4090
ISC V 26 00 32 45±1.1 **3.3S**±.11 **134.4E**±.36 **33** 4.0b **7 17-88**
EIDC V 26 00 32 41.9 3.3S 134.4E 0 3.9b,4.0L ¶97v4343
NEIC V 26 00 32 44.8 3.31S 134.37E 33 3.8b
NEIC Poor solution.
ISC V 26 00 37 13±1.9 **0.5S**±.19 **135.8E**±.77 **33 4.2b 7 19-85**
EIDC V 26 00 37 09.9 0.5S 136.1E 0 4.2b,4.1L ¶97v4344
NEIC V 26 00 37 12.6 0.52S 135.77E 33 4.1b
NEIC Poor solution.
EIDC V 26 20 23 38.9 2.2N 135.3E 0 3.5b 22-34
¶97v4464
EIDC V 28 06 16 41.6 1.7S 135.0E 0 3.8b,3.3L **18-64**
¶97v4668
EIDC V 30 10 15 06.2 2.6S 134.9E 0 3.7b,3.5L **17-30**
¶97v5018
ISC VI 04 19 34 06±3.1 **3.3S**±.15 **134.5E**±.30 **69**±30 3.5b **10 4-150**
NEIC VI 04 19 34 03.5 3.32S 134.64E 50 3.5b ¶97vi0664
EIDC VI 04 19 34 05.9 3.3S 134.4E 48 3.5b,3.9L
NEIC Less reliable solution.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**VI**	**09 02 29 25.9**±.72	**3.42S**±.098	**134.7E**±.12	**33**	**4.0b**	**9**	**6-88**	
EIDC	VI	09 02 29 22.9	3.3S	135.0E	0	4.1b			¶97vi1318
EIDC	**VI**	**09 05 15 59.2**	**0.1S**	**136.2E**	**0**	3.7b,3.5L		**20-84**	
									¶97vi1337
EIDC	**VI**	**09 08 03 58.5**	**0.2S**	**131.4E**	**0**	**3.8b**,4.2L		**20-87**	
									¶97vi1359
ISC	**VI**	**12 13 39 46.4**±.75	**3.53S**±.080	**131.2E**±.24	**33**	**3.7b**	**12**	**3-90**	
EIDC	VI	12 13 39 44.3	3.5S	131.3E	0	3.8b,4.0L			¶97vi1855
NEIC	VI	12 13 39 46.4	3.52S	131.18E	33	3.9b			
NEIC	Less reliable solution.								
EIDC	**VI**	**15 06 19 32.1**	**1.2S**	**131.4E**	**0**	3.9b,3.7L		**19-32**	
									¶97vi2249
EIDC	**VI**	**15 08 26 39.5**	**2.2S**	**136.4E**	**0**	3.7b,3.9L		**18-30**	
									¶97vi2266
EIDC	**VI**	**15 12 32 49.7**	**1.7S**	**135.4E**	**0**	3.9b,3.7L		**11-31**	
									¶97vi2294
ISC	**VI**	**15 14 35 48**±6.0	**3.3S**±.17	**134.7E**±.25	**80**±57	**3.7b**	**11**	**17-88**	
EIDC	VI	15 14 35 40.2	3.2S	134.8E	0	3.9b,3.9L			¶97vi2313
NEIC	VI	15 14 35 42.8	3.21S	134.76E	33	3.9b			
NEIC	Less reliable solution.								
ISC	**VI**	**16 08 02 12**±3.7	**3.40S**±.046	**134.64E**±.060	**2**±23	**4.9b,4.3s**	**96**	**6-151**	
EIDC	VI	16 08 02 13.5	3.3S	134.6E	0	4.8b,3.8s			¶97vi2423
BJI	VI	16 08 02 16.0	3.31S	134.79E	31	4.9b,4.7s			
MOS	VI	16 08 02 16.8	3.3S	134.5E	33	5.3b			
NEIC	VI	16 08 02 17.0	3.38S	134.73E	33	4.9b,4.7s			
HRVD	VI	16 08 02 18.1±.6	3.17S±.12	134.39E±.12	15				
NEIC	Mw5.2(HRV).								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c23; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−3.22±.39; $M_{\theta\theta}$−0.23±.29; $M_{\phi\phi}$3.46±.51; $M_{r\theta}$0.33±1.19; $M_{r\phi}$−5.02±1.53; $M_{\theta\phi}$1.02±.44. Principal Axes: T 6.23,Plg27°,Azm97°; N −0.22,Plg10°,Azm2°; P −6.02,Plg61°,Azm254°. Best double couple: $M_0$6.1×10^{16}Nm, NP1: ϕ_S211°,δ20°,λ−60°. NP2:ϕ_S359°,δ73°,λ−100°.								
ISC	**VI**	**16 11 56 19.4**±.70	**3.36S**±.079	**134.6E**±.10	**33**	**4.0b**	**16**	**6-150**	
EIDC	VI	16 11 56 16.2	3.2S	134.9E	0	4.1b			¶97vi2454
NEIC	VI	16 11 56 19.3	3.35S	134.63E	33	4.1b			
NEIC	Less reliable solution.								
EIDC	**VI**	**18 18 12 08.5**	**0.3N**	**138.5E**	**0**	**3.5b**		**20-32**	
									¶97vi2818
EIDC	**VI**	**23 10 42 06.9**	**1.6S**	**130.8E**	**0**	3.7b,3.5L		**19-32**	
									¶97vi3513
ISC	**VI**	**23 18 32 29**±1.4	**1.5S**±.14	**135.6E**±.42	**33**	**3.9b**	**6**	**18-64**	
EIDC	VI	23 18 32 26.0	1.5S	135.5E	0	3.9b,3.6L			¶97vi3573
ISC	**VI**	**24 04 38 44**±1.0	**3.3S**±.12	**134.9E**±.22	**33**	**3.7b**	**6**	**4-88**	
EIDC	VI	24 04 38 40.2	3.3S	136.5E	0	3.7b,3.9L			¶97vi3639
ISC	**VI**	**24 09 34 10**±6.0	**0.87S**±.056	**136.43E**±.084	**8**±37	**4.6b,3.4s**	**46**	**4-150**	
EIDC	VI	24 09 34 09.8	0.8S	136.4E	0	4.5b,3.5s			¶97vi3686
MOS	VI	24 09 34 13.0	0.9S	136.4E	33	5.0b			
NEIC	VI	24 09 34 13.0	0.90S	136.40E	33	4.6b			
ISC	**VI**	**25 00 18 27.4**±.84	**1.35S**±.085	**130.0E**±.20	**33**	**4.0b**	**9**	**3-76**	
EIDC	VI	25 00 18 24.6	1.7S	128.8E	0	4.1b,4.1L			¶97vi3806

(197) Near north coast of West Irian.

ISC	**I**	**02 01 43 19.5**±.95	**2.23S**±.094	**139.5E**±.19	**33**	**3.7b**	**10**	**13-85**	
EIDC	I	02 01 43 16.8	2.2S	139.4E	0	3.8b,4.0L			¶97i0149
NEIC	I	02 01 43 19.5	2.24S	139.45E	33	3.8b			
NEIC	Less reliable solution.								
ISC	**I**	**17 20 58 39.1**±.64	**2.78S**±.075	**140.6E**±.11	**33**	**4.2b**	**15**	**0-76**	
EIDC	I	17 20 58 34.4	2.8S	141.0E	0	4.0b			¶97i2531
NEIC	I	17 20 58 39.1	2.81S	140.58E	33	4.4b			
NEIC	Less reliable solution.								
ISC	**II**	**02 06 28 12**±1.1	**2.5S**±.16	**140.4E**±.55	**33**	**3.7b**	**7**	**18-85**	
EIDC	II	02 06 28 08.6	2.5S	140.6E	0	3.8b,4.0L			¶97ii0184
NEIC	II	02 06 28 11.8	2.50S	140.40E	33	3.6b			
NEIC	Poor solution.								
EIDC	**II**	**04 18 25 54.6**	**1.9S**	**139.5E**	**0**	3.4b,3.0L		**1-30**	
									¶97ii0579
ISC	**II**	**05 19 57 45**±5.1	**2.2S**±.45	**140.9E**±.28	**57**±10	**3.5b**	**10**	**0-30**	
EIDC	II	05 19 57 44.6	2.8S	141.5E	0	3.7b,4.1L			¶97ii0743
NEIC	II	05 19 58 01.1	3.45S	140.72E	100	3.7b			
NEIC	Poor solution.								
ISC	**III**	**05 04 58 38**±2.9	**2.7S**±.12	**140.8E**±.20	**50**±28	**4.0b**	**15**	**3-146**	
EIDC	III	05 04 58 33.5	2.6S	140.9E	0	4.0b,4.2L			¶97iii0987
NEIC	III	05 04 58 36.5	2.70S	140.82E	33	4.1b			
NEIC	Less reliable solution.								
EIDC	**III**	**05 20 15 11.9**	**2.8S**	**139.6E**	**0**	3.5b,4.1L		**18-66**	
									¶97iii1125
ISC	**III**	**14 12 22 33**±1.2	**2.3S**±.12	**139.6E**±.19	**33**	**3.7b**	**7**	**3-85**	
EIDC	III	14 12 22 29.0	2.3S	139.8E	0	3.7b,4.1L			¶97iii2874
NEIC	III	14 12 22 32.5	2.36S	139.69E	33	3.5b			
NEIC	Poor solution.								
ISC	**III**	**22 06 28 10**±1.7	**1.5S**±.30	**139.8E**±.85	**33**	**3.9b**	**6**	**19-84**	
EIDC	III	22 06 28 06.1	1.3S	139.4E	0	3.9b,4.1L			¶97iii4216
ISC	**III**	**23 02 31 13**±1.1	**1.5S**±.22	**139.4E**±.98	**33**	**3.8b**	**6**	**19-84**	
EIDC	III	23 02 31 10.5	1.4S	139.1E	0	3.8b,4.1L			¶97iii4368
ISC	**III**	**23 07 52 30**±9.5	**1.9S**±.96	**138.4E**±.50	**33**	**3.5b**	**6**	**2-30**	
EIDC	III	23 07 52 36.6	3.0S	139.3E	0	3.5b,3.5L			¶97iii4418
EIDC	**III**	**24 19 28 48.7**	**1.3S**	**138.0E**	**0**	3.9b,3.8L		**19-31**	
									¶97iii4607
EIDC	**III**	**24 19 32 58.9**	**1.5S**	**137.2E**	**0**	3.8b,3.6L		**19-30**	
									¶97iii4610
EIDC	**IV**	**15 13 21 50.2**	**2.9S**	**140.3E**	**0**	3.5b,4.2L		**0-85**	
									¶97iv2604
EIDC	**IV**	**22 00 28 25.2**	**2.9S**	**140.1E**	**0**	3.5b,4.1L		**1-85**	
									¶97iv3604
ISC	**IV**	**24 07 03 01**±2.4	**2.2S**±.12	**139.2E**±.17	**33**±25	**4.1b**	**15**	**1-85**	
EIDC	IV	24 07 02 58.0	2.1S	139.5E	0	4.0b,4.3L			¶97iv4096
NEIC	IV	24 07 03 02.9	2.26S	139.25E	50	4.3b			
NEIC	Less reliable solution.								
ISC	**V**	**03 12 10 02.7**±.78	**2.38S**±.090	**139.99E**±.074	**33**	**3.9b**	**23**	**0-147**	
EIDC	V	03 12 09 59.0	2.5S	139.8E	0	3.7b,4.3s			¶97v0435
NEIC	V	03 12 10 03.1	2.41S	139.83E	33	4.2b			
NEIC	Poor solution.								
ISC	**V**	**04 20 31 43.1**±.58	**1.16S**±.068	**137.2E**±.18	**33**	**4.0b**,3.0s	**17**	**19-99**	
EIDC	V	04 20 31 39.6	1.1S	137.2E	0	4.0b,3.0s			¶97v0693
BJI	V	04 20 31 43.0	1.10S	137.20E	33				
NEIC	V	04 20 31 43.0	1.14S	137.17E	33	4.4b			
NEIC	Less reliable solution.								
EIDC	**V**	**07 22 40 35.4**	**2.0S**	**139.0E**	**0**	3.8b,3.9L		**18-30**	
									¶97v1152
ISC	**V**	**17 19 17 24.1**±.62	**2.82S**±.071	**139.1E**±.10	**33**	**4.2b**,3.8s	**26**	**1-147**	
EIDC	V	17 19 17 21.3	2.9S	139.0E	0	4.1b,4.1L			¶97v2975
NEIC	V	17 19 17 24.0	2.81S	139.05E	33	4.5b			
NEIC	Less reliable solution.								
ISC	**V**	**31 21 15 46**±1.4	**2.0S**±.12	**139.3E**±.34	**33**	**3.9b**,2.7s	**9**	**18-147**	
EIDC	V	31 21 15 43.0	2.0S	139.3E	0	3.9b,3.0s			¶97v5240
ISC	**VI**	**03 08 12 04**±8.9	**2.4S**±.93	**139.5E**±.48	**33**	**3.7b**	**7**	**1-29**	
EIDC	VI	03 08 11 31.6	1.0N	134.9E	0	3.6b			¶97vi0405
ISC	**VI**	**06 20 30 32**±2.1	**1.90S**±.089	**138.9E**±.13	**39**±22	**4.2b,3.7s**	**16**	**2-148**	
BJI	VI	06 20 30 32.5	1.93S	138.83E	35				¶97vi0992
NEIC	VI	06 20 30 33.1	2.02S	138.85E	33				
EIDC	VI	06 20 30 35.6	1.9S	138.7E	55	3.9b,3.7s			
NEIC	Less reliable solution.								
ISC	**VI**	**12 21 18 00**±3.6	**2.93S**±.088	**139.11E**±.095	**21**±28	**4.2b,3.0s**	**24**	**1-147**	
EIDC	VI	12 21 17 58.2	2.9S	139.1E	0	4.0b,3.0s			¶97vi1898
NEIC	VI	12 21 18 01.9	2.97S	139.08E	33	4.4b			
EIDC	**VI**	**22 10 51 03.4**	**2.9S**	**139.9E**	**0**	3.7b,3.9L		**1-29**	
									¶97vi3375

(198) New Guinea region.

EIDC	**I**	**30 11 06 59.2**	**1.8S**	**142.7E**	**0**	3.6b,3.9L		**4-41**	
									¶97i4474
ISC	**III**	**15 11 31 36.4**±.73	**0.08S**±.093	**142.5E**±.29	**100**	**3.8b**	**15**	**20-148**	
EIDC	III	15 11 31 45.8	0.2S	142.6E	175	3.4b			¶97iii3040
ISC	**III**	**15 11 41 20**±1.1	**1.3S**±.13	**144.8E**±.25	**33**	**3.9b**	**7**	**8-96**	
EIDC	III	15 11 41 16.4	1.2S	144.7E	0	3.6b,3.4L			¶97iii3042
NEIC	III	15 11 41 19.4	1.31S	144.79E	33	4.3b			
NEIC	Less reliable solution.								
EIDC	**III**	**16 00 46 21.8**	**1.7S**	**144.9E**	**0**	**3.5b**		**21-66**	
									¶97iii3141
ISC	**III**	**22 01 27 58**±2.0	**1.55S**±.086	**144.8E**±.17	**77**±19	**3.8b**	**18**	**2-149**	
NEIC	III	22 01 27 55.9	1.54S	144.74E	56	4.2b			¶97iii4174
EIDC	III	22 01 27 57.7	1.6S	144.7E	59	3.7b			
NEIC	Less reliable solution.								

(199) Admiralty Islands region.

ISC	**II**	**07 03 03 36**±1.7	**2.5S**±.41	**148.0E**±.70	**33**	**3.4b**	**4**	**22-96**	
EIDC	II	07 03 03 32.2	2.7S	148.5E	0	3.6b			¶97ii0932
ISC	Poorly determined								
ISC	**III**	**15 11 14 52**±1.4	**1.54S**±.052	**145.36E**±.086	**78**±14	**4.4b**	**74**	**5-158**	
EIDC	III	15 11 14 44.3	1.4S	144.9E	0	4.2b,3.9L			¶97iii3037
BJI	III	15 11 14 45.3	1.69S	145.42E	31	4.9b,5.4s			
MOS	III	15 11 14 46.9	1.5S	145.2E	33	5.1b			
NEIC	III	15 11 14 47.0	1.49S	145.38E	33	4.9b			
ISC	**III**	**15 11 17 34**±3.6	**1.43S**±.049	**145.40E**±.059	**29**±27	**4.8b,5.4s**	**121**	**8-158**	
EIDC	III	15 11 17 31.6	1.4S	145.5E	0	4.5b,4.2L			¶97iii3038
MOS	III	15 11 17 34.3	1.4S	145.4E	33	5.5b,5.2s			
NEIC	III	15 11 17 34.5	1.45S	145.45E	33	5.0b,5.4s			
BJI	III	15 11 17 35.9	1.46S	145.35E	41	4.8b,5.4s			
HRVD	III	15 11 17 38.8±.4	1.22S±.05	145.54E±.05	15				
NEIC	Mw5.8(HRV).								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c36; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.14; $M_{\theta\theta}$−2.81±.12; $M_{\phi\phi}$2.77±.16; $M_{r\theta}$−0.68±.45; $M_{r\phi}$3.98±.46; $M_{\theta\phi}$1.50±.16. Principal Axes: T 5.69,Plg34°,Azm277°; N −1.43, Plg39°,Azm153°; P −4.27,Plg32°,Azm32°. Best double couple: $M_0$5.0×10^{17}Nm, NP1:ϕ_S66°, δ39°,λ2°. NP2:ϕ_S334°,δ89°,λ129°.								
EIDC	**III**	**15 11 27 12.8**	**1.7S**	**145.5E**	**142**	**3.4b**		**21-150**	
									¶97iii3039
ISC	**III**	**15 11 32 10.9**±.59	**1.46S**±.060	**145.4E**±.16	**33**	**4.8b**,5.1s	**37**	**6-150**	
NEIC	III	15 11 32 10.1	1.41S	145.50E	33	4.8b			¶97iii3041
MOS	III	15 11 32 10.4	1.5S	145.6E	33	5.2b			
BJI	III	15 11 32 11.4	1.53S	145.24E	34	4.9b,5.1s			
NEIC	Less reliable solution.								
ISC	**III**	**15 12 27 47**±2.3	**1.42S**±.087	**145.5E**±.16	**57**±20	**4.2b**	**21**	**3-150**	
EIDC	III	15 12 27 42.0	1.4S	145.4E	0	4.2b,3.7L			¶97iii3051
BJI	III	15 12 27 43.6	1.49S	145.57E	27	4.4b			
NEIC	III	15 12 27 45.3	1.41S	145.34E	33	4.3b			
NEIC	Less reliable solution.								
ISC	**III**	**15 12 32 58.0**±.76	**1.39S**±.081	**145.5E**±.20	**33**	**4.0b**	**13**	**8-96**	
EIDC	III	15 12 32 54.6	1.3S	145.4E	0	3.7b,3.8L			¶97iii3052
NEIC	III	15 12 32 57.4	1.36S	145.51E	33	4.5b			
BJI	III	15 12 33 00.0	1.75S	145.48E	31	4.4b			
NEIC	Less reliable solution.								
EIDC	**III**	**15 13 02 17.7**	**2.2S**	**147.4E**	**0**	**3.4b**		**22-67**	
									¶97iii3057
ISC	**III**	**15 15 53 48**±1.4	**1.50S**±.049	**145.44E**±.093	**64**±13	**4.6b**	**62**	**3-150**	
BJI	III	15 15 53 40.5	1.54S	145.97E	26	4.9b			¶97iii3066
MOS	III	15 15 53 44.1	1.5S	145.5E	33	5.2b			
NEIC	III	15 15 53 44.1	1.51S	145.51E	33	4.9b			
EIDC	III	15 15 53 45.1	1.6S	145.8E	32	4.2b,3.9L			
ISC	**III**	**15 16 14 50**±1.6	**1.6S**±.14	**145.5E**±.30	**33**	**3.7b**	**7**	**8-66**	
EIDC	III	15 16 14 47.0	1.6S	145.4E	0	3.7b,3.6L			¶97iii3069
NEIC	III	15 16 14 49.6	1.59S	145.43E	33	4.0b			
NEIC	Poor solution.								
ISC	**III**	**15 16 27 08**±6.7	**1.7S**±.12	**145.4E**±.20	**60**±62	**4.1b**	**20**	**18-150**	
NEIC	III	15 16 27 04.8	1.61S	145.39E	33	4.4b			¶97iii3070
EIDC	III	15 16 27 06.6	1.6S	145.4E	34	3.7b,3.8L			
NEIC	Less reliable solution.								
EIDC	**III**	**15 17 00 06.9**	**2.3S**	**146.6E**	**0**	**3.6b**		**21-67**	
									¶97iii3077
EIDC	**III**	**15 17 16 08.2**	**0.1S**	**146.3E**	**0**	**3.5b**		**23-80**	
									¶97iii3080
EIDC	**III**	**15 20 08 44.8**	**1.7S**	**146.8E**	**0**	**3.5b**		**22-82**	
									¶97iii3102
EIDC	**III**	**15 20 11 00.2**	**0.1S**	**146.5E**	**0**	**3.6b**		**23-41**	
									¶97iii3103
ISC	**III**	**15 21 04 53**±2.5	**2.0S**±.29	**146.7E**±.14	**33**	**3.8b**	**10**	**4-30**	
EIDC	III	15 21 04 51.0	2.5S	147.4E	0	3.7b			¶97iii3107
ISC	**III**	**15 21 34 41.2**±.71	**1.45S**±.068	**145.6E**±.12	**33**	**4.4b**,5.2s	**25**	**3-150**	
BJI	III	15 21 34 37.4	1.44S	146.13E	29	4.9b			¶97iii3112
EIDC	III	15 21 34 38.1	1.4S	145.8E	0	4.3b,4.0L			
NEIC	III	15 21 34 41.0	1.46S	145.67E	33				
NEIC	Less reliable solution.								
ISC	**III**	**15 21 48 30**±1.0	**2.1S**±.31	**145.7E**±.60	**33**	**3.7b**	**7**	**21-96**	
EIDC	III	15 21 48 26.5	2.0S	145.6E	0	3.8b			¶97iii3114
NEIC	III	15 21 48 30.0	2.07S	145.64E	33	4.0b			
NEIC	Poor solution.								

ISC	**III**	**15 22 30 56.4**±.75	**1.67S**±.081	**145.6E**±.17	**33**	**4.2b**	**15**	**3-150**
EIDC	III	15 22 30 52.8	1.7S	145.6E	0	4.0b,3.7L		¶97iii3121
BJI	III	15 22 30 54.7	1.60S	145.40E	33			
NEIC	III	15 22 30 56.2	1.68S	145.37E	33	4.5b		
NEIC	Poor solution.							
EIDC	**III**	**16 01 26 07.6**	**0.2S**	**146.3E**	**0**	**3.7b**		**23-80**
								¶97iii3145
ISC	**III**	**17 00 09 27.6**±.52	**1.46S**±.058	**145.3E**±.15	**33**	**4.2b**	**27**	**6-150**
EIDC	III	17 00 09 24.7	1.4S	145.3E	0	4.1b,3.9L		¶97iii3287
BJI	III	17 00 09 26.6	1.51S	145.43E	32	4.4b		
NEIC	III	17 00 09 27.4	1.48S	145.43E	33	4.7b		
MOS	III	17 00 09 27.9	1.6S	145.3E	33	4.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**17 02 23 00.2**	**2.2S**	**146.9E**	**0**	**3.6b**		**22-30**
								¶97iii3307
EIDC	**III**	**18 02 53 19.4**	**1.2S**	**145.8E**	**0**	**3.4b**		**22-31**
								¶97iii3476
ISC	**III**	**20 04 21 44**±8.8	**1.49S**±.067	**145.7E**±.13	**2**±52	**4.5b,4.2s**	**49**	**3-150**
EIDC	III	20 04 21 45.0	1.5S	145.8E	0	4.2b,4.2s		¶97iii3831
BJI	III	20 04 21 48.2	1.50S	145.60E	33	4.8b		
NEIC	III	20 04 21 48.2	1.53S	145.60E	33	4.9b,4.4s		
MOS	III	20 04 21 48.3	1.5S	145.6E	33	5.2b		
NEIC	Less reliable solution.							
ISC	**III**	**20 04 48 26**±1.1	**1.6S**±.10	**145.8E**±.25	**33**	**3.7b**	**9**	**18-82**
EIDC	III	20 04 48 23.3	1.5S	145.9E	0	3.8b		¶97iii3836
NEIC	III	20 04 48 26.4	1.58S	145.80E	33	4.0b		
NEIC	Less reliable solution.							
EIDC	**III**	**21 04 38 31.6**	**2.2S**	**146.4E**	**0**	**3.6b**		**21-82**
								¶97iii3997
ISC	**III**	**24 08 53 00**±2.3	**2.0S**±.19	**146.7E**±.62	**33**	**3.5b**	**6**	**21-67**
EIDC	III	24 08 52 57.6	2.0S	146.6E	0	3.6b		¶97iii4549
NEIC	III	24 08 53 00.3	2.04S	146.65E	33	3.6b		
NEIC	Poor solution.							
ISC	**III**	**27 21 38 03**±1.5	**1.7S**±.17	**145.2E**±.35	**33**	**3.6b**	**7**	**21-150**
EIDC	III	27 21 37 58.4	1.7S	145.5E	0	3.6b		¶97iii5313
NEIC	III	27 21 38 02.8	1.67S	145.23E	33	3.9b		
NEIC	Poor solution.							
EIDC	**IV**	**03 14 51 38.5**	**1.2S**	**148.0E**	**0**	**3.5b**,3.1s		**26-81**
								¶97iv0445
ISC	**IV**	**23 20 36 43**±1.0	**2.3S**±.11	**145.6E**±.26	**33**	**3.8b**	**10**	**21-97**
EIDC	IV	23 20 36 39.3	2.4S	145.7E	0	3.8b		¶97iv4023
NEIC	IV	23 20 36 43.2	2.32S	145.57E	33	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**24 02 45 29**±2.5	**2.5S**±.15	**148.6E**±.57	**33**	**3.5b**	**5**	**18-44**
EIDC	IV	24 02 45 28.2	2.5S	148.0E	0	3.6b		¶97iv4068
ISC	**IV**	**29 10 48 32**±1.1	**2.1S**±.27	**146.4E**±.32	**33**	**3.8b**	**8**	**6-96**
EIDC	IV	29 10 48 25.6	4.8S	150.8E	0	3.8b		¶97iv5064
ISC	**VI**	**02 04 11 57.7**±.81	**1.48S**±.094	**145.7E**±.22	**33**	**3.8b**	**11**	**21-96**
EIDC	VI	02 04 11 53.7	1.5S	145.9E	0	3.9b		¶97vi0176
NEIC	VI	02 04 11 57.6	1.49S	145.65E	33			
NEIC	Single network solution.							

(200) Near north coast of New Guinea.

ISC	**I**	**12 15 47 01**±2.5	**3.6S**±.12	**145.8E**±.16	**49**±23	**4.0b**	**16**	**3-84**
NEIC	I	12 15 46 57.5	3.52S	145.99E	33	4.1b		¶97i1703
EIDC	I	12 15 47 00.7	3.6S	145.5E	25	3.9b,4.2L		
NEIC	Less reliable solution.							
ISC	**I**	**25 10 14 25**±1.2	**4.73S**±.094	**145.7E**±.10	**52**±11	**4.1b**	**16**	**1-99**
NEIC	I	25 10 14 25.1	4.73S	145.62E	48	4.2b		¶97i3786
EIDC	I	25 10 14 25.1	4.7S	145.5E	40	4.1b,4.6L		
NEIC	Less reliable solution.							
EIDC	**II**	**08 17 41 00.6**	**4.9S**	**145.2E**	**0**	3.5b,3.5L		**5-27**
								¶97ii1178
ISC	**II**	**17 15 47 40.3**±.77	**3.28S**±.088	**145.4E**±.29	**33**	**3.8b,3.3s**	**10**	**17-98**
EIDC	II	17 15 47 37.2	3.3S	145.4E	0	3.9b,3.3s		¶97ii2512
NEIC	II	17 15 47 40.2	3.28S	145.44E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**19 12 52 24**±1.5	**4.69S**±.084	**144.4E**±.15	**126**±15	**3.9b**	**15**	**4-149**
NEIC	II	19 12 52 24.2	4.69S	144.38E	123	4.0b		¶97ii2794
EIDC	II	19 12 52 24.8	4.7S	144.3E	115	3.7b		
NEIC	Less reliable solution.							
EIDC	**II**	**24 18 06 12.2**	**2.9S**	**141.5E**	**0**	3.6b,3.8L		**18-29**
								¶97ii3516
ISC	**II**	**27 04 22 44**±7.4	**4.7S**±.64	**145.9E**±.32	**33**	**3.8b**	**7**	**5-27**
EIDC	II	27 04 22 54.7	5.8S	145.5E	0	3.8b,4.5L		¶97ii3903
ISC	**III**	**08 02 17 49**±3.1	**4.6S**±.13	**145.1E**±.37	**146**±22	**4.0b**	**9**	**2-85**
EIDC	III	08 02 17 34.0	4.4S	145.4E	0	4.2b,4.3L		¶97iii1642
NEIC	III	08 02 17 37.4	4.40S	145.25E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**15 12 44 15**±2.2	**3.3S**±.19	**145.7E**±.58	**33**	**3.8b**	**5**	**20-68**
EIDC	III	15 12 44 12.4	3.3S	145.8E	0	3.8b		¶97iii3054
ISC	**III**	**16 06 23 48**±1.2	**3.79S**±.055	**145.32E**±.090	**54**±11	**4.7b**	**43**	**2-98**
BJI	III	16 06 23 41.4	3.94S	145.85E	26	4.9b		¶97iii3181
NEIC	III	16 06 23 46.3	3.81S	145.19E	33	5.0b		
MOS	III	16 06 23 47.2	3.7S	144.7E	33	5.0b		
EIDC	III	16 06 24 03.8	3.9S	144.2E	176	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**17 15 34 03**±1.5	**3.6S**±.16	**145.0E**±.18	**33**	**3.6b**	**6**	**3-84**
EIDC	III	17 15 33 57.0	5.2S	147.8E	0	3.5b,4.3L		¶97iii3394
ISC	**III**	**20 21 22 43**±2.7	**3.57S**±.079	**144.4E**±.13	**17**±19	**3.8b**,3.5s	**16**	**1-98**
NEIC	III	20 21 22 45.3	3.60S	144.40E	33	4.0b		¶97iii3955
EIDC	III	20 21 22 45.6	3.5S	144.5E	22	3.7b,3.6L		
ISC	**IV**	**22 12 43 20.8**±.94	**2.6S**±.10	**141.31E**±.099	**65**±9.5	**3.9b**	**11**	**1-99**
EIDC	IV	22 12 43 13.8	2.9S	142.3E	0	3.5b,3.9L		¶97iv3733
NEIC	IV	22 12 43 20.7	2.54S	141.35E	65	3.6b		
NEIC	Less reliable solution.							
ISC	**V**	**06 00 44 26**±1.1	**3.08S**±.099	**142.30E**±.082	**35**±13	**4.1b**	**20**	**1-147**
EIDC	V	06 00 44 22.6	3.1S	142.2E	0	4.0b,4.3L		¶97v0871
NEIC	V	06 00 44 25.9	3.17S	142.34E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**12 11 26 28**±1.4	**4.44S**±.099	**144.4E**±.22	**111**±9.7	**3.8b**	**11**	**1-85**
EIDC	V	12 11 26 15.6	3.9S	144.0E	0	3.9b,4.2L		¶97v1946
NEIC	V	12 11 26 28.5	4.45S	144.32E	111	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**17 10 52 54**±1.3	**3.5S**±.15	**143.0E**±.12	**78**±15	**3.3b**	**12**	**1-28**
EIDC	V	17 10 52 45.3	3.4S	142.8E	0	3.3b,3.7L		¶97v2915
NEIC	V	17 10 52 52.0	3.38S	142.85E	81	3.6b		
NEIC	Poor solution.							
EIDC	**VI**	**06 23 19 33.0**	**4.1S**	**144.6E**	**0**	3.7b,4.0L		**4-85**
								¶97vi1014
ISC	**VI**	**07 12 36 08**±1.1	**4.0S**±.13	**143.5E**±.23	**33**	**3.7b**	**6**	**0-68**
EIDC	VI	07 12 36 05.4	4.0S	143.7E	0	3.7b,4.2L		¶97vi1097
EIDC	**VI**	**08 18 52 54.8**	**3.1S**	**142.3E**	**0**	3.3b,3.8L		**19-85**
								¶97vi1275
ISC	**VI**	**09 17 58 41**±1.8	**2.6S**±.35	**141.9E**±.83	**0**	**3.7b**	**4**	**19-84**
EIDC	VI	09 17 58 42.5	2.6S	142.1E	0	3.6b,3.4L		¶97vi1427
ISC	Poorly determined							
ISC	**VI**	**13 12 50 24**±1.0	**4.65S**±.092	**144.7E**±.15	**33**	**3.6b**	**7**	**1-85**
EIDC	VI	13 12 50 21.1	4.5S	144.6E	0	3.0b,3.4L		¶97vi1989
NEIC	VI	13 12 50 23.9	4.59S	144.62E	33	3.0b		
NEIC	Less reliable solution.							
EIDC	**VI**	**23 17 06 10.1**	**2.3S**	**142.6E**	**0**	3.7b,3.7L		**19-84**
								¶97vi3562

(201) West Irian.

ISC	**I**	**01 07 56 58**±8.1	**4.4S**±.77	**140.0E**±.17	**33**		**5**	**2-20**
NEIC	I	01 07 56 58.1	4.43S	140.03E	33	3.4b		¶97i0039
NEIC	Poor solution.							
ISC	**I**	**01 10 24 22**±7.7	**2.2S**±.77	**138.5E**±.51	**33**	**3.6b**	**6**	**12-30**
EIDC	I	01 10 24 16.3	1.9S	138.0E	0	3.6b,3.9L		¶97i0058
NEIC	I	01 10 24 21.5	2.23S	138.46E	33	3.4b		
NEIC	Poor solution.							
ISC	**I**	**07 19 53 50**±2.1	**2.33S**±.072	**138.7E**±.11	**55**±21	**4.3b**	**30**	**4-148**
EIDC	I	07 19 53 43.3	2.3S	139.0E	0	4.2b,4.4L		¶97i0971
NEIC	I	07 19 53 49.1	2.31S	138.59E	50	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**07 20 39 53**±2.2	**2.34S**±.079	**138.7E**±.11	**65**±22	**4.1b**	**28**	**4-148**
EIDC	I	07 20 39 44.9	2.2S	139.1E	0	4.1b,4.2L		¶97i0974
BJI	I	07 20 39 51.0	2.30S	138.70E	50	4.5b		
NEIC	I	07 20 39 51.4	2.30S	138.66E	50	4.2b		
NEIC	Less reliable solution.							
ISC	**I**	**10 10 41 58**±3.6	**2.4S**±.19	**138.3E**±.55	**33**	**3.6b**	**6**	**12-44**
EIDC	I	10 10 41 39.4	1.8S	140.9E	0	3.6b,4.1L		¶97i1348
NEIC	I	10 10 41 53.9	2.30S	138.86E	33	3.6b		
NEIC	Poor solution.							
ISC	**I**	**11 00 29 07**±1.2	**3.9S**±.13	**140.3E**±.12	**33**	**4.0b**	**14**	**2-67**
EIDC	I	11 00 29 04.0	4.0S	140.6E	0	4.3b,4.6L		¶97i1442
EIDC	**I**	**12 23 21 44.1**	**4.7S**	**140.8E**	**0**	3.6b,4.2L		**1-87**
								¶97i1751
EIDC	**I**	**22 21 30 10.9**	**2.6S**	**138.7E**	**0**	3.5b,3.6L		**18-29**
								¶97i3385
ISC	**I**	**23 00 51 14**±1.2	**3.07S**±.043	**136.55E**±.057	**51**±12	**5.0b,4.7s**	**101**	**4-149**
EIDC	I	23 00 51 07.9	3.0S	136.7E	0	4.9b,4.3L		¶97i3414
MOS	I	23 00 51 13.0	3.1S	136.5E	48	5.6b		
BJI	I	23 00 51 13.8	3.12S	137.04E	70	5.5b,4.7s		
NEIC	I	23 00 51 14.1	3.02S	136.48E	54	4.9b		
ISC	**I**	**23 19 07 04**±1.2	**3.28S**±.049	**138.80E**±.068	**73**±12	**4.3b**	**51**	**2-147**
NEIC	I	23 19 06 59.9	3.20S	138.67E	33	5.1b		¶97i3540
BJI	I	23 19 07 02.6	2.69S	138.97E	33			
EIDC	I	23 19 07 03.3	3.2S	138.8E	46	4.0b,3.9s		
ISC	**I**	**23 21 53 15**±1.0	**3.06S**±.097	**136.7E**±.29	**33**	**3.7b**	**8**	**17-87**
EIDC	I	23 21 53 12.0	3.0S	136.9E	0	4.0b,4.0L		¶97i3554
NEIC	I	23 21 53 15.2	3.03S	136.72E	33	3.9b		
NEIC	Poor solution.							
ISC	**I**	**24 12 05 11**±3.5	**3.8S**±.34	**137.8E**±.40	**33**	**4.0b**	**9**	**10-75**
EIDC	I	24 12 05 03.4	3.3S	137.4E	0	4.1b,4.2L		¶97i3645
ISC	**I**	**24 22 51 44**±1.1	**3.43S**±.076	**140.0E**±.17	**41**±15	**3.8b**	**17**	**1-146**
EIDC	I	24 22 51 40.6	3.7S	140.6E	0	3.9b,4.2L		¶97i3699
ISC	**I**	**25 04 19 48**±2.9	**3.8S**±.25	**140.9E**±.57	**114**±34	3.7b	**8**	**2-86**
NEIC	I	25 04 19 46.4	3.79S	140.70E	100	3.8b		¶97i3737
EIDC	I	25 04 19 48.7	4.4S	141.1E	118	3.4b		
NEIC	Poor solution.							
ISC	**I**	**29 06 41 35**±7.6	**4.5S**±.74	**139.7E**±.19	**33**		**5**	**2-20**
								¶97i4311
ISC	**I**	**29 12 13 55.9**±.95	**4.72S**±.084	**138.8E**±.21	**50**	**3.8b**	**13**	**3-146**
EIDC	I	29 12 13 51.6	4.7S	138.7E	0	3.8b,3.9L		¶97i4349
EIDC	I	29 12 13 55.9	4.75S	138.75E	50	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**31 00 12 51.6**±.95	**2.85S**±.096	**138.6E**±.17	**33**	**4.0b**	**9**	**4-86**
EIDC	I	31 00 12 47.9	3.0S	139.5E	0	4.0b,4.1L		¶97i4571
NEIC	I	31 00 12 51.5	2.85S	138.59E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**II**	**03 04 33 35.7**±.76	**3.85S**±.071	**140.6E**±.24	**100**	3.1b	**8**	**1-86**
EIDC	II	03 04 33 24.3	4.1S	142.1E	0	3.3b,3.6L		¶97ii0317
EIDC	**II**	**04 08 45 25.5**	**4.4S**	**137.9E**	**0**	3.4L,4.0b		**16-28**
								¶97ii0490
ISC	**II**	**07 19 45 39**±2.1	**3.13S**±.081	**140.7E**±.50	**33**	4.1b	**6**	**1-66**
EIDC	II	07 19 45 29.1	3.0S	142.5E	0	4.1b,3.4L		¶97ii1028
ISC	**II**	**07 20 27 12.1**±.58	**3.61S**±.065	**140.2E**±.16	**33**	**3.7b**	**16**	**1-145**
EIDC	II	07 20 27 11.5	3.7S	139.7E	0	3.9b,4.2L		¶97ii1032
NEIC	II	07 20 27 14.0	3.70S	139.92E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**08 18 16 00**±1.2	**2.3S**±.13	**138.9E**±.11	**33**	**3.4b**	**7**	**2-41**
EIDC	II	08 18 15 58.3	2.3S	138.6E	0	3.6b,3.5L		¶97ii1182
ISC	**II**	**12 21 14 04**±2.6	**4.5S**±.11	**139.2E**±.43	**43**±41	**3.6b**	**10**	**2-67**
EIDC	II	12 21 13 59.9	4.4S	139.4E	0	3.6b,3.6L		¶97ii1821
NEIC	II	12 21 14 02.7	4.50S	139.30E	33	3.5b		
NEIC	Poor solution.							
ISC	**II**	**25 06 49 08**±1.5	**4.8S**±.21	**140.8E**±.50	**33**	4.1b	**11**	**11-146**
EIDC	II	25 06 49 04.1	4.1S	139.2E	0	4.0b,4.1L		¶97ii3596
NEIC	II	25 06 49 08.7	4.60S	140.25E	33	4.2b		
NEIC	Poor solution.							
ISC	**II**	**28 05 30 48**±3.5	**3.7S**±.11	**138.5E**±.13	**54**±35	**4.3b**	**16**	**10-87**
EIDC	II	28 05 30 50.2	3.8S	138.4E	51	4.2b,4.5L		¶97ii4140
NEIC	II	28 05 30 53.1	3.86S	138.54E	100	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**02 03 12 52**±10	**3.9S**±.96	**138.2E**±.33	**33**	3.7b	**7**	**10-28**
EIDC	III	02 03 12 52.6	4.2S	138.1E	0	4.1L,4.0b		¶97iii0232
ISC	**III**	**08 09 58 49**±2.9	**2.4S**±.12	**138.7E**±.19	**65**±26	**4.3b**	**17**	**4-148**
NEIC	III	08 09 58 45.3	2.36S	138.79E	33	4.7b		¶97iii1727
EIDC	III	08 09 58 48.0	2.4S	138.7E	43	4.0b,4.8L		
NEIC	Less reliable solution.							
ISC	**III**	**09 21 38 48**±2.2	**4.59S**±.091	**140.5E**±.19	**113**±28	**4.2b**	**27**	**3-146**
EIDC	III	09 21 38 39.0	4.4S	140.1E	0	4.4b,4.7L		¶97iii2094
MOS	III	09 21 38 43.5	4.5S	140.3E	59	4.9b		
BJI	III	09 21 38 46.7	4.62S	140.40E	99			
NEIC	III	09 21 38 47.2	4.58S	140.52E	100	4.8b		
EIDC	**III**	**10 10 16 23.9**	**2.2S**	**138.6E**	**0**	3.7b,3.6L		**18-39**
								¶97iii2190

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**10 17 18 40.7**±.44	**3.60S**±.060	**139.98E**±.097	**33**	**4.1b**,3.5s	**27**	**2-151**
EIDC	III	10 17 18 36.8	3.6S	140.1E	0	4.2b,3.8s		¶97iii2250
BJI	III	10 17 18 38.1	3.72S	140.40E	29			
NEIC	III	10 17 18 40.1	3.62S	140.19E	33	4.6b		
MOS	III	10 17 18 40.2	3.6S	140.3E	33	5.0b		
EIDC	**III**	**23 04 43 09.2**	**2.2S**	**138.6E**	**0**	3.2b,3.5L		**18-85**
								¶97iii4392
ISC	**III**	**23 06 49 20**±4.6	**2.26S**±.073	**138.43E**±.098	**19**±35	**4.3b**	**28**	**2-148**
BJI	III	23 06 49 21.7	2.34S	138.37E	34	4.7b		¶97iii4409
MOS	III	23 06 49 22.0	2.3S	138.3E	33	4.9b		
NEIC	III	23 06 49 22.0	2.33S	138.49E	33	4.6b		
EIDC	III	23 06 49 25.1	2.4S	138.2E	38	3.9b,4.3L		
ISC	**III**	**29 18 24 56.3**±.66	**4.29S**±.077	**139.70E**±.067	**33**	**4.1b**	**31**	**2-146**
MOS	III	29 18 24 54.7	4.2S	139.7E	33	5.1b		¶97iii5632
NEIC	III	29 18 24 55.0	4.23S	139.84E	33	5.1b		
EIDC	III	29 18 24 55.7	4.3S	139.7E	20	3.7b,4.5L		
BJI	III	29 18 24 57.7	4.34S	140.15E	23	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**18 20 32 30.8**±.96	**2.89S**±.065	**138.75E**±.077	**82**±11	**4.0b**	**28**	**2-160**
EIDC	IV	18 20 32 28.7	2.6S	138.9E	41	3.8b,3.4s		¶97iv3116
BJI	IV	18 20 32 31.8	2.81S	139.27E	101			
NEIC	IV	18 20 32 32.3	2.92S	138.66E	95	4.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 04 02 48**±3.2	**2.1S**±.16	**138.9E**±.62	**187**±40	**3.7b**	**9**	**2-38**
EIDC	IV	24 04 02 30.3	2.0S	140.1E	0	3.8b,3.5L		¶97iv4077
ISC	**IV**	**25 07 04 11.6**±.90	**3.62S**±.097	**139.5E**±.13	**33**	**3.8b**	**16**	**1-146**
EIDC	IV	25 07 04 09.1	3.7S	138.9E	0	4.0b,4.2L		¶97iv4303
NEIC	IV	25 07 04 12.3	3.70S	139.51E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**V**	**01 01 45 14**±2.2	**3.10S**±.094	**136.9E**±.15	**50**±22	**3.9b**	**18**	**4-149**
EIDC	V	01 01 45 09.1	3.0S	137.0E	0	4.0b		¶97v0013
NEIC	V	01 01 45 11.7	3.00S	137.03E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**01 03 59 08.4**±.64	**3.96S**±.072	**138.56E**±.082	**33**	**4.1b**	**15**	**2-87**
EIDC	V	01 03 59 05.7	3.9S	138.4E	0	4.0b,4.0L		¶97v0025
NEIC	V	01 03 59 08.7	4.03S	138.54E	33	4.3b		
NEIC	Less reliable solution.							
EIDC	**V**	**05 23 41 51.6**	**3.1S**	**140.9E**	**0**	3.8b,3.6L		**2-29**
								¶97v0868
ISC	**V**	**11 00 54 19.1**±.85	**3.3S**±.11	**139.9E**±.23	**104**±11	**3.7b**	**15**	**1-145**
NEIC	V	11 00 54 18.4	3.26S	139.93E	100	4.1b		¶97v1694
EIDC	V	11 00 54 20.7	3.2S	139.8E	112	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**13 20 21 25**±2.2	**3.09S**±.067	**136.98E**±.093	**57**±22	**4.5b**	**37**	**5-149**
MOS	V	13 20 21 22.7	3.1S	137.0E	38	5.1b		¶97v2316
EIDC	V	13 20 21 25.8	3.0S	137.0E	44	4.2b,4.2L		
NEIC	V	13 20 21 27.3	3.11S	136.93E	77	4.7b		
BJI	V	13 20 21 27.5	2.66S	137.20E	65	4.9b		
ISC	**V**	**14 16 29 51**±6.2	**3.1S**±.59	**139.5E**±.40	**33**	**3.5b**	**6**	**17-29**
EIDC	V	14 16 29 53.7	3.8S	139.7E	0	3.6b,4.1L		¶97v2483
NEIC	V	14 16 29 56.9	3.74S	139.35E	33	3.6b		
NEIC	Poor solution.							
ISC	**V**	**18 18 36 00**±1.3	**2.9S**±.14	**139.0E**±.15	**33**	**3.8b**,3.6s	**11**	**2-86**
EIDC	V	18 18 35 56.6	2.7S	138.4E	0	3.9b,3.5s		¶97v3131
NEIC	V	18 18 36 00.3	2.90S	138.95E	33	3.8b		
NEIC	Poor solution.							
ISC	**V**	**20 15 56 50.3**±.77	**3.19S**±.074	**136.1E**±.11	**33**	**3.8b**	**15**	**4-87**
EIDC	V	20 15 56 47.7	3.1S	136.3E	0	3.9b,3.7L		¶97v3430
NEIC	V	20 15 56 50.3	3.12S	136.18E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**21 11 34 21.1**±.54	**4.70S**±.067	**139.86E**±.072	**33**	**4.2b,3.6s**	**25**	**2-145**
EIDC	V	21 11 34 18.0	4.5S	139.8E	0	4.0b,3.5s		¶97v3557
BJI	V	21 11 34 21.0	4.60S	139.80E	33	4.9b		
NEIC	V	21 11 34 21.0	4.55S	139.80E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**26 08 29 25**±1.6	**3.0S**±.10	**139.4E**±.15	**57**±21	**4.4b**	**13**	**1-86**
EIDC	V	26 08 29 18.3	3.0S	139.3E	0	4.2b,3.0s		¶97v4390
NEIC	V	26 08 29 22.7	2.88S	138.80E	33	4.3b		
NEIC	Poor solution.							
EIDC	**VI**	**04 07 27 54.8**	**4.2S**	**139.9E**	**0**	3.6b,3.8L		**2-87**
								¶97vi0573
ISC	**VI**	**10 03 58 09**±4.5	**4.09S**±.057	**138.79E**±.079	**15**±29	**4.6b,4.1s**	**45**	**2-159**
NEIC	VI	10 03 58 11.6	4.12S	138.76E	33	4.7b,4.3s		¶97vi1476
BJI	VI	10 03 58 12.1	4.30S	138.77E	29	4.5b		
MOS	VI	10 03 58 13.2	4.3S	138.7E	33	5.3b		
EIDC	VI	10 03 58 14.1	4.1S	138.7E	35	4.1b,4.0s		
NEIC	Less reliable solution.							
NEIC	Felt strongly at Wamena.							
ISC	**VI**	**12 19 58 08.0**±.63	**3.02S**±.086	**139.20E**±.095	**33**	**4.0b**,2.5s	**18**	**1-147**
EIDC	VI	12 19 58 03.4	2.9S	139.4E	0	3.2s,4.0b		¶97vi1891
NEIC	VI	12 19 58 08.0	3.02S	139.18E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**17 15 02 08.2**±.72	**3.75S**±.094	**140.60E**±.094	**76**±20	3.7b	**18**	**1-86**
EIDC	VI	17 15 02 12.5	4.6S	140.1E	0	4.1L,3.7b		¶97vi2648
NEIC	VI	17 15 02 15.5	4.65S	140.26E	33	4.2b		
NEIC	Poor solution.							
EIDC	**VI**	**22 19 24 23.1**	**2.1S**	**137.6E**	**0**	4.0b,3.9L		**3-30**
								¶97vi3425
ISC	**VI**	**25 00 04 46**±1.4	**2.3S**±.14	**138.4E**±.19	**33**	**3.8b**	**9**	**2-86**
EIDC	VI	25 00 04 43.5	2.7S	140.0E	0	3.8b,4.1L		¶97vi3802
NEIC	VI	25 00 04 45.5	2.27S	138.36E	33			
NEIC	Less reliable solution.							
ISC	**VI**	**26 23 27 10**±2.4	**3.05S**±.042	**136.78E**±.051	**23**±19	**4.8b,4.0s**	**83**	**4-152**
BJI	VI	26 23 27 10.3	2.92S	137.17E	29	4.9b		¶97vi4210
MOS	VI	26 23 27 11.0	2.9S	137.1E	33	5.0b		
NEIC	VI	26 23 27 11.0	2.98S	136.91E	33	5.0b		
EIDC	VI	26 23 27 13.6	3.0S	137.1E	44	4.5b,4.0s		
ISC	**VI**	**30 22 10 30**±1.2	**5.33S**±.076	**140.8E**±.16	**34**±21	**4.2b**	**10**	**0-68**
EIDC	VI	30 22 10 26.7	5.1S	140.6E	0	3.8L,4.3b		¶97vi4829
NEIC	VI	30 22 10 29.7	5.28S	140.72E	33	3.7b		
NEIC	Poor solution.							

(202) New Guinea.

ISC	**I**	**02 20 09 02.2**±.54	**4.30S**±.032	**143.53E**±.050	**101**±6.1	**4.8b**	**116**	**1-157**
BJI	I	02 20 09 00.4	4.41S	143.74E	99	5.2b		¶97i0266
EIDC	I	02 20 09 01.5	4.4S	143.7E	88	4.3b		
NEIC	I	02 20 09 01.8	4.24S	143.51E	98	4.9b		
MOS	I	02 20 09 02.6	4.2S	143.7E	110	5.0b		
HRVD	I	02 20 09 04.4±.9	4.45S±.07	143.46E±.10	84±5.9			
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c21; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.29±.41; $M_{\theta\theta}$−6.28±.56; $M_{\phi\phi}$4.99±.72; $M_{r\theta}$−0.56±.51; $M_{r\phi}$3.26±.39; $M_{\theta\phi}$2.08±.54. Principal Axes: T 7.07,Plg29°,Azm278°; N −0.24, Plg60°,Azm118°; P −6.83,Plg9°,Azm13°. Best double couple: $M_0$6.9×10^{16}Nm, NP1:ϕ_S59°, δ63°,λ15°. NP2:ϕ_S322°,δ77°,λ152°.							
ISC	**I**	**08 13 12 23.2**±.66	**4.55S**±.072	**143.92E**±.073	**96**±8.9	**4.1b**	**24**	**1-149**
EIDC	I	08 13 12 20.5	4.5S	143.0E	0	4.1b,4.4L		¶97i1067
NEIC	I	08 13 12 23.1	4.54S	143.93E	94	4.3b		
NEIC	Less reliable solution.							
ISC	**I**	**08 14 06 30.8**±.97	**3.9S**±.11	**141.2E**±.13	**73**±19	3.4b	**10**	**1-28**
EIDC	I	08 14 06 24.0	3.7S	141.3E	0	3.7b,4.3L		¶97i1073
NEIC	I	08 14 06 30.7	3.84S	141.19E	85	3.8b		
NEIC	Less reliable solution.							
ISC	**I**	**09 16 21 49**±1.5	**6.20S**±.056	**142.17E**±.055	**18**±14	**4.6b**	**22**	**1-66**
BJI	I	09 16 21 50.8	6.20S	142.20E	20	4.9b		¶97i1245
NEIC	I	09 16 21 50.8	6.19S	142.21E	33	4.2b		
ISC	**I**	**09 18 13 24**±2.0	**6.15S**±.047	**142.18E**±.055	**16**±16	**4.6b**	**47**	**1-84**
BJI	I	09 18 13 22.3	6.28S	143.02E	33	4.9b		¶97i1260
EIDC	I	09 18 13 24.1	6.1S	141.9E	0	4.2b,3.8L		
NEIC	I	09 18 13 26.2	6.17S	142.18E	33	4.5b		
ISC	**I**	**13 06 05 53.8**±.98	**6.2S**±.12	**142.2E**±.13	**33**	**3.8b**	**11**	**1-88**
EIDC	I	13 06 05 49.1	6.1S	142.3E	0	3.9L,3.9b		¶97i1785
ISC	**I**	**16 04 07 27.6**±.94	**6.11S**±.068	**142.20E**±.082	**39**±13	**4.4b**	**16**	**1-87**
EIDC	I	16 04 07 22.2	6.2S	143.0E	0	4.4b,3.8L		¶97i2256
NEIC	I	16 04 07 27.1	6.11S	142.19E	33	4.0b		
ISC	**I**	**16 12 30 34**±1.5	**3.7S**±.14	**141.0E**±.38	**33**	3.4b	**4**	**17-40**
EIDC	I	16 12 30 30.9	3.7S	140.9E	0	3.4b,3.7L		¶97i2310
ISC	Poorly determined							
EIDC	**I**	**26 10 08 02.5**	**3.4S**	**141.8E**	**0**	3.6b,3.8L		**18-28**
								¶97i3925
ISC	**I**	**30 18 25 57**±1.9	**6.3S**±.10	**141.8E**±.26	**33**	**3.9b**	**10**	**1-88**
EIDC	I	30 18 25 49.3	5.8S	141.6E	0	3.7L,3.8b		¶97i4522
NEIC	I	30 18 25 56.8	6.24S	141.85E	33	3.7b		
NEIC	Poor solution.							
ISC	**I**	**30 23 36 43**±2.1	**3.7S**±.19	**141.8E**±.70	**33**	**3.5b**	**4**	**18-67**
EIDC	I	30 23 36 40.3	3.7S	141.8E	0	3.6b,3.7L		¶97i4562
ISC	Poorly determined							
ISC	**II**	**01 15 18 54.5**±.86	**5.29S**±.099	**143.1E**±.12	**130**±11	3.6b	**9**	**1-86**
EIDC	II	01 15 18 40.1	3.5S	140.0E	0	3.6b,3.6L		¶97ii0091
ISC	**II**	**05 05 16 25**±1.0	**4.08S**±.068	**141.1E**±.21	**91**±12	3.6b	**12**	**1-86**
EIDC	II	05 05 16 15.3	4.3S	142.4E	0	3.4b,3.8L		¶97ii0641
EIDC	**III**	**03 15 50 47.9**	**3.5S**	**141.3E**	**0**	3.3b,4.2L		**2-85**
								¶97iii0632
ISC	**III**	**08 12 11 40.2**±.70	**5.27S**±.057	**144.95E**±.070	**67**±7.6	**4.3b**	**33**	**1-150**
NEIC	III	08 12 11 36.7	5.19S	144.89E	33	4.4b		¶97iii1744
BJI	III	08 12 11 37.5	5.16S	144.69E	33			
EIDC	III	08 12 11 40.7	5.3S	144.9E	50	4.0b,3.5s		
NEIC	Less reliable solution.							
ISC	**III**	**09 17 46 39**±2.5	**6.4S**±.10	**144.4E**±.35	**26**±13	**3.7b**	**11**	**0-87**
EIDC	III	09 17 46 36.4	6.5S	144.7E	0	3.7b,3.7L		¶97iii2035
NEIC	III	09 17 46 39.7	6.49S	144.41E	33	3.7b		
NEIC	Poor solution.							
ISC	**III**	**13 05 56 48**±1.0	**4.37S**±.085	**143.79E**±.089	**96**±12	**4.1b**	**24**	**2-149**
BJI	III	13 05 56 36.6	5.27S	144.59E	78	4.3b		¶97iii2653
NEIC	III	13 05 56 46.1	4.34S	143.82E	78	4.1b		
EIDC	III	13 05 56 48.2	4.3S	143.9E	82	3.9b		
ISC	**III**	**13 07 27 27.4**±.96	**5.01S**±.064	**144.52E**±.077	**79**±9.5	**4.2b**	**42**	**1-150**
NEIC	III	13 07 27 29.0	5.13S	144.67E	100	4.4b		¶97iii2665
EIDC	III	13 07 27 29.3	5.1S	144.7E	88	4.0b		
ISC	**III**	**13 20 41 22.3**±.58	**4.22S**±.029	**143.03E**±.044	**123**±5.9	**5.4b**	**226**	**2-157**
BJI	III	13 20 41 21.5	4.51S	143.42E	149	5.3b		¶97iii2763
NEIC	III	13 20 41 21.5	4.22S	143.04E	118	5.6b		
MOS	III	13 20 41 22.1	4.2S	143.1E	123	5.4b		
EIDC	III	13 20 41 22.5	4.2S	143.1E	116	4.9b,4.4s		
HRVD	III	13 20 41 25.5±.3	4.26S±.04	142.90E±.05	108±3.4			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c38; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.06; $M_{\theta\theta}$−0.51±.07; $M_{\phi\phi}$−0.36±.11; $M_{r\theta}$1.38±.06; $M_{r\phi}$0.12±.05; $M_{\theta\phi}$0.19±.08. Principal Axes: T 1.74,Plg58°,Azm350°; N −0.37, Plg8°,Azm92°; P −1.37,Plg31°,Azm187°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S301°, δ16°,λ120°. NP2:ϕ_S90°,δ76°,λ82°.							
EIDC	**III**	**18 13 10 59.5**	**3.8S**	**142.0E**	**0**	3.3b,4.2L		**18-86**
								¶97iii3537
ISC	**III**	**18 13 43 23**±1.9	**6.7S**±.21	**141.8E**±.58	**33**	3.6b	**4**	**15-72**
EIDC	III	18 13 43 19.2	6.7S	142.1E	0	3.2L,3.7b		¶97iii3545
ISC	Poorly determined							
ISC	**III**	**27 17 01 40.0**±.51	**5.44S**±.062	**142.41E**±.078	**33**	**4.1b,3.7s**	**25**	**1-87**
EIDC	III	27 17 01 37.4	5.3S	142.4E	0	4.0b,3.5s		¶97iii5266
BJI	III	27 17 01 38.4	5.86S	142.40E	5	4.6b		
NEIC	III	27 17 01 39.7	5.43S	142.40E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**28 07 52 17**±2.1	**5.2S**±.11	**144.1E**±.12	**38**±22	**4.2b**,3.3s	**13**	**3-120**
EIDC	III	28 07 52 14.4	5.2S	144.0E	0	4.2b,3.7L		¶97iii5382
NEIC	III	28 07 52 21.7	5.44S	144.30E	100	4.0b		
NEIC	Less reliable solution.							
ISC	**III**	**31 22 03 53.9**±.79	**4.32S**±.078	**143.16E**±.099	**112**±9.2	**4.1b**	**18**	**1-49**
NEIC	III	31 22 03 55.6	4.39S	142.89E	118	4.5b		¶97iii5939
EIDC	III	31 22 03 59.0	4.5S	142.9E	137	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**11 08 56 58.5**±.71	**3.57S**±.036	**141.15E**±.049	**41**±7.1	**4.7b,4.1s**	**88**	**1-146**
EIDC	IV	11 08 56 53.2	3.7S	141.2E	0	4.5b,4.0s		¶97iv1846
MOS	IV	11 08 56 58.5	3.7S	141.0E	50	5.1b		
BJI	IV	11 08 57 00.7	3.84S	141.24E	84	4.9b		
NEIC	IV	11 08 57 01.2	3.69S	141.21E	70	4.9b		
EIDC	**IV**	**12 14 48 08.4**	**3.7S**	**141.7E**	**0**	**3.5b**		**13-85**
								¶97iv2081
EIDC	**IV**	**13 11 06 03.2**	**4.3S**	**141.5E**	**0**	3.7b,4.3L		**1-27**
								¶97iv2229
EIDC	**IV**	**16 05 22 30.6**	**5.6S**	**141.1E**	**0**	3.4L,3.9b		**0-26**
								¶97iv2700
ISC	**IV**	**19 01 29 42**±1.1	**6.96S**±.099	**145.1E**±.10	**48**±13	**4.0b**	**12**	**1-79**
EIDC	IV	19 01 29 28.8	7.4S	147.4E	0	4.2b,4.3L		¶97iv3137
NEIC	IV	19 01 29 41.9	6.96S	145.08E	48	4.2b		
NEIC	Less reliable solution.							
EIDC	**IV**	**21 18 41 53.7**	**6.0S**	**143.5E**	**0**	4.1b,3.5L		**17-142**
								¶97iv3554
ISC	**IV**	**26 16 17 57.9**±.81	**6.98S**±.069	**145.09E**±.070	**46**±10	**3.9b**	**19**	**1-87**
EIDC	IV	26 16 17 53.0	6.9S	145.3E	0	3.9b,4.0L		¶97iv4576
NEIC	IV	26 16 17 57.0	7.02S	145.08E	33	4.2b		

ISC	**IV**	**28 02 05 31**±1.3	**5.90S**±.066	**142.3E**±.13	**38**±13	**4.2b**	**18**	**1-87**
EIDC	IV	28 02 05 26.4	5.8S	142.9E	0	4.1b,3.6L		**¶97iv4828**
BJI	IV	28 02 05 29.5	6.07S	142.61E	43	4.6b		
NEIC	IV	28 02 05 30.2	5.94S	142.29E	33	4.4b		
NEIC	Less reliable solution.							
EIDC	**V**	**05 02 06 52.5**	**5.0S**	**141.6E**	**0**	3.7b,3.6L		**3-87**
								¶97v0727
ISC	**V**	**05 07 50 59.0**±.51	**4.48S**±.039	**143.30E**±.045	**92**±5.6	**4.5b**	**78**	**1-148**
MOS	V	05 07 50 57.4	4.4S	143.2E	78	5.1b		**¶97v0758**
NEIC	V	05 07 50 58.8	4.45S	143.28E	92	4.8b		
EIDC	V	05 07 50 58.8	4.5S	143.4E	78	4.1b,3.9s		
BJI	V	05 07 50 59.2	4.53S	143.87E	109	4.6b		
ISC	**V**	**14 14 58 31**±3.1	**6.5S**±.33	**145.4E**±.16	**46**	3.3b	**5**	**1-25**
EIDC	V	14 14 58 24.3	5.7S	145.8E	46	3.5L,2.9b		**¶97v2464**
ISC	**V**	**14 22 41 04**±1.2	**3.9S**±.10	**141.6E**±.10	**124**±11	**4.0b**	**21**	**2-144**
NEIC	V	14 22 41 04.4	3.88S	141.57E	124	4.4b		**¶97v2513**
EIDC	V	14 22 41 06.1	4.0S	141.5E	123	3.5b		
NEIC	Less reliable solution.							
EIDC	**V**	**15 00 16 30.6**	**5.7S**	**142.8E**	**0**	3.4L,3.3b		**4-49**
								¶97v2527
ISC	**V**	**19 01 16 44.8**±.55	**5.31S**±.060	**142.84E**±.082	**137**±8.0	**4.0b**	**17**	**2-87**
NEIC	V	19 01 16 41.4	5.22S	142.62E	100	4.1b		**¶97v3175**
EIDC	V	19 01 16 46.6	5.4S	142.8E	152	3.8b		
NEIC	Less reliable solution.							
ISC	**VI**	**04 23 35 46**±1.5	**4.1S**±.25	**142.0E**±.27	**100**	3.9b	**9**	**1-86**
EIDC	VI	04 23 35 35.4	4.0S	142.5E	0	3.7b,4.3L		**¶97vi0684**
ISC	**VI**	**19 03 41 51**±2.3	**5.2S**±.11	**141.9E**±.23	**43**±28	**4.1b**	**11**	**2-147**
EIDC	VI	19 03 41 47.7	5.1S	142.1E	0	4.1b,3.9L		**¶97vi2868**
NEIC	VI	19 03 41 50.3	5.20S	141.96E	33	4.2b		
NEIC	Less reliable solution.							

(203) Bismarck Sea.

ISC	**I**	**04 17 18 55**±1.2	**3.7S**±.11	**146.2E**±.22	**33**	**4.0b**	**13**	**16-84**
EIDC	I	04 17 18 50.8	3.3S	145.6E	0	3.9b,4.5L		**¶97i0564**
NEIC	I	04 17 18 54.0	3.33S	145.54E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**I**	**18 23 52 43**±1.3	**3.2S**±.27	**147.3E**±.48	**33**	**3.7b**	**6**	**21-97**
EIDC	I	18 23 52 39.0	3.4S	147.7E	0	3.7b		**¶97i2740**
NEIC	I	18 23 52 43.0	3.25S	147.35E	33	3.6b		
NEIC	Poor solution.							
EIDC	**I**	**21 00 33 43.5**	**4.3S**	**149.4E**	**0**	**3.7b**		**4-28**
								¶97i3110
ISC	**I**	**29 02 34 09**±3.4	**4.8S**±.33	**148.3E**±.40	**92**±28	3.5b	**6**	**2-97**
								¶97i4287
ISC	**I**	**30 10 42 07.4**±.67	**3.5S**±.13	**149.8E**±.16	**33**	**4.2b**	**13**	**1-96**
EIDC	I	30 10 42 01.4	5.1S	152.1E	0	4.0b		**¶97i4472**
NEIC	I	30 10 42 07.3	3.51S	149.76E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**II**	**06 16 08 58**±1.3	**3.22S**±.053	**148.50E**±.074	**35**±13	**4.6b,4.8s**	**59**	**3-155**
NEIC	II	06 16 08 58.0	3.22S	148.47E	33	4.8b,4.8s		**¶97ii0870**
MOS	II	06 16 08 58.1	3.1S	148.5E	33	5.3b		
BJI	II	06 16 08 58.3	3.01S	148.63E	35	5.1b,4.9s		
HRVD	II	06 16 08 58.4±.6	3.21S±.05	148.71E±.06	21±5.1			
EIDC	II	06 16 09 00.6	3.3S	148.6E	43	4.1b,4.6s		
NEIC	Mw5.3(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c36; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}1.22±.30; $M_{\theta\theta}$3.46±.40; $M_{\phi\phi}$−4.68±.42; $M_{r\theta}$−0.46±1.05; $M_{r\phi}$2.04±.82; $M_{\theta\phi}$7.37±.32. Principal Axes: T 7.87,Plg6°,Azm329°; N 1.53, Plg78°,Azm211°; P −9.40,Plg11°,Azm60°. Best double couple: $M_0$8.6×10^{16}Nm, NP1: ϕ_s104°,δ78°,λ−4°. NP2:ϕ_s195°,δ87°,λ−168°.

ISC	**II**	**21 05 28 34**±3.0	**3.6S**±.11	**148.8E**±.26	**102**±30	**4.3b**	**22**	**6-96**
BJI	II	21 05 28 23.4	3.04S	148.93E	5	4.8b		**¶97ii3026**
NEIC	II	21 05 28 28.3	3.20S	148.20E	33	4.4b		
MOS	II	21 05 28 28.4	3.2S	148.3E	33	4.9b		
EIDC	II	21 05 28 35.5	3.7S	149.1E	115	3.9b		
NEIC	Poor solution.							
EIDC	**III**	**04 15 01 46.8**	**3.5S**	**149.3E**	**0**	**4.1b**		**4-41**
								¶97iii0871
ISC	**III**	**30 03 14 46**±1.1	**3.8S**±.13	**148.7E**±.20	**33**	**3.4b**	**10**	**3-121**
EIDC	III	30 03 14 43.0	3.6S	148.5E	0	3.5b,4.6L		**¶97iii5683**
NEIC	III	30 03 14 46.3	3.76S	148.58E	33	3.3b		
NEIC	Poor solution.							
ISC	**IV**	**01 15 38 11**±1.0	**4.8S**±.18	**149.9E**±.30	**593**±20	**4.1b**	**9**	**2-83**
EIDC	IV	01 15 37 14.4	3.6S	150.6E	0	4.1b		**¶97iv0093**
NEIC	IV	01 15 37 55.6	4.32S	150.20E	400	4.5b		
NEIC	Poor solution.							
ISC	**IV**	**11 10 28 35**±7.1	**3.41S**±.071	**146.0E**±.12	**9**±43	**4.3b,3.6s**	**31**	**2-97**
EIDC	IV	11 10 28 34.9	3.4S	146.2E	0	4.3b,3.4s		**¶97iv1873**
BJI	IV	11 10 28 36.8	3.43S	146.20E	29	4.4b		
MOS	IV	11 10 28 37.9	3.5S	146.2E	33	5.0b		
NEIC	IV	11 10 28 38.4	3.40S	145.98E	33	4.8b		
NEIC	Less reliable solution.							
EIDC	**IV**	**18 11 22 05.8**	**4.6S**	**149.8E**	**0**	**3.3b**		**21-83**
								¶97iv3065
ISC	**IV**	**22 15 35 37.3**±.81	**3.5S**±.15	**149.4E**±.18	**33**	**3.9b**	**9**	**2-96**
EIDC	IV	22 15 35 33.3	3.7S	149.7E	0	3.9b		**¶97iv3774**
NEIC	IV	22 15 35 36.8	3.42S	149.43E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**28 06 52 08**±7.3	**3.8S**±.36	**149.8E**±.50	**26**±62	**3.6b**	**6**	**2-96**
EIDC	IV	28 06 52 04.9	3.9S	149.9E	0	3.6b,3.1s		**¶97iv4868**
EIDC	**IV**	**30 07 27 38.1**	**3.8S**	**149.3E**	**0**	**3.6b**		**4-29**
								¶97iv5176
ISC	**V**	**19 22 22 58.4**±.87	**4.1S**±.18	**149.9E**±.23	**150**	**4.1b**	**12**	**19-96**
EIDC	V	19 22 22 41.6	4.0S	150.3E	0	3.5s,3.9b		**¶97v3312**
NEIC	V	19 22 22 58.4	4.05S	149.86E	150	4.3b		
NEIC	Poor solution.							
ISC	**VI**	**02 19 25 17**±1.7	**3.42S**±.043	**148.53E**±.099	**33**±15	**4.7b,4.6s**	**65**	**2-153**
EIDC	VI	02 19 25 13.4	3.4S	148.4E	0	4.4b,4.5s		**¶97vi0295**
BJI	VI	02 19 25 16.6	3.39S	148.69E	38	5.4b,5.4s		
NEIC	VI	02 19 25 17.1	3.39S	148.28E	33	5.1b		
MOS	VI	02 19 25 17.3	3.4S	148.2E	33	5.4b		
HRVD	VI	02 19 25 18.0±.3	3.22S±.04	148.95E±.05	15			
NEIC	Mw5.6(HRV), Less reliable solution.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c49; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.13±.09; $M_{\theta\theta}$1.54±.10; $M_{\phi\phi}$−1.41±.12; $M_{r\theta}$−1.31±.42; $M_{r\phi}$−1.18±.27; $M_{\theta\phi}$1.77±.08. Principal Axes: T 3.23,Plg27°,Azm152°; N −0.83,Plg57°,Azm10°; P −2.40,Plg17°,Azm251°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: ϕ_s294°,δ58°,λ8°. NP2:ϕ_s200°,δ84°,λ148°.

ISC	**VI**	**02 19 49 10.2**±.60	**3.51S**±.053	**149.2E**±.12	**33**	**4.6b,4.5s**	**41**	**2-96**
EIDC	VI	02 19 49 06.7	3.6S	149.0E	0	4.3b,4.2s		**¶97vi0304**
BJI	VI	02 19 49 09.2	3.74S	149.20E	32	4.9b,5.1s		
NEIC	VI	02 19 49 09.8	3.68S	148.98E	33			
NEIC	Poor solution.							
ISC	**VI**	**17 15 33 06**±3.6	**3.0S**±.32	**149.1E**±.30	**33**	**3.8b,**2.8s	**9**	**4-30**
EIDC	VI	17 15 33 07.8	3.1S	148.1E	0	3.9b,2.8s		**¶97vi2654**
EIDC	**VI**	**22 12 08 38.6**	**3.4S**	**147.3E**	**0**	**3.4b**		**3-83**
								¶97vi3382
ISC	**VI**	**22 14 20 20**±4.8	**4.3S**±.47	**148.6E**±.19	**33**	**4.1b**	**9**	**2-28**
								¶97vi3399
ISC	**VI**	**22 19 41 12**±1.9	**4.7S**±.25	**148.9E**±.42	**89**±26	**3.7b**	**8**	**3-84**
NEIC	VI	22 19 41 13.9	4.81S	148.91E	100	4.0b		**¶97vi3426**
EIDC	VI	22 19 41 16.5	4.9S	149.0E	115	3.4b		
NEIC	Poor solution.							

(204) Aroe Islands region.

ISC	**I**	**14 18 56 07.2**±.69	**5.67S**±.074	**133.5E**±.17	**33**	**4.0b**	**14**	**11-91**
EIDC	I	14 18 56 05.5	5.9S	133.1E	0	3.9b,4.1L		**¶97i2039**
NEIC	I	14 18 56 07.3	5.70S	133.45E	33	4.2b		
NEIC	Less reliable solution.							
EIDC	**I**	**20 21 36 28.3**	**8.0S**	**133.3E**	**0**	**4.3b,**4.0L		**7-93**
								¶97i3088
EIDC	**II**	**08 15 00 39.3**	**6.2S**	**133.8E**	**0**	3.2L,4.2b		**1-27**
								¶97ii1157
EIDC	**IV**	**27 17 08 47.7**	**5.5S**	**132.1E**	**0**	3.6L,3.4b		**7-40**
								¶97iv4763
ISC	**V**	**03 19 20 41.1**±.33	**5.42S**±.045	**133.97E**±.066	**33**	**4.5b,**4.7s	**47**	**7-152**
EIDC	V	03 19 20 38.4	5.5S	133.8E	0	4.3b,4.3L		**¶97v0487**
BJI	V	03 19 20 40.6	5.28S	133.58E	18	4.7b		
MOS	V	03 19 20 41.0	5.4S	133.9E	33	4.9b		
NEIC	V	03 19 20 41.6	5.44S	133.90E	33	4.8b,4.7s		
ISC	**V**	**03 19 36 53.8**±.60	**5.45S**±.065	**133.9E**±.11	**33**	**3.8b**	**19**	**10-149**
EIDC	V	03 19 36 51.3	5.4S	133.7E	0	3.9b,4.0L		**¶97v0489**
NEIC	V	03 19 36 54.1	5.47S	133.95E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**V**	**06 09 48 16**±1.7	**5.0S**±.18	**133.3E**±.28	**33**	3.7b	**7**	**15-41**
EIDC	V	06 09 48 13.3	4.9S	133.4E	0	3.6L,3.9b		**¶97v0944**
NEIC	V	06 09 48 15.9	4.94S	133.44E	33	3.5b		
NEIC	Poor solution.							
ISC	**V**	**13 08 47 02.9**±.79	**5.71S**±.076	**133.63E**±.087	**33**	**4.1b**	**20**	**7-149**
EIDC	V	13 08 47 00.0	5.7S	133.5E	0	4.2L,4.1b		**¶97v2208**
NEIC	V	13 08 47 03.1	5.74S	133.60E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**14 07 50 03**±4.8	**6.7S**±.16	**133.6E**±.21	**57**±49	3.9b	**12**	**13-106**
EIDC	V	14 07 49 55.6	6.4S	134.4E	0	4.1b,3.7L		**¶97v2409**
NEIC	V	14 07 50 01.8	6.73S	133.64E	33	4.0b		
NEIC	Poor solution.							
EIDC	**V**	**28 01 55 14.9**	**6.1S**	**134.3E**	**0**	4.1L,4.3b		**14-27**
								¶97v4640
ISC	**VI**	**27 22 31 10.8**±.49	**6.41S**±.051	**133.3E**±.10	**33**	**4.0b**	**18**	**6-73**
EIDC	VI	27 22 31 08.2	6.4S	133.3E	0	4.1b,4.2L		**¶97vi4375**
NEIC	VI	27 22 31 10.9	6.43S	133.28E	33	4.3b		
NEIC	Less reliable solution.							

(206) Near south coast of New Guinea.

EIDC	**I**	**23 05 46 41.4**	**8.5S**	**145.3E**	**0**	**3.4L,**3.6b		**2-88**
								¶97i3442

(207) Eastern New Guinea region.

ISC	**I**	**04 09 23 46**±2.3	**5.4S**±.24	**145.8E**±.20	**126**±32		**6**	**0-4**
NEIC	I	04 09 23 47.5	5.43S	145.73E	100			**¶97i0515**
ISC	**I**	**10 05 20 06**±10	**5.4S**±.95	**146.4E**±.60	**137**±35	3.8b	**5**	**1-22**
ISC	Poorly determined							**¶97i1317**
ISC	**I**	**11 19 11 47.7**±.99	**5.8S**±.10	**147.3E**±.12	**33**	**4.0b**	**16**	**1-85**
EIDC	I	11 19 11 43.3	5.9S	147.8E	0	3.8b,4.3L		**¶97i1565**
NEIC	I	11 19 11 48.8	5.86S	147.27E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**I**	**12 18 35 41.6**±.63	**6.48S**±.067	**146.02E**±.084	**140**±6.0	**4.0b**	**35**	**1-151**
EIDC	I	12 18 35 25.6	6.2S	146.5E	0	4.0b,3.8L		**¶97i1727**
BJI	I	12 18 35 41.9	6.50S	146.00E	137	4.7b		
NEIC	I	12 18 35 41.9	6.50S	145.97E	137	3.8b		
ISC	**I**	**23 04 57 18**±1.6	**5.6S**±.23	**147.4E**±.35	**199**±12	**3.9b**	**9**	**1-85**
EIDC	I	23 04 56 55.4	6.3S	149.3E	0	3.9b,4.6L		**¶97i3437**
NEIC	I	23 04 57 18.4	5.55S	147.34E	200	4.1b		
NEIC	Poor solution.							
ISC	**I**	**27 06 31 37**±2.8	**5.5S**±.21	**147.1E**±.24	**199**±9.8	**4.5b**	**14**	**1-34**
NEIC	I	27 06 31 36.6	5.52S	147.09E	200	4.7b		**¶97i4056**
NEIC	Less reliable solution.							
ISC	**II**	**02 18 28 15**±1.2	**5.2S**±.12	**146.0E**±.17	**60**±11	**3.6b**	**8**	**0-85**
EIDC	II	02 18 28 08.9	5.1S	146.2E	0	3.5b,3.8L		**¶97ii0262**
NEIC	II	02 18 28 15.0	5.18S	146.17E	53			
NEIC	Less reliable solution.							
ISC	**II**	**03 06 37 37**±2.1	**5.6S**±.31	**147.6E**±.43	**197**±19	**4.0b**	**9**	**2-85**
NEIC	II	03 06 37 37.3	5.56S	147.49E	200	4.5b		**¶97ii0330**
EIDC	II	03 06 37 38.4	5.7S	147.7E	199	3.5b		
NEIC	Poor solution.							
ISC	**II**	**03 10 46 37**±1.1	**5.38S**±.065	**146.63E**±.080	**66**±9.8	**4.1b**	**34**	**1-152**
NEIC	II	03 10 46 33.7	5.22S	146.64E	33	4.4b		**¶97ii0366**
EIDC	II	03 10 46 35.7	5.3S	146.5E	34	3.9b,4.3L		
NEIC	Less reliable solution.							
ISC	**II**	**04 16 30 33.3**±.61	**5.49S**±.038	**147.34E**±.058	**204**±5.5	**4.8b**	**77**	**1-154**
MOS	II	04 16 30 32.8	5.5S	147.3E	197	4.7b		**¶97ii0563**
BJI	II	04 16 30 32.8	5.51S	147.42E	203	4.7b		
NEIC	II	04 16 30 33.4	5.50S	147.36E	205	5.3b		
EIDC	II	04 16 30 34.2	5.5S	147.3E	197	4.1b		
ISC	**II**	**17 18 48 54**±3.5	**5.7S**±.34	**147.6E**±.43	**193**±33	**4.4b**	**8**	**4-85**
EIDC	II	17 18 48 53.7	5.5S	147.4E	172	3.8b		**¶97ii2527**
NEIC	II	17 18 48 54.0	5.64S	147.57E	192	4.6b		
NEIC	Poor solution.							
EIDC	**II**	**21 13 19 03.4**	**5.7S**	**146.2E**	**0**	3.6b,3.9L		**18-26**
								¶97ii3075
ISC	**II**	**24 12 19 15**±1.7	**9.0S**±.18	**149.6E**±.20	**33**	3.6b	**5**	**2-87**
EIDC	II	24 12 19 17.2	8.8S	149.5E	35	3.8L,3.2b		**¶97ii3476**
ISC	**III**	**12 09 22 32.2**±.92	**5.44S**±.061	**147.3E**±.12	**222**±6.9	**4.4b**	**36**	**1-154**
NEIC	III	12 09 22 24.7	5.34S	147.40E	150	4.9b		**¶97iii2504**
MOS	III	12 09 22 31.3	5.4S	147.2E	208	4.9b		
EIDC	III	12 09 22 32.6	5.5S	147.3E	214	3.9b		
NEIC	Less reliable solution.							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 14 02 32 16**±5.0	**5.6S**±.25	**146.0E**±.25	**40**±43	**3.6b**	**7**	**4-85**
EIDC	III 14 02 32 12.1	5.5S	146.1E	0	3.7b,4.4L		¶97iii2801
NEIC	III 14 02 32 15.4	5.54S	146.00E	33	4.1b		
NEIC	Poor solution.						
ISC	**III 14 12 48 07**±1.3	**4.6S**±.11	**146.3E**±.20	**33**	**3.7b**	**9**	**2-84**
EIDC	III 14 12 48 03.4	4.5S	146.3E	0	3.7b,4.4L		¶97iii2881
NEIC	III 14 12 48 05.0	4.44S	146.49E	33	3.7b		
NEIC	Poor solution.						
ISC	**III 15 05 05 56**±2.1	**5.4S**±.33	**147.1E**±.48	**230**±20	3.3b	**5**	**1-85**
EIDC	III 15 05 05 58.0	5.6S	147.1E	232	2.9b		¶97iii3005
ISC	Poorly determined						
ISC	**III 18 09 33 23**±1.6	**5.6S**±.14	**147.5E**±.15	**192**±10	**4.3b**	**14**	**1-85**
NEIC	III 18 09 33 20.8	5.44S	147.37E	174	4.5b		¶97iii3517
EIDC	III 18 09 33 23.5	5.7S	147.7E	188	4.0b		
NEIC	Poor solution.						
ISC	**III 19 18 55 54**±1.2	**5.52S**±.098	**147.3E**±.15	**187**±9.9	**3.8b**	**15**	**1-97**
NEIC	III 19 18 55 34.1	5.35S	147.70E	10	4.1b		¶97iii3753
EIDC	III 19 18 55 34.2	5.4S	147.8E	0	4.0b,4.1L		
NEIC	Less reliable solution.						
ISC	**III 20 05 00 29**±1.6	**5.5S**±.16	**147.5E**±.28	**149**±14	**4.1b**	**10**	**1-85**
NEIC	III 20 05 00 29.4	5.47S	147.48E	150	4.3b		¶97iii3839
EIDC	III 20 05 00 30.5	5.5S	147.6E	155	3.7b		
NEIC	Poor solution.						
ISC	**III 21 11 52 20**±1.2	**5.4S**±.12	**147.0E**±.19	**242**±9.8	**4.0b**	**11**	**1-85**
NEIC	III 21 11 52 20.5	5.49S	147.08E	250	4.0b		¶97iii4068
EIDC	III 21 11 52 21.9	5.6S	147.2E	252	3.6b		
NEIC	Poor solution.						
ISC	**III 22 08 28 04**±1.5	**5.5S**±.14	**146.8E**±.16	**238**±9.0	**4.3b**	**16**	**1-72**
NEIC	III 22 08 28 00.4	5.40S	146.96E	200	4.7b		¶97iii4230
EIDC	III 22 08 28 06.7	5.5S	146.7E	241	3.7b		
NEIC	Poor solution.						
ISC	**III 22 11 14 32**±1.1	**6.27S**±.080	**146.8E**±.13	**105**±8.7	**3.9b**	**16**	**0-86**
NEIC	III 22 11 14 24.1	6.10S	146.91E	33	4.2b		¶97iii4255
EIDC	III 22 11 14 30.3	6.3S	147.2E	84	3.8b,4.6L		
NEIC	Less reliable solution.						
ISC	**III 24 05 45 52**±10	**5.9S**±.92	**145.6E**±.29	**33**	3.7b	**6**	**4-26**
EIDC	III 24 05 45 48.6	5.9S	145.7E	0	3.7b,3.9L		¶97iii4535
NEIC	III 24 05 45 52.7	5.96S	145.60E	33	3.8b		
NEIC	Poor solution.						
ISC	**III 28 00 08 47**±1.1	**5.78S**±.083	**146.4E**±.11	**71**±11	**3.7b**	**16**	**1-86**
EIDC	III 28 00 08 49.2	5.7S	146.5E	81	3.5b,3.7L		¶97iii5335
NEIC	III 28 00 08 49.8	5.89S	146.46E	100	3.5b		
NEIC	Less reliable solution.						
ISC	**III 29 08 09 10**±3.0	**5.3S**±.18	**146.7E**±.23	**42**±27	**3.7b**	**10**	**1-85**
EIDC	III 29 08 09 05.6	5.2S	146.6E	0	3.7b,3.9L		¶97iii5560
NEIC	III 29 08 09 08.5	5.30S	146.64E	33	3.6b		
NEIC	Less reliable solution.						
ISC	**III 30 17 27 22**±1.4	**5.1S**±.14	**145.8E**±.14	**70**±10	**3.5b**	**11**	**0-85**
NEIC	III 30 17 27 18.5	5.00S	145.68E	33	3.7b		¶97iii5779
EIDC	III 30 17 27 25.6	5.4S	146.0E	81	3.3b		
NEIC	Poor solution.						
ISC	**IV 01 02 35 51**±1.7	**5.4S**±.16	**147.3E**±.26	**219**±13	**3.9b**	**7**	**2-85**
NEIC	IV 01 02 35 48.8	5.24S	147.05E	200	4.4b		¶97iv0014
EIDC	IV 01 02 35 53.5	5.2S	146.8E	232	3.3b		
NEIC	Poor solution.						
ISC	**IV 03 04 03 12.9**±.60	**5.86S**±.043	**146.90E**±.050	**119**±5.9	**5.2b**	**91**	**1-154**
MOS	IV 03 04 03 09.3	5.8S	146.9E	85	5.1b		¶97iv0377
BJI	IV 03 04 03 09.6	5.82S	147.02E	97	5.0b		
EIDC	IV 03 04 03 09.9	5.8S	146.9E	79	4.6b,3.4s		
NEIC	IV 03 04 03 10.8	5.83S	146.86E	100	5.3b		
ISC	**IV 04 13 02 13**±1.5	**5.2S**±.16	**146.6E**±.23	**33**	**3.8b**	**7**	**1-85**
EIDC	IV 04 13 02 09.7	5.0S	146.5E	0	3.4b,3.8L		¶97iv0614
ISC	**IV 04 20 42 23**±1.3	**6.14S**±.086	**146.9E**±.14	**33**	**3.7b**	**14**	**0-71**
EIDC	IV 04 20 42 20.1	6.0S	146.7E	0	3.8b,3.7L		¶97iv0656
NEIC	IV 04 20 42 23.2	6.05S	146.63E	33	3.8b		
NEIC	Less reliable solution.						
ISC	**IV 05 12 23 30.3**±.80	**6.54S**±.025	**147.46E**±.028	**67**±7.5	**5.7b**	**650**	**1-164**
MOS	IV 05 12 23 28.9	6.4S	147.4E	51	6.4b,6.0s		¶97iv0768
EIDC	IV 05 12 23 30.1	6.5S	147.5E	56	5.4b,5.2s		
BJI	IV 05 12 23 30.4	6.50S	147.48E	71	5.9b,6.2s		
NEIC	IV 05 12 23 30.5	6.49S	147.41E	69	6.1b		
HRVD	IV 05 12 23 37.0±.1	6.57S±.01	147.67E±.01	53±.4			
NEIC	Mw6.5(HRV), Me6.2(GS).						
NEIC	Mw 6.4 (GS).						
NEIC	Radiated energy from the P−wave first−motion solution: 5.2±1.5×10^{13}Nm/12						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S245°,δ55°,λ−60°. NP2:ϕ_S20°,δ45°,λ−126°. Principal axes: T Plg6°,Azm314°; P Plg65°,Azm212°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s30, scale 10^{18}Nm; M_{rr}−4.10; $M_{\theta\theta}$5.32; $M_{\phi\phi}$−1.20; $M_{r\theta}$0.85; $M_{r\phi}$0.27; $M_{\theta\phi}$−0.20. Depth 66km; Principal axes: T 5.40,Plg5°,Azm2°; N −1.19,Plg6°, Azm271°; P −4.21,Plg82°,Azm133°. Best double couple: $M_0$4.8×10^{18}Nm; NP1:ϕ_S98°,δ40°, λ−81°. NP2:ϕ_S266°,δ50°,λ−97°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s63,c120; Mantle waves: s57,c114; Half duration: 3s9. Moment tensor: Scale 10^{18}Nm; M_{rr}−4.59±.04; $M_{\theta\theta}$6.43±.03; $M_{\phi\phi}$−1.84±.04; $M_{r\theta}$0.57±.05; $M_{r\phi}$−0.29±.05; $M_{\theta\phi}$−0.86±.03. Principal Axes: T 6.55,Plg3°,Azm6°; N −1.91,Plg5°,Azm96°; P −4.65,Plg84°,Azm244°. Best double couple: $M_0$5.6×10^{18}Nm, NP1:ϕ_S91°,δ42°,λ−97°. NP2:ϕ_S281°,δ48°,λ−84°.						
ISC	**IV 05 13 36 51**±1.4	**6.1S**±.15	**147.6E**±.20	**33**	**4.1b**	**10**	**1-85**
EIDC	IV 05 13 36 48.1	6.0S	147.5E	0	4.2L,3.6b		¶97iv0775
NEIC	IV 05 13 36 51.4	6.13S	147.61E	33	3.7b		
NEIC	Poor solution.						
ISC	**IV 06 08 17 39.5**±.94	**5.17S**±.064	**146.2E**±.11	**157**±7.9	**4.2b**	**26**	**0-99**
NEIC	IV 06 08 17 39.2	5.14S	146.13E	150	4.5b		¶97iv0967
EIDC	IV 06 08 17 39.8	5.3S	146.5E	155	3.8b		
NEIC	Less reliable solution.						
ISC	**IV 07 02 21 38**±1.0	**6.46S**±.044	**147.68E**±.081	**90**±8.6	**4.8b**	**75**	**1-153**
NEIC	IV 07 02 21 35.5	6.36S	147.48E	64	5.3b		¶97iv1088
MOS	IV 07 02 21 35.8	6.4S	147.5E	61	5.3b		
EIDC	IV 07 02 21 36.0	6.3S	147.5E	58	4.3b,3.2s		
BJI	IV 07 02 21 36.6	6.49S	147.73E	82			
ISC	**IV 07 17 58 29**±4.2	**6.8S**±.33	**147.6E**±.35	**80**±20	3.6b	**6**	**1-21**
							¶97iv1203
EIDC	**IV 08 08 45 38.5**	**8.5S**	**147.4E**	**133**	3.3b		**1-24**
							¶97iv1302
ISC	**IV 09 13 04 54.8**±.91	**5.41S**±.051	**146.26E**±.093	**58**±8.0	**4.5b**	**36**	**1-99**
EIDC	IV 09 13 04 50.7	5.2S	145.8E	0	4.3b,4.5L		¶97iv1517
NEIC	IV 09 13 04 54.8	5.40S	146.25E	58	4.6b		
BJI	IV 09 13 04 55.4	5.20S	146.49E	68	4.8b		
ISC	**IV 11 14 50 28**±1.4	**5.5S**±.11	**147.4E**±.18	**176**±9.2	**4.3b**	**14**	**1-94**
EIDC	IV 11 14 50 11.3	4.3S	146.1E	0	4.6b,4.6L		¶97iv1923
NEIC	IV 11 14 50 27.7	5.46S	147.41E	178	4.6b		
NEIC	Less reliable solution.						
ISC	**IV 12 17 39 33.8**±.77	**5.94S**±.070	**146.3E**±.11	**114**±7.1	**4.1b**	**32**	**1-154**
EIDC	IV 12 17 39 32.8	6.0S	146.5E	94	3.9b,2.7s		¶97iv2102
NEIC	IV 12 17 39 33.5	5.97S	146.36E	112	4.4b		
NEIC	Less reliable solution.						
ISC	**IV 13 03 47 12**±1.6	**6.56S**±.082	**147.7E**±.16	**81**±12	**4.3b**	**30**	**1-153**
EIDC	IV 13 03 47 12.2	6.5S	147.6E	63	4.0b		¶97iv2184
NEIC	IV 13 03 47 15.1	6.62S	147.47E	100	4.4b		
NEIC	Less reliable solution.						
ISC	**IV 15 09 18 25**±2.0	**9.1S**±.21	**150.3E**±.28	**33**	**3.7b**	**6**	**3-83**
EIDC	IV 15 09 18 22.9	8.9S	150.2E	0	4.4b,3.7L		¶97iv2584
NEIC	IV 15 09 18 25.0	9.10S	150.30E	33	3.3b		
NEIC	Poor solution.						
ISC	**IV 16 14 40 13**±2.8	**6.5S**±.13	**148.0E**±.24	**67**±20	**3.5b**	**10**	**1-48**
EIDC	IV 16 14 40 14.1	6.6S	148.3E	70	3.4b,3.9L		¶97iv2773
NEIC	IV 16 14 40 14.4	6.54S	147.89E	75	3.6b		
NEIC	Less reliable solution.						
ISC	**IV 21 05 12 14**±2.1	**5.7S**±.49	**147.5E**±.72	**127**±15	**3.6b**	**7**	**1-99**
EIDC	IV 21 05 12 00.7	5.4S	147.6E	0	3.5b,4.3L		¶97iv3408
NEIC	IV 21 05 12 14.1	5.76S	147.48E	128	4.2b		
NEIC	Poor solution.						
ISC	**IV 23 07 41 08**±2.4	**6.8S**±.20	**147.5E**±.20	**86**±12	**3.8b**	**13**	**1-72**
EIDC	IV 23 07 40 59.9	7.0S	147.9E	0	3.9b,4.2L		¶97iv3916
NEIC	IV 23 07 41 08.1	6.78S	147.51E	87	4.1b		
NEIC	Poor solution.						
ISC	**IV 23 18 45 20**±1.5	**6.1S**±.11	**146.8E**±.14	**62**±12	**3.6b**	**11**	**0-86**
EIDC	IV 23 18 45 13.6	6.1S	147.1E	0	3.6b,3.9L		¶97iv4012
NEIC	IV 23 18 45 20.3	6.09S	146.78E	63	3.3b		
NEIC	Less reliable solution.						
ISC	**IV 23 19 42 01**±4.7	**6.7S**±.30	**147.6E**±.37	**82**±14	**3.5b**	**9**	**1-26**
EIDC	IV 23 19 41 52.8	7.1S	148.4E	0	3.6b,3.9L		¶97iv4020
NEIC	IV 23 19 42 00.3	6.69S	147.66E	84	3.4b		
NEIC	Less reliable solution.						
ISC	**IV 28 03 35 41**±1.4	**6.4S**±.13	**146.8E**±.23	**56**±14	**3.8b**	**10**	**0-154**
EIDC	IV 28 03 35 34.0	6.4S	147.1E	0	3.8b,3.3L		¶97iv4840
NEIC	IV 28 03 35 39.2	6.24S	146.57E	33			
NEIC	Less reliable solution.						
ISC	**IV 30 17 24 59**±1.4	**5.1S**±.14	**146.6E**±.14	**33**	**4.2b**	**9**	**1-85**
EIDC	IV 30 17 24 54.2	5.4S	147.3E	0	4.0b,4.4L		¶97iv5235
NEIC	IV 30 17 24 58.4	5.11S	146.64E	33	3.8b		
NEIC	Poor solution.						
ISC	**V 02 08 50 18.8**±.87	**5.51S**±.081	**147.4E**±.12	**180**±6.5	**4.3b**	**20**	**1-85**
NEIC	V 02 08 50 16.0	5.41S	147.26E	150	4.7b		¶97v0237
EIDC	V 02 08 50 21.2	5.5S	147.3E	191	3.8b		
NEIC	Less reliable solution.						
ISC	**V 02 14 28 23**±1.5	**9.9S**±.15	**150.0E**±.27	**33**	**3.7b**	**7**	**3-149**
NEIC	V 02 14 28 22.7	9.91S	149.98E	33			¶97v0281
EIDC	V 02 14 28 25.9	10.0S	150.0E	45	3.5b,3.7L		
NEIC	Poor solution.						
ISC	**V 02 22 47 28.0**±.73	**6.54S**±.053	**147.66E**±.088	**87**±5.9	**4.4b**	**43**	**0-153**
NEIC	V 02 22 47 26.8	6.48S	147.51E	71	4.7b		¶97v0339
MOS	V 02 22 47 28.1	6.5S	147.3E	73	4.9b		
EIDC	V 02 22 47 29.2	6.6S	147.5E	76	4.0b		
ISC	**V 03 07 04 35**±1.6	**5.5S**±.15	**147.3E**±.17	**184**±9.6	**4.0b**	**11**	**1-85**
NEIC	V 03 07 04 34.7	5.52S	147.32E	185	4.3b		¶97v0394
EIDC	V 03 07 04 35.4	5.7S	147.6E	185	3.4b		
NEIC	Less reliable solution.						
ISC	**V 04 05 22 28**±6.9	**6.0S**±.64	**146.5E**±.63	**169**±34	3.9b	**6**	**1-21**
							¶97v0568
ISC	**V 04 06 38 28**±1.9	**5.8S**±.14	**147.8E**±.30	**137**±14	**3.4b**	**9**	**1-85**
EIDC	V 04 06 38 28.6	5.9S	148.0E	132	3.3b		¶97v0578
NEIC	V 04 06 38 29.2	5.89S	147.86E	150			
NEIC	Poor solution.						
ISC	**V 04 07 01 09**±1.2	**5.9S**±.10	**147.0E**±.16	**108**±11	**3.8b**	**14**	**1-85**
EIDC	V 04 07 01 05.4	5.7S	146.8E	58	3.7b,4.2L		¶97v0581
NEIC	V 04 07 01 08.1	5.84S	146.77E	100	3.7b		
NEIC	Poor solution.						
ISC	**V 09 12 13 32**±2.2	**5.3S**±.22	**148.0E**±.31	**226**±17	3.5b	**7**	**2-98**
							¶97v1421
ISC	**V 11 11 49 05**±1.5	**5.1S**±.17	**147.0E**±.29	**150**	**3.4b**	**7**	**4-85**
NEIC	V 11 11 49 05.0	5.06S	146.98E	150	3.6b		¶97v1777
EIDC	V 11 11 49 12.8	6.0S	148.2E	226	2.9b		
NEIC	Poor solution.						
ISC	**V 11 20 11 29.0**±.60	**5.73S**±.043	**147.83E**±.059	**126**±5.8	**4.8b**	**60**	**1-154**
BJI	V 11 20 11 28.1	6.11S	147.93E	148	4.6b		¶97v1839
MOS	V 11 20 11 28.3	5.7S	147.8E	118	5.0b		
EIDC	V 11 20 11 28.3	5.7S	147.9E	108	4.0b,3.1s		
NEIC	V 11 20 11 29.0	5.74S	147.84E	126	5.4b		
ISC	**V 13 07 30 52.5**±.78	**6.46S**±.099	**147.56E**±.084	**90**±6.8	**4.2b**	**27**	**0-153**
EIDC	V 13 07 30 49.3	6.2S	147.4E	44	3.9b,4.3L		¶97v2190
NEIC	V 13 07 30 52.6	6.47S	147.55E	88	4.3b		
NEIC	Less reliable solution.						
ISC	**V 14 03 07 17**±2.0	**5.1S**±.22	**145.6E**±.19	**18**±21		**5**	**0-2**
ISC	Poorly determined						¶97v2374
ISC	**V 14 20 17 02.0**±.75	**6.26S**±.084	**146.6E**±.11	**111**±8.8	**3.8b**	**17**	**0-86**
NEIC	V 14 20 17 01.6	6.22S	146.51E	100	3.9b		¶97v2504
EIDC	V 14 20 17 04.1	6.5S	147.0E	131	3.6b		
NEIC	Less reliable solution.						
ISC	**V 17 04 37 47**±1.1	**5.8S**±.10	**147.12E**±.099	**79**±9.8	**3.6b**	**16**	**1-154**
EIDC	V 17 04 37 38.2	5.9S	147.5E	0	3.8b,3.8L		¶97v2883
NEIC	V 17 04 37 47.0	5.81S	147.09E	77	3.8b		
NEIC	Less reliable solution.						
ISC	**V 17 13 00 24**±1.5	**5.7S**±.17	**147.1E**±.14	**127**±11	**3.8b**	**13**	**1-85**
NEIC	V 17 13 00 24.3	5.68S	147.07E	127	4.0b		¶97v2932
EIDC	V 17 13 00 25.4	5.9S	147.4E	138	3.3b		
NEIC	Less reliable solution.						
ISC	**V 19 13 23 43.5**±.57	**5.83S**±.031	**147.12E**±.043	**93**±5.5	**5.0b**	**131**	**1-154**
BJI	V 19 13 23 42.3	5.95S	147.55E	114	4.9b		¶97v3259
NEIC	V 19 13 23 43.5	5.82S	147.15E	92	5.2b		
EIDC	V 19 13 23 43.7	5.8S	147.2E	82	4.5b,3.5s		
MOS	V 19 13 23 47.2	5.8S	146.8E	120	5.1b		
ISC	**V 21 02 20 43**±1.4	**6.28S**±.088	**147.9E**±.13	**43**±11	**4.0b**,2.5s	**22**	**0-153**
NEIC	V 21 02 20 42.8	6.28S	147.92E	43	4.1b		¶97v3497
EIDC	V 21 02 20 46.0	6.3S	147.8E	51	3.7b,2.5s		
NEIC	Less reliable solution.						
ISC	**V 21 15 39 13**±1.7	**6.2S**±.11	**148.0E**±.13	**42**±12	**4.0b**	**18**	**0-85**
EIDC	V 21 15 39 08.3	6.0S	147.6E	0	3.9b,4.1L		¶97v3575
NEIC	V 21 15 39 12.4	6.22S	148.00E	42	4.0b		
NEIC	Less reliable solution.						

ISC	**V**	**21 17 39 42.0**±.94	**9.28S**±.076	**147.0E**±.15	**33**	3.5b	**11**	**0-74**
NEIC	V	21 17 39 41.8	9.27S	147.03E	33	3.7b		¶97v3589
EIDC	V	21 17 39 46.8	9.2S	146.0E	0	3.6L,3.6b		
NEIC	Less reliable solution.							
ISC	**V**	**22 12 15 49**±1.0	**7.79S**±.062	**147.5E**±.13	**58**±11	**3.7b**	**17**	**1-153**
EIDC	V	22 12 15 42.7	7.6S	147.6E	0	3.8b,4.2L		¶97v3770
NEIC	V	22 12 15 46.9	7.85S	147.63E	33	3.9b		
NEIC	Less reliable solution.							
EIDC	**V**	**28 03 35 14.0**	**7.6S**	**147.8E**	**0**	4.0b,4.3L		**1-25**
								¶97v4651
ISC	**V**	**31 12 38 15**±1.2	**5.6S**±.15	**147.1E**±.15	**150**±11	**3.6b**	**12**	**1-85**
EIDC	V	31 12 37 58.0	5.6S	147.8E	0	3.6b,3.9L		¶97v5191
NEIC	V	31 12 38 15.0	5.61S	147.05E	150			
NEIC	Less reliable solution.							
ISC	**VI**	**01 03 31 02.5**±.95	**6.07S**±.052	**147.65E**±.089	**57**±8.2	**4.5b**,3.3s	**50**	**1-153**
EIDC	VI	01 03 30 56.1	6.1S	147.8E	0	4.3b,3.1s		¶97vi0016
BJI	VI	01 03 30 58.3	6.22S	147.72E	27	4.7b		
NEIC	VI	01 03 30 59.6	6.12S	147.49E	33	4.3b		
MOS	VI	01 03 31 00.1	6.1S	147.4E	33	4.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**04 02 26 46**±1.1	**5.83S**±.083	**146.8E**±.17	**118**±8.4	**3.8b**	**15**	**1-85**
NEIC	VI	04 02 26 44.7	5.77S	146.69E	100	3.8b		¶97vi0545
EIDC	VI	04 02 26 46.5	5.8S	146.7E	99	3.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**04 18 31 44**±1.0	**5.4S**±.12	**145.41E**±.089	**33**		**5**	**0-2**
								¶97vi0658
ISC	**VI**	**06 06 53 19**±1.4	**5.4S**±.14	**147.3E**±.24	**215**±10	**3.9b**	**9**	**1-85**
EIDC	VI	06 06 52 56.5	4.7S	147.0E	0	4.1b,4.8L		¶97vi0897
ISC	**VI**	**06 22 53 35.2**±.91	**5.5S**±.11	**145.5E**±.10	**77**±10	**3.6b**	**9**	**0-86**
NEIC	VI	06 22 53 30.7	5.34S	145.47E	33			¶97vi1010
EIDC	VI	06 22 53 38.6	5.7S	145.8E	105	3.3b,3.8L		
NEIC	Single network solution.							
ISC	**VI**	**07 18 06 23.3**±.57	**5.45S**±.066	**147.31E**±.067	**216**±5.6	**4.0b**	**27**	**1-85**
NEIC	VI	07 18 06 21.8	5.40S	147.39E	200	4.2b		¶97vi1126
EIDC	VI	07 18 06 24.6	5.5S	147.1E	201	3.8b		
NEIC	Less reliable solution.							
ISC	**VI**	**10 12 28 41.0**±.94	**5.32S**±.085	**145.36E**±.089	**61**±10	**4.0b**	**21**	**0-151**
NEIC	VI	10 12 28 39.4	5.30S	145.42E	46			¶97vi1519
EIDC	VI	10 12 28 41.3	5.3S	145.5E	51	3.8b,3.0s		
NEIC	Single network solution.							
ISC	**VI**	**10 16 47 52.8**±.71	**5.39S**±.063	**145.29E**±.065	**74**±8.1	**4.1b**	**33**	**1-155**
NEIC	VI	10 16 47 49.0	5.29S	145.25E	37			¶97vi1549
EIDC	VI	10 16 47 50.4	5.3S	145.4E	36	3.9b,3.0s		
NEIC	Less reliable solution.							
ISC	**VI**	**12 12 07 37.6**±.57	**6.01S**±.024	**147.00E**±.029	**67**±5.3	**5.5b**	**410**	**1-164**
NEIC	VI	12 12 07 33.6	5.95S	147.03E	33	5.7b,5.9s		¶97vi1842
MOS	VI	12 12 07 34.0	5.9S	147.1E	33	6.0b,5.7s		
BJI	VI	12 12 07 34.9	5.92S	146.98E	40	5.7b,5.7s		
EIDC	VI	12 12 07 39.0	6.0S	147.0E	62	5.2b,5.5s		
HRVD	VI	12 12 07 42.3±.1	6.07S±.01	147.17E±.01	39			
NEIC	Mw6.1(HRV), Me5.7(GS).							
NEIC	Mw 6.0 (GS).							

NEIC Radiated energy from the P−wave first−motion solution: $9.3\pm1.9\times10^{12}$Nm/12

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S290°,δ50°,λ105°. NP2:ϕ_S87°,δ42°,λ73°. Principal axes: T Plg78°,Azm261°; P Plg4°,Azm9°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s27, scale 10^{18}Nm; M_{rr}1.17; $M_{\theta\theta}$−1.42; $M_{\phi\phi}$0.24; $M_{r\theta}$0.35; $M_{r\phi}$−0.06; $M_{\theta\phi}$0.20. Depth 31km; Principal axes: T 1.22,Plg82°,Azm13°; N 0.27,Plg1°, Azm277°; P −1.49,Plg8°,Azm187°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S276°,δ37°, λ89°. NP2:ϕ_S98°,δ53°,λ91°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s68,c144; Mantle waves: s56,c90; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}1.49±.01; $M_{\theta\theta}$−1.46±.01; $M_{\phi\phi}$−0.03±.01; $M_{r\theta}$0.41±.02; $M_{r\phi}$0.13±.02; $M_{\theta\phi}$0.51±.01. Principal Axes: T 1.57,Plg78°,Azm320°; N 0.09,Plg10°,Azm106°; P −1.66,Plg6°,Azm197°. Best double couple: $M_0$1.6×10^{18}Nm, NP1:ϕ_S297°,δ39°,λ105°. NP2:ϕ_S98°,δ52°,λ78°.

ISC	**VI**	**12 17 57 44**±2.0	**6.0S**±.15	**147.0E**±.19	**58**±14	**3.6b**	**9**	**1-71**
EIDC	VI	12 17 57 39.3	5.9S	146.8E	0	3.6b,3.5L		¶97vi1879
NEIC	VI	12 17 57 43.8	6.03S	146.78E	50			
NEIC	Single network solution.							
ISC	**VI**	**14 22 53 23**±3.7	**5.5S**±.32	**146.1E**±.25	**121**±30		**5**	**0-18**
ISC	Poorly determined							¶97vi2186
ISC	**VI**	**16 07 04 00.2**±.70	**5.38S**±.055	**146.97E**±.087	**236**±5.2	**4.4b**	**44**	**1-154**
EIDC	VI	16 07 03 58.8	5.3S	147.1E	215	3.8b		¶97vi2415
NEIC	VI	16 07 03 59.3	5.34S	146.96E	230	4.9b		
ISC	**VI**	**16 19 33 27.9**±.87	**5.38S**±.081	**146.9E**±.13	**229**±6.6	**3.9b**	**20**	**1-85**
NEIC	VI	16 19 33 19.8	5.22S	147.00E	150	4.2b		¶97vi2505
EIDC	VI	16 19 33 29.6	5.4S	147.1E	233	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**17 07 26 23**±1.1	**5.64S**±.085	**146.5E**±.12	**72**±9.6	**3.8b**	**13**	**1-85**
EIDC	VI	17 07 26 25.0	5.7S	146.6E	82	3.6b		¶97vi2569
NEIC	VI	17 07 26 25.3	5.78S	146.47E	100	3.7b		
NEIC	Less reliable solution.							
EIDC	**VI**	**18 09 11 00.1**	**5.3S**	**146.8E**	**132**	3.1b,3.6L		**4-85**
								¶97vi2766
EIDC	**VI**	**21 16 56 22.4**	**6.8S**	**147.7E**	**0**	3.6b,3.4L		**1-26**
								¶97vi3251
ISC	**VI**	**21 17 19 09**±9.5	**8.2S**±.75	**148.7E**±.55	**33**	3.5b	**4**	**12-24**
EIDC	VI	21 17 19 01.4	7.8S	149.0E	0	3.5L,3.5b		¶97vi3254
ISC	Poorly determined							
EIDC	**VI**	**24 02 42 45.6**	**7.2S**	**148.7E**	**0**	3.8b,4.4L		**19-71**
								¶97vi3621
EIDC	**VI**	**24 18 30 44.8**	**5.3S**	**145.5E**	**0**	3.6b,3.6L		**18-27**
								¶97vi3766
ISC	**VI**	**26 02 20 24**±1.3	**6.40S**±.063	**146.79E**±.083	**16**±9.9	**4.5b**	**37**	**0-154**
NEIC	VI	26 02 20 25.9	6.43S	146.88E	33	4.4b		¶97vi4072
BJI	VI	26 02 20 26.3	6.40S	146.70E	36	4.6b		
EIDC	VI	26 02 20 28.1	6.5S	147.0E	40	4.2b,3.8L		
ISC	**VI**	**27 23 00 20**±1.5	**5.4S**±.19	**147.3E**±.32	**200**	**3.8b**	**7**	**4-85**
EIDC	VI	27 23 00 25.1	6.3S	148.3E	243	3.2b		¶97vi4378
ISC	**VI**	**29 10 08 37.2**±.68	**5.93S**±.069	**146.72E**±.090	**123**±6.3	**4.2b**	**22**	**1-122**
EIDC	VI	29 10 08 34.6	5.8S	146.8E	85	4.0b		¶97vi4608
NEIC	VI	29 10 08 35.0	5.81S	146.61E	100	3.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**29 19 16 45**±3.3	**6.3S**±.12	**146.8E**±.22	**7**±18	**3.8b**	**8**	**0-86**
EIDC	VI	29 19 16 45.3	6.3S	146.9E	0	3.7b,3.7L		¶97vi4654
NEIC	VI	29 19 16 48.2	6.38S	146.85E	33			
NEIC	Single network solution.							

SEISMIC REGION 17.
CAROLINE ISLANDS TO GUAM.

(209) Western Caroline Islands.

ISC	**I**	**04 00 16 42**±1.1	**10.9N**±.16	**138.9E**±.27	**33**	**3.7b**	**5**	**31-88**
EIDC	I	04 00 16 38.8	11.0N	139.0E	0	3.7b		¶97i0449
NEIC	I	04 00 16 42.2	10.96N	138.87E	33			
NEIC	Poor solution.							
EIDC	**I**	**14 00 51 26.6**	**8.0N**	**141.4E**	**0**	**4.0b**		**29-89**
								¶97i1924
ISC	**I**	**22 16 32 52**±1.3	**6.7N**±.22	**141.8E**±.51	**33**	**3.8b**	**4**	**31-90**
EIDC	I	22 16 32 48.6	6.7N	142.1E	0	3.8b		¶97i3350
ISC	Poorly determined							
ISC	**II**	**15 19 15 14.5**±.80	**8.5N**±.12	**137.9E**±.24	**33**	**4.0b**	**8**	**32-93**
EIDC	II	15 19 15 11.0	8.6N	137.9E	0	4.0b		¶97ii2278
NEIC	II	15 19 15 14.6	8.49N	137.81E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**III**	**27 04 46 08**±1.0	**3.0N**±.13	**131.5E**±.31	**33**	**3.7b**	**5**	**23-35**
EIDC	III	27 04 46 05.7	3.0N	131.5E	0	4.0b		¶97iii5144
NEIC	III	27 04 46 08.2	3.01N	131.48E	33			
NEIC	Poor solution.							
ISC	**IV**	**16 20 51 32.2**±.74	**11.2N**±.10	**140.5E**±.24	**33**	**3.8b**	**10**	**25-88**
EIDC	IV	16 20 51 29.0	11.3N	140.6E	0	3.8b,3.0s		¶97iv2809
NEIC	IV	16 20 51 32.2	11.24N	140.55E	33	3.8b		
NEIC	Less reliable solution.							
EIDC	**IV**	**22 19 12 26.8**	**3.3N**	**135.2E**	**0**	**3.9b**		**27-82**
								¶97iv3817
ISC	**V**	**23 02 25 05.6**±.61	**8.41N**±.083	**137.9E**±.21	**33**	**4.0b,3.8s**	**16**	**28-153**
EIDC	V	23 02 25 02.2	8.5N	138.0E	0	4.1b,3.4s		¶97v3869
NEIC	V	23 02 25 05.6	8.40N	137.88E	33	4.0b		
NEIC	Less reliable solution.							
EIDC	**V**	**23 03 52 28.0**	**8.5N**	**137.7E**	**0**	**3.7b**		**29-76**
								¶97v3880
ISC	**VI**	**18 04 32 04.1**±.60	**11.32N**±.079	**139.1E**±.15	**33**	**4.3b,3.8s**	**25**	**24-153**
EIDC	VI	18 04 32 01.0	11.3N	139.1E	0	4.3b,3.4s		¶97vi2729
BJI	VI	18 04 32 03.3	11.75N	139.22E	12	4.5b		
MOS	VI	18 04 32 04.2	11.2N	138.8E	33	5.0b		
NEIC	VI	18 04 32 04.2	11.31N	139.11E	33	4.6b		
NEIC	Less reliable solution.							

(210) South of the Marianas.

ISC	**I**	**14 21 11 17**±1.2	**12.71N**±.046	**143.69E**±.070	**39**±12	**4.7b,5.2s**	**86**	**1-149**
EIDC	I	14 21 11 14.0	12.6N	143.7E	0	4.3b,4.9s		¶97i2058
BJI	I	14 21 11 16.0	12.74N	143.82E	30	5.2b,5.4s		
MOS	I	14 21 11 17.0	12.7N	143.7E	33	5.5b,5.2s		
NEIC	I	14 21 11 17.2	12.68N	143.72E	33	4.9b		
HRVD	I	14 21 11 20.9±.3	12.58N±.02	143.57E±.03	32±2.5			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c58; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.04; $M_{\theta\theta}$−1.29±.05; $M_{\phi\phi}$−0.20±.05; $M_{r\theta}$−0.55±.14; $M_{r\phi}$0.41±.11; $M_{\theta\phi}$−0.06±.04. Principal Axes: T 1.69,Plg74°,Azm229°; N −0.29,Plg12°,Azm93°; P −1.40,Plg11°,Azm1°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S76°,δ36°,λ69°. NP2:ϕ_S281°,δ57°,λ104°.

ISC	**I**	**20 13 49 57.7**±.86	**13.03N**±.088	**143.9E**±.13	**118**±10	**3.8b**	**25**	**1-149**
NEIC	I	20 13 49 58.1	13.01N	144.04E	121	3.8b		¶97i3012
EIDC	I	20 13 50 05.4	13.0N	143.8E	174	3.6b		
NEIC	Less reliable solution.							
ISC	**I**	**21 21 23 46**±2.4	**13.54N**±.085	**146.1E**±.23	**70**±19	**3.8b**	**21**	**1-145**
EIDC	I	21 21 23 38.8	13.6N	146.3E	0	4.0b		¶97i3230
NEIC	I	21 21 23 45.6	13.52N	146.12E	64	4.2b		
NEIC	Less reliable solution.							
ISC	**I**	**31 08 21 21**±2.4	**11.8N**±.11	**143.6E**±.27	**42**±25	**4.1b**	**13**	**2-92**
NEIC	I	31 08 21 20.3	11.77N	143.57E	33	4.2b		¶97i4603
EIDC	I	31 08 21 23.3	11.8N	143.8E	44	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**31 10 39 59**±1.1	**12.62N**±.052	**142.9E**±.13	**153**±12	**4.3b**	**34**	**2-150**
EIDC	I	31 10 39 47.1	12.6N	143.2E	29	4.2b		¶97i4613
BJI	I	31 10 39 57.8	12.60N	142.70E	137	4.2b		
NEIC	I	31 10 39 57.8	12.63N	142.74E	137	4.6b		
NEIC	Less reliable solution.							
ISC	**II**	**06 17 56 51**±1.0	**11.21N**±.087	**145.4E**±.34	**33**	**3.6b**	**7**	**2-85**
EIDC	II	06 17 56 47.0	11.6N	144.6E	0	3.6b		¶97ii0883
NEIC	II	06 17 56 51.0	11.23N	145.29E	33	3.4b		
NEIC	Poor solution.							
ISC	**II**	**08 00 42 37.3**±.89	**12.95N**±.082	**143.5E**±.18	**204**±9.9	**3.8b**	**20**	**2-99**
EIDC	II	08 00 42 43.7	12.8N	143.5E	257	3.6b		¶97ii1063
ISC	**II**	**11 11 32 50.2**±.98	**12.90N**±.062	**143.3E**±.13	**145**±12	**4.1b**	**29**	**2-149**
BJI	II	11 11 32 50.5	12.84N	143.47E	161	4.4b		¶97ii1623
NEIC	II	11 11 32 50.7	12.91N	143.45E	156	4.2b		
EIDC	II	11 11 32 51.7	12.9N	143.5E	149	3.8b		
ISC	**II**	**15 16 09 38**±2.7	**11.2N**±.58	**142.1E**±.24	**33**	**3.9b**	**7**	**42-96**
EIDC	II	15 16 09 34.8	11.3N	142.2E	0	4.0b		¶97ii2260
ISC	**II**	**21 17 16 55**±1.8	**12.3N**±.12	**144.2E**±.24	**51**±19	**3.7b**	**12**	**1-148**
EIDC	II	21 17 16 50.1	12.3N	144.3E	0	3.7b		¶97ii3100
NEIC	II	21 17 16 54.9	12.28N	144.19E	53	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**28 00 18 48.6**±.60	**12.58N**±.083	**141.4E**±.29	**33**	**4.1b**	**16**	**23-151**
EIDC	II	28 00 18 45.8	12.7N	141.4E	0	4.1b		¶97ii4073
NEIC	II	28 00 18 48.5	12.59N	141.45E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**II**	**28 16 38 04**±1.4	**13.7N**±.32	**143.5E**±.13	**33**	**4.0b**	**10**	**1-90**
EIDC	II	28 16 38 02.5	14.2N	143.4E	0	4.0b		¶97ii4295
NEIC	II	28 16 38 04.4	13.77N	143.48E	33	3.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**09 23 11 24.3**	**12.5N**	**145.8E**	**0**	**3.7b**		**53-92**
								¶97iii2106
ISC	**III**	**11 00 01 00**±2.9	**12.50N**±.051	**143.67E**±.071	**22**±22	**4.5b,4.3s**	**55**	**2-149**
EIDC	III	11 00 00 58.0	12.5N	143.7E	0	4.3b,4.4s		¶97iii2286
BJI	III	11 00 00 58.4	12.45N	143.73E	15	5.0b,4.7s		
NEIC	III	11 00 00 59.2	12.51N	143.62E	18	4.8b,4.5s		
MOS	III	11 00 01 01.3	12.5N	143.7E	35	5.2b		
EIDC	**III**	**18 08 46 07.0**	**12.3N**	**146.0E**	**0**	**3.5b**		**2-84**
								¶97iii3510
ISC	**III**	**21 20 23 49**±2.7	**12.6N**±.12	**143.8E**±.28	**39**±32	**3.8b**,3.6s	**10**	**1-70**
EIDC	III	21 20 23 45.8	12.5N	143.8E	0	3.7b,3.6s		¶97iii4128
NEIC	III	21 20 23 48.7	12.58N	143.72E	33	4.1b		
ISC	**III**	**27 07 00 44.5**±.99	**11.41N**±.092	**145.0E**±.44	**33**	**3.5b**	**7**	**2-85**
EIDC	III	27 07 00 41.5	11.4N	145.3E	0	3.5b		¶97iii5161
NEIC	III	27 07 00 44.4	11.41N	145.02E	33	3.7b		
NEIC	Poor solution.							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV 04 06 19 23**±1.8	**12.13N**±.094	**144.1E**±.32	**50**±18	**4.2b**	**17**	**2-98**
EIDC	IV 04 06 19 17.3	12.3N	144.0E	0	4.3b		**¶97iv0556**
NEIC	IV 04 06 19 21.0	12.17N	143.86E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 11 19 07 33**±2.2	**11.72N**±.038	**142.06E**±.045	**33**±16	**4.8b,4.2s**	**122**	**3-150**
BJI	IV 11 19 07 31.5	11.72N	142.20E	31	5.0b,4.6s		**¶97iv1958**
MOS	IV 11 19 07 31.9	11.7N	142.1E	33	5.2b		
NEIC	IV 11 19 07 32.4	11.73N	142.02E	33	4.9b,4.4s		
EIDC	IV 11 19 07 34.6	11.7N	142.3E	44	4.5b,3.7s		
EIDC	**IV 13 11 58 23.0**	**11.7N**	**145.5E**	**0**	**3.5b**		**33-98**
							¶97iv2235
ISC	**IV 17 07 29 10**±1.1	**11.0N**±.18	**144.7E**±.45	**33**	**3.7b**	**5**	**32-85**
EIDC	IV 17 07 29 06.6	11.0N	145.0E	0	3.4b		**¶97iv2866**
NEIC	IV 17 07 29 09.9	11.04N	144.71E	33	3.5b		
NEIC	Poor solution.						
ISC	**IV 17 19 29 12.0**±.62	**13.13N**±.042	**143.96E**±.057	**138**±5.6	**4.5b**	**99**	**1-149**
BJI	IV 17 19 29 11.0	13.13N	143.98E	129	4.7b		**¶97iv2961**
MOS	IV 17 19 29 11.9	13.1N	144.0E	141	4.7b		
NEIC	IV 17 19 29 12.2	13.14N	143.95E	141	4.7b		
EIDC	IV 17 19 29 12.6	13.2N	144.2E	139	4.2b		
ISC	**IV 22 03 32 11**±1.2	**11.7N**±.16	**144.6E**±.48	**33**	**3.8b**	**5**	**33-70**
EIDC	IV 22 03 32 07.5	11.7N	145.0E	0	3.8b		**¶97iv3631**
ISC	**IV 22 09 09 20**±2.1	**13.44N**±.064	**146.2E**±.16	**58**±18	**4.2b**	**34**	**1-147**
EIDC	IV 22 09 09 14.1	13.5N	146.4E	0	4.3b		**¶97iv3680**
NEIC	IV 22 09 09 17.6	13.44N	146.37E	33	4.3b		
ISC	**IV 28 07 55 29**±1.2	**12.9N**±.11	**145.2E**±.16	**76**±8.5	**3.9b**	**21**	**1-145**
EIDC	IV 28 07 55 21.0	12.9N	145.5E	0	4.0b		**¶97iv4873**
NEIC	IV 28 07 55 29.4	12.89N	145.16E	77	4.2b		
NEIC	Less reliable solution.						
ISC	**V 04 19 32 28.5**±.97	**13.8N**±.14	**142.1E**±.11	**33**	**3.7b**	**9**	**3-89**
EIDC	V 04 19 32 24.0	14.3N	140.1E	0	3.8b		**¶97v0686**
NEIC	V 04 19 32 28.2	13.80N	142.08E	33	3.5b		
NEIC	Less reliable solution.						
ISC	**V 05 10 55 30**±1.3	**12.7N**±.12	**144.5E**±.39	**68**±15	**3.8b**	**10**	**1-84**
EIDC	V 05 10 55 23.3	12.7N	144.7E	0	3.9b,2.7s		**¶97v0774**
NEIC	V 05 10 55 30.2	12.70N	144.78E	75	4.4b		
NEIC	Poor solution.						
ISC	**V 18 06 16 07**±1.2	**12.3N**±.25	**143.9E**±.37	**33**	**3.7b**	**6**	**2-92**
EIDC	V 18 06 16 05.3	12.4N	143.2E	0	3.7b		**¶97v3035**
NEIC	V 18 06 16 07.2	12.32N	143.86E	33			
NEIC	Poor solution.						
EIDC	**V 24 04 13 52.0**	**12.2N**	**143.4E**	**0**	**3.8b**,2.9s		**2-92**
							¶97v4047
ISC	**V 26 14 56 39**±1.9	**12.9N**±.51	**144.2E**±.99	**150**	**3.6b**	**8**	**1-84**
EIDC	V 26 14 56 23.4	12.8N	145.2E	0	3.8b		**¶97v4428**
NEIC	V 26 14 56 39.3	12.89N	144.24E	150	3.7b		
ISC	**V 30 16 40 06.0**±.98	**12.22N**±.091	**144.7E**±.41	**33**	**4.2b**	**8**	**1-50**
EIDC	V 30 16 40 01.1	12.4N	145.2E	0	4.2b		**¶97v5064**
NEIC	V 30 16 40 05.9	12.22N	144.73E	33			
NEIC	Less reliable solution.						
ISC	**VI 05 17 44 03.2**±.76	**12.41N**±.089	**144.0E**±.10	**33**	**4.1b**,4.2s	**23**	**1-156**
MOS	VI 05 17 44 02.8	12.3N	144.2E	33	5.2b		**¶97vi0813**
BJI	VI 05 17 44 03.4	12.37N	143.78E	31	4.9b		
NEIC	VI 05 17 44 03.6	12.48N	144.00E	33	4.3b		
EIDC	VI 05 17 44 05.0	12.4N	143.2E	16	3.9b		
NEIC	Less reliable solution.						
ISC	**VI 06 06 25 37**±1.2	**12.51N**±.060	**141.58E**±.058	**53**±11	**4.8b,4.2s**	**83**	**3-158**
BJI	VI 06 06 25 33.9	12.50N	141.72E	33	4.9b,4.3s		**¶97vi0895**
NEIC	VI 06 06 25 34.3	12.50N	141.51E	31	5.3b,4.3s		
MOS	VI 06 06 25 34.7	12.5N	141.5E	33	5.5b		
EIDC	VI 06 06 25 35.8	12.5N	141.7E	30	4.5b,3.7s		
ISC	**VI 08 13 51 48**±2.0	**11.9N**±.13	**144.7E**±.30	**41**±20	**3.6b**	**11**	**2-145**
NEIC	VI 08 13 51 47.9	11.85N	144.94E	44			**¶97vi1248**
EIDC	VI 08 13 51 50.3	11.9N	144.8E	41	3.4b		
NEIC	Less reliable solution.						
ISC	**VI 17 04 18 36**±1.2	**12.39N**±.054	**143.54E**±.085	**47**±13	**4.3b,4.5s**	**43**	**2-149**
BJI	VI 17 04 18 33.8	12.33N	143.82E	38	4.3b,4.9s		**¶97vi2550**
NEIC	VI 17 04 18 34.3	12.43N	143.38E	33	4.6b		
EIDC	VI 17 04 18 34.6	12.3N	143.6E	27	4.0b,4.1s		
MOS	VI 17 04 18 35.1	12.3N	143.6E	33	4.9b		
ISC	**VI 17 05 26 28**±4.0	**12.40N**±.054	**143.3E**±.11	**23**±30	**4.2b**,4.2s	**35**	**2-149**
EIDC	VI 17 05 26 26.0	12.4N	143.3E	0	4.2b,4.1s		**¶97vi2558**
BJI	VI 17 05 26 28.4	12.21N	143.45E	31	4.4b,4.4s		
MOS	VI 17 05 26 29.3	12.3N	143.5E	33	4.7b		
NEIC	VI 17 05 26 29.5	12.43N	143.35E	33	4.5b		
ISC	**VI 17 05 43 50**±2.5	**11.8N**±.11	**145.4E**±.42	**44**±22	**4.0b**	**10**	**2-70**
NEIC	VI 17 05 43 48.1	11.81N	145.55E	24	4.6b		**¶97vi2559**
EIDC	VI 17 05 43 50.1	11.8N	145.4E	24	3.8b		
NEIC	Less reliable solution.						
ISC	**VI 17 06 52 46**±1.6	**12.3N**±.28	**143.5E**±.42	**21**	**3.7b**	**7**	**2-70**
NEIC	VI 17 06 52 45.7	12.36N	143.45E	21			**¶97vi2565**
EIDC	VI 17 06 52 47.1	12.4N	143.6E	18	3.6b		
NEIC	Less reliable solution.						
ISC	**VI 18 14 48 54**±1.5	**11.7N**±.21	**145.6E**±.35	**33**	**3.5b**	**4**	**33-70**
EIDC	VI 18 14 48 51.3	11.7N	145.6E	0	3.6b		**¶97vi2799**
ISC	Poorly determined						
ISC	**VI 18 16 47 16**±3.3	**12.40N**±.037	**143.33E**±.047	**9**±20	**4.7b,4.7s**	**101**	**2-156**
BJI	VI 18 16 47 14.7	12.34N	143.41E	10	4.8b,5.0s		**¶97vi2808**
MOS	VI 18 16 47 14.8	12.4N	143.3E	10	5.2b		
NEIC	VI 18 16 47 15.6	12.42N	143.25E	10	5.0b		
EIDC	VI 18 16 47 18.0	12.4N	143.4E	19	4.4b,4.5s		
HRVD	VI 18 16 47 18.9±.3	12.28N±.03	143.45E±.03	15			
NEIC	Mw5.4(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c64; Half duration: 1$\frac{1}{2}$. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.55±.29; $M_{\theta\theta}$−5.91±.36; $M_{\phi\phi}$7.46±.44; $M_{r\theta}$−8.47±1.08; $M_{r\phi}$0.25±1.06; $M_{\theta\phi}$−9.49±.28. Principal Axes: T 13.7,Plg18°,Azm237°; N 1.4,Plg54°,Azm121°; P −15.1,Plg30°,Azm337°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_s14°,δ56°,λ−10°. NP2:ϕ_s109°,δ82°,λ−145°.						
ISC	**VI 18 16 49 34**±1.2	**12.4N**±.16	**143.2E**±.23	**10**	**4.2b**	**10**	**2-85**
NEIC	VI 18 16 49 33.6	12.30N	143.30E	10	4.5b		**¶97vi2809**
EIDC	VI 18 16 49 37.9	12.3N	145.2E	0	4.1b		
NEIC	Less reliable solution.						
ISC	**VI 18 17 12 21**±1.8	**13.6N**±.46	**143.2E**±.14	**10**	**3.9b**	**6**	**2-84**
NEIC	VI 18 17 12 21.1	13.63N	143.23E	10	3.8b		**¶97vi2810**
EIDC	VI 18 17 12 22.1	13.8N	143.2E	0	3.8b		
NEIC	Poor solution.						
ISC	**VI 18 20 48 26**±6.3	**12.4N**±.14	**143.4E**±.23	**18**±48	**3.9b**,3.6s	**12**	**2-85**
NEIC	VI 18 20 48 24.4	12.37N	143.42E	10	4.7b		**¶97vi2829**
EIDC	VI 18 20 48 27.8	12.4N	143.6E	24	3.5b,3.3s		
NEIC	Less reliable solution.						
ISC	**VI 19 22 18 04**±4.4	**12.43N**±.061	**143.36E**±.067	**13**±26	**4.5b**,4.3s	**53**	**2-169**
BJI	VI 19 22 18 01.9	12.37N	143.41E	6	4.6b		**¶97vi2962**
MOS	VI 19 22 18 03.0	12.4N	143.3E	10	5.0b		
NEIC	VI 19 22 18 03.5	12.45N	143.32E	10	4.7b		
EIDC	VI 19 22 18 07.4	12.4N	143.6E	27	4.3b		
ISC	**VI 19 22 25 30.3**±.68	**12.01N**±.096	**144.1E**±.17	**24**	**4.0b**	**12**	**2-85**
NEIC	VI 19 22 25 28.3	11.99N	144.06E	10	3.6b		**¶97vi2964**
EIDC	VI 19 22 25 33.6	11.9N	143.8E	24	3.8b		
NEIC	Less reliable solution.						
ISC	**VI 20 18 41 54**±7.4	**12.27N**±.095	**143.5E**±.16	**8**±46	**3.9b**	**15**	**2-98**
NEIC	VI 20 18 41 54.0	12.27N	143.52E	10	3.9b		**¶97vi3098**
EIDC	VI 20 18 41 57.2	12.4N	143.6E	18	3.8b		
ISC	**VI 21 11 45 16**±1.3	**12.3N**±.24	**143.6E**±.40	**33**	**3.5b**	**8**	**2-85**
EIDC	VI 21 11 45 13.5	12.3N	143.8E	0	3.5b		**¶97vi3209**
NEIC	VI 21 11 45 16.2	12.30N	143.57E	33			
NEIC	Less reliable solution.						
ISC	**VI 23 16 10 14**±1.3	**12.25N**±.046	**143.41E**±.074	**36**±13	**4.2b,4.6s**	**51**	**2-123**
BJI	VI 23 16 10 11.6	12.21N	143.55E	26	4.9b,4.7s		**¶97vi3557**
NEIC	VI 23 16 10 12.3	12.26N	143.49E	27	4.6b,4.4s		
MOS	VI 23 16 10 13.3	12.2N	143.4E	33	4.9b		
EIDC	VI 23 16 10 13.7	12.3N	143.6E	26	4.1b		
ISC	**VI 23 17 35 06**±1.2	**11.73N**±.094	**145.3E**±.30	**33**	**3.5b**	**7**	**2-70**
EIDC	VI 23 17 35 02.9	11.6N	145.5E	0	3.5b		**¶97vi3567**
ISC	**VI 24 03 41 15**±2.7	**12.30N**±.053	**143.38E**±.075	**26**±21	**4.2b,4.5s**	**36**	**2-123**
EIDC	VI 24 03 41 12.1	12.3N	143.6E	0	4.2b,4.1s		**¶97vi3629**
BJI	VI 24 03 41 15.3	12.27N	143.80E	38	4.4b,4.8s		
NEIC	VI 24 03 41 15.7	12.29N	143.27E	33	4.5b		
MOS	VI 24 03 41 16.7	12.3N	143.4E	33	4.8b,4.5s		
NEIC	Less reliable solution.						
ISC	**VI 28 20 30 29**±2.8	**12.8N**±.17	**145.8E**±.50	**154**±17	**3.7b**	**11**	**1-93**
EIDC	VI 28 20 30 17.7	13.7N	146.0E	0	3.9b		**¶97vi4519**

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JMA	**I 03 02 32 49.6**±.5	**33.46N**±.07	**138.16E**±.08	**329**			**¶97i0302**
ISC	**I 04 09 08 16**±2.1	**32.9N**±.18	**140.0E**±.16	**169**		**29**	**0-7**
JMA	I 04 09 08 15.4±.4	32.90N±.03	139.97E±.04	169±3			**¶97i0512**
ISC	**I 04 14 39 08**±4.1	**30.69N**±.099	**140.9E**±.34	**27**±31	**3.6b**	**9**	**4-94**
EIDC	I 04 14 39 05.9	30.7N	140.9E	0	3.6b,2.5L		**¶97i0546**
NEIC	I 04 14 39 08.4	30.70N	140.73E	33			
NEIC	Poor solution.						
ISC	**I 05 05 00 09**±4.8	**33.9N**±.37	**139.3E**±.49	**195**		**8**	**1-4**
JMA	I 05 05 00 09.9±.5	34.02N±.04	139.39E±.07	195			**¶97i0619**
ISC	**I 07 21 11 46**±1.1	**34.00N**±.074	**140.33E**±.090	**50**		**25**	**1-3**
JMA	I 07 21 11 45.8±.2	34.03N±.01	140.28E±.01	50±5	3.0		**¶97i0975**
ISC	**I 08 06 29 42**±4.2	**32.9N**±.28	**141.2E**±.22	**71**±38		**33**	**1-7**
JMA	I 08 06 29 47.1±.3	33.22N±.02	140.88E±.02	52	3.4		**¶97i1031**
ISC	**I 08 23 40 26**±1.1	**33.77N**±.075	**139.3E**±.14	**20**±18		**12**	**0-2**
JMA	I 08 23 40 26.6±.1	33.77N±.01	139.26E±.02	20±4	2.9		**¶97i1138**
ISC	**I 08 23 46 01**±1.5	**33.72N**±.055	**139.29E**±.050	**13**±11		**42**	**0-5**
JMA	I 08 23 46 01.8±.1	33.76N±.01	139.31E±.01	23±2	3.2		**¶97i1139**
ISC	**I 09 11 09 57**±4.2	**33.6N**±.15	**140.8E**±.23	**11**±41		**21**	**1-6**
JMA	I 09 11 09 57.2±.4	33.56N±.02	140.79E±.03	55	3.0		**¶97i1204**
JMA	**I 09 16 02 06.7**±.3	**32.92N**±.03	**139.52E**±.06	**201**			**¶97i1243**
ISC	**I 10 22 15 06**±2.8	**33.4N**±.27	**140.6E**±.24	**5**±29		**20**	**1-3**
JMA	I 10 22 15 08.1±.2	33.39N±.02	140.54E±.02	45	3.0		**¶97i1434**
ISC	**I 11 13 47 41**±2.7	**32.8N**±.22	**140.3E**±.24	**152**		**27**	**1-7**
JMA	I 11 13 47 41.9±.4	32.79N±.04	140.12E±.05	152			**¶97i1531**
JMA	**I 11 19 06 30.3**±.5	**33.21N**±.03	**140.46E**±.06	**66**			**¶97i1563**
JMA	**I 12 18 26 06.3**±.3	**31.53N**±.02	**141.29E**±.05	**125**			**¶97i1726**
JMA	**I 14 13 51 15.7**±.5	**30.20N**±.04	**139.50E**±.08	**379**			**¶97i2000**
JMA	**I 14 21 00 45.5**±.4	**33.80N**±.03	**139.04E**±.05	**286**			**¶97i2057**
ISC	**I 16 14 57 12.2**±.61	**30.89N**±.075	**138.7E**±.12	**393**±9.0	**3.3b**	**42**	**2-70**
NEIC	I 16 14 57 12.9	30.91N	138.67E	400	3.8b		**¶97i2326**
JMA	I 16 14 57 13.3±.3	31.03N±.02	139.20E±.08	408			
EIDC	I 16 14 57 13.6	30.9N	138.6E	386	2.9b		
NEIC	Less reliable solution.						
ISC	**I 20 05 23 37**±9.1	**33.5N**±.80	**139.8E**±.63	**187**		**6**	**1-3**
JMA	I 20 05 23 38.3±.4	33.56N±.04	139.84E±.03	187			**¶97i2944**
JMA	**I 20 20 19 08.0**±.3	**33.64N**±.03	**139.49E**±.06	**188**			**¶97i3076**
JMA	**I 22 02 04 32.1**±.8	**33.95N**±.05	**140.65E**±.03	**30**	**2.8**		**¶97i3266**
ISC	**I 24 17 24 34.7**±.32	**31.35N**±.041	**138.35E**±.047	**417**±3.3	**3.7b**	**127**	**2-96**
EIDC	I 24 17 24 34.0	31.3N	138.3E	393	3.4b		**¶97i3670**
NEIC	I 24 17 24 34.1	31.30N	138.20E	408	3.9b		
JMA	I 24 17 24 34.2±.2	31.43N±.02	138.42E±.02	435±3			
ISC	**I 25 16 49 32**±2.8	**32.9N**±.25	**140.2E**±.34	**143**		**10**	**0-4**
JMA	I 25 16 49 32.4±.4	32.86N±.02	140.20E±.03	143±3			**¶97i3833**
ISC	**I 26 15 13 12**±1.2	**32.92N**±.089	**141.2E**±.24	**91**	3.5b	**10**	**1-57**
JMA	I 26 15 13 12.0±.6	32.91N±.03	141.20E±.05	91			**¶97i3956**
EIDC	I 26 15 13 16.7	33.7N	134.5E	138	3.2b,3.2L		
ISC	**I 27 09 56 26.1**±.67	**32.90N**±.067	**139.52E**±.056	**225**±5.5	**3.7b**	**89**	**0-72**
NEIC	I 27 09 56 24.3	32.75N	139.59E	200			**¶97i4074**
EIDC	I 27 09 56 25.7	32.8N	139.6E	193	3.6b		
JMA	I 27 09 56 26.9±.3	32.95N±.02	139.47E±.02	224±2			
NEIC	Single network solution.						
ISC	**I 29 19 52 42.4**±.87	**30.9N**±.12	**141.9E**±.26	**33**	**3.5b**	**7**	**6-94**
EIDC	I 29 19 52 39.6	30.9N	142.1E	0	3.4b,3.6L		**¶97i4392**
NEIC	I 29 19 52 42.4	30.94N	141.89E	33			
NEIC	Single network solution.						
ISC	**I 29 21 41 19**±1.7	**29.55N**±.099	**138.9E**±.21	**459**±19	**3.4b**	**14**	**7-80**
NEIC	I 29 21 41 17.7	29.54N	138.89E	450	3.6b		**¶97i4403**
EIDC	I 29 21 41 20.4	29.6N	138.8E	465	3.0b		
NEIC	Less reliable solution.						
ISC	**I 31 14 22 39.2**±.60	**31.19N**±.076	**138.6E**±.12	**379**±6.0	**3.2b**	**45**	**2-92**
JMA	I 31 14 22 35.7±.3	31.21N±.04	138.71E±.07	454			**¶97i4638**
NEIC	I 31 14 22 38.9	31.19N	138.43E	371			
EIDC	I 31 14 22 39.5	31.2N	138.5E	363	3.0b		
NEIC	Less reliable solution.						
ISC	**I 31 19 21 25.9**±.61	**33.37N**±.050	**139.14E**±.041	**45**±9.7	**3.4b**	**102**	**1-68**
EIDC	I 31 19 21 19.7	33.1N	139.1E	0	3.5b,3.1L		**¶97i4664**
NEIC	I 31 19 21 20.9	33.08N	139.33E	21	3.3b		
JMA	I 31 19 21 25.6±.2	33.41N±.02	139.13E±.01	34±5	4.2		
NEIC	Less reliable solution.						
JMA	**I 31 20 27 59.9**±.4	**33.36N**±.02	**139.06E**±.03	**29**	**3.2**		**¶97i4673**

ISC	**II**	**02 01 46 11.3**±.61	**30.55N**±.070	**138.5E**±.20	**427**±9.0	**3.5b**	**37**	**3-79**
NEIC	II	02 01 46 11.0	30.56N	138.56E	426	3.6b		**¶97ii0155**
EIDC	II	02 01 46 11.1	30.6N	138.6E	407	3.2b		
NEIC	Less reliable solution.							
ISC	**II**	**02 08 07 07.7**±.57	**33.70N**±.053	**140.00E**±.060	**116**±4.8	**3.7b**	**70**	**1-93**
NEIC	II	02 08 07 08.2	33.70N	140.05E	117			**¶97ii0194**
EIDC	II	02 08 07 09.6	33.9N	140.5E	117	3.5b		
JMA	II	02 08 07 09.7±.2	33.72N±.01	139.84E±.01	99±2	3.0		
NEIC	Less reliable solution.							
ISC	**II**	**03 05 57 50**±2.7	**31.23N**±.041	**142.06E**±.083	**7**±17	**4.1b**,3.8s	**88**	**4-149**
BJI	II	03 05 57 51.9	31.23N	141.81E	31	4.3b,4.3s		**¶97ii0328**
JMA	II	03 05 57 52.8±.2	31.21N±.01	142.12E±.07	54	3.8		
MOS	II	03 05 57 53.1	31.3N	142.0E	33	4.7b		
NEIC	II	03 05 57 53.8	31.16N	141.90E	33	4.2b		
EIDC	II	03 05 57 55.5	31.1N	142.1E	31	3.9b,3.9L		
ISC	**II**	**04 09 13 56**±3.4	**33.2N**±.29	**138.0E**±.11	**54**		**12**	**1-2**
JMA	II	04 09 13 56.2±.3	33.30N±.02	138.04E±.01	54±3	2.8		**¶97ii0492**
ISC	**II**	**04 14 50 43**±8.0	**32.0N**±.56	**138.6E**±.25	**370**±46		**30**	**2-8**
JMA	II	04 14 50 43.2±.3	32.00N±.03	138.52E±.05	382			**¶97ii0550**
ISC	**II**	**06 05 26 04.3**±.53	**30.66N**±.060	**139.0E**±.11	**403**±7.0	**3.5b**	**58**	**3-79**
NEIC	II	06 05 26 04.1	30.67N	138.77E	400	3.5b		**¶97ii0799**
EIDC	II	06 05 26 05.4	30.8N	138.9E	408	3.2b		
JMA	II	06 05 26 07.0±.4	30.94N±.04	139.07E±.04	405±5			
NEIC	Less reliable solution.							
ISC	**II**	**07 03 55 20**±4.3	**31.27N**±.068	**142.3E**±.15	**1**±28	**3.8b**	**33**	**4-93**
NEIC	II	07 03 55 24.0	31.24N	141.99E	33			**¶97ii0940**
EIDC	II	07 03 55 27.0	31.1N	142.1E	54	3.4b,3.4L		
JMA	II	07 03 55 27.8±.5	31.80N±.03	142.65E±.05	42	3.4		
NEIC	Less reliable solution.							
ISC	**II**	**07 08 16 06**±3.5	**32.6N**±.33	**138.8E**±.25	**336**		**21**	**3-7**
JMA	II	07 08 16 07.2±.3	32.71N±.03	138.76E±.04	336±3			**¶97ii0967**
ISC	**II**	**07 12 50 00**±2.9	**31.19N**±.067	**142.0E**±.28	**25**±23	**3.9b**	**30**	**4-93**
EIDC	II	07 12 49 59.4	31.1N	141.8E	0	3.9b,3.3L		**¶97ii0988**
NEIC	II	07 12 50 01.9	31.10N	141.68E	33	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**07 15 55 24**±1.7	**29.2N**±.45	**143.7E**±.91	**40**	**3.4b**	**4**	**3-55**
EIDC	II	07 15 55 26.2	29.3N	143.5E	40	3.1b,2.3L		**¶97ii1009**
ISC	Poorly determined							
ISC	**II**	**07 20 58 45**±3.7	**33.2N**±.22	**140.6E**±.24	**40**		**23**	**1-4**
JMA	II	07 20 58 46.5±.3	33.29N±.01	140.48E±.02	40	3.0		**¶97ii1038**
JMA	**II**	**09 09 15 05.0**±.6	**32.54N**±.05	**138.30E**±.07	**373**			**¶97ii1287**
ISC	**II**	**10 19 54 52.0**±.52	**30.88N**±.040	**142.43E**±.080	**48**	**4.0b**	**94**	**3-149**
EIDC	II	10 19 54 48.9	30.6N	142.1E	0	3.9b,3.8L		**¶97ii1509**
BJI	II	10 19 54 51.8	30.60N	141.77E	31	4.2b		
MOS	II	10 19 54 52.2	30.6N	142.0E	33	4.7b		
NEIC	II	10 19 54 52.2	30.57N	141.85E	33	4.2b		
JMA	II	10 19 54 52.3±.4	30.92N±.03	142.35E±.03	48	3.9		
ISC	**II**	**11 09 46 58.9**±.59	**33.88N**±.031	**138.82E**±.028	**23**±4.8	**3.9b**	**160**	**0-94**
EIDC	II	11 09 46 56.1	33.8N	138.9E	0	3.9b,3.7L		**¶97ii1614**
BJI	II	11 09 46 59.0	33.87N	139.11E	35	4.5b,4.4s		
JMA	II	11 09 46 59.5±.1	33.91N±.01	138.82E±.01	31±3	4.2		
MOS	II	11 09 46 59.7	33.9N	138.9E	33	4.9b		
NEIC	II	11 09 47 00.0	33.87N	138.86E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**II**	**11 23 44 34**±1.3	**31.3N**±.14	**140.4E**±.37	**33**	**3.4b**	**5**	**6-69**
EIDC	II	11 23 44 31.2	31.2N	140.7E	0	3.4b		**¶97ii1686**
ISC	**II**	**13 06 01 58.9**±.86	**33.43N**±.071	**140.34E**±.076	**108**±7.5	**3.6b**	**60**	**1-93**
EIDC	II	13 06 01 49.3	33.1N	141.0E	0	3.6b,3.6L		**¶97ii1880**
NEIC	II	13 06 01 51.9	33.13N	140.87E	33			
JMA	II	13 06 02 00.8±.2	33.42N±.01	140.14E±.01	92±2			
NEIC	Less reliable solution.							
ISC	**II**	**15 12 06 31**±3.8	**31.6N**±.24	**142.3E**±.15	**65**±22	**3.7b**	**59**	**3-93**
JMA	II	15 12 06 19.7±.3	30.74N±.01	142.43E±.06	79			**¶97ii2228**
EIDC	II	15 12 06 20.7	30.8N	141.9E	0	3.9b,4.5L		
NEIC	II	15 12 06 23.4	30.77N	141.87E	33			
NEIC	Less reliable solution.							
ISC	**II**	**15 21 30 18**±2.1	**31.4N**±.12	**138.8E**±.25	**356**±24		**32**	**2-8**
JMA	II	15 21 30 18.7±.3	31.53N±.03	139.24E±.07	379			**¶97ii2296**
ISC	**II**	**18 18 23 51.8**±.49	**31.02N**±.060	**138.61E**±.065	**415**±5.1	**3.6b**	**73**	**2-74**
NEIC	II	18 18 23 51.4	30.99N	138.46E	405	4.0b		**¶97ii2678**
EIDC	II	18 18 23 52.1	31.0N	138.6E	400	3.4b		
JMA	II	18 18 23 52.9±.4	31.21N±.04	138.57E±.03	427			
ISC	**II**	**19 10 09 24**±1.5	**32.3N**±.16	**141.4E**±.28	**195**±20	**3.3b**	**9**	**5-130**
NEIC	II	19 10 09 18.0	32.81N	141.87E	100			**¶97ii2763**
EIDC	II	19 10 09 25.4	32.2N	141.2E	190	3.3b		
NEIC	Poor solution.							
ISC	**II**	**19 10 52 26**±1.1	**30.3N**±.13	**138.6E**±.16	**410**±15	**3.4b**	**17**	**5-123**
NEIC	II	19 10 52 24.7	30.32N	138.57E	400	3.8b		**¶97ii2770**
EIDC	II	19 10 52 27.1	30.2N	138.6E	417	3.1b		
NEIC	Less reliable solution.							
ISC	**II**	**20 07 40 41**±5.7	**30.5N**±.11	**142.2E**±.42	**19**±45	**3.8b**	**6**	**3-55**
EIDC	II	20 07 40 40.2	30.4N	142.3E	0	3.7b,3.3L		**¶97ii2895**
NEIC	II	20 07 40 42.8	30.50N	142.14E	33			
NEIC	Single network solution.							
ISC	**II**	**20 09 21 56**±4.2	**32.9N**±.29	**139.3E**±.16	**243**±24		**41**	**0-7**
JMA	II	20 09 21 54.2±.3	32.77N±.04	139.20E±.05	260			**¶97ii2901**
ISC	**II**	**20 21 25 10**±5.7	**33.7N**±.33	**139.9E**±.49	**185**±56		**16**	**1-6**
JMA	II	20 21 25 13.1±.2	33.87N±.02	139.69E±.06	152			**¶97ii2981**
ISC	**II**	**21 01 37 19**±3.7	**33.0N**±.40	**138.7E**±.32	**339**		**12**	**2-5**
JMA	II	21 01 37 19.1±.6	33.11N±.07	138.58E±.07	339			**¶97ii2999**
ISC	**II**	**25 00 02 02**±4.7	**33.2N**±.30	**140.2E**±.31	**169**±40		**22**	**0-7**
JMA	II	25 00 02 04.1±.2	33.32N±.02	140.18E±.05	149			**¶97ii3556**
ISC	**II**	**25 18 59 59.9**±.90	**32.33N**±.054	**141.42E**±.072	**46**±7.8	**4.0b**	**74**	**2-149**
JMA	II	25 18 59 58.2±.2	32.30N±.02	141.39E±.02	29	3.8		**¶97ii3673**
BJI	II	25 19 00 02.9	32.50N	141.03E	68	4.3b		
NEIC	II	25 19 00 03.2	32.38N	141.07E	70			
EIDC	II	25 19 00 06.2	32.4N	140.9E	78	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**26 00 45 43.8**±.88	**31.2N**±.10	**140.0E**±.33	**200**	**3.2b**	**9**	**6-83**
EIDC	II	26 00 45 25.9	30.7N	142.2E	0	3.6b,4.1L		**¶97ii3718**
NEIC	II	26 00 45 43.7	31.18N	139.69E	200	4.1b		
NEIC	Less reliable solution.							
ISC	**II**	**27 19 30 58.6**±.32	**29.54N**±.025	**142.18E**±.060	**38**±3.3*	**4.4b,4.3s**	**149**	**2-151**
EIDC	II	27 19 30 56.0	29.4N	142.0E	0	4.3b,4.0L		**¶97ii4000**
BJI	II	27 19 30 57.6	29.40N	142.03E	35	4.5b,4.3s		
JMA	II	27 19 30 58.0±.1	29.46N±.01	142.44E±.05	96			
MOS	II	27 19 30 59.1	29.4N	142.0E	33	4.7b		
NEIC	II	27 19 30 59.2	29.42N	141.94E	33	4.7b,4.4s		
ISC	**II**	**27 21 53 55**±4.6	**33.3N**±.30	**138.4E**±.12	**329**±32		**36**	**1-7**
JMA	II	27 21 53 59.7±.4	33.59N±.03	138.37E±.02	299±3			**¶97ii4027**
JMA	**III**	**01 03 19 18.8**±.8	**32.82N**±.04	**140.87E**±.06	**78**			**¶97iii0027**
ISC	**III**	**01 14 02 47.3**±.55	**32.29N**±.042	**140.37E**±.049	**106**±5.0	**4.1b**	**103**	**1-154**
JMA	III	01 14 02 45.4±.3	32.17N±.02	140.47E±.03	131±4			**¶97iii0123**
MOS	III	01 14 02 47.2	32.2N	140.2E	96	4.4b		
NEIC	III	01 14 02 47.3	32.20N	140.15E	102	4.4b		
EIDC	III	01 14 02 48.8	32.2N	140.2E	105	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**04 12 36 29**±4.6	**32.7N**±.32	**139.4E**±.18	**239**±27		**25**	**1-7**
JMA	III	04 12 36 32.2±.3	32.96N±.03	139.53E±.05	219			**¶97iii0844**
ISC	**III**	**05 00 30 49**±3.1	**33.6N**±.25	**139.4E**±.30	**212**		**18**	**2-6**
JMA	III	05 00 30 49.5±.5	33.61N±.04	139.38E±.03	212±3			**¶97iii0949**
ISC	**III**	**06 03 41 17.2**±.82	**31.21N**±.087	**142.4E**±.22	**33**	**3.8b**	**11**	**4-63**
EIDC	III	06 03 41 15.0	31.3N	142.6E	0	3.8b,3.3L		**¶97iii1181**
NEIC	III	06 03 41 17.2	31.21N	142.35E	33			
NEIC	Less reliable solution.							
ISC	**III**	**06 06 00 59.7**±.51	**31.20N**±.070	**141.6E**±.15	**33**	**4.0b**	**19**	**4-94**
EIDC	III	06 06 00 55.8	31.3N	141.9E	0	4.0b,3.3L		**¶97iii1209**
NEIC	III	06 06 00 59.6	31.20N	141.64E	33			
NEIC	Less reliable solution.							
ISC	**III**	**07 17 58 44.6**±.95	**33.45N**±.068	**138.86E**±.058	**285**±11		**62**	**1-7**
JMA	III	07 17 58 46.8±.3	33.56N±.02	138.79E±.02	267±3			**¶97iii1564**
ISC	**III**	**08 21 21 36**±4.1	**30.1N**±.31	**138.8E**±.95	**408**		**10**	**4-8**
JMA	III	08 21 21 38.4±.3	30.31N±.03	139.42E±.08	408			**¶97iii1836**
ISC	**III**	**11 07 17 07.6**±.86	**32.96N**±.075	**142.63E**±.074	**54**	**3.9b**	**65**	**2-92**
EIDC	III	11 07 17 00.4	32.4N	142.8E	0	3.8b,3.3L		**¶97iii2331**
NEIC	III	11 07 17 03.2	32.39N	142.52E	33	4.4b		
JMA	III	11 07 17 03.7±.4	32.67N±.03	142.68E±.03	54	4.1		
NEIC	Less reliable solution.							
ISC	**III**	**11 13 14 13**±5.8	**33.7N**±.29	**139.4E**±.33	**164**±60		**9**	**1-4**
JMA	III	11 13 14 13.4±.2	33.67N±.02	139.44E±.04	165			**¶97iii2381**
ISC	**III**	**12 06 18 09**±5.9	**29.63N**±.079	**142.2E**±.15	**2**±35	**4.1b**,3.8s	**42**	**5-151**
EIDC	III	12 06 18 11.0	29.6N	142.4E	0	4.1b,4.2L		**¶97iii2486**
MOS	III	12 06 18 13.7	29.6N	142.2E	33	4.6b		
NEIC	III	12 06 18 14.0	29.65N	142.04E	33	4.2b		
JMA	III	12 06 18 19.0±.5	30.30N±.03	142.84E±.06	117			
NEIC	Less reliable solution.							
ISC	**III**	**12 18 26 55**±1.7	**33.9N**±.14	**139.7E**±.34	**139**		**5**	**1-3**
JMA	III	12 18 26 55.3±.2	33.99N±.01	139.67E±.05	139			**¶97iii2571**
ISC	**III**	**13 07 59 04**±2.1	**33.3N**±.24	**140.0E**±.44	**109**		**7**	**0-2**
JMA	III	13 07 59 04.4±.2	33.35N±.02	140.08E±.04	109			**¶97iii2669**
ISC	Poorly determined							
ISC	**III**	**16 04 12 53**±2.0	**33.9N**±.15	**139.6E**±.56	**137**		**6**	**1-3**
JMA	III	16 04 12 54.1±.2	33.86N±.01	139.72E±.07	137			**¶97iii3162**
ISC	Poorly determined							
JMA	**III**	**17 17 38 31.0**±.3	**30.30N**±.02	**138.87E**±.07	**399**			**¶97iii3410**
EIDC	III	17 17 37 45.4	30.3N	137.7E	0	3.6b		
ISC	**III**	**18 15 06 21**±3.2	**33.2N**±.29	**138.6E**±.14	**61**		**12**	**1-2**
JMA	III	18 15 06 20.5±.3	33.15N±.02	138.63E±.02	61			**¶97iii3556**
JMA	**III**	**19 04 27 07.0**±.4	**32.77N**±.05	**138.04E**±.05	**347**			**¶97iii3628**
ISC	**III**	**19 08 48 38**±4.2	**32.1N**±.38	**139.7E**±.28	**241**		**16**	**1-5**
JMA	III	19 08 48 37.9±.6	32.04N±.05	139.73E±.08	241			**¶97iii3673**
ISC	**III**	**22 08 41 50.0**±.70	**29.29N**±.099	**143.0E**±.25	**33**	**3.9b**	**10**	**8-94**
EIDC	III	22 08 41 47.0	29.3N	143.3E	0	3.8b,4.0L		**¶97iii4233**
NEIC	III	22 08 41 49.9	29.31N	143.03E	33	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**24 05 28 04**±1.5	**33.1N**±.12	**140.6E**±.20	**76**±16	**3.6b**	**16**	**1-57**
EIDC	III	24 05 28 01.0	32.7N	139.9E	0	3.5b,3.5L		**¶97iii4534**
JMA	III	24 05 28 06.8±.2	33.26N±.02	140.57E±.02	47	3.4		
ISC	**III**	**26 21 04 00**±6.3	**33.2N**±.34	**140.0E**±.33	**197**±48		**12**	**0-5**
JMA	III	26 21 04 03.6±.3	33.36N±.03	139.98E±.07	166			**¶97iii5078**
ISC	**III**	**28 17 15 11**±2.2	**32.9N**±.28	**138.1E**±.28	**355**		**8**	**1-4**
JMA	III	28 17 15 12.2±.3	33.15N±.05	138.04E±.05	355			**¶97iii5463**
ISC	**III**	**29 07 33 35**±1.6	**30.0N**±.14	**139.1E**±.25	**428**±20	**3.3b**	**9**	**4-80**
NEIC	III	29 07 33 34.6	30.01N	139.07E	429			**¶97iii5554**
EIDC	III	29 07 33 35.2	30.0N	139.0E	415	3.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**04 19 09 33.9**±.71	**30.79N**±.054	**142.2E**±.19	**14**	**3.9b**	**33**	**3-75**
NEIC	IV	04 19 09 35.7	30.53N	141.16E	10	4.0b		**¶97iv0648**
EIDC	IV	04 19 09 36.0	30.5N	141.3E	0	4.0b,3.4L		
JMA	IV	04 19 09 39.3±.4	31.20N±.03	141.94E±.04	14	3.6		
NEIC	Poor solution.							
JMA	**IV**	**05 19 34 02.2**±.3	**33.13N**±.03	**138.41E**±.04	**305**			**¶97iv0837**
ISC	**IV**	**06 19 35 57**±1.0	**30.1N**±.13	**139.2E**±.38	**441**±12	**3.5b**	**21**	**3-80**
EIDC	IV	06 19 35 16.4	30.0N	135.9E	0	4.0b,3.3s		**¶97iv1045**
JMA	IV	06 19 35 59.0±.6	30.44N±.06	139.32E±.08	466			
ISC	**IV**	**06 22 40 14**±2.6	**31.16N**±.061	**141.8E**±.12	**32**±19	**3.8b**,4.0s	**46**	**3-93**
BJI	IV	06 22 40 12.4	31.22N	141.90E	30	4.1b,4.2s		**¶97iv1065**
NEIC	IV	06 22 40 13.9	31.18N	141.79E	33	3.9b,3.7s		
EIDC	IV	06 22 40 15.7	31.1N	142.0E	35	3.6b,3.5L		
JMA	IV	06 22 40 17.9±1.2	31.73N±.07	142.13E±.12	25	3.6		
ISC	**IV**	**07 00 57 07**±3.7	**31.16N**±.074	**141.7E**±.16	**24**±28	**3.8b**	**18**	**4-93**
NEIC	IV	07 00 57 08.9	31.16N	141.70E	42	4.2b		**¶97iv1084**
BJI	IV	07 00 57 10.1	31.26N	141.60E	67	4.0b		
EIDC	IV	07 00 57 10.7	31.2N	141.8E	37	3.6b,3.7L		
NEIC	Less reliable solution.							
ISC	**IV**	**07 22 00 31**±2.5	**29.6N**±.21	**141.9E**±.72	**33**	**3.8b**	**5**	**8-54**
EIDC	IV	07 22 00 30.3	29.5N	141.3E	0	3.8b,4.0L		**¶97iv1236**
ISC	**IV**	**08 20 21 58**±2.4	**34.0N**±.11	**140.1E**±.12	**87**±25		**22**	**1-3**
JMA	IV	08 20 21 57.7±.2	33.95N±.01	140.14E±.02	93±3			**¶97iv1399**
ISC	**IV**	**09 03 50 30.6**±.40	**33.12N**±.025	**140.72E**±.031	**68**±3.4	**4.8b**	**316**	**1-163**
BJI	IV	09 03 50 29.3	33.14N	140.74E	76	4.5b,4.2s		**¶97iv1453**
MOS	IV	09 03 50 29.4	33.1N	140.6E	63	5.3b		
NEIC	IV	09 03 50 30.2	33.04N	140.42E	67	5.1b		
EIDC	IV	09 03 50 31.7	33.0N	140.6E	67	4.5b,3.4s		
JMA	IV	09 03 50 32.7±.2	33.20N±.01	140.57E±.02	64±4	4.7		
NEIC	Felt I=III J on Hachijo-jima.							
ISC	**IV**	**09 23 36 14**±1.7	**33.9N**±.18	**139.7E**±.42	**192**		**6**	**1-3**
JMA	IV	09 23 36 14.3±.3	33.94N±.01	139.62E±.03	192±3			**¶97iv1598**
ISC	**IV**	**11 02 36 03.8**±.45	**30.24N**±.050	**139.54E**±.076	**342**±3.9	**4.0b**	**99**	**3-151**
NEIC	IV	11 02 36 03.0	30.20N	139.23E	329	4.3b		**¶97iv1786**
EIDC	IV	11 02 36 03.6	30.3N	139.3E	315	3.6b		
JMA	IV	11 02 36 03.7±.2	30.32N±.02	139.76E±.03	357			
ISC	**IV**	**12 06 43 24.4**±.82	**30.93N**±.089	**138.1E**±.14	**424**±11	**3.3b**	**17**	**5-73**
NEIC	IV	12 06 43 23.5	30.86N	137.96E	400	2.9b		**¶97iv2020**
EIDC	IV	12 06 43 25.7	31.0N	138.3E	416	3.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**13 01 57 58**±1.3	**31.0N**±.14	**143.0E**±.15	**29**	**3.9b**	**39**	**3-93**
EIDC	IV	13 01 57 52.1	30.5N	142.9E	0	3.9b,3.5L		**¶97iv2172**
NEIC	IV	13 01 57 55.2	30.49N	142.71E	33	3.5b		
JMA	IV	13 01 57 59.6±.4	31.21N±.02	143.08E±.03	29	3.4		
NEIC	Less reliable solution.							

Agency	Origin Time mo	d	h	m	s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**14**	**07**	**08**	**54.1**±.79	**33.88N**±.056	**138.78E**±.046	**16**±9.2		**37**	**0-4**
JMA	IV	14	07	08	54.6±.2	33.91N±.01	138.81E±.01	27±4	3.0		¶97iv2407
ISC	**IV**	**15**	**09**	**54**	**09.5**±.27	**30.26N**±.030	**138.61E**±.035	**441**±2.8	**4.5b**	**246**	**3-154**
BJI	IV	15	09	54	07.4	30.18N	138.50E	434	4.7b		¶97iv2588
MOS	IV	15	09	54	08.0	30.2N	138.5E	429	4.8b		
NEIC	IV	15	09	54	08.6	30.24N	138.44E	432	4.8b		
JMA	IV	15	09	54	08.9±.1	30.30N±.01	138.78E±.01	455±2	5.0		
EIDC	IV	15	09	54	09.0	30.3N	138.6E	429	3.9b		
ISC	**IV**	**18**	**19**	**50**	**33**±1.5	**31.0N**±.17	**139.1E**±.36	**600**	**3.0b**	**5**	**6-55**
EIDC	IV	18	19	50	34.2	31.2N	139.0E	606	2.4b		¶97iv3112
ISC	**IV**	**20**	**05**	**50**	**36**±1.0	**32.17N**±.059	**141.84E**±.055	**52**±6.9	**4.8b,4.3s**	**218**	**2-153**
JMA	IV	20	05	50	27.8±.3	31.72N±.02	142.05E±.05	14	4.2		¶97iv3277
EIDC	IV	20	05	50	27.8	31.6N	141.8E	0	4.6b,3.6s		
BJI	IV	20	05	50	30.8	31.60N	141.65E	34	4.8b,4.4s		
NEIC	IV	20	05	50	31.5	31.62N	141.63E	33	4.8b,4.5s		
MOS	IV	20	05	50	31.6	31.6N	141.7E	33	5.1b,4.3s		
JMA	**IV**	**21**	**11**	**02**	**38.2**±.4	**33.48N**±.03	**138.67E**±.06	**304**			¶97iv3449
ISC	**IV**	**25**	**21**	**41**	**29.6**±.26	**29.90N**±.038	**141.85E**±.035	**98**	**4.7b**	**259**	**3-152**
EIDC	IV	25	21	41	16.1	29.3N	142.2E	0	4.7b,4.3s		¶97iv4423
JMA	IV	25	21	41	18.1±.2	29.40N±.01	142.61E±.05	98	5.0		
BJI	IV	25	21	41	19.4	29.41N	142.18E	43	4.8b,4.8s		
NEIC	IV	25	21	41	19.9	29.35N	141.99E	33	4.9b,4.8s		
MOS	IV	25	21	41	20.3	29.5N	142.0E	33	5.1b,4.8s		
ISC	**IV**	**27**	**20**	**24**	**19**±2.3	**33.1N**±.18	**138.61E**±.086	**327**±17		**49**	**1-7**
JMA	IV	27	20	24	19.7±.3	33.24N±.02	138.60E±.02	323±3			¶97iv4788
ISC	**IV**	**29**	**03**	**52**	**02.4**±.37	**30.38N**±.042	**138.74E**±.039	**439**±3.1	**4.2b**	**204**	**3-121**
BJI	IV	29	03	52	00.8	30.27N	138.62E	438	4.8b		¶97iv5017
NEIC	IV	29	03	52	00.8	30.37N	138.54E	423	4.3b		
EIDC	IV	29	03	52	01.5	30.4N	138.6E	419	3.8b		
JMA	IV	29	03	52	01.9±.1	30.37N±.01	138.94E±.01	446±2	5.1		
ISC	**IV**	**29**	**10**	**52**	**38**±2.0	**33.5N**±.14	**139.4E**±.36	**169**		**9**	**1-5**
JMA	IV	29	10	52	38.2±.2	33.49N±.02	139.38E±.05	169			¶97iv5066
ISC	**IV**	**29**	**16**	**31**	**34.4**±.36	**31.64N**±.039	**138.87E**±.038	**315**±2.7	**4.1b**	**190**	**2-95**
JMA	IV	29	16	31	33.0±.2	31.64N±.02	138.94E±.01	340±3	4.8		¶97iv5101
MOS	IV	29	16	31	33.1	31.6N	138.9E	303	5.6b		
BJI	IV	29	16	31	33.4	31.60N	138.70E	306	4.4b		
NEIC	IV	29	16	31	33.4	31.62N	138.73E	306	4.2b		
EIDC	IV	29	16	31	33.7	31.6N	138.9E	297	3.9b		
ISC	**IV**	**30**	**19**	**03**	**18**±2.0	**33.0N**±.22	**138.4E**±.27	**320**		**8**	**1-5**
JMA	IV	30	19	03	18.4±.1	32.99N±.02	138.36E±.02	320			¶97iv5247
JMA	**V**	**01**	**04**	**45**	**27.0**±.5	**33.42N**±.04	**139.76E**±.08	**164**			¶97v0032
ISC	**V**	**02**	**15**	**05**	**31**±1.2	**33.25N**±.090	**139.1E**±.11	**40**±63		**27**	**1-5**
JMA	V	02	15	05	31.1±.2	33.27N±.02	139.04E±.01	48	3.0		¶97v0286
ISC	**V**	**05**	**10**	**02**	**13**±5.4	**32.2N**±.12	**138.41E**±.073	**17**±46	**3.4b**	**53**	**1-56**
EIDC	V	05	10	02	13.4	32.3N	138.2E	0	3.5b,2.9L		¶97v0769
JMA	V	05	10	02	14.4±.2	32.27N±.01	138.39E±.01	48	3.5		
NEIC	V	05	10	02	15.3	32.24N	138.30E	33			
NEIC	Poor solution.										
JMA	**V**	**05**	**10**	**21**	**02.6**±.5	**32.23N**±.03	**138.37E**±.05	**60**	**2.8**		¶97v0771
ISC	**V**	**05**	**13**	**24**	**16.4**±.26	**29.50N**±.029	**138.71E**±.033	**474**±2.8	**4.5b**	**270**	**4-152**
NEIC	V	05	13	24	14.3	29.51N	138.44E	450	4.5b		¶97v0789
MOS	V	05	13	24	15.2	29.5N	138.5E	458	4.6b		
EIDC	V	05	13	24	15.4	29.5N	138.7E	454	4.0b		
JMA	V	05	13	24	16.0±.1	29.49N±.01	138.93E±.01	470±2			
BJI	V	05	13	24	16.3	29.49N	138.56E	475	5.1b		
ISC	**V**	**05**	**16**	**56**	**00.7**±.51	**30.33N**±.057	**139.12E**±.091	**410**±5.6	**3.2b**	**66**	**3-80**
NEIC	V	05	16	56	00.1	30.35N	139.02E	400			¶97v0819
JMA	V	05	16	56	00.4±.2	30.39N±.02	139.31E±.03	421			
EIDC	V	05	16	56	01.2	30.4N	139.2E	400	3.0b		
NEIC	Less reliable solution.										
ISC	**V**	**06**	**00**	**20**	**04**±2.1	**33.6N**±.12	**140.6E**±.18	**46**		**15**	**1-4**
JMA	V	06	00	20	05.5±.3	33.65N±.02	140.49E±.03	46	3.0		¶97v0870
ISC	**V**	**08**	**07**	**06**	**22**±4.3	**33.2N**±.29	**139.3E**±.19	**221**±32		**21**	**0-7**
JMA	V	08	07	06	24.8±.4	33.33N±.03	139.29E±.05	205±4			¶97v1198
ISC	**V**	**08**	**17**	**14**	**53.8**±.64	**33.22N**±.095	**138.3E**±.12	**327**±7.0	**3.1b**	**41**	**2-71**
NEIC	V	08	17	14	53.6	33.21N	138.13E	324			¶97v1281
EIDC	V	08	17	14	55.0	33.2N	138.0E	316	3.0b		
JMA	V	08	17	14	55.3±.5	33.32N±.03	138.40E±.04	324±4			
NEIC	Single network solution.										
ISC	**V**	**10**	**07**	**27**	**03.3**±.66	**32.60N**±.047	**142.67E**±.058	**44**	**3.9b**,4.0s	**97**	**2-148**
EIDC	V	10	07	27	01.0	32.4N	142.3E	0	3.8b,4.0L		¶97v1544
JMA	V	10	07	27	01.9±.3	32.42N±.02	142.50E±.04	44	4.1		
MOS	V	10	07	27	04.0	32.4N	142.1E	33	4.0b		
NEIC	V	10	07	27	04.1	32.34N	142.15E	33	3.9b		
BJI	V	10	07	27	04.2	32.02N	142.39E	52	4.0b,4.1s		
ISC	**V**	**10**	**12**	**10**	**21**±1.6	**29.9N**±.15	**139.6E**±.33	**419**±14		**19**	**3-71**
JMA	V	10	12	10	19.6±.3	29.94N±.03	139.80E±.07	442			¶97v1596
ISC	**V**	**13**	**15**	**10**	**54.5**±.90	**33.47N**±.076	**138.73E**±.061	**55**		**29**	**1-4**
JMA	V	13	15	10	54.2±.2	33.48N±.01	138.70E±.01	55±4	2.9		¶97v2270
ISC	**V**	**14**	**02**	**06**	**11.5**±.67	**30.63N**±.084	**137.81E**±.087	**489**±6.6	**3.1b**	**58**	**4-73**
NEIC	V	14	02	06	11.5	30.71N	137.65E	484			¶97v2365
JMA	V	14	02	06	12.2±.3	30.69N±.02	137.90E±.02	483±5			
EIDC	V	14	02	06	12.8	30.7N	137.6E	481	2.7b		
NEIC	Single network solution.										
ISC	**V**	**14**	**23**	**29**	**53**±1.5	**33.3N**±.14	**140.0E**±.19	**147**		**15**	**0-3**
JMA	V	14	23	29	52.9±.3	33.25N±.02	140.10E±.02	147±3			¶97v2520
ISC	**V**	**17**	**14**	**55**	**29**±3.6	**33.7N**±.20	**138.7E**±.15	**269**±29		**30**	**1-6**
JMA	V	17	14	55	29.5±.5	33.78N±.03	138.67E±.03	272±5			¶97v2945
ISC	**V**	**18**	**19**	**39**	**44**±2.1	**32.7N**±.21	**138.3E**±.23	**354**		**16**	**1-6**
JMA	V	18	19	39	44.8±.4	32.78N±.04	138.21E±.06	354			¶97v3139
ISC	**V**	**18**	**19**	**56**	**06**±2.7	**33.4N**±.31	**139.5E**±.71	**33**		**4**	**0-2**
JMA	V	18	19	56	05.5±.4	33.38N±.04	139.46E±.08	33	2.9		¶97v3142
ISC	Poorly determined										
ISC	**V**	**19**	**03**	**06**	**25**±1.1	**29.63N**±.064	**142.2E**±.27	**85**±21	3.7b	**31**	**3-50**
JMA	V	19	03	06	24.8±.1	29.66N±.01	142.13E±.08	54	3.9		¶97v3184
ISC	**V**	**20**	**06**	**14**	**38**±2.5	**33.6N**±.36	**138.3E**±.24	**302**		**7**	**2-4**
JMA	V	20	06	14	38.2±.3	33.60N±.04	138.35E±.03	302			¶97v3366
ISC	**V**	**23**	**01**	**56**	**41**±3.1	**33.4N**±.22	**139.4E**±.12	**216**±19		**42**	**2-7**
JMA	V	23	01	56	43.1±.5	33.46N±.04	139.40E±.03	204±4			¶97v3864
ISC	**V**	**23**	**06**	**29**	**11**±1.7	**33.4N**±.22	**139.5E**±.50	**29**		**5**	**0-2**
JMA	V	23	06	29	10.5±.3	33.38N±.02	139.45E±.05	29	3.3		¶97v3899
ISC	**V**	**23**	**06**	**30**	**51.2**±.78	**33.26N**±.064	**139.41E**±.062	**41**±12	**3.3b**	**33**	**0-57**
EIDC	V	23	06	30	48.0	33.2N	140.3E	0	3.3b,2.9L		¶97v3900
JMA	V	23	06	30	49.7±.6	33.32N±.03	139.19E±.05	11	3.2		
ISC	**V**	**24**	**21**	**47**	**58**±3.3	**29.0N**±.13	**141.2E**±.51	**82**±27	**3.5b**	**9**	**8-81**
NEIC	V	24	21	48	00.6	29.06N	141.06E	100	3.2b		¶97v4175
EIDC	V	24	21	48	00.9	29.1N	141.3E	87	3.4b		
NEIC	Poor solution.										
ISC	**V**	**26**	**23**	**11**	**41**±5.9	**33.2N**±.34	**141.0E**±.39	**11**		**8**	**1-3**
JMA	V	26	23	11	43.0±.5	33.35N±.02	140.83E±.03	11	3.0		¶97v4481
ISC	**V**	**27**	**09**	**03**	**22.9**±.69	**30.49N**±.077	**142.7E**±.20	**33**	**4.1b**	**11**	**3-93**
EIDC	V	27	09	03	20.2	30.5N	142.7E	0	4.1b,3.5L		¶97v4543
NEIC	V	27	09	03	22.9	30.50N	142.64E	33			
NEIC	Single network solution.										
ISC	**V**	**28**	**04**	**18**	**08**±8.2	**32.7N**±.48	**142.8E**±.52	**34**		**10**	**3-7**
JMA	V	28	04	18	12.2±.5	32.96N±.03	142.47E±.03	34	3.2		¶97v4654
ISC	**V**	**28**	**17**	**14**	**46.1**±.30	**32.97N**±.043	**137.11E**±.036	**406**±2.4	**3.8b**	**181**	**1-95**
MOS	V	28	17	14	44.4	32.9N	136.9E	379	4.2b		¶97v4749
NEIC	V	28	17	14	44.9	32.89N	136.97E	389	4.1b		
BJI	V	28	17	14	45.6	32.85N	136.89E	392	4.5b		
EIDC	V	28	17	14	45.9	32.9N	137.0E	386	3.4b		
JMA	V	28	17	14	46.6±.1	33.09N±.02	137.03E±.01	413±2	4.5		
ISC	**V**	**29**	**02**	**52**	**16**±3.1	**33.0N**±.23	**139.6E**±.10	**231**±17		**47**	**0-10**
JMA	V	29	02	52	18.9±.5	33.09N±.03	139.48E±.02	208±4			¶97v4805
ISC	**V**	**29**	**23**	**08**	**08**±2.7	**33.5N**±.17	**140.7E**±.28	**54**		**9**	**1-2**
JMA	V	29	23	08	07.5±.3	33.56N±.01	140.68E±.02	54	3.2		¶97v4937
ISC	**V**	**30**	**00**	**59**	**50**±5.0	**32.9N**±.33	**141.2E**±.27	**53**±59		**23**	**1-7**
JMA	V	30	00	59	54.3±.2	33.21N±.01	140.86E±.02	50	3.3		¶97v4951
ISC	**V**	**30**	**02**	**45**	**00**±2.7	**33.5N**±.17	**140.7E**±.24	**53**		**8**	**1-2**
JMA	V	30	02	45	00.6±.4	33.58N±.02	140.65E±.03	53	3.2		¶97v4966
ISC	**V**	**31**	**19**	**51**	**44.7**±.84	**33.22N**±.087	**140.0E**±.12	**124**±10	3.5b	**22**	**0-57**
EIDC	V	31	19	51	35.5	32.7N	140.6E	0	3.2L,3.4b		¶97v5231
JMA	V	31	19	51	46.7±.2	33.31N±.01	139.91E±.02	111±2			
ISC	**V**	**31**	**22**	**57**	**12**±3.3	**29.2N**±.19	**140.6E**±.47	**265**±30	**3.3b**	**6**	**8-77**
EIDC	V	31	22	57	13.9	29.3N	140.4E	261	3.1b		¶97v5250
ISC	**VI**	**01**	**15**	**34**	**58**±1.6	**33.3N**±.20	**138.2E**±.26	**337**		**14**	**1-5**
JMA	VI	01	15	34	58.1±.2	33.42N±.04	138.10E±.04	337			¶97vi0107
ISC	**VI**	**02**	**07**	**08**	**17**±1.8	**30.60N**±.048	**141.8E**±.12	**28**±14	**4.2b**,4.0s	**47**	**4-149**
EIDC	VI	02	07	08	14.6	30.6N	141.8E	0	4.2b,3.7s		¶97vi0201
BJI	VI	02	07	08	16.3	30.59N	141.77E	34	4.4b,4.3s		
NEIC	VI	02	07	08	17.4	30.57N	141.70E	33			
NEIC	Less reliable solution.										
ISC	**VI**	**02**	**08**	**15**	**57**±1.1	**30.66N**±.026	**141.86E**±.040	**17**±7.6	**4.7b,4.5s**	**250**	**3-163**
EIDC	VI	02	08	15	55.6	30.6N	141.8E	0	4.6b,4.0L		¶97vi0209
BJI	VI	02	08	15	57.3	30.63N	141.81E	35	4.7b,4.6s		
JMA	VI	02	08	15	58.1±.2	30.69N±.02	142.09E±.03	75			
MOS	VI	02	08	15	58.8	30.7N	141.9E	33	5.3b,4.4s		
NEIC	VI	02	08	15	59.0	30.60N	141.70E	33	4.7b,4.6s		
ISC	**VI**	**02**	**13**	**10**	**12**±9.3	**32.3N**±.64	**141.1E**±.41	**100**		**20**	**1-6**
JMA	VI	02	13	10	16.9±.4	32.67N±.03	140.74E±.04	100±5			¶97vi0244
ISC	**VI**	**02**	**20**	**32**	**26**±2.6	**33.5N**±.17	**139.4E**±.11	**209**±18		**47**	**1-7**
JMA	VI	02	20	32	27.2±.2	33.58N±.01	139.35E±.02	198±2			¶97vi0315
ISC	**VI**	**02**	**20**	**46**	**03.4**±.42	**29.92N**±.047	**139.32E**±.056	**417**±4.8	**3.4b**	**111**	**3-80**
BJI	VI	02	20	46	01.3	29.93N	139.11E	399	4.5b		¶97vi0321
NEIC	VI	02	20	46	02.2	29.89N	139.18E	400			
EIDC	VI	02	20	46	03.8	29.9N	139.3E	397	3.0b		
JMA	VI	02	20	46	04.4±.2	30.00N±.02	139.39E±.02	413±3			
ISC	**VI**	**02**	**23**	**49**	**37**±1.2	**32.64N**±.097	**140.25E**±.086	**135**±7.8	**3.6b**	**57**	**1-72**
JMA	VI	02	23	49	37.0±.5	32.59N±.04	140.14E±.03	131±3			¶97vi0353
EIDC	VI	02	23	49	37.8	32.7N	140.4E	120	3.4b		
NEIC	VI	02	23	49	38.9	32.76N	140.29E	150			
NEIC	Single network solution.										
ISC	**VI**	**03**	**10**	**41**	**07**±3.5	**30.53N**±.082	**141.7E**±.26	**16**±27	**3.7b**	**12**	**3-94**
NEIC	VI	03	10	41	08.6	30.53N	141.75E	33			¶97vi0431
EIDC	VI	03	10	41	10.6	30.5N	141.7E	33	3.4b,3.1L		
NEIC	Single network solution.										
ISC	**VI**	**03**	**15**	**31**	**19.3**±.84	**32.78N**±.056	**142.75E**±.083	**54**	**3.7b**	**61**	**2-92**
EIDC	VI	03	15	31	15.8	32.5N	142.5E	0	3.6b,3.6L		¶97vi0479
NEIC	VI	03	15	31	18.4	32.54N	142.47E	33	4.1b		
JMA	VI	03	15	31	20.8±.4	32.79N±.03	142.52E±.03	54	3.8		
NEIC	Less reliable solution.										
ISC	**VI**	**05**	**09**	**37**	**30**±2.1	**33.6N**±.14	**140.6E**±.21	**56**		**8**	**1-2**
JMA	VI	05	09	37	30.6±.2	33.64N±.01	140.49E±.02	56	3.1		¶97vi0745
ISC	**VI**	**05**	**12**	**09**	**48**±5.1	**33.5N**±.25	**140.9E**±.31	**92**±39		**14**	**1-4**
JMA	VI	05	12	09	50.3±.3	33.54N±.02	140.75E±.03	71			¶97vi0763
ISC	**VI**	**07**	**07**	**13**	**25**±1.1	**32.45N**±.070	**141.5E**±.16	**68**±11	**3.6b**	**30**	**2-73**
EIDC	VI	07	07	13	18.4	32.7N	141.5E	0	3.7b,3.2L		¶97vi1060
NEIC	VI	07	07	13	21.1	32.58N	141.44E	33			
JMA	VI	07	07	13	24.3±.6	32.49N±.03	141.56E±.04	44	3.3		
NEIC	Less reliable solution.										
ISC	**VI**	**07**	**13**	**33**	**32.0**±.71	**32.34N**±.088	**138.3E**±.13	**386**±8.9	**2.8b**	**58**	**1-56**
EIDC	VI	07	13	33	09.3	30.2N	139.1E	0	3.4b,4.1L		¶97vi1102
JMA	VI	07	13	33	33.3±.4	32.46N±.02	138.35E±.03	383±4			
JMA	**VI**	**07**	**15**	**42**	**15.0**±.7	**32.42N**±.05	**141.71E**±.04	**41**	**3.4**		¶97vi1113
EIDC	**VI**	**08**	**13**	**19**	**21.5**	**31.1N**	**138.0E**	**0**	**3.3b**		**5-55**
											¶97vi1246
ISC	**VI**	**10**	**05**	**03**	**02**±3.3	**29.22N**±.074	**142.2E**±.16	**17**±24	**3.8b**,3.6s	**17**	**2-94**
EIDC	VI	10	05	03	00.8	29.2N	142.2E	0	3.8b,4.4L		¶97vi1481
NEIC	VI	10	05	03	04.0	29.20N	142.11E	33	3.7b		
NEIC	Less reliable solution.										
ISC	**VI**	**10**	**07**	**10**	**46.4**±.71	**33.5N**±.16	**138.0E**±.24	**367**±11	**2.8b**	**33**	**1-68**
EIDC	VI	10	07	10	14.4	32.3N	143.7E	0	3.4b,4.2L		¶97vi1487
JMA	VI	10	07	10	48.4±.5	33.51N±.04	138.14E±.04	346±4			
ISC	**VI**	**10**	**10**	**18**	**23**±6.7	**32.2N**±.43	**140.9E**±.34	**57**±45	3.5b	**24**	**1-68**
JMA	VI	10	10	18	30.5±.5	32.68N±.03	140.56E±.04	61±5			¶97vi1510
ISC	**VI**	**10**	**17**	**23**	**14.8**±.63	**33.93N**±.041	**138.93E**±.034	**17**±6.8		**75**	**0-7**
JMA	VI	10	17	23	15.4±.1	33.98N±.01	138.95E±.01	19±3	3.2		¶97vi1553
ISC	**VI**	**11**	**04**	**41**	**46.8**±.71	**33.94N**±.024	**138.93E**±.023	**10**±4.5	**4.6b,4.5s**	**234**	**0-150**
BJI	VI	11	04	41	45.7	33.91N	139.21E	19	4.6b,4.6s		¶97vi1615
NEIC	VI	11	04	41	45.7	33.93N	138.87E	5	4.8b,4.7s		
MOS	VI	11	04	41	46.0	33.9N	139.0E	10	5.1b		
EIDC	VI	11	04	41	46.9	34.0N	138.9E	0	4.3b,4.1L		
JMA	VI	11	04	41	48.1±.1	33.98N±.01	138.95E±.01	20±3	4.3		
ISC	**VI**	**11**	**04**	**43**	**04**±3.8	**34.0N**±.24	**139.0E**±.12	**13**±18		**9**	**0-2**
JMA	VI	11	04	43	04.7±.3	33.99N±.02	138.94E±.01	14	3.9		¶97vi1617
ISC	**VI**	**11**	**08**	**46**	**57**±5.3	**34.0N**±.28	**138.9E**±.33	**12**±28		**9**	**0-2**
JMA	VI	11	08	46	58.5±.2	34.01N±.01	138.96E±.01	16±4	3.0		¶97vi1647
ISC	**VI**	**11**	**10**	**11**	**48**±14	**33.9N**±.75	**138.9E**±.71	**19**		**4**	**0-1**
JMA	VI	11	10	11	48.8±.2	33.96N±.01	138.93E±.01	19±3	2.9		¶97vi1666
ISC	Poorly determined										
ISC	**VI**	**11**	**11**	**19**	**23**±9.7	**34.0N**±.53	**138.9E**±.42	**12**		**5**	**0-1**
JMA	VI	11	11	19	24.6±.1	34.02N±.01	138.96E±.01	12±2	2.8		¶97vi1681
ISC	Poorly determined										
ISC	**VI**	**13**	**07**	**18**	**11**±6.4	**32.7N**±.44	**140.3E**±.24	**177**±35		**29**	**1-7**
JMA	VI	13	07	18	16.6±.4	33.03N±.03	140.14E±.04	140±4			¶97vi1947
ISC	**VI**	**14**	**02**	**26**	**51**±2.4	**34.0N**±.19	**139.0E**±.11	**17**		**11**	**0-2**
JMA	VI	14	02	26	50.9±.2	34.00N±.01	138.95E±.01	17±3	2.9		¶97vi2077
ISC	**VI**	**15**	**02**	**24**	**54**±5.8	**32.8N**±.40	**139.5E**±.27	**222**±32		**27**	**0-7**
JMA	VI	15	02	24	58.3±.2	33.04N±.02	139.58E±.04	194			¶97vi2216

ISC	**VI**	**15 21 32 19.8**±.66	**30.60N**±.048	**141.26E**±.091	**100**±8.9	**3.7b**	**52**	**3-94**
JMA	VI	15 21 32 19.3±.2	30.62N±.02	141.18E±.05	41	3.4		**¶97vi2359**
NEIC	VI	15 21 32 21.4	30.37N	140.80E	98			
EIDC	VI	15 21 32 22.9	30.3N	140.8E	103	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**17 21 58 56**±1.2	**32.54N**±.084	**138.41E**±.080	**346**±20		**52**	**2-8**
JMA	VI	17 21 58 55.4±.3	32.56N±.02	138.39E±.02	354±5			**¶97vi2694**
ISC	**VI**	**18 02 23 54**±1.1	**30.53N**±.098	**143.0E**±.23	**33**	**3.9b**	**8**	**4-148**
EIDC	VI	18 02 23 52.4	30.5N	143.0E	0	3.7L,3.8b		**¶97vi2716**
NEIC	VI	18 02 23 54.3	30.53N	143.02E	33			
NEIC	Less reliable solution.							
ISC	**VI**	**18 20 32 41.3**±.69	**30.89N**±.056	**142.9E**±.11	**41**±1.3*	**3.9b**	**59**	**3-148**
NEIC	VI	18 20 32 41.8	30.71N	142.75E	42	4.3b		**¶97vi2828**
EIDC	VI	18 20 32 43.5	30.7N	142.8E	40	3.7b,3.6L		
JMA	VI	18 20 32 44.7±.4	31.18N±.02	142.96E±.04	82			
NEIC	Less reliable solution.							
ISC	**VI**	**19 10 33 36.6**±.37	**31.57N**±.040	**138.64E**±.036	**345**±2.8	**3.9b**	**192**	**2-151**
BJI	VI	19 10 33 34.5	31.55N	138.58E	333	4.2b		**¶97vi2900**
NEIC	VI	19 10 33 35.9	31.52N	138.49E	334	3.9b		
MOS	VI	19 10 33 36.0	31.6N	138.6E	341	4.1b		
EIDC	VI	19 10 33 36.8	31.5N	138.6E	326	3.7b		
JMA	VI	19 10 33 37.1±.2	31.71N±.02	138.65E±.01	359±2			
ISC	**VI**	**20 03 33 18**±3.1	**33.6N**±.26	**138.6E**±.33	**294**		**18**	**2-6**
JMA	VI	20 03 33 18.4±.3	33.63N±.03	138.62E±.05	294±3			**¶97vi3005**
EIDC	**VI**	**21 02 57 22.2**	**32.7N**	**140.6E**	**309**	2.9b		**4-54**
								¶97vi3142
ISC	**VI**	**21 04 37 52**±2.5	**32.3N**±.31	**138.4E**±.29	**382**		**11**	**1-6**
JMA	VI	21 04 37 53.1±.3	32.39N±.04	138.45E±.05	382			**¶97vi3158**
ISC	**VI**	**21 23 51 34**±2.2	**32.11N**±.035	**142.16E**±.064	**11**±14	**4.2b**,3.5s	**112**	**2-93**
JMA	VI	21 23 51 36.1±.2	32.12N±.01	142.15E±.02	62			**¶97vi3291**
BJI	VI	21 23 51 36.1	32.06N	141.87E	33	4.2b		
NEIC	VI	21 23 51 37.4	32.07N	141.94E	33	4.7b		
MOS	VI	21 23 51 37.6	32.1N	142.0E	33	4.6b		
EIDC	VI	21 23 51 38.7	32.0N	142.1E	34	3.9b,3.8L		
ISC	**VI**	**22 13 28 13**±1.6	**31.27N**±.029	**142.06E**±.035	**8**±9.2	**4.9b,4.8s**	**320**	**3-152**
EIDC	VI	22 13 28 12.9	31.1N	142.0E	0	4.5b,4.3s		**¶97vi3391**
JMA	VI	22 13 28 14.4±.1	31.19N±.01	142.27E±.02	73			
BJI	VI	22 13 28 14.8	31.19N	141.77E	32	4.9b,4.9s		
NEIC	VI	22 13 28 16.6	31.12N	141.69E	33	5.0b,4.8s		
MOS	VI	22 13 28 18.0	31.2N	141.5E	33	5.4b,4.8s		
HRVD	VI	22 13 28 20.0±.9	31.35N±.18	141.53E±.14	15			
NEIC	Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c22; Half duration: 1$\mathfrak{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.66±.47; $M_{\theta\theta}$−0.07±.74; $M_{\phi\phi}$−3.59±.65; $M_{r\theta}$2.91±2.27; $M_{r\phi}$9.44±2.01; $M_{\theta\phi}$0.37±.61. Principal Axes: T 10.8,Plg54°,Azm293°; N −0.5, Plg7°,Azm194°; P −10.3,Plg35°,Azm100°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_s160°,δ12°,λ56°. NP2:ϕ_s15°,δ80°,λ97°.							
ISC	**VI**	**22 14 07 22**±2.2	**31.22N**±.036	**142.18E**±.063	**4**±13	**4.4b,4.3s**	**131**	**3-93**
JMA	VI	22 14 07 22.9±.3	31.26N±.02	142.28E±.04	16	3.8		**¶97vi3396**
BJI	VI	22 14 07 25.5	31.11N	141.81E	34	4.5b,4.4s		
MOS	VI	22 14 07 26.9	31.2N	141.9E	33	4.9b		
EIDC	VI	22 14 07 26.9	31.1N	141.7E	20	4.1b,3.6L		
NEIC	VI	22 14 07 27.3	31.13N	141.71E	33	4.6b,4.1s		
ISC	**VI**	**22 21 45 36**±2.5	**33.2N**±.31	**138.0E**±.24	**348**		**13**	**2-5**
JMA	VI	22 21 45 36.4±.3	33.34N±.05	137.93E±.04	348			**¶97vi3444**
ISC	**VI**	**23 11 46 37.6**±.49	**32.20N**±.028	**141.07E**±.033	**61**±4.0	**4.9b**	**350**	**1-153**
MOS	VI	23 11 46 35.1	32.0N	140.9E	50	5.4b,4.3s		**¶97vi3522**
BJI	VI	23 11 46 35.2	32.05N	141.06E	66	4.9b,4.3s		
NEIC	VI	23 11 46 36.7	32.04N	140.82E	57	4.9b,4.4s		
EIDC	VI	23 11 46 37.8	32.0N	141.0E	53	4.4b,3.9s		
JMA	VI	23 11 46 38.0±.2	32.23N±.02	141.14E±.02	94	4.7		
ISC	**VI**	**23 12 03 04.8**±.74	**33.81N**±.054	**138.77E**±.039	**17**±7.5		**47**	**0-4**
JMA	VI	23 12 03 05.4±.1	33.87N±.01	138.79E±.01	26±3	3.3		**¶97vi3524**
ISC	**VI**	**23 15 31 13.3**±.71	**32.03N**±.043	**141.31E**±.053	**51**±6.7	**3.9b**	**102**	**2-93**
JMA	VI	23 15 31 13.9±.2	32.07N±.02	141.24E±.02	52	3.5		**¶97vi3551**
NEIC	VI	23 15 31 13.9	31.97N	141.13E	53			
EIDC	VI	23 15 31 16.7	31.9N	141.1E	59	3.7b,3.4L		
NEIC	Less reliable solution.							
ISC	**VI**	**24 20 05 35**±2.8	**32.7N**±.27	**137.6E**±.27	**420**		**30**	**3-8**
JMA	VI	24 20 05 36.2±.4	32.79N±.03	137.68E±.04	420±4			**¶97vi3776**
ISC	**VI**	**25 20 16 23.5**±.89	**30.0N**±.10	**139.6E**±.31	**392**±14		**27**	**3-75**
								¶97vi4023
ISC	**VI**	**26 01 03 13**±1.7	**32.4N**±.40	**138.2E**±.26	**33**	**3.7b**	**6**	**38-95**
EIDC	VI	26 01 03 08.5	32.4N	138.4E	0	3.8b		**¶97vi4060**
ISC	**VI**	**26 12 01 37.7**±.94	**33.84N**±.059	**139.46E**±.064	**16**±9.3		**27**	**0-3**
JMA	VI	26 12 01 38.1±.1	33.86N±.01	139.46E±.01	20±2	2.9		**¶97vi4135**
JMA	**VI**	**29 06 44 58.9**±.3	**31.90N**±.03	**140.84E**±.02	**3**	**3.0**		**¶97vi4579**
JMA	**VI**	**30 18 49 34.7**±.5	**32.90N**±.06	**137.87E**±.07	**439**			**¶97vi4808**
EIDC	VI	30 18 49 37.8	32.1N	137.4E	0	3.6b,2.7L		

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ISC	**I**	**03 04 58 38.5**±.50	**28.17N**±.053	**139.06E**±.077	**524**±6.1	**3.9b**	**85**	**3-153**
NEIC	I	03 04 58 38.2	28.27N	139.14E	525	4.5b		**¶97i0321**
BJI	I	03 04 58 38.8	28.26N	139.07E	530	4.7b		
EIDC	I	03 04 58 39.1	28.2N	139.2E	518	3.4b		
JMA	I	03 04 58 41.2±.2	28.38N±.02	139.36E±.05	510±3			
ISC	**I**	**07 17 41 04.4**±.87	**28.65N**±.097	**143.3E**±.24	**33**	**3.7b**	**7**	**2-70**
EIDC	I	07 17 41 02.3	28.5N	143.4E	0	3.5b,3.4L		**¶97i0954**
NEIC	I	07 17 41 04.4	28.66N	143.35E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**I**	**12 08 15 36.5**±.75	**27.43N**±.083	**140.5E**±.14	**469**±7.3	**3.3b**	**48**	**2-83**
NEIC	I	12 08 15 35.7	27.47N	140.11E	456			**¶97i1645**
EIDC	I	12 08 15 36.5	27.5N	139.9E	447	3.1b		
JMA	I	12 08 15 36.8±.3	27.49N±.02	140.58E±.05	469±4			
NEIC	Poor solution.							
ISC	**I**	**14 12 42 35**±1.5	**27.5N**±.19	**139.8E**±.39	**482**±18	**3.5b**	**8**	**2-82**
EIDC	I	14 12 42 35.9	27.5N	139.8E	478	3.2b		**¶97i1992**
NEIC	I	14 12 42 36.0	27.44N	140.02E	500	2.8b		
NEIC	Poor solution.							
ISC	**I**	**15 22 27 24.1**±.73	**28.20N**±.085	**142.9E**±.19	**33**	**3.8b**	**10**	**1-94**
EIDC	I	15 22 27 21.1	28.2N	143.0E	0	3.7b,3.9L		**¶97i2219**
NEIC	I	15 22 27 24.2	28.19N	142.89E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**17 18 18 55.5**±.60	**28.32N**±.063	**139.76E**±.083	**415**±5.9	**3.7b**	**69**	**2-152**
BJI	I	17 18 18 54.6	28.14N	139.81E	420	4.5b		**¶97i2513**
EIDC	I	17 18 18 55.3	27.8N	139.7E	427	3.4b		
NEIC	I	17 18 18 55.5	28.25N	139.73E	420	4.2b		
JMA	I	17 18 18 57.9±.3	28.49N±.02	139.97E±.07	402			
NEIC	Less reliable solution.							
ISC	**I**	**19 21 01 40.2**±.88	**28.0N**±.12	**139.6E**±.23	**526**±14	**3.0b**	**9**	**2-76**
NEIC	I	19 21 01 40.2	27.99N	139.64E	526	4.1b		**¶97i2886**
EIDC	I	19 21 01 41.5	27.9N	139.7E	521	2.5b		
NEIC	Less reliable solution.							
ISC	**I**	**31 21 05 28.9**±.97	**27.1N**±.10	**143.0E**±.38	**33**	**3.9b**	**7**	**10-78**
EIDC	I	31 21 05 25.0	27.0N	143.2E	0	3.8b,3.7L		**¶97i4680**
NEIC	I	31 21 05 28.9	27.15N	142.96E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**I**	**31 23 18 39.0**±.28	**26.14N**±.024	**140.94E**±.031	**514**±2.7	**5.2b**	**502**	**1-167**
MOS	I	31 23 18 38.3	26.1N	140.8E	506	5.8b		**¶97i4687**
JMA	I	31 23 18 38.5±.1	26.14N±.01	141.10E±.01	509±2	5.7		
EIDC	I	31 23 18 38.9	26.1N	141.0E	503	4.8b		
BJI	I	31 23 18 39.0	26.23N	141.01E	522	5.3b		
NEIC	I	31 23 18 39.6	26.14N	140.86E	524	5.3b		
ISC	**II**	**03 08 57 44.3**±.68	**27.8N**±.11	**143.8E**±.14	**41**±.9*	**3.8b**	**13**	**2-148**
NEIC	II	03 08 57 43.4	27.80N	143.82E	33	4.0b		**¶97ii0353**
EIDC	II	03 08 57 46.1	27.8N	143.7E	40	3.5b,3.3L		
NEIC	Less reliable solution.							
ISC	**II**	**06 00 46 45.0**±.38	**28.17N**±.050	**143.35E**±.069	**34**±1.7*	**4.5b**,4.0s	**60**	**2-150**
BJI	II	06 00 46 44.8	28.20N	143.00E	10	4.7b,4.5s		**¶97ii0773**
NEIC	II	06 00 46 44.8	28.18N	143.37E	35	4.4b		
MOS	II	06 00 46 45.9	28.3N	143.3E	33	4.9b		
EIDC	II	06 00 46 46.3	28.2N	143.5E	33	4.1b,4.0L		
ISC	**II**	**08 06 33 40**±1.6	**28.0N**±.17	**143.8E**±.23	**33**	3.2b	**4**	**2-71**
EIDC	II	08 06 33 36.3	27.9N	143.8E	0	3.3b,3.2L		**¶97ii1105**
ISC	Poorly determined							
ISC	**II**	**08 20 12 33.0**±.50	**28.17N**±.063	**143.4E**±.12	**33**	**4.1b**	**30**	**2-91**
BJI	II	08 20 12 31.5	28.20N	143.10E	15	4.3b		**¶97ii1199**
NEIC	II	08 20 12 32.9	28.20N	143.47E	33	4.4b		
EIDC	II	08 20 12 34.1	28.1N	143.4E	29	3.9b,4.7L		
NEIC	Less reliable solution.							
ISC	**II**	**09 00 24 01**±1.6	**28.2N**±.11	**143.5E**±.28	**33**	**3.9b**	**6**	**2-52**
EIDC	II	09 00 23 59.9	28.1N	143.4E	0	3.6b,3.8L		**¶97ii1226**
NEIC	II	09 00 24 01.3	28.18N	143.54E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**10 13 15 18.9**±.72	**27.6N**±.12	**139.7E**±.28	**33**	**3.9b**	**11**	**48-82**
EIDC	II	10 13 15 15.7	27.7N	139.6E	0	4.0b		**¶97ii1468**
ISC	**II**	**11 22 07 30.8**±.85	**26.5N**±.11	**142.0E**±.24	**33**	**3.8b**	**9**	**15-84**
EIDC	II	11 22 07 27.5	26.5N	142.0E	0	3.8b		**¶97ii1681**
NEIC	II	11 22 07 30.7	26.48N	142.03E	33			
NEIC	Less reliable solution.							
ISC	**II**	**12 13 42 50**±1.3	**28.0N**±.13	**143.6E**±.21	**33**	3.4b	**6**	**2-71**
NEIC	II	12 13 42 50.1	27.96N	143.57E	33			**¶97ii1767**
EIDC	II	12 13 42 51.0	28.0N	143.3E	26	3.1b,3.6L		
NEIC	Single network solution.							
ISC	**II**	**16 01 35 10**±1.1	**27.8N**±.16	**142.1E**±.34	**33**	**4.2b**	**9**	**38-78**
EIDC	II	16 01 35 06.7	27.8N	142.2E	0	4.3b		**¶97ii2323**
NEIC	II	16 01 35 09.7	27.83N	142.12E	33	4.4b		
NEIC	Poor solution.							
ISC	**II**	**18 20 02 52**±1.0	**27.8N**±.12	**143.6E**±.17	**33**	**3.5b**	**8**	**1-83**
EIDC	II	18 20 02 48.2	27.8N	143.6E	0	3.6b,3.4L		**¶97ii2684**
NEIC	II	18 20 02 51.7	27.78N	143.57E	33			
NEIC	Single network solution.							
EIDC	**III**	**03 16 42 20.6**	**26.0N**	**140.5E**	**0**	**3.6b**		**46-74**
								¶97iii0640
ISC	**III**	**05 23 38 06.5**±.56	**28.40N**±.058	**140.3E**±.12	**398**±5.8	**3.3b**	**62**	**2-82**
NEIC	III	05 23 38 05.6	28.38N	139.94E	390	3.8b		**¶97iii1149**
EIDC	III	05 23 38 06.9	28.4N	140.1E	382	3.1b		
JMA	III	05 23 38 08.4±.2	28.52N±.01	140.37E±.03	386±3			
NEIC	Less reliable solution.							
ISC	**III**	**24 10 05 27.7**±.65	**26.7N**±.11	**142.9E**±.20	**33**	**3.8b**	**17**	**11-149**
EIDC	III	24 10 05 24.5	26.7N	143.0E	0	3.8b		**¶97iii4557**
NEIC	III	24 10 05 27.4	26.68N	143.05E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**24 17 06 34.1**±.75	**28.00N**±.078	**139.4E**±.21	**515**±13	**3.1b**	**38**	**3-76**
EIDC	III	24 17 05 39.2	28.7N	140.9E	0	3.6b		**¶97iii4593**
JMA	III	24 17 06 34.8±.3	28.10N±.02	139.19E±.06	497			
ISC	**III**	**25 11 56 36**±4.0	**27.6N**±.14	**140.1E**±.42	**554**±52	**3.3b**	**8**	**14-83**
EIDC	III	25 11 56 37.5	27.6N	140.0E	548	3.0b		**¶97iii4720**
ISC	**III**	**26 10 35 01.8**±.92	**28.69N**±.074	**139.7E**±.35	**422**±12	**2.9b**	**26**	**3-76**
EIDC	III	26 10 34 19.4	29.1N	139.1E	0	3.5b		**¶97iii4930**
JMA	III	26 10 35 02.7±.3	28.75N±.02	139.71E±.08	410			
ISC	**IV**	**05 14 10 13.5**±.87	**26.6N**±.13	**141.3E**±.16	**33**	**3.5b**	**7**	**1-73**
EIDC	IV	05 14 10 10.4	26.6N	141.3E	0	3.5b		**¶97iv0784**
ISC	**IV**	**11 06 34 16**±3.8	**26.4N**±.16	**141.2E**±.49	**53**±35	**3.9b**	**7**	**1-78**
NEIC	IV	11 06 34 15.9	26.51N	141.10E	50			**¶97iv1823**
EIDC	IV	11 06 34 17.4	26.6N	141.1E	51	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**15 05 50 08.5**±.52	**28.81N**±.055	**138.7E**±.12	**499**±7.5	**3.6b**	**57**	**3-152**
NEIC	IV	15 05 50 07.7	28.90N	138.79E	493	2.9b		**¶97iv2567**
EIDC	IV	15 05 50 09.0	28.9N	138.8E	486	3.3b		
JMA	IV	15 05 50 10.4±.3	28.92N±.02	139.11E±.05	501±4			
ISC	**IV**	**26 21 36 42**±1.4	**27.8N**±.16	**140.4E**±.21	**497**±10	**3.4b**	**30**	**2-77**
EIDC	IV	26 21 35 20.7	22.0N	139.9E	0	4.0b,4.4L		**¶97iv4610**
JMA	IV	26 21 36 43.1±.2	27.87N±.03	140.51E±.06	481			
ISC	**V**	**07 05 45 27**±1.1	**26.8N**±.14	**140.8E**±.43	**488**±16	**3.2b**	**9**	**1-79**
NEIC	V	07 05 45 26.6	26.83N	140.80E	486			**¶97v1057**
EIDC	V	07 05 45 27.6	26.9N	140.6E	481	2.8b		
NEIC	Poor solution.							
ISC	**V**	**07 23 38 16**±1.0	**27.5N**±.12	**140.7E**±.23	**364**±12	**3.6b**	**16**	**1-90**
NEIC	V	07 23 38 15.8	27.55N	140.70E	365	4.1b		**¶97v1155**
EIDC	V	07 23 38 16.8	27.4N	140.7E	359	3.1b		
NEIC	Less reliable solution.							
ISC	**V**	**09 07 30 49**±1.3	**27.2N**±.15	**140.2E**±.39	**473**±16	**3.2b**	**11**	**2-152**
EIDC	V	09 07 30 49.5	27.4N	140.3E	468	2.9b		**¶97v1381**
ISC	**V**	**11 17 31 36.0**±.54	**26.41N**±.065	**143.94E**±.085	**33**	**4.0b**	**37**	**2-149**
NEIC	V	11 17 31 35.4	26.25N	143.97E	33	4.2b		**¶97v1816**
EIDC	V	11 17 31 35.7	26.3N	144.0E	20	3.8b,3.6L		
NEIC	Less reliable solution.							
ISC	**V**	**12 04 14 49.2**±.63	**26.08N**±.090	**144.0E**±.13	**33**	**3.8b**	**16**	**2-149**
EIDC	V	12 04 14 45.4	26.0N	144.1E	0	3.7b,4.2L		**¶97v1891**
NEIC	V	12 04 14 49.2	26.09N	143.99E	33	4.1b		
ISC	**V**	**12 14 59 16.8**±.63	**27.31N**±.064	**140.16E**±.091	**467**±5.9	**3.8b**	**73**	**2-152**
NEIC	V	12 14 59 15.8	27.39N	140.05E	450	4.1b		**¶97v1988**
BJI	V	12 14 59 16.9	27.22N	140.01E	465	4.5b		
EIDC	V	12 14 59 17.2	27.4N	140.1E	449	3.3b		
JMA	V	12 14 59 19.6±.2	27.61N±.02	140.55E±.05	451±3			
NEIC	Less reliable solution.							
ISC	**V**	**13 13 18 16**±4.4	**28.1N**±.38	**140.4E**±.36	**461**±50		**18**	**2-10**
JMA	V	13 13 18 14.8±.2	28.00N±.02	140.23E±.06	463			**¶97v2257**

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V 14 02 31 46**±1.2	**29.0N**±.28	**139.0E**±.23	**322**±13	**3.7b**	**12**	**3-76**
NEIC	V 14 02 31 46.1	28.94N	139.02E	324	3.5b		**¶97v2369**
EIDC	V 14 02 31 46.5	28.9N	139.0E	322	3.3b		
NEIC	Poor solution.						
ISC	**V 14 04 10 50.4**±.59	**27.06N**±.060	**140.6E**±.13	**474**±6.4	**3.6b**	**60**	**1-151**
NEIC	V 14 04 10 49.7	27.07N	140.21E	464	3.9b		**¶97v2386**
EIDC	V 14 04 10 50.6	27.1N	140.1E	456	3.3b		
JMA	V 14 04 10 52.9±.2	27.33N±.02	140.71E±.05	460±3			
NEIC	Less reliable solution.						
ISC	**V 14 21 11 08**±2.1	**28.2N**±.11	**140.3E**±.23	**401**±22	**3.2b**	**12**	**8-82**
NEIC	V 14 21 11 08.5	28.24N	140.32E	400	4.8b		**¶97v2507**
EIDC	V 14 21 11 09.6	28.3N	140.3E	394	2.9b		
NEIC	Poor solution.						
ISC	**V 20 01 58 23**±2.1	**26.4N**±.13	**141.9E**±.41	**52**±20	**4.0b**	**8**	**1-78**
NEIC	V 20 01 58 23.4	26.39N	141.96E	53	4.2b		**¶97v3341**
EIDC	V 20 01 58 23.6	26.4N	141.9E	40	3.8b		
NEIC	Poor solution.						
ISC	**V 20 17 08 59**±1.6	**26.7N**±.23	**139.9E**±.26	**33**	**3.5b**	**5**	**2-59**
NEIC	V 20 17 08 58.9	26.76N	139.93E	33	3.8b		**¶97v3441**
EIDC	V 20 17 08 59.9	25.6N	143.3E	0	3.4b		
ISC	**V 24 00 24 29**±1.1	**26.6N**±.15	**142.0E**±.55	**33**	**3.6b**	**6**	**0-78**
EIDC	V 24 00 24 26.1	26.7N	141.6E	0	3.7b		**¶97v4025**
ISC	**V 25 15 02 57.9**±.48	**28.45N**±.062	**143.3E**±.11	**33**	**4.0b**	**24**	**2-150**
EIDC	V 25 15 02 54.6	28.4N	143.4E	0	4.0b,3.5L		**¶97v4290**
MOS	V 25 15 02 57.5	28.4N	143.5E	33	5.0b		
NEIC	V 25 15 02 57.7	28.45N	143.37E	33	4.8b		
NEIC	Less reliable solution.						
ISC	**V 25 15 46 50**±3.2	**28.5N**±.10	**143.3E**±.37	**38**±32	**3.5b**	**8**	**2-77**
EIDC	V 25 15 46 46.5	28.5N	143.5E	0	3.5b,3.2L		**¶97v4295**
NEIC	V 25 15 46 49.7	28.53N	143.32E	33			
NEIC	Less reliable solution.						
ISC	**V 27 05 11 24.7**±.75	**28.39N**±.085	**141.0E**±.22	**33**	**3.8b**	**21**	**2-96**
NEIC	V 27 05 11 24.0	28.52N	141.04E	33			**¶97v4517**
EIDC	V 27 05 11 26.2	28.5N	141.1E	38	3.6b,3.3L		
NEIC	Single network solution.						
ISC	**V 30 19 01 39**±8.7	**28.3N**±.10	**143.7E**±.28	**20**±63	**3.8b**	**12**	**2-148**
NEIC	V 30 19 01 40.2	28.30N	143.64E	33			**¶97v5081**
EIDC	V 30 19 01 42.6	28.2N	143.5E	37	3.7b,2.5L		
NEIC	Single network solution.						
ISC	**V 30 19 07 05**±2.4	**26.4N**±.10	**141.5E**±.28	**53**±21	**3.9b**	**15**	**1-151**
NEIC	V 30 19 07 02.7	26.38N	141.37E	33			**¶97v5082**
EIDC	V 30 19 07 06.3	26.4N	141.6E	51	3.6b		
NEIC	Single network solution.						
ISC	**V 30 19 43 35.5**±.31	**26.58N**±.024	**140.57E**±.032	**372**±3.2	**4.6b**	**318**	**2-164**
BJI	V 30 19 43 33.4	26.60N	140.55E	359	4.7b		**¶97v5088**
NEIC	V 30 19 43 34.1	26.61N	140.31E	355	4.6b		
MOS	V 30 19 43 35.0	26.6N	140.5E	366	4.9b		
EIDC	V 30 19 43 35.6	26.6N	140.5E	359	4.1b		
JMA	V 30 19 43 37.9±.1	26.87N±.01	140.81E±.02	360±1	5.2		
ISC	**VI 02 00 21 42.4**±.55	**26.87N**±.051	**140.65E**±.059	**437**±4.5	**4.2b**	**144**	**1-151**
BJI	VI 02 00 21 41.4	26.88N	140.60E	439	4.9b		**¶97vi0154**
MOS	VI 02 00 21 42.2	26.8N	140.4E	431	4.4b		
NEIC	VI 02 00 21 42.3	26.85N	140.42E	434	4.0b		
EIDC	VI 02 00 21 43.2	26.9N	140.6E	432	3.8b		
JMA	VI 02 00 21 44.9±.2	27.14N±.02	140.82E±.02	421±2			
ISC	**VI 09 03 21 41**±1.1	**27.9N**±.14	**140.1E**±.25	**534**±14	**3.1b**	**8**	**2-76**
EIDC	VI 09 03 21 40.2	28.1N	139.4E	497	2.8b		**¶97vi1325**
ISC	**VI 09 09 46 32**±1.1	**27.3N**±.13	**140.1E**±.24	**367**±12	**3.6b**	**13**	**2-151**
NEIC	VI 09 09 46 32.3	27.31N	140.08E	369			**¶97vi1375**
EIDC	VI 09 09 46 33.5	27.3N	140.4E	367	3.3b		
NEIC	Single network solution.						
ISC	**VI 13 22 59 14.6**±.84	**27.76N**±.099	**140.1E**±.34	**508**±14	**3.4b**	**15**	**2-82**
EIDC	VI 13 22 59 15.6	27.9N	140.8E	520	3.1b		**¶97vi2053**
ISC	**VI 20 03 47 30.0**±.68	**28.01N**±.061	**139.9E**±.18	**379**±7.9	**3.6b**	**49**	**2-152**
NEIC	VI 20 03 47 30.1	28.03N	140.05E	382	3.6b		**¶97vi3008**
EIDC	VI 20 03 47 30.9	28.1N	140.2E	371	3.3b		
JMA	VI 20 03 47 32.5±.3	28.18N±.02	140.09E±.07	363			
NEIC	Less reliable solution.						
ISC	**VI 21 10 49 43.4**±.82	**27.18N**±.091	**143.7E**±.15	**33**	**3.9b**	**11**	**1-78**
EIDC	VI 21 10 49 41.4	27.2N	143.6E	0	3.8b,4.0L		**¶97vi3202**
NEIC	VI 21 10 49 43.6	27.07N	143.72E	33	4.1b		
NEIC	Less reliable solution.						
ISC	**VI 22 12 33 20.5**±.57	**26.90N**±.056	**140.61E**±.095	**445**±5.5	**3.9b**	**77**	**1-151**
NEIC	VI 22 12 33 20.0	26.93N	140.53E	439	3.9b		**¶97vi3385**
EIDC	VI 22 12 33 20.8	26.9N	140.6E	433	3.4b		
JMA	VI 22 12 33 21.5±.2	27.02N±.02	140.87E±.05	443			
EIDC	**VI 23 02 26 33.2**	**28.5N**	**140.0E**	**0**	**3.3b**		**49-72**
							¶97vi3473
ISC	**VI 23 07 31 04**±1.5	**26.30N**±.090	**140.9E**±.22	**107**±14	**3.8b**	**16**	**1-97**
NEIC	VI 23 07 31 03.3	26.39N	140.73E	100	3.7b		**¶97vi3494**
EIDC	VI 23 07 31 04.4	26.4N	140.7E	93	3.5b		
JMA	VI 23 07 31 09.3±.2	26.89N±.02	141.78E±.04	150			
NEIC	Less reliable solution.						
ISC	**VI 24 14 01 49.9**±.63	**28.47N**±.063	**139.2E**±.14	**476**±8.3	**3.5b**	**47**	**3-81**
NEIC	VI 24 14 01 49.8	28.52N	139.28E	476			**¶97vi3721**
EIDC	VI 24 14 01 50.5	28.5N	139.3E	467	3.2b		
JMA	VI 24 14 01 52.5±.2	28.66N±.02	139.77E±.05	475±3			
NEIC	Less reliable solution.						
ISC	**VI 25 07 05 02**±3.0	**26.5N**±.12	**137.0E**±.27	**101**±29	**3.6b**	**8**	**5-88**
EIDC	VI 25 07 05 03.9	26.6N	137.1E	101	3.3b,4.0s		**¶97vi3862**
ISC	**VI 28 05 54 44.0**±.43	**28.43N**±.070	**143.4E**±.11	**39**±.7*	**4.2b**	**30**	**2-150**
NEIC	VI 28 05 54 43.8	28.51N	143.24E	39	4.4b		**¶97vi4429**
EIDC	VI 28 05 54 45.5	28.5N	143.3E	37	4.0b,3.4L		
MOS	VI 28 05 54 50.6	29.5N	143.7E	33	4.8b		
NEIC	Less reliable solution.						
ISC	**VI 28 05 59 09**±3.6	**28.2N**±.15	**143.3E**±.44	**66**±33	**3.7b**	**8**	**1-94**
NEIC	VI 28 05 59 05.1	28.30N	143.60E	39	3.9b		**¶97vi4431**
EIDC	VI 28 05 59 05.6	28.6N	143.1E	36	3.5b		
NEIC	Poor solution.						
ISC	**VI 28 11 57 14.5**±.55	**27.97N**±.074	**142.7E**±.13	**30**	**3.8b**	**20**	**1-149**
EIDC	VI 28 11 57 11.7	27.9N	143.0E	0	3.9b,3.4s		**¶97vi4473**
BJI	VI 28 11 57 13.3	27.95N	142.84E	30			
NEIC	VI 28 11 57 14.8	27.96N	142.80E	33	4.1b		
NEIC	Less reliable solution.						
ISC	**VI 29 10 13 32.6**±.66	**28.28N**±.086	**143.7E**±.13	**33**	**3.9b**	**14**	**2-148**
EIDC	VI 29 10 13 29.3	28.3N	143.7E	0	3.8b,2.8L		**¶97vi4610**
NEIC	VI 29 10 13 32.9	28.28N	143.63E	33	4.4b		
NEIC	Less reliable solution.						
ISC	**VI 29 21 21 31.8**±.55	**27.92N**±.051	**140.09E**±.057	**467**±5.1	**4.0b**	**137**	**2-152**
MOS	VI 29 21 21 30.4	28.0N	140.0E	444	4.4b		**¶97vi4665**
NEIC	VI 29 21 21 30.5	27.97N	139.89E	450	4.1b		
BJI	VI 29 21 21 30.9	27.83N	139.81E	450	4.6b		
EIDC	VI 29 21 21 31.6	28.0N	140.0E	446	3.5b		
JMA	VI 29 21 21 33.2±.1	28.07N±.01	140.13E±.02	453±2			
NEIC	Less reliable solution.						
ISC	**VI 30 10 50 11**±1.0	**28.4N**±.23	**143.6E**±.41	**34**±.4*	**3.7b**	**6**	**2-70**
EIDC	VI 30 10 50 12.7	28.6N	143.2E	34	3.4b		**¶97vi4748**
ISC	**VI 30 20 35 03**±2.9	**28.48N**±.075	**143.3E**±.30	**37**±27	**3.9b**	**11**	**2-94**
NEIC	VI 30 20 35 03.4	28.47N	143.25E	39	4.2b		**¶97vi4822**
EIDC	VI 30 20 35 05.3	28.4N	143.2E	38	3.5b,4.0L		
NEIC	Less reliable solution.						
ISC	**VI 30 21 56 48.4**±.87	**26.85N**±.077	**140.2E**±.16	**464**±9.7	**3.8b**	**27**	**2-152**
NEIC	VI 30 21 56 48.5	26.86N	140.24E	467	3.9b		**¶97vi4827**
EIDC	VI 30 21 56 49.8	26.9N	140.4E	469	3.4b		
NEIC	Less reliable solution.						

(213) Volcano Islands region.

ISC	**I 06 15 48 24**±2.2	**22.1N**±.29	**144.5E**±.28	**33**	**3.4b**	**4**	**15-75**
EIDC	I 06 15 48 20.7	22.0N	144.5E	0	3.4b,3.8L		**¶97i0806**
ISC	Poorly determined						
ISC	**I 09 06 36 39.5**±.93	**25.89N**±.044	**141.43E**±.051	**52**±7.7	**4.8b**	**154**	**1-151**
BJI	I 09 06 36 36.1	25.45N	141.74E	62	4.4b		**¶97i1178**
EIDC	I 09 06 36 39.9	26.0N	141.3E	48	4.4b		
NEIC	I 09 06 36 40.1	26.03N	141.15E	62	4.9b		
MOS	I 09 06 36 42.0	25.9N	141.1E	80	5.0b		
JMA	I 09 06 36 44.7±.4	26.48N±.02	142.91E±.04	82			
ISC	**I 09 22 04 06**±5.2	**23.13N**±.086	**144.6E**±.17	**16**±37	**4.1b**	**28**	**4-148**
BJI	I 09 22 04 08.0	23.10N	144.50E	33	4.5b		**¶97i1282**
NEIC	I 09 22 04 08.0	23.14N	144.50E	33	4.3b		
EIDC	I 09 22 04 09.9	23.1N	144.7E	37	3.6b,3.7L		
NEIC	Less reliable solution.						
ISC	**I 11 22 22 33**±2.8	**25.8N**±.16	**141.2E**±.66	**109**±28	**3.7b**	**7**	**2-79**
NEIC	I 11 22 22 32.6	25.85N	141.02E	100	4.5b		**¶97i1586**
EIDC	I 11 22 22 35.8	25.9N	141.6E	119	3.3b		
NEIC	Poor solution.						
ISC	**I 12 13 08 27**±2.2	**23.2N**±.11	**142.4E**±.26	**140**±19	**3.5b**	**12**	**4-82**
EIDC	I 12 13 08 27.8	23.2N	142.6E	129	3.4b		**¶97i1681**
NEIC	I 12 13 08 28.3	23.21N	142.43E	150			
NEIC	Poor solution.						
ISC	**I 15 07 20 24**±1.4	**25.2N**±.19	**143.0E**±.29	**33**	**3.6b**	**4**	**18-73**
EIDC	I 15 07 20 20.7	25.2N	143.1E	0	3.6b,4.1L		**¶97i2114**
ISC	Poorly determined						
ISC	**I 15 11 59 55**±3.4	**22.3N**±.16	**143.7E**±.43	**147**±34	**3.4b**	**6**	**5-76**
NEIC	I 15 11 59 55.2	22.33N	143.80E	150	3.2b		**¶97i2151**
EIDC	I 15 11 59 55.6	22.3N	143.8E	135	3.2b		
NEIC	Poor solution.						
EIDC	**I 16 06 35 39.1**	**22.4N**	**140.8E**	**0**	**3.8b**		**42-82**
							¶97i2265
ISC	**I 17 00 25 19**±1.2	**22.1N**±.18	**144.3E**±.31	**150**	**3.3b**	**5**	**21-83**
NEIC	I 17 00 25 19.1	22.13N	144.25E	150	3.2b		**¶97i2382**
EIDC	I 17 00 25 32.0	22.1N	143.8E	261	3.0b		
NEIC	Poor solution.						
ISC	**I 17 13 20 45**±1.9	**22.1N**±.32	**143.8E**±.20	**100**	**3.7b**	**16**	**21-83**
EIDC	I 17 13 20 30.6	21.3N	143.8E	0	3.8b		**¶97i2459**
NEIC	I 17 13 20 49.3	21.89N	143.50E	150			
NEIC	Poor solution.						
ISC	**I 24 04 39 09**±4.4	**24.15N**±.087	**142.8E**±.10	**32**±30	**4.2b**,4.3s	**40**	**3-150**
BJI	I 24 04 39 08.4	24.54N	142.81E	22	4.9b		**¶97i3595**
NEIC	I 24 04 39 08.7	24.16N	142.73E	33	4.2b		
EIDC	I 24 04 39 12.0	24.2N	142.7E	46	4.0b,3.3L		
NEIC	Less reliable solution.						
ISC	**I 30 12 39 50**±1.0	**23.8N**±.13	**138.6E**±.32	**33**	**3.2b**	**5**	**16-77**
EIDC	I 30 12 39 47.2	23.8N	138.8E	0	3.2b,3.6L		**¶97i4485**
ISC	**I 30 21 31 48**±1.2	**23.79N**±.049	**141.79E**±.086	**80**±11	**4.5b**	**118**	**3-151**
MOS	I 30 21 31 48.7	23.9N	141.5E	91	4.5b		**¶97i4542**
BJI	I 30 21 31 51.9	23.90N	142.08E	125	4.7b		
NEIC	I 30 21 31 52.0	23.82N	141.69E	118	4.6b		
EIDC	I 30 21 31 53.7	23.9N	141.7E	120	4.2b		
ISC	**II 04 05 15 05**±2.2	**25.77N**±.084	**143.3E**±.18	**55**±19	**4.2b**	**20**	**2-149**
BJI	II 04 05 15 03.8	25.71N	143.33E	53	4.5b		**¶97ii0467**
NEIC	II 04 05 15 04.5	25.78N	143.33E	52	4.3b		
EIDC	II 04 05 15 05.5	25.8N	143.3E	43	4.0b,3.8L		
NEIC	Less reliable solution.						
ISC	**II 05 04 54 19**±2.3	**22.61N**±.088	**143.0E**±.25	**115**±22	**4.0b**	**16**	**4-150**
EIDC	II 05 04 54 18.6	22.6N	143.1E	97	3.7b		**¶97ii0640**
NEIC	II 05 04 54 19.0	22.63N	143.00E	116	4.0b		
NEIC	Less reliable solution.						
ISC	**II 05 11 14 17**±2.9	**22.7N**±.17	**143.1E**±.32	**150**±25	**3.3b**	**8**	**4-82**
NEIC	II 05 11 14 17.0	22.71N	143.11E	150	3.0b		**¶97ii0681**
EIDC	II 05 11 14 18.8	22.7N	143.0E	153	3.2b		
NEIC	Poor solution.						
ISC	**II 07 20 39 34**±1.5	**25.88N**±.066	**142.71E**±.098	**49**±12	**4.4b**,3.9s	**47**	**1-150**
EIDC	II 07 20 39 28.8	25.8N	143.0E	0	4.1b,3.7L		**¶97ii1036**
BJI	II 07 20 39 32.6	25.93N	142.66E	39	4.6b		
NEIC	II 07 20 39 34.1	25.88N	142.76E	47	4.7b		
MOS	II 07 20 39 39.0	26.3N	142.6E	67	4.9b		
ISC	**II 08 03 12 37**±2.3	**25.80N**±.095	**142.8E**±.18	**36**±19	**4.2b**	**19**	**1-79**
BJI	II 08 03 12 34.7	25.80N	142.90E	33			**¶97ii1084**
NEIC	II 08 03 12 36.7	25.84N	142.92E	33	4.2b		
EIDC	II 08 03 12 38.6	25.8N	142.8E	29	3.9b,3.4L		
NEIC	Less reliable solution.						
ISC	**II 10 19 00 10**±2.1	**22.30N**±.084	**143.5E**±.30	**167**±20	**3.7b**	**15**	**5-150**
NEIC	II 10 19 00 10.3	22.31N	143.49E	168	3.9b		**¶97ii1502**
EIDC	II 10 19 00 12.5	22.4N	143.4E	174	3.4b		
NEIC	Less reliable solution.						
ISC	**II 12 12 55 50**±1.0	**23.0N**±.11	**142.3E**±.35	**33**	**3.8b**	**10**	**4-82**
EIDC	II 12 12 55 47.0	22.9N	142.3E	0	4.0L,4.0b		**¶97ii1760**
NEIC	II 12 12 55 49.7	22.97N	142.17E	33			
NEIC	Poor solution.						
ISC	**III 02 16 37 22**±1.6	**22.2N**±.10	**142.4E**±.32	**336**±16	**3.4b**	**11**	**5-82**
NEIC	III 02 16 37 22.4	22.24N	142.39E	337	4.0b		**¶97iii0354**
EIDC	III 02 16 37 23.5	22.3N	142.3E	328	3.1b		
NEIC	Less reliable solution.						
ISC	**III 03 07 55 19.8**±.83	**23.29N**±.099	**143.8E**±.24	**33**	**3.7b**	**11**	**4-96**
EIDC	III 03 07 55 16.4	23.2N	144.1E	0	3.8b,3.5L		**¶97iii0515**
NEIC	III 03 07 55 19.7	23.30N	143.85E	33			
EIDC	**III 05 03 12 03.8**	**24.0N**	**140.2E**	**0**	**3.8b**		**40-80**
							¶97iii0968

ISC	**III**	**05 03 36 11**±3.8	**24.0N**±.18	**143.1E**±.31	**45**±36	**3.5b**	**6**	**3-75**
EIDC	III	05 03 36 06.8	23.9N	143.1E	0	3.5b,3.8L		**¶97iii0973**
NEIC	III	05 03 36 11.1	23.99N	143.08E	50			
NEIC	Less reliable solution.							
ISC	**III**	**05 20 21 37**±2.3	**23.37N**±.089	**143.0E**±.12	**38**±20	**4.2b**,4.2s	**27**	**4-150**
BJI	III	05 20 21 35.9	23.26N	143.30E	49	4.5b,4.2s		**¶97iii1126**
NEIC	III	05 20 21 36.8	23.37N	142.99E	33	4.1b		
EIDC	III	05 20 21 38.3	23.4N	143.1E	28	4.0b,4.1L		
NEIC	Less reliable solution.							
ISC	**III**	**07 16 39 42**±1.3	**25.6N**±.11	**141.7E**±.35	**178**±16	**3.7b**	**12**	**2-85**
NEIC	III	07 16 39 42.5	25.60N	141.64E	179	4.3b		**¶97iii1550**
EIDC	III	07 16 39 43.4	25.6N	141.7E	172	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**09 13 06 43**±1.8	**22.87N**±.081	**143.0E**±.12	**101**±15	**4.2b**	**50**	**4-147**
BJI	III	09 13 06 41.9	22.83N	143.08E	94	4.6b		**¶97iii1973**
NEIC	III	09 13 06 42.4	22.91N	142.94E	91	3.8b		
EIDC	III	09 13 06 44.3	22.8N	143.0E	96	3.8b		
JMA	III	09 13 06 50.4±.6	23.24N±.05	142.04E±.11	147			
MOS	III	09 13 06 57.0	22.7N	142.8E	233	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**11 08 17 12**±1.5	**25.9N**±.21	**143.6E**±.51	**33**	**3.3b**	**4**	**40-80**
EIDC	III	11 08 17 09.3	25.9N	143.4E	0	3.5b		**¶97iii2345**
ISC	Poorly determined							
ISC	**III**	**11 16 02 14**±2.5	**22.1N**±.18	**143.7E**±.86	**250**	**3.1b**	**6**	**21-82**
EIDC	III	11 16 02 20.2	22.1N	143.0E	281	2.9b		**¶97iii2407**
ISC	**III**	**16 07 43 02**±1.9	**24.51N**±.075	**142.1E**±.24	**62**±17	**4.2b**	**20**	**3-94**
NEIC	III	16 07 43 00.6	24.50N	142.16E	48	4.2b		**¶97iii3192**
EIDC	III	16 07 43 02.4	24.5N	142.2E	48	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**22 04 59 25.1**±.68	**25.33N**±.096	**141.2E**±.39	**33**	**4.0b**	**13**	**45-85**
EIDC	III	22 04 59 22.2	25.4N	141.0E	0	4.0b		**¶97iii4205**
NEIC	III	22 04 59 25.0	25.35N	141.33E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**22 10 26 56**±4.2	**24.3N**±.10	**143.1E**±.22	**43**±37	**3.9b**,3.4s	**13**	**13-150**
NEIC	III	22 10 26 54.8	24.31N	143.13E	33	4.0b		**¶97iii4249**
EIDC	III	22 10 26 55.8	24.3N	143.1E	23	3.8b,3.6L		
NEIC	Less reliable solution.							
ISC	**III**	**22 16 01 52**±2.6	**23.08N**±.099	**142.1E**±.30	**111**±23	**3.9b**	**21**	**12-151**
NEIC	III	22 16 01 50.8	23.03N	142.17E	100	4.1b		**¶97iii4289**
EIDC	III	22 16 01 53.2	23.1N	142.2E	108	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**25 10 12 45**±4.2	**23.4N**±.10	**142.9E**±.25	**70**±38	**3.9b**	**13**	**14-150**
NEIC	III	25 10 12 41.0	23.33N	142.99E	33	4.3b		**¶97iii4710**
EIDC	III	25 10 12 44.9	23.4N	143.2E	49	3.6b,3.9L		
NEIC	Less reliable solution.							
ISC	**III**	**31 20 22 57**±1.9	**22.1N**±.11	**143.1E**±.34	**258**±18	**3.2b**	**11**	**5-84**
NEIC	III	31 20 22 57.4	22.08N	143.08E	259	3.0b		**¶97iii5931**
EIDC	III	31 20 23 00.5	22.1N	143.1E	277	3.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**04 20 59 35**±1.8	**24.7N**±.11	**142.3E**±.31	**148**±18	**3.6b**	**10**	**2-80**
NEIC	IV	04 20 59 35.5	24.75N	142.26E	148	4.0b		**¶97iv0661**
EIDC	IV	04 20 59 37.0	24.8N	142.4E	145	3.4b		
NEIC	Poor solution.							
ISC	**IV**	**12 07 51 12**±1.1	**22.7N**±.21	**144.1E**±.28	**33**	**3.9b**	**5**	**42-83**
EIDC	IV	12 07 51 08.8	22.7N	144.1E	0	3.9b		**¶97iv2030**
ISC	**IV**	**18 00 15 24**±2.0	**24.4N**±.10	**142.1E**±.27	**96**±18	**3.9b**	**12**	**3-80**
EIDC	IV	18 00 15 22.7	24.2N	142.2E	71	3.7b		**¶97iv2998**
NEIC	IV	18 00 15 24.3	24.37N	142.13E	98	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 17 27 12**±1.3	**25.1N**±.14	**142.7E**±.25	**33**	**3.8b**	**6**	**12-78**
EIDC	IV	21 17 27 09.7	25.0N	142.6E	0	3.5b,3.8L		**¶97iv3544**
ISC	**IV**	**24 09 30 39.2**±.93	**23.0N**±.16	**141.5E**±.27	**100**	**3.7b**	**6**	**40-77**
EIDC	IV	24 09 30 28.8	23.1N	141.5E	0	3.8b,3.2s		**¶97iv4115**
NEIC	IV	24 09 30 39.2	23.04N	141.53E	100			
NEIC	Poor solution.							
ISC	**IV**	**26 11 52 43**±7.9	**25.16N**±.066	**143.3E**±.15	**5**±47	**4.2b**	**30**	**12-149**
BJI	IV	26 11 52 48.9	25.20N	143.30E	46	4.9b		**¶97iv4543**
NEIC	IV	26 11 52 48.9	25.17N	143.28E	46	4.3b		
EIDC	IV	26 11 52 50.1	25.2N	143.3E	44	3.8b,4.2L		
EIDC	**IV**	**26 14 07 12.4**	**23.7N**	**144.8E**	**0**	**3.7b**,3.0s		**45-74**
								¶97iv4560
ISC	**IV**	**29 01 39 34**±1.1	**24.66N**±.057	**141.1E**±.11	**192**±11	**4.1b**	**42**	**3-151**
BJI	IV	29 01 39 28.9	24.51N	142.03E	196	4.5b		**¶97iv5002**
NEIC	IV	29 01 39 34.6	24.68N	141.06E	196	4.2b		
EIDC	IV	29 01 39 35.2	24.7N	141.2E	189	3.9b		
ISC	**V**	**06 23 03 11**±2.1	**22.80N**±.054	**143.6E**±.10	**56**±19	**4.3b**	**47**	**4-150**
MOS	V	06 23 03 09.0	22.8N	143.4E	33	4.9b		**¶97v1024**
NEIC	V	06 23 03 11.6	22.85N	143.47E	65	4.5b		
BJI	V	06 23 03 13.2	22.93N	143.37E	49	4.5b		
EIDC	V	06 23 03 14.2	22.9N	143.6E	75	4.1b		
ISC	**V**	**18 12 34 49**±2.5	**23.5N**±.11	**142.9E**±.24	**76**±22	**3.7b**	**15**	**4-147**
NEIC	V	18 12 34 48.8	23.52N	142.83E	79			**¶97v3082**
EIDC	V	18 12 34 50.5	23.5N	142.9E	78	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**24 22 00 26**±1.9	**25.4N**±.11	**141.5E**±.21	**86**±18	**3.7b**	**10**	**2-79**
NEIC	V	24 22 00 26.0	25.41N	141.43E	86	3.8b		**¶97v4176**
EIDC	V	24 22 00 27.0	25.4N	141.4E	78	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**03 22 49 32.7**±.46	**24.77N**±.027	**141.28E**±.035	**189**±4.3	**4.8b**	**311**	**2-167**
BJI	VI	03 22 49 32.0	24.84N	141.46E	203	4.8b		**¶97vi0529**
MOS	VI	03 22 49 32.1	24.8N	141.0E	189	4.9b		
NEIC	VI	03 22 49 32.2	24.83N	140.89E	190	4.9b		
EIDC	VI	03 22 49 33.5	24.7N	141.2E	193	4.5b		
JMA	VI	03 22 49 37.7±.2	25.26N±.01	141.68E±.02	230±2			

(214) West of the Marianas.

EIDC	**IV**	**03 02 34 33.8**	**20.2N**	**139.2E**	**0**	**3.5b**,3.9L		**16-79**
								¶97iv0366
EIDC	**IV**	**06 21 11 31.1**	**20.2N**	**137.9E**	**0**	**3.2b**		**40-80**
								¶97iv1055
ISC	**VI**	**30 12 49 59.8**±.86	**21.9N**±.11	**139.0E**±.22	**33**	**3.5b**	**8**	**6-81**
EIDC	VI	30 12 49 56.6	21.9N	139.0E	0	3.6b,3.1L		**¶97vi4764**

(215) Marianas region.

ISC	**I**	**03 20 48 38**±1.3	**21.2N**±.23	**144.2E**±.77	**33**	**3.6b**	**4**	**42-84**
EIDC	I	03 20 48 34.2	21.3N	144.1E	0	3.6b		**¶97i0425**
ISC	Poorly determined							
ISC	**I**	**06 03 59 49**±1.5	**21.56N**±.076	**143.4E**±.23	**281**±17	**3.6b**	**19**	**6-150**
NEIC	I	06 03 59 50.9	21.52N	143.36E	300	4.2b		**¶97i0743**
EIDC	I	06 03 59 53.6	21.5N	143.3E	309	3.4b		
NEIC	Less reliable solution.							
ISC	**I**	**08 05 35 18**±1.1	**21.7N**±.17	**143.2E**±.31	**300**	**3.3b**	**6**	**21-83**
EIDC	I	08 05 35 22.2	21.7N	143.0E	325	3.0b		**¶97i1025**
ISC	**I**	**11 20 49 40**±3.0	**19.3N**±.42	**143.5E**±.39	**33**	**3.8b**	**5**	**18-85**
EIDC	I	11 20 49 34.7	19.0N	143.4E	0	3.8b,4.1L		**¶97i1577**
ISC	**I**	**12 16 03 52**±3.2	**19.4N**±.10	**147.6E**±.34	**60**±28	**3.7b**	**13**	**6-87**
NEIC	I	12 16 03 48.2	19.39N	148.11E	33			**¶97i1708**
EIDC	I	12 16 03 55.7	19.2N	147.5E	72	3.4b		
NEIC	Poor solution.							
ISC	**I**	**13 13 18 50**±1.2	**16.88N**±.031	**147.09E**±.049	**44**±11	**5.0b,5.3s**	**162**	**4-170**
BJI	I	13 13 18 47.9	16.95N	147.40E	35	4.8b,5.3s		**¶97i1844**
NEIC	I	13 13 18 49.0	16.91N	147.07E	33	5.1b,5.2s		
MOS	I	13 13 18 50.3	17.0N	146.8E	33	5.6b,5.3s		
EIDC	I	13 13 18 50.3	16.9N	147.2E	36	4.8b,5.1s		
HRVD	I	13 13 18 54.1±.3	16.57N±.05	147.32E±.04	18			
NEIC	Mw5.6(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c53; Half duration: 1^{s}6. Moment tensor: Scale 10^{17}Nm; M_{rr}1.03±.05; $M_{\theta\theta}$0.46±.09; $M_{\phi\phi}$−1.50±.07; $M_{r\theta}$−0.43±.15; $M_{r\phi}$2.28±.18; $M_{\theta\phi}$−0.14±.06. Principal Axes: T 2.48,Plg58°,Azm246°; N 0.37, Plg10°,Azm352°; P −2.85,Plg31°,Azm88°. Best double couple: $M_0$2.7×10^{17}Nm, NP1: ϕ_s207°,δ17°,λ126°. NP2:ϕ_s350°,δ76°,λ80°.							
ISC	**I**	**13 13 42 43**±1.7	**16.96N**±.072	**147.2E**±.11	**42**±16	**4.0b**	**34**	**4-89**
EIDC	I	13 13 42 38.2	16.9N	147.3E	0	4.0b		**¶97i1847**
NEIC	I	13 13 42 41.6	16.97N	147.21E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**I**	**13 14 06 06**±2.3	**16.93N**±.079	**147.2E**±.20	**39**±20	**4.0b**	**20**	**4-89**
EIDC	I	13 14 06 02.4	16.9N	147.3E	0	3.9b		**¶97i1850**
NEIC	I	13 14 06 05.8	16.95N	147.22E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**I**	**13 22 54 19**±1.1	**16.9N**±.14	**147.2E**±.30	**33**	**3.7b**	**7**	**39-89**
EIDC	I	13 22 54 14.8	16.9N	147.4E	0	3.7b		**¶97i1906**
NEIC	I	13 22 54 18.8	16.89N	147.23E	33	3.5b		
NEIC	Poor solution.							
ISC	**I**	**13 23 33 18**±2.0	**16.95N**±.069	**147.0E**±.14	**48**±18	**4.1b**	**27**	**4-146**
EIDC	I	13 23 33 12.4	16.9N	147.1E	0	4.0b		**¶97i1913**
NEIC	I	13 23 33 15.7	16.95N	147.21E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**I**	**14 18 05 24.6**±.64	**21.59N**±.032	**143.16E**±.041	**315**±6.2	**4.6b**	**243**	**6-150**
MOS	I	14 18 05 21.9	21.6N	143.2E	287	5.1b		**¶97i2032**
BJI	I	14 18 05 22.8	21.63N	143.17E	302	4.6b		
NEIC	I	14 18 05 23.0	21.58N	143.02E	300	4.6b		
JMA	I	14 18 05 23.4±.3	21.53N±.02	143.42E±.04	328±3			
EIDC	I	14 18 05 25.7	21.6N	143.2E	316	4.5b		
ISC	**I**	**15 19 36 52**±1.1	**17.1N**±.14	**147.5E**±.23	**33**	**3.9b**	**10**	**21-89**
EIDC	I	15 19 36 48.6	17.1N	147.6E	0	3.9b		**¶97i2201**
NEIC	I	15 19 36 52.2	17.07N	147.41E	33			
NEIC	Poor solution.							
EIDC	**I**	**16 03 27 04.7**	**18.7N**	**149.5E**	**0**	3.5b		**20-88**
								¶97i2250
ISC	**I**	**17 04 55 20**±1.5	**21.87N**±.076	**143.1E**±.18	**263**±16	**3.7b**	**21**	**5-83**
NEIC	I	17 04 55 18.3	21.84N	143.13E	250	4.0b		**¶97i2399**
EIDC	I	17 04 55 19.9	21.9N	143.1E	251	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**18 19 26 34.7**±.96	**17.06N**±.096	**147.3E**±.26	**33**	**3.9b**	**12**	**21-95**
NEIC	I	18 19 26 34.5	17.06N	147.28E	33	4.5b		**¶97i2708**
EIDC	I	18 19 26 36.7	17.0N	147.4E	35	3.6b		
NEIC	Less reliable solution.							
EIDC	**I**	**21 11 07 53.1**	**15.5N**	**141.3E**	**0**	**3.8b**		**41-88**
								¶97i3171
EIDC	**I**	**22 09 14 33.0**	**21.6N**	**143.4E**	**0**	**3.9b**		**42-53**
								¶97i3303
ISC	**I**	**27 17 54 08**±1.9	**21.6N**±.27	**143.3E**±.23	**300**	**3.3b**	**10**	**16-150**
EIDC	I	27 17 54 18.1	22.0N	143.0E	373	3.0b		**¶97i4110**
ISC	**II**	**01 18 10 08.6**±.75	**14.41N**±.092	**147.2E**±.11	**33**	**3.9b**	**21**	**2-146**
BJI	II	01 18 10 05.6	14.60N	147.94E	34			**¶97ii0105**
EIDC	II	01 18 10 06.0	14.4N	147.2E	0	4.0b		
NEIC	II	01 18 10 08.6	14.43N	147.20E	33	3.4b		
ISC	**II**	**02 12 01 46**±1.0	**17.07N**±.094	**147.4E**±.28	**49**	**3.8b**	**13**	**21-146**
NEIC	II	02 12 01 46.4	17.07N	147.31E	49	3.9b		**¶97ii0217**
EIDC	II	02 12 01 48.3	17.0N	147.4E	48	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**02 12 37 33**±1.1	**16.2N**±.12	**145.0E**±.27	**33**	**3.5b**	**7**	**26-66**
EIDC	II	02 12 37 30.2	16.2N	145.0E	0	3.6b		**¶97ii0220**
NEIC	II	02 12 37 33.0	16.24N	144.97E	33			
NEIC	Poor solution.							
ISC	**II**	**04 03 02 39**±2.0	**17.09N**±.060	**147.5E**±.15	**39**±17	**4.2b**	**33**	**4-146**
EIDC	II	04 03 02 34.9	17.0N	147.6E	0	4.2b		**¶97ii0454**
MOS	II	04 03 02 37.8	17.1N	147.6E	33	4.7b		
BJI	II	04 03 02 38.7	17.07N	147.62E	45	4.5b		
NEIC	II	04 03 02 38.7	17.10N	147.52E	38	4.6b		
ISC	**II**	**04 17 05 05**±1.2	**17.02N**±.033	**147.22E**±.060	**50**±11	**4.8b,4.8s**	**126**	**4-165**
MOS	II	04 17 05 04.0	17.0N	147.3E	45	5.4b		**¶97ii0565**
BJI	II	04 17 05 04.7	17.04N	147.55E	66	5.1b,4.9s		
NEIC	II	04 17 05 05.4	17.03N	147.20E	57	5.0b,4.9s		
EIDC	II	04 17 05 05.9	17.0N	147.4E	49	4.3b,4.6s		
ISC	**II**	**04 17 22 58**±3.0	**16.9N**±.18	**147.5E**±.66	**33**	**3.3b**	**4**	**21-46**
EIDC	II	04 17 22 54.6	16.9N	147.6E	0	3.3b		**¶97ii0570**
ISC	Poorly determined							
ISC	**II**	**04 19 08 44**±1.1	**17.0N**±.11	**147.3E**±.27	**33**	**3.8b**	**10**	**21-79**
EIDC	II	04 19 08 40.3	17.1N	147.5E	0	3.7b		**¶97ii0587**
NEIC	II	04 19 08 43.5	17.05N	147.35E	33	3.3b		
NEIC	Less reliable solution.							
ISC	**II**	**04 19 54 06**±1.5	**17.78N**±.091	**147.3E**±.35	**33**	**3.6b**	**10**	**5-50**
EIDC	II	04 19 53 58.8	17.9N	149.0E	0	3.6b		**¶97ii0593**
NEIC	II	04 19 54 05.7	17.78N	147.29E	33	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**05 02 28 18**±4.5	**16.97N**±.039	**147.30E**±.078	**17**±32	**4.6b,4.2s**	**83**	**11-146**
MOS	II	05 02 28 20.0	17.0N	147.3E	33	4.9b		**¶97ii0627**
NEIC	II	05 02 28 20.0	17.00N	147.27E	33	4.7b,4.3s		
BJI	II	05 02 28 20.3	17.14N	147.44E	32	4.6b,4.8s		
EIDC	II	05 02 28 20.9	17.0N	147.4E	31	4.2b,4.2s		
EIDC	**II**	**05 12 20 58.1**	**17.0N**	**148.8E**	**0**	**3.4b**		**39-78**
								¶97ii0687
ISC	**II**	**05 13 25 45.7**±.35	**17.00N**±.042	**147.39E**±.084	**43**±3.1*	**4.6b,4.3s**	**71**	**11-155**
NEIC	II	05 13 25 44.5	17.02N	147.35E	33	4.6b		**¶97ii0694**
MOS	II	05 13 25 44.8	17.0N	147.3E	33	5.0b		
BJI	II	05 13 25 45.0	17.21N	147.40E	28	4.8b,4.5s		
EIDC	II	05 13 25 46.9	17.0N	147.5E	41	4.1b,4.3L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**05 14 29 47.6**±.23	**16.89N**±.037	**147.24E**±.057	**33**	**4.9b,4.5s**	**108**	**20-146**
EIDC	II	05 14 29 45.9	16.9N	147.4E	13	4.6b,4.3s		¶97ii0705
BJI	II	05 14 29 47.3	17.08N	147.38E	32	4.9b,4.8s		
NEIC	II	05 14 29 47.3	16.92N	147.23E	33	5.0b,4.4s		
MOS	II	05 14 29 47.9	17.0N	147.1E	33	5.4b		
ISC	**II**	**05 17 36 56.4**±.77	**17.02N**±.094	**147.5E**±.20	**33**	**3.9b**	**13**	**21-89**
EIDC	II	05 17 36 53.3	17.0N	147.5E	0	3.9b		¶97ii0727
NEIC	II	05 17 36 56.2	17.02N	147.48E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**06 01 16 27**±2.3	**17.03N**±.078	**147.5E**±.20	**49**±20	**4.0b**	**22**	**4-146**
EIDC	II	06 01 16 22.5	17.0N	147.6E	0	3.9b		¶97ii0778
NEIC	II	06 01 16 27.6	17.04N	147.46E	50	4.1b		
BJI	II	06 01 16 30.4	17.02N	147.19E	66	4.8b		
NEIC	Less reliable solution.							
ISC	**II**	**07 00 19 05**±1.7	**16.91N**±.047	**147.4E**±.11	**42**±15	**4.5b**,4.0s	**52**	**4-146**
EIDC	II	07 00 19 02.8	16.9N	147.5E	11	4.3b,3.4L		¶97ii0922
BJI	II	07 00 19 04.6	16.90N	147.98E	65	4.6b		
NEIC	II	07 00 19 05.5	16.91N	147.37E	43	4.8b		
MOS	II	07 00 19 06.1	16.9N	147.4E	50	5.1b		
ISC	**II**	**10 22 41 51**±3.3	**21.59N**±.098	**143.2E**±.24	**333**±35	**3.3b**	**13**	**15-95**
NEIC	II	10 22 41 51.2	21.59N	143.18E	336	3.8b		¶97ii1541
EIDC	II	10 22 41 53.6	21.6N	143.0E	338	3.0b		
NEIC	Less reliable solution.							
ISC	**II**	**11 01 06 21.6**±.94	**17.0N**±.12	**147.5E**±.25	**42**	**3.8b**	**8**	**21-89**
NEIC	II	11 01 06 21.6	16.95N	147.49E	42	3.4b		¶97ii1561
EIDC	II	11 01 06 23.4	17.0N	147.5E	42	3.6b		
NEIC	Poor solution.							
ISC	**II**	**11 03 47 07**±3.0	**16.86N**±.082	**147.5E**±.23	**77**±26	**3.8b**	**17**	**4-104**
NEIC	II	11 03 47 02.8	16.90N	147.78E	40	3.8b		¶97ii1580
EIDC	II	11 03 47 05.5	16.8N	147.6E	40	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**14 10 47 12**±2.6	**16.5N**±.13	**147.5E**±.26	**76**±22	**4.1b**	**14**	**4-79**
EIDC	II	14 10 47 04.1	16.4N	147.6E	0	3.9b		¶97ii2046
NEIC	II	14 10 47 32.7	15.41N	145.94E	167	4.3b		
NEIC	Less reliable solution.							
ISC	**II**	**15 01 17 50**±1.3	**19.15N**±.055	**146.12E**±.095	**90**±14	**4.4b**	**53**	**6-147**
BJI	II	15 01 17 49.0	19.16N	146.40E	97	4.8b		¶97ii2148
NEIC	II	15 01 17 49.0	19.17N	146.16E	84	4.4b		
EIDC	II	15 01 17 49.0	19.2N	146.3E	71	4.2b,3.4s		
MOS	II	15 01 17 49.3	19.2N	146.2E	87	4.9b		
ISC	**II**	**19 10 15 42.1**±.95	**21.8N**±.16	**143.2E**±.27	**100**	**3.8b**	**12**	**46-150**
NEIC	II	19 10 15 41.7	21.81N	143.16E	100	3.4b		¶97ii2765
EIDC	II	19 10 15 55.0	21.8N	143.1E	206	3.5b		
NEIC	Poor solution.							
EIDC	**II**	**26 11 05 11.4**	**17.0N**	**144.7E**	**0**	**3.4b**		**38-80**
								¶97ii3783
ISC	**II**	**28 19 27 36**±1.1	**21.60N**±.056	**143.3E**±.12	**311**±12	**3.8b**	**78**	**6-150**
NEIC	II	28 19 27 35.3	21.59N	143.16E	302	3.9b		¶97ii4318
EIDC	II	28 19 27 36.6	21.6N	143.1E	297	3.6b		
NEIC	Less reliable solution.							
EIDC	**III**	**04 14 45 27.5**	**21.2N**	**147.9E**	**0**	**3.9b**		**43-53**
								¶97iii0866
ISC	**III**	**05 09 01 31**±2.4	**21.9N**±.12	**143.6E**±.29	**206**±22	**3.5b**	**9**	**5-83**
NEIC	III	05 09 01 31.2	21.90N	143.56E	207	3.6b		¶97iii1024
EIDC	III	05 09 01 32.1	21.9N	143.6E	196	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**09 17 21 55**±6.6	**21.5N**±.13	**144.9E**±.35	**45**±59	**3.9b**	**10**	**16-148**
EIDC	III	09 17 21 50.5	21.5N	144.9E	0	3.9b,4.4L		¶97iii2028
NEIC	III	09 17 21 53.4	21.50N	144.99E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**11 10 23 38**±5.4	**21.8N**±.13	**144.0E**±.35	**208**±53	**3.1b**	**10**	**16-149**
NEIC	III	11 10 23 37.6	21.82N	144.04E	200			¶97iii2357
EIDC	III	11 10 23 39.4	21.8N	144.0E	202	3.1b		
ISC	**III**	**15 13 55 03.5**±.60	**15.03N**±.060	**147.1E**±.11	**33**	**4.0b**	**35**	**3-145**
EIDC	III	15 13 55 02.2	15.0N	147.0E	14	3.8b		¶97iii3061
NEIC	III	15 13 55 03.3	15.05N	147.05E	33	4.3b		
MOS	III	15 13 55 03.9	15.1N	147.0E	33	5.1b		
BJI	III	15 13 55 04.0	14.96N	146.92E	33	5.0b,4.8s		
NEIC	Less reliable solution.							
EIDC	**III**	**15 17 01 38.9**	**12.7N**	**148.5E**	**0**	**3.6b**		**35-68**
								¶97iii3078
ISC	**III**	**17 20 43 28**±1.8	**21.57N**±.095	**143.3E**±.23	**312**±19	**3.5b**	**13**	**6-146**
NEIC	III	17 20 43 28.4	21.58N	143.23E	309	3.8b		¶97iii3432
EIDC	III	17 20 43 29.9	21.6N	143.0E	306	3.3b		
NEIC	Less reliable solution.							
ISC	**III**	**17 22 31 17**±2.0	**21.6N**±.12	**143.3E**±.23	**307**±18	**3.7b**	**12**	**6-146**
NEIC	III	17 22 31 17.1	21.58N	143.35E	308	3.8b		¶97iii3446
EIDC	III	17 22 31 18.9	21.6N	143.2E	307	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**19 08 11 07**±1.1	**21.6N**±.17	**143.5E**±.31	**300**	**3.4b**	**6**	**21-83**
NEIC	III	19 08 11 06.4	21.61N	143.48E	300			¶97iii3665
EIDC	III	19 08 11 10.5	21.6N	143.3E	326	3.1b		
NEIC	Poor solution.							
ISC	**III**	**19 16 22 35**±2.3	**17.39N**±.075	**147.4E**±.18	**41**±21	**4.1b**	**23**	**5-94**
EIDC	III	19 16 22 29.5	17.3N	147.7E	0	4.0b		¶97iii3729
NEIC	III	19 16 22 34.0	17.41N	147.48E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**III**	**28 14 33 56**±4.6	**15.33N**±.090	**144.8E**±.14	**26**±35	**3.9b,4.1s**	**23**	**2-90**
EIDC	III	28 14 33 53.9	15.3N	144.7E	0	3.8b,4.2s		¶97iii5449
MOS	III	28 14 33 56.6	15.4N	144.9E	33	4.8b		
BJI	III	28 14 33 56.9	15.31N	144.73E	32	4.7b,4.7s		
NEIC	III	28 14 33 57.0	15.31N	144.73E	32	4.3b,4.2s		
NEIC	Less reliable solution.							
ISC	**III**	**30 10 49 56**±1.8	**18.43N**±.052	**147.2E**±.14	**41**±17	**4.2b**	**36**	**5-146**
EIDC	III	30 10 49 51.1	18.4N	147.6E	0	4.0b,4.0L		¶97iii5742
BJI	III	30 10 49 54.3	18.45N	147.63E	37	4.6b		
MOS	III	30 10 49 55.0	18.4N	147.5E	33	4.7b		
NEIC	III	30 10 49 55.3	18.45N	147.33E	33	4.5b		
ISC	**IV**	**03 23 51 56.3**±.97	**20.6N**±.14	**147.1E**±.30	**33**	**3.6b**,2.4s	**6**	**24-86**
EIDC	IV	03 23 51 53.0	20.7N	147.0E	0	3.6b,2.4s		¶97iv0506
NEIC	IV	03 23 52 04.0	20.66N	146.86E	100	3.2b		
NEIC	Poor solution.							
ISC	**IV**	**05 14 31 22**±1.5	**21.67N**±.063	**143.1E**±.16	**308**±16	**3.7b**	**28**	**5-150**
NEIC	IV	05 14 31 21.6	21.66N	143.08E	300	3.7b		¶97iv0787
EIDC	IV	05 14 31 23.7	21.7N	143.0E	303	3.4b		
ISC	**IV**	**05 17 14 05**±4.0	**19.8N**±.73	**143.4E**±.37	**33**	**3.9b**	**7**	**22-150**
EIDC	IV	05 17 13 59.6	19.5N	143.4E	0	3.8b		¶97iv0814
EIDC	**IV**	**06 02 02 07.7**	**21.9N**	**144.6E**	**0**	**3.4b**		**21-76**
								¶97iv0907
ISC	**IV**	**06 23 23 44**±1.5	**21.58N**±.069	**143.1E**±.12	**314**±15	**3.9b**	**36**	**6-150**
NEIC	IV	06 23 23 43.1	21.57N	143.18E	300	4.3b		¶97iv1072
EIDC	IV	06 23 23 45.0	21.6N	143.2E	310	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**11 18 53 58.7**±.92	**21.6N**±.13	**143.3E**±.23	**300**	**2.9b**	**7**	**21-83**
NEIC	IV	11 18 53 58.5	21.59N	143.31E	300			¶97iv1953
EIDC	IV	11 18 54 04.8	21.6N	143.1E	348	2.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**12 18 21 53.5**±.55	**15.22N**±.058	**147.6E**±.15	**33**	**4.2b**,3.4s	**39**	**13-146**
EIDC	IV	12 18 21 53.4	15.2N	147.6E	20	4.1b,3.4s		¶97iv2106
NEIC	IV	12 18 21 53.5	15.24N	147.59E	33	4.4b		
MOS	IV	12 18 21 53.6	15.3N	147.8E	33	4.9b		
BJI	IV	12 18 21 54.1	15.31N	148.05E	36	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**22 02 49 59.5**±.92	**15.0N**±.25	**142.9E**±.21	**33**	**3.8b**	**8**	**2-89**
NEIC	IV	22 02 49 59.3	14.97N	142.95E	33			¶97iv3623
EIDC	IV	22 02 50 03.4	16.7N	142.5E	0	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**26 06 16 38**±1.5	**15.52N**±.045	**147.79E**±.060	**36**±13	**4.8b,3.9s**	**110**	**3-154**
MOS	IV	26 06 16 37.7	15.6N	147.8E	33	5.4b		¶97iv4477
BJI	IV	26 06 16 38.1	15.60N	147.80E	36	4.8b,4.7s		
NEIC	IV	26 06 16 38.1	15.55N	147.76E	36	4.9b,4.1s		
EIDC	IV	26 06 16 39.6	15.6N	147.9E	35	4.5b,3.5s		
ISC	**IV**	**27 11 02 29.0**±.95	**17.9N**±.18	**149.6E**±.44	**33**	**3.4b**	**6**	**40-77**
EIDC	IV	27 11 02 25.8	17.9N	149.6E	0	3.5b		¶97iv4710
ISC	**V**	**01 08 14 29**±3.0	**20.1N**±.53	**143.5E**±.26	**33**	**3.8b**	**9**	**22-85**
EIDC	V	01 08 14 23.5	19.7N	143.5E	0	3.8b		¶97v0061
NEIC	V	01 08 14 29.0	20.07N	143.51E	33			
NEIC	Poor solution.							
EIDC	**V**	**03 06 12 58.8**	**17.2N**	**147.8E**	**0**	**3.5b**		**39-64**
								¶97v0388
ISC	**V**	**03 21 04 29**±1.0	**21.1N**±.17	**143.2E**±.24	**33**	**3.9b**	**12**	**16-99**
EIDC	V	03 21 04 25.2	20.9N	143.0E	0	4.0b,3.3L		¶97v0498
NEIC	V	03 21 04 28.7	21.10N	143.11E	33			
NEIC	Poor solution.							
ISC	**V**	**04 03 39 02.2**±.78	**18.7N**±.11	**147.2E**±.20	**33**	**3.8b**	**11**	**25-87**
EIDC	V	04 03 38 58.5	18.8N	147.5E	0	3.7b		¶97v0554
NEIC	V	04 03 39 02.1	18.75N	147.23E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**V**	**04 14 20 50**±2.1	**15.90N**±.073	**147.7E**±.15	**49**±18	**4.2b**	**32**	**4-146**
BJI	V	04 14 20 49.7	16.31N	147.67E	31	4.5b		¶97v0653
NEIC	V	04 14 20 49.7	15.91N	147.64E	48	4.1b		
EIDC	V	04 14 20 51.3	15.9N	147.8E	46	3.9b		
ISC	**V**	**04 20 55 09**±1.9	**21.51N**±.067	**144.6E**±.16	**167**±17	**3.8b**	**25**	**6-89**
NEIC	V	04 20 55 06.9	21.48N	144.65E	144	4.1b		¶97v0694
EIDC	V	04 20 55 09.0	21.5N	144.7E	150	3.5b		
ISC	**V**	**08 21 06 59**±2.2	**21.64N**±.071	**144.4E**±.18	**135**±20	**3.7b**	**23**	**6-149**
NEIC	V	08 21 06 59.5	21.66N	144.42E	135	4.1b		¶97v1310
EIDC	V	08 21 07 01.1	21.7N	144.3E	132	3.5b		
ISC	**V**	**10 13 24 11.0**±.84	**21.71N**±.066	**142.9E**±.26	**333**±12	**3.6b**	**20**	**5-150**
EIDC	V	10 13 24 09.4	21.5N	142.8E	284	3.4b		¶97v1606
NEIC	V	10 13 24 11.2	21.67N	142.97E	326	3.7b		
NEIC	Poor solution.							
ISC	**V**	**18 15 42 47.9**±.21	**21.43N**±.032	**145.49E**±.042	**41**±6.7*	**4.7b,4.4s**	**150**	**6-148**
EIDC	V	18 15 42 45.1	21.5N	145.6E	13	4.5b,4.1s		¶97v3113
BJI	V	18 15 42 47.8	21.26N	145.26E	36	4.9b,4.5s		
NEIC	V	18 15 42 48.8	21.48N	145.35E	53	4.8b,4.6s		
MOS	V	18 15 42 49.2	21.5N	145.5E	50	5.2b,4.4s		
ISC	**V**	**23 02 53 05.9**±.78	**21.6N**±.11	**143.3E**±.29	**300**	**3.3b**	**11**	**21-150**
NEIC	V	23 02 53 06.0	21.62N	143.25E	300	3.4b		¶97v3872
EIDC	V	23 02 53 07.6	21.6N	143.1E	297	3.1b		
NEIC	Less reliable solution.							
ISC	**V**	**26 06 47 21**±6.7	**19.24N**±.072	**146.5E**±.22	**72**±61	**4.0b**	**17**	**19-87**
NEIC	V	26 06 47 23.6	19.26N	146.45E	100	4.5b		¶97v4381
EIDC	V	26 06 47 26.3	19.2N	146.4E	111	3.6b,4.4L		
NEIC	Less reliable solution.							
ISC	**VI**	**01 11 38 50**±2.8	**18.2N**±.10	**147.1E**±.29	**58**±25	**3.7b**,2.6s	**14**	**5-88**
EIDC	VI	01 11 38 44.0	18.2N	147.4E	0	3.8b,3.7L		¶97vi0072
ISC	**VI**	**17 04 06 01.5**±.79	**19.2N**±.11	**143.4E**±.28	**33**	**4.0b**	**9**	**8-86**
EIDC	VI	17 04 05 58.5	19.2N	143.5E	0	4.1b,4.3L		¶97vi2547
NEIC	VI	17 04 06 00.8	19.21N	143.42E	33	4.1b		
NEIC	Poor solution.							
ISC	**VI**	**20 20 35 46**±2.8	**21.39N**±.033	**145.59E**±.054	**21**±20	**4.9b,4.3s**	**145**	**6-166**
BJI	VI	20 20 35 46.5	21.40N	145.67E	33	5.0b,4.4s		¶97vi3109
EIDC	VI	20 20 35 46.8	21.4N	145.7E	17	4.7b,4.0s		
MOS	VI	20 20 35 47.3	21.4N	145.7E	33	5.3b,4.5s		
NEIC	VI	20 20 35 47.4	21.41N	145.57E	33	5.0b		
ISC	**VI**	**21 04 18 58**±1.2	**17.04N**±.032	**147.26E**±.045	**42**±11	**4.8b,4.9s**	**207**	**4-165**
EIDC	VI	21 04 18 55.0	17.0N	147.4E	17	4.6b,4.2s		¶97vi3157
BJI	VI	21 04 18 56.6	16.99N	147.52E	50	5.0b,4.9s		
NEIC	VI	21 04 18 58.1	17.04N	147.23E	48	4.9b,5.0s		
MOS	VI	21 04 18 58.3	17.0N	147.3E	52	5.5b,4.8s		
HRVD	VI	21 04 18 59.8±.5	17.30N±.07	148.04E±.07	15			
NEIC	Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c44; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}6.54±.34; $M_{\theta\theta}$1.13±.53; $M_{\phi\phi}$−7.67±.46; $M_{r\theta}$6.94±1.64; $M_{r\phi}$1.47±2.02; $M_{\theta\phi}$−1.45±.37. Principal Axes: T 11.3,Plg56°,Azm358°; N −2.8,Plg31°,Azm206°; P −8.5,Plg13°,Azm108°. Best double couple: $M_0$9.9×10^{16}Nm, NP1: ϕ_S164°,δ42°,λ39°. NP2:ϕ_S43°,δ65°,λ124°.							
EIDC	**VI**	**21 07 13 24.2**	**13.6N**	**148.8E**	**0**	**3.4b**		**36-67**
								¶97vi3174
ISC	**VI**	**21 09 09 04**±2.7	**17.04N**±.088	**147.1E**±.32	**61**±22	**4.0b**	**19**	**4-146**
EIDC	VI	21 09 08 57.2	17.0N	147.2E	0	4.0b		¶97vi3190
NEIC	VI	21 09 09 00.7	17.11N	147.31E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**24 19 24 09**±1.8	**22.0N**±.12	**143.3E**±.61	**33**	**3.1b**	**6**	**15-46**
EIDC	VI	24 19 24 06.8	21.9N	143.3E	0	3.4b,3.6L		¶97vi3773
ISC	**VI**	**25 01 45 38**±1.3	**14.5N**±.16	**143.6E**±.13	**100**	**4.0b**	**9**	**2-68**
EIDC	VI	25 01 45 28.8	13.9N	145.6E	0	4.1b		¶97vi3827

(216) Marianas.

EIDC	**I**	**02 11 55 52.9**	**20.3N**	**145.8E**	**0**	3.5b,3.1L		**17-77**
								¶97i0200
ISC	**I**	**02 16 19 31**±1.1	**18.88N**±.071	**145.6E**±.12	**236**±12	**3.7b**	**31**	**5-88**
NEIC	I	02 16 19 32.3	18.82N	145.53E	250	4.8b		¶97i0242
EIDC	I	02 16 19 36.8	18.8N	145.5E	276	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**04 05 34 40**±1.3	**14.44N**±.071	**146.04E**±.085	**67**±12	**4.2b**	**58**	**1-147**
EIDC	I	04 05 34 32.9	14.5N	146.1E	0	4.3b		¶97i0484
BJI	I	04 05 34 36.7	14.25N	146.58E	74	4.6b		

NEIC	I	04 05 34 41.0	14.49N	145.92E	74	4.6b		
NEIC	Less reliable solution.							
ISC	**I**	**07 01 11 01.6**±.85	**19.39N**±.046	**145.28E**±.078	**229**±8.9	**4.2b**	**60**	**6-148**
NEIC	I	07 01 11 01.0	19.42N	145.30E	223	4.5b		**¶97i0865**
EIDC	I	07 01 11 02.6	19.4N	145.4E	225	4.0b		
ISC	**I**	**09 16 07 11.3**±.73	**18.83N**±.050	**145.06E**±.081	**368**±8.2	**3.9b**	**56**	**5-92**
BJI	I	09 16 07 10.7	19.02N	145.43E	378	4.5b		**¶97i1244**
NEIC	I	09 16 07 11.2	18.84N	145.04E	368	4.1b		
EIDC	I	09 16 07 11.8	18.8N	145.4E	360	3.6b		
EIDC	**I**	**13 12 03 28.5**	**14.8N**	**146.7E**	**0**	**3.7b**		**2-46**
								¶97i1836
ISC	**I**	**13 18 53 11**±2.7	**16.7N**±.15	**146.9E**±.31	**107**±26	**3.7b**	**13**	**4-125**
EIDC	I	13 18 52 58.5	16.5N	147.1E	0	3.8b		**¶97i1887**
NEIC	I	13 18 53 05.8	17.19N	146.91E	33	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**18 22 31 50.2**±.82	**18.0N**±.15	**145.3E**±.25	**400**	**3.2b**	**9**	**39-88**
EIDC	I	18 22 31 10.1	18.3N	145.6E	0	3.6b		**¶97i2723**
NEIC	I	18 22 31 49.8	18.04N	145.31E	400	3.0b		
NEIC	Poor solution.							
ISC	**I**	**30 20 44 35**±1.3	**19.7N**±.27	**144.1E**±.68	**33**	**3.5b**	**4**	**41-85**
EIDC	I	30 20 44 31.3	19.8N	144.0E	0	3.6b		**¶97i4538**
ISC	Poorly determined							
ISC	**II**	**04 06 44 38.5**±.62	**16.38N**±.050	**145.55E**±.085	**444**±7.3	**4.1b**	**58**	**3-148**
NEIC	II	04 06 44 38.5	16.40N	145.49E	447	4.2b		**¶97ii0480**
BJI	II	04 06 44 38.8	16.28N	145.62E	458	4.5b		
EIDC	II	04 06 44 39.0	16.4N	145.6E	438	3.7b		
ISC	**II**	**05 23 54 23**±1.8	**14.44N**±.053	**146.7E**±.12	**59**±16	**4.3b**,4.1s	**49**	**2-148**
EIDC	II	05 23 54 17.4	14.5N	146.9E	0	4.3b,3.9s		**¶97ii0768**
MOS	II	05 23 54 23.6	14.5N	146.6E	61	4.8b		
NEIC	II	05 23 54 23.8	14.43N	146.65E	63	4.6b,4.2s		
ISC	**II**	**08 00 07 16**±1.1	**15.5N**±.17	**145.9E**±.42	**33**	**3.7b**	**7**	**2-86**
EIDC	II	08 00 07 09.5	15.0N	145.9E	0	3.7b		**¶97ii1061**
NEIC	II	08 00 07 15.4	15.50N	145.97E	33	3.3b		
NEIC	Less reliable solution.							
ISC	**II**	**13 09 26 08**±6.0	**18.9N**±.15	**145.5E**±.23	**324**±59	**3.6b**	**12**	**19-87**
NEIC	II	13 09 26 05.9	18.88N	145.55E	300	3.6b		**¶97ii1894**
EIDC	II	13 09 26 08.4	18.9N	145.7E	311	3.4b		
NEIC	Poor solution.							
ISC	**II**	**13 19 26 49**±1.2	**18.81N**±.053	**145.4E**±.11	**227**±12	**4.2b**	**42**	**5-148**
MOS	II	13 19 26 49.3	18.8N	145.4E	228	4.8b		**¶97ii1969**
NEIC	II	13 19 26 51.5	18.79N	145.35E	250	4.3b		
BJI	II	13 19 26 51.8	19.10N	145.80E	241	4.3b		
EIDC	II	13 19 26 51.8	18.8N	145.6E	233	3.9b		
ISC	**II**	**14 17 21 47**±3.5	**19.5N**±.82	**145.4E**±.35	**200**	**3.5b**	**7**	**44-148**
EIDC	II	14 17 21 51.7	19.5N	145.4E	224	3.4b		**¶97ii2087**
ISC	**II**	**16 06 36 13**±1.1	**16.8N**±.26	**146.5E**±.54	**33**	**3.6b**	**5**	**42-89**
EIDC	II	16 06 36 09.4	16.9N	146.7E	0	3.7b		**¶97ii2348**
ISC	**II**	**21 12 34 48.9**±.64	**18.37N**±.038	**145.14E**±.075	**442**±7.8	**4.3b**	**76**	**5-148**
NEIC	II	21 12 34 48.8	18.39N	145.14E	443	4.5b		**¶97ii3071**
MOS	II	21 12 34 48.9	18.2N	145.1E	466	4.7b		
BJI	II	21 12 34 48.9	18.33N	145.30E	453	4.7b		
EIDC	II	21 12 34 50.5	18.4N	145.3E	449	3.9b		
ISC	**II**	**27 08 49 35**±3.4	**16.4N**±.57	**145.7E**±.51	**33**	**4.0b**	**5**	**26-89**
EIDC	II	27 08 49 29.2	16.1N	145.5E	0	4.0b		**¶97ii3931**
ISC	**II**	**27 16 12 11**±2.6	**16.7N**±.39	**146.4E**±.27	**33**	**3.5b**	**5**	**21-79**
EIDC	II	27 16 12 09.3	17.0N	146.2E	0	3.7b		**¶97ii3982**
ISC	**II**	**28 02 37 28**±1.1	**13.2N**±.15	**144.3E**±.39	**100**	**3.6b**	**5**	**28-83**
EIDC	II	28 02 37 17.3	13.2N	144.6E	0	3.7b		**¶97ii4108**
NEIC	II	28 02 37 27.6	13.22N	144.32E	100	3.1b		
NEIC	Poor solution.							
ISC	**III**	**01 13 16 45.6**±.90	**19.2N**±.20	**145.0E**±.48	**33**	**4.1b**	**7**	**40-148**
NEIC	III	01 13 16 45.6	19.19N	144.96E	33	3.6b		**¶97iii0114**
EIDC	III	01 13 17 04.9	19.1N	145.1E	196	3.4b		
NEIC	Poor solution.							
ISC	**III**	**02 14 01 40.7**±.98	**17.89N**±.035	**145.88E**±.063	**128**±9.6	**4.8b**	**149**	**4-167**
BJI	III	02 14 01 39.1	17.93N	146.62E	135	4.9b		**¶97iii0325**
NEIC	III	02 14 01 40.9	17.90N	145.91E	131	5.1b		
EIDC	III	02 14 01 41.4	17.9N	146.1E	127	4.5b		
MOS	III	02 14 01 42.5	17.8N	145.9E	149	5.3b		
ISC	**III**	**03 00 43 44.0**±.58	**19.38N**±.090	**145.4E**±.21	**109**±1.2*	**4.1b**	**13**	**24-88**
NEIC	III	03 00 43 44.1	19.42N	145.22E	110			**¶97iii0434**
EIDC	III	03 00 43 45.6	19.5N	145.1E	107	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**05 09 14 24**±3.1	**13.3N**±.46	**145.8E**±.14	**33**	**3.6b**	**7**	**1-83**
NEIC	III	05 09 14 24.1	13.33N	145.78E	33			**¶97iii1025**
EIDC	III	05 09 14 24.6	13.9N	146.2E	0	3.6b		
NEIC	Poor solution.							
ISC	**III**	**09 15 16 18**±1.5	**13.2N**±.17	**145.3E**±.50	**33**	**3.3b**	**5**	**29-148**
EIDC	III	09 15 16 14.0	13.2N	145.7E	0	3.4b		**¶97iii1999**
ISC	Poorly determined							
ISC	**III**	**12 11 27 51**±1.1	**17.72N**±.043	**145.9E**±.11	**138**±11	**4.3b**	**57**	**4-147**
EIDC	III	12 11 27 45.1	17.7N	146.3E	80	4.2b		**¶97iii2522**
NEIC	III	12 11 27 50.5	17.72N	145.94E	138	4.7b		
MOS	III	12 11 27 50.7	17.7N	145.8E	143	4.5b		
ISC	**III**	**15 11 49 13**±1.0	**20.8N**±.11	**145.1E**±.41	**33**	**3.5b**	**6**	**17-62**
EIDC	III	15 11 49 10.8	20.8N	145.2E	0	3.5b,3.4L		**¶97iii3044**
ISC	**III**	**18 22 33 02**±1.1	**14.14N**±.076	**145.5E**±.21	**145**±8.5	**4.0b**	**19**	**1-82**
NEIC	III	18 22 33 01.5	14.18N	145.55E	145	4.4b		**¶97iii3597**
EIDC	III	18 22 33 18.8	14.2N	145.4E	313	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**18 22 47 34.6**±.64	**18.8N**±.11	**145.4E**±.20	**400**	**3.6b**	**12**	**40-98**
NEIC	III	18 22 47 34.2	18.86N	145.48E	400	3.8b		**¶97iii3599**
EIDC	III	18 22 47 38.1	18.8N	145.4E	426	3.3b		
NEIC	Less reliable solution.							
ISC	**III**	**20 06 25 38**±1.0	**18.4N**±.16	**146.7E**±.28	**200**	**3.6b**	**8**	**25-88**
NEIC	III	20 06 25 38.4	18.40N	146.66E	200	3.2b		**¶97iii3854**
EIDC	III	20 06 25 45.6	18.4N	146.5E	254	3.4b		
NEIC	Poor solution.							
ISC	**III**	**24 11 54 20**±1.0	**17.48N**±.038	**145.82E**±.063	**121**±10	**5.0b**	**134**	**4-167**
BJI	III	24 11 54 16.7	17.54N	146.29E	106	4.4b		**¶97iii4563**
NEIC	III	24 11 54 18.1	17.52N	145.91E	105	5.2b		
MOS	III	24 11 54 19.1	17.5N	146.0E	121	5.2b		
EIDC	III	24 11 54 19.5	17.4N	146.2E	109	4.5b,3.9s		
ISC	**III**	**26 08 47 16**±3.1	**14.7N**±.19	**145.2E**±.28	**18**±22	**3.7b**	**8**	**1-82**
EIDC	III	26 08 47 15.0	14.7N	145.2E	0	3.8b		**¶97iii4877**
NEIC	III	26 08 47 18.1	14.61N	145.18E	33			
NEIC	Less reliable solution.							
ISC	**III**	**26 16 30 22.3**±.82	**16.96N**±.090	**146.8E**±.26	**100**	**3.8b**	**13**	**21-89**
NEIC	III	26 16 30 22.3	16.95N	146.81E	100	4.0b		**¶97iii5031**
EIDC	III	26 16 30 25.0	17.0N	146.7E	109	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**26 22 08 50**±1.1	**17.8N**±.20	**146.6E**±.41	**100**	**3.7b**	**6**	**39-147**
EIDC	III	26 22 08 39.6	17.9N	146.7E	0	3.8b		**¶97iii5084**
NEIC	III	26 22 08 50.0	17.74N	146.64E	100			
NEIC	Poor solution.							
ISC	**III**	**27 17 35 07.8**±.96	**19.34N**±.037	**145.56E**±.086	**142**±9.5	**4.3b**	**78**	**6-148**
EIDC	III	27 17 35 06.1	19.3N	145.8E	120	4.2b		**¶97iii5271**
NEIC	III	27 17 35 06.5	19.31N	145.69E	133	4.6b		
MOS	III	27 17 35 08.2	19.3N	145.7E	151	4.5b		
ISC	**III**	**29 05 31 05**±2.6	**14.6N**±.11	**146.8E**±.17	**42**±24	**4.1b**,3.6s	**27**	**2-146**
NEIC	III	29 05 31 03.8	14.58N	146.89E	33	4.3b		**¶97iii5539**
BJI	III	29 05 31 04.1	14.50N	146.97E	31			
EIDC	III	29 05 31 08.2	14.7N	147.0E	51	3.9b,3.6s		
ISC	**III**	**29 12 37 46**±3.4	**17.2N**±.64	**145.6E**±.33	**500**	**3.4b**	**6**	**44-88**
EIDC	III	29 12 37 51.6	17.1N	145.5E	554	3.0b		**¶97iii5587**
ISC	**III**	**29 22 37 58**±1.4	**17.8N**±.16	**145.3E**±.55	**33**	**3.4b**	**4**	**20-65**
EIDC	III	29 22 37 55.1	17.7N	145.3E	0	3.4b		**¶97iii5654**
ISC	Poorly determined							
ISC	**III**	**30 00 06 49**±1.4	**19.4N**±.21	**145.4E**±.33	**33**	**3.7b**	**4**	**44-63**
EIDC	III	30 00 06 46.3	19.4N	145.3E	0	3.8b		**¶97iii5665**
ISC	Poorly determined							
ISC	**III**	**30 12 06 54.3**±.92	**18.49N**±.082	**147.0E**±.32	**33**	**3.9b**	**13**	**20-88**
EIDC	III	30 12 06 51.0	18.4N	147.1E	0	4.0b,4.0L		**¶97iii5755**
NEIC	III	30 12 06 54.0	18.51N	147.03E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**01 21 23 26**±1.7	**19.21N**±.070	**145.0E**±.18	**412**±19	**3.8b**	**26**	**8-148**
NEIC	IV	01 21 23 26.0	19.22N	145.04E	415	3.9b		**¶97iv0143**
EIDC	IV	01 21 23 26.7	19.3N	145.1E	404	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**02 14 56 26.9**±.96	**20.5N**±.14	**145.1E**±.31	**200**	**3.5b**	**8**	**23-148**
NEIC	IV	02 14 56 16.4	20.51N	145.35E	100	4.0b		**¶97iv0259**
EIDC	IV	02 14 56 28.0	20.5N	145.0E	196	3.3b		
NEIC	Poor solution.							
ISC	**IV**	**03 08 16 26.6**±.58	**18.92N**±.089	**145.7E**±.14	**179**	**3.9b**	**23**	**19-148**
NEIC	IV	03 08 16 26.5	18.95N	145.70E	179	4.5b		**¶97iv0398**
EIDC	IV	03 08 16 28.3	18.9N	145.7E	184	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**03 14 23 55.7**±.90	**18.4N**±.13	**145.5E**±.23	**500**	**3.3b**	**9**	**24-148**
EIDC	IV	03 14 23 53.4	18.4N	145.4E	443	2.9b		**¶97iv0443**
NEIC	IV	03 14 23 55.7	18.43N	145.49E	500			
NEIC	Single network solution.							
ISC	**IV**	**05 18 04 39**±3.5	**14.2N**±.13	**146.9E**±.25	**44**±28	**3.6b**,3.1s	**15**	**2-145**
NEIC	IV	05 18 04 37.8	14.21N	146.95E	33			**¶97iv0821**
EIDC	IV	05 18 04 45.0	14.2N	146.8E	78	3.2b,3.1s		
NEIC	Less reliable solution.							
ISC	**IV**	**05 22 43 12.6**±.74	**14.1N**±.11	**144.8E**±.33	**198**±7.7	**3.3b**	**10**	**0-82**
EIDC	IV	05 22 42 51.7	14.0N	145.3E	0	3.5b		**¶97iv0869**
NEIC	IV	05 22 43 12.1	14.09N	144.87E	193	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**08 04 47 00.0**±.97	**19.08N**±.036	**145.46E**±.063	**147**±9.6	**4.7b**	**143**	**5-167**
NEIC	IV	08 04 46 59.7	19.11N	145.48E	144	5.1b		**¶97iv1278**
MOS	IV	08 04 47 00.1	19.1N	145.7E	153	5.2b		
EIDC	IV	08 04 47 00.3	19.1N	145.6E	140	4.4b		
BJI	IV	08 04 47 01.7	19.02N	145.53E	176			
ISC	**IV**	**08 14 47 31**±1.5	**18.95N**±.067	**146.3E**±.15	**83**±15	**3.9b**	**24**	**5-88**
NEIC	IV	08 14 47 30.1	18.95N	146.33E	80	3.9b		**¶97iv1347**
BJI	IV	08 14 47 31.2	18.90N	146.43E	99			
EIDC	IV	08 14 47 32.6	18.9N	146.3E	87	3.7b,4.1L		
NEIC	Less reliable solution.							
ISC	**IV**	**10 22 55 16.6**±.84	**17.2N**±.11	**146.4E**±.28	**33**	**3.7b**	**11**	**21-89**
EIDC	IV	10 22 55 13.7	17.2N	146.3E	0	3.6b		**¶97iv1761**
NEIC	IV	10 22 55 16.5	17.16N	146.43E	33			
NEIC	Poor solution.							
ISC	**IV**	**12 08 17 16.8**±.70	**19.2N**±.15	**145.0E**±.46	**33**	**3.8b**	**9**	**40-86**
EIDC	IV	12 08 17 13.1	19.3N	144.7E	0	3.8b,2.8s		**¶97iv2034**
NEIC	IV	12 08 17 16.7	19.18N	144.98E	33	4.0b		
NEIC	Poor solution.							
EIDC	**IV**	**12 13 14 35.7**	**14.5N**	**144.2E**	**0**	**3.4b**		**23-82**
								¶97iv2071
ISC	**IV**	**14 03 55 43.3**±.55	**15.2N**±.12	**146.5E**±.15	**33**	**3.9b**	**16**	**2-92**
EIDC	IV	14 03 55 40.5	15.3N	146.8E	0	4.0b		**¶97iv2385**
NEIC	IV	14 03 55 43.1	15.18N	146.57E	33			
NEIC	Less reliable solution.							
EIDC	**IV**	**14 13 53 10.2**	**20.3N**	**145.3E**	**0**	**3.8b**		**44-85**
								¶97iv2468
ISC	**IV**	**16 19 17 55**±2.5	**18.54N**±.058	**146.0E**±.18	**176**±24	**4.0b**	**27**	**9-123**
NEIC	IV	16 19 17 53.9	18.53N	146.01E	167	4.4b		**¶97iv2800**
EIDC	IV	16 19 17 54.8	18.5N	146.2E	163	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**17 17 47 44.4**±.55	**13.01N**±.077	**144.4E**±.11	**33**	**4.1b**,3.4s	**20**	**1-148**
EIDC	IV	17 17 47 40.0	13.2N	144.8E	0	4.1b,3.4s		**¶97iv2947**
NEIC	IV	17 17 47 44.0	12.98N	144.43E	33	4.2b		
NEIC	Felt, Less reliable solution.							
NEIC	Felt at Agana, Agana Heights and Dededo, Guam.							
ISC	**IV**	**17 22 59 48**±4.5	**18.2N**±.87	**145.7E**±.51	**33**	**4.1b**	**6**	**25-87**
EIDC	IV	17 22 59 42.4	17.7N	145.6E	0	4.2b		**¶97iv2984**
ISC	**IV**	**21 03 03 31**±1.4	**19.23N**±.071	**145.5E**±.12	**131**±15	**4.2b**	**46**	**6-148**
NEIC	IV	21 03 03 31.0	19.24N	145.59E	129	4.5b		**¶97iv3394**
MOS	IV	21 03 03 31.4	19.2N	145.6E	132	4.6b		
EIDC	IV	21 03 03 35.8	19.1N	145.7E	169	4.0b		
ISC	**IV**	**21 10 27 52**±1.3	**13.30N**±.071	**145.5E**±.14	**59**±11	**4.2b,3.8s**	**32**	**1-145**
EIDC	IV	21 10 27 44.7	13.3N	145.8E	0	4.2b,3.5s		**¶97iv3445**
NEIC	IV	21 10 27 48.5	13.28N	145.71E	33	4.3b		
ISC	**IV**	**23 19 44 29.9**±.52	**13.93N**±.022	**144.94E**±.027	**114**±4.8	**5.9b**	**627**	**0-174**
NEIC	IV	23 19 44 28.4	13.99N	144.90E	101	6.2b		**¶97iv4021**
MOS	IV	23 19 44 28.7	14.0N	144.9E	102	6.0b		
EIDC	IV	23 19 44 29.3	14.0N	145.2E	99	5.6b,5.6s		
BJI	IV	23 19 44 29.5	13.91N	145.05E	113	5.9b		
HRVD	IV	23 19 44 33.8±.1	13.83N±.01	145.05E±.01	95±.4			

NEIC Mw6.5(GS), Me6.2(GS)

NEIC Radiated energy from the P−wave first−motion solution: 4.4±1.4×10^{13}Nm/12

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S175°,δ45°,λ−40°. NP2:ϕ_S296°,δ63°, λ−127°. Principal axes: T Plg10°,Azm52°; P Plg55°,Azm157°. Depth from synthetics of broadband displacement seismograms.

NEIC Mw 6.5 (HRV). Four people injured and some damage to buildings on Guam. Felt I=VII MM at Inarajan, Merizo and Yona; VI MM in central Guam; IV MM at Dededo and Yigo, Guam. Felt strongly on Rota, Saipan and Tinian. Power outages occurred on Guam and Rota.

NEIC Moment tensor solution: s44, scale 10^{18}Nm; M_{rr}−4.08; $M_{\theta\theta}$2.64; $M_{\phi\phi}$1.43; $M_{r\theta}$2.21; $M_{r\phi}$0.98; $M_{\theta\phi}$−4.82. Depth 94km; Principal axes: T 7.00,Plg5°,Azm40°; N −1.21,Plg36°,Azm306°; P −5.78,Plg53°,Azm138°. Best double couple: $M_0$6.4×10^{18}Nm; NP1:ϕ_S163°,δ51°,λ−40°. NP2: ϕ_S281°,δ60°,λ−133°.

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c114; Mantle waves: s44,c89; Half duration: 4s3. Moment tensor: Scale 10^{18}Nm; M_{rr}−4.65±.04; $M_{\theta\theta}$2.78±.04; $M_{\phi\phi}$1.87±.04; $M_{r\theta}$2.06±.04; $M_{r\phi}$1.02±.04; $M_{\theta\phi}$−4.49±.03. Principal Axes: T 6.90,Plg4°,Azm41°; N −0.97,Plg30°,Azm309°; P −5.93,Plg60°,Azm139°. Best double couple: $M_0$6.4×10^{18}Nm, NP1:ϕ_S159°,δ48°,λ−49°. NP2:ϕ_S286°,δ56°,λ−126°.						
ISC	**IV 24 04 01 04**±1.3	**14.1N**±.14	**144.5E**±.29	**112**±10	**3.9b**	**25**	**1-148**
EIDC	IV 24 04 00 51.5	14.2N	144.6E	0	4.1b		**¶97iv4076**
NEIC	IV 24 04 00 55.0	14.71N	143.68E	33			
NEIC	Less reliable solution.						
NEIC	Felt I=III MM at Anigua and Tamuning, Guam.						
ISC	**IV 26 05 45 52.6**±.90	**18.70N**±.031	**145.47E**±.039	**216**±8.8	**5.0b**	**240**	**5-169**
NEIC	IV 26 05 45 49.8	18.80N	145.34E	192	5.2b		**¶97iv4474**
BJI	IV 26 05 45 51.6	19.26N	145.50E	176	4.9b		
MOS	IV 26 05 45 51.9	18.7N	145.6E	214	5.2b		
EIDC	IV 26 05 45 54.2	18.8N	145.6E	224	4.7b		
HRVD	IV 26 05 45 54.8±.5	18.84N±.06	145.68E±.05	199±2.8			
NEIC	Mw5.4(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c22; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}5.77±.40; $M_{\theta\theta}$0.27±.82; $M_{\phi\phi}$−6.04±.80; $M_{r\theta}$−7.82±.70; $M_{r\phi}$6.32±.51; $M_{\theta\phi}$1.15±.69. Principal Axes: T 12.5,Plg55°,Azm207°; N −1.7, Plg16°,Azm321°; P −10.8,Plg30°,Azm61°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S189°,δ21°,λ140°. NP2:ϕ_S317°,δ77°,λ73°.						
ISC	**IV 27 01 07 14**±6.1	**19.21N**±.096	**145.7E**±.33	**147**±56	**3.7b**	**14**	**18-88**
EIDC	IV 27 01 06 58.3	19.2N	145.8E	0	3.9b		**¶97iv4637**
NEIC	IV 27 01 07 09.2	19.21N	145.83E	100	3.7b		
NEIC	Less reliable solution.						
ISC	**IV 29 02 49 55**±1.2	**14.77N**±.058	**144.5E**±.11	**37**±13	**4.3b,4.2s**	**45**	**1-157**
NEIC	IV 29 02 49 53.8	14.79N	144.39E	27	4.5b,4.2s		**¶97iv5009**
EIDC	IV 29 02 49 54.1	14.7N	144.7E	27	4.0b,3.8s		
MOS	IV 29 02 49 54.7	14.7N	144.3E	36	5.4b		
BJI	IV 29 02 49 55.7	15.30N	144.00E	5	4.8b,4.7s		
ISC	**IV 29 04 42 05**±1.4	**14.64N**±.067	**144.3E**±.13	**38**±16	**4.2b,4.3s**	**34**	**1-149**
EIDC	IV 29 04 42 01.5	14.5N	144.3E	0	3.9b,3.9s		**¶97iv5022**
BJI	IV 29 04 42 03.4	15.00N	144.29E	22	5.0b,4.6s		
NEIC	IV 29 04 42 04.3	14.61N	144.22E	33	4.6b,4.2s		
MOS	IV 29 04 42 05.5	14.7N	144.6E	33	5.1b		
ISC	**IV 29 04 50 48.9**±.76	**14.69N**±.097	**144.2E**±.16	**33**	**3.8b**	**10**	**1-82**
EIDC	IV 29 04 50 45.5	14.6N	144.3E	0	3.8b		**¶97iv5023**
NEIC	IV 29 04 50 48.9	14.68N	144.24E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 29 17 21 59.1**±.54	**14.04N**±.027	**145.41E**±.041	**108**±5.0	**5.1b**	**178**	**1-167**
MOS	IV 29 17 21 57.8	14.0N	145.6E	107	5.5b		**¶97iv5104**
NEIC	IV 29 17 21 57.9	14.08N	145.35E	98	5.2b		
BJI	IV 29 17 21 58.0	14.45N	145.35E	69	5.2b,4.7s		
HRVD	IV 29 17 21 59.4±.3	13.84N±.03	145.44E±.04	97±3.5			
EIDC	IV 29 17 21 59.4	14.0N	145.5E	104	4.7b		
NEIC	Mw5.4(HRV)						
NEIC	Felt I=V MM at Andersen AFB, IV MM at Potts Junction and III MM in the northern part of Guam. Also felt on Saipan.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c47; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.33±.33; $M_{\theta\theta}$6.50±.56; $M_{\phi\phi}$0.83±.64; $M_{r\theta}$9.18±.46; $M_{r\phi}$6.29±.43; $M_{\theta\phi}$1.55±.48. Principal Axes: T 12.7,Plg29°,Azm336°; N 1.0, Plg8°,Azm241°; P −13.7,Plg60°,Azm138°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S87°, δ18°,λ−63°. NP2:ϕ_S239°,δ74°,λ−98°.						
ISC	**IV 29 18 51 12**±3.3	**14.76N**±.057	**144.34E**±.086	**26**±26	**4.3b,4.2s**	**47**	**1-149**
EIDC	IV 29 18 51 09.7	14.8N	144.3E	0	4.1b,3.7s		**¶97iv5110**
BJI	IV 29 18 51 12.7	14.90N	144.09E	20	4.9b,4.6s		
NEIC	IV 29 18 51 12.7	14.76N	144.32E	33	4.6b,4.2s		
MOS	IV 29 18 51 12.9	14.8N	144.4E	33	5.2b		
ISC	**V 01 21 53 05**±1.4	**18.71N**±.061	**145.7E**±.14	**127**±13	**4.3b**	**35**	**5-148**
NEIC	V 01 21 53 01.4	18.82N	145.69E	100	4.9b		**¶97v0165**
EIDC	V 01 21 53 19.2	18.7N	145.3E	257	3.5b		
NEIC	Less reliable solution.						
ISC	**V 09 09 06 39.8**±.57	**13.14N**±.021	**144.75E**±.030	**49**±5.2	**5.6b,5.7s**	**369**	**0-175**
BJI	V 09 09 06 37.0	13.20N	144.86E	29	5.3b,5.8s		**¶97v1398**
NEIC	V 09 09 06 37.2	13.20N	144.70E	29	5.9b,5.8s		
EIDC	V 09 09 06 37.4	13.2N	144.8E	20	5.1b,5.3s		
MOS	V 09 09 06 37.8	13.1N	144.7E	33	5.9b,5.7s		
HRVD	V 09 09 06 41.4±.1	13.05N±.02	144.93E±.01	31			
NEIC	Me6.1(GS), Mw6.0(GS)						
NEIC	Radiated energy from the P−wave first−motion solution: 3.2±1.0×10^{13}Nm/8						
NEIC	Mw 6.0 (HRV). Felt I=VII MM at Inarajan and Merizo; V MM at Potts Junction, Guam. Felt throughout Guam.						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ60°,λ135°. NP2:ϕ_S337°,δ52°,λ39°. Principal axes: T Plg52°,Azm184°; P Plg5°,Azm280°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s32, scale 10^{17}Nm; M_{rr}5.40; $M_{\theta\theta}$4.20; $M_{\phi\phi}$−9.60; $M_{r\theta}$−5.50; $M_{r\phi}$−3.30; $M_{\theta\phi}$−2.60. Depth 32km; Principal axes: T 10.3,Plg49°,Azm177°; N 0.9,Plg37°, Azm27°; P −11.2,Plg16°,Azm285°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S336°,δ44°, λ30°. NP2:ϕ_S223°,δ70°,λ130°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c88; Mantle waves: s40,c60; Half duration: 2s5. Moment tensor: Scale 10^{18}Nm; M_{rr}0.60±.01; $M_{\theta\theta}$0.45±.01; $M_{\phi\phi}$−1.04±.01; $M_{r\theta}$−0.63±.02; $M_{r\phi}$−0.32±.02; $M_{\theta\phi}$0.51±.01. Principal Axes: T 1.29,Plg45°,Azm160°; N −0.09,Plg45°,Azm349°; P −1.21,Plg4°,Azm255°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S308°,δ56°,λ32°. NP2:ϕ_S198°,δ64°,λ142°.						
ISC	**V 09 22 19 11**±2.8	**18.2N**±.49	**146.2E**±.37	**33**	**3.9b**	**9**	**20-88**
EIDC	V 09 22 19 04.4	17.6N	146.1E	0	3.9b		**¶97v1492**
ISC	**V 10 18 11 42**±1.4	**15.1N**±.13	**146.9E**±.21	**33**	**3.4b**	**8**	**2-81**
EIDC	V 10 18 11 38.8	15.0N	147.1E	0	3.5b		**¶97v1640**
NEIC	V 10 18 11 41.9	15.05N	146.91E	33			
NEIC	Less reliable solution.						
ISC	**V 11 08 39 46**±6.9	**19.3N**±.11	**145.4E**±.24	**169**±64	**3.3b**	**14**	**18-148**
NEIC	V 11 08 39 48.8	19.30N	145.33E	200			**¶97v1761**
EIDC	V 11 08 39 49.9	19.2N	145.3E	199	3.1b		
NEIC	Single network solution.						
ISC	**V 17 03 06 13**±1.4	**14.06N**±.058	**145.7E**±.15	**72**±11	**4.1b**	**40**	**1-147**
BJI	V 17 03 06 14.2	14.00N	145.40E	82	4.7b,4.5s		**¶97v2874**
NEIC	V 17 03 06 14.2	14.06N	145.41E	82	4.2b		
EIDC	V 17 03 06 20.3	14.0N	145.6E	129	3.8b		
NEIC	Felt, Less reliable solution.						
NEIC	Felt on Guam.						
ISC	**V 20 06 36 21**±7.5	**19.96N**±.075	**144.0E**±.13	**24**±53	**4.2b**,3.8s	**29**	**17-149**
BJI	V 20 06 36 19.0	19.68N	144.20E	37	4.5b		**¶97v3368**
NEIC	V 20 06 36 21.1	19.95N	144.01E	28	4.3b		
EIDC	V 20 06 36 22.2	20.0N	144.1E	25	4.0b,3.4s		
NEIC	Less reliable solution.						
ISC	**V 21 05 04 25.1**±.60	**13.88N**±.058	**144.8E**±.14	**140**±5.7	**4.4b**	**34**	**0-148**
NEIC	V 21 05 04 24.5	13.90N	144.87E	137	4.8b		**¶97v3517**
EIDC	V 21 05 04 26.3	13.9N	144.8E	137	4.1b,2.9s		
BJI	V 21 05 04 27.5	13.90N	144.80E	137	4.2b		
NEIC	Felt I=IV MM by people in high−rise buildings at Agana, Guam.						
ISC	**V 26 08 05 07**±1.4	**17.7N**±.13	**145.7E**±.19	**235**±15	**3.7b**	**16**	**4-148**
EIDC	V 26 08 04 58.6	17.8N	146.0E	144	3.6b		**¶97v4389**
NEIC	V 26 08 05 07.0	17.73N	145.70E	234	3.9b		
NEIC	Less reliable solution.						
ISC	**V 27 15 09 04.2**±.61	**16.26N**±.027	**145.58E**±.035	**539**±7.9	**5.3b**	**314**	**3-172**
NEIC	V 27 15 09 03.7	16.33N	145.44E	536	5.5b		**¶97v4585**
BJI	V 27 15 09 03.8	16.36N	145.77E	536	5.5b		
MOS	V 27 15 09 03.9	16.3N	145.5E	535	5.4b		
EIDC	V 27 15 09 05.4	16.3N	145.7E	546	4.6b		
HRVD	V 27 15 09 07.8±.2	16.24N±.02	145.61E±.02	537±1.2			
NEIC	Mw5.6(GS), Mw5.6(HRV).						
NEIC	Moment tensor solution: s12, scale 10^{17}Nm; M_{rr}−2.57; $M_{\theta\theta}$2.05; $M_{\phi\phi}$0.53; $M_{r\theta}$0.36; $M_{r\phi}$1.54; $M_{\theta\phi}$1.53. Depth 532km; Principal axes: T 3.23,Plg12°,Azm325°; N −0.01,Plg20°,Azm230°; P −3.22,Plg66°,Azm82°. Best double couple: $M_0$3.2×10^{17}Nm; NP1:ϕ_S79°,δ38°,λ−56°. NP2: ϕ_S218°,δ60°,λ−114°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c87; Mantle waves: s6,c7; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.67±.05; $M_{\theta\theta}$2.31±.08; $M_{\phi\phi}$0.37±.09; $M_{r\theta}$0.27±.08; $M_{r\phi}$1.29±.08; $M_{\theta\phi}$0.75±.07. Principal Axes: T 2.65, Plg8°,Azm338°; N 0.49,Plg18°,Azm245°; P −3.15,Plg70°,Azm90°. Best double couple: $M_0$2.9×10^{17}Nm, NP1:ϕ_S88°,δ40°,λ−61°. NP2:ϕ_S232°,δ55°,λ−112°.						
ISC	**VI 01 09 26 17**±2.0	**18.31N**±.077	**146.5E**±.25	**78**±18	**3.9b**	**19**	**5-147**
NEIC	VI 01 09 26 11.3	18.30N	146.67E	33			**¶97vi0052**
EIDC	VI 01 09 26 17.8	18.3N	146.6E	73	3.7b,3.8L		
NEIC	Less reliable solution.						
ISC	**VI 09 19 47 00**±2.4	**18.4N**±.11	**145.3E**±.25	**447**±28	**3.3b**	**10**	**9-87**
NEIC	VI 09 19 46 59.7	18.39N	145.35E	449			**¶97vi1437**
EIDC	VI 09 19 47 01.1	18.4N	145.4E	445	3.0b		
NEIC	Single network solution.						
ISC	**VI 10 23 01 22**±1.8	**15.1N**±.26	**145.9E**±.21	**33**	**4.0b**	**12**	**22-90**
EIDC	VI 10 23 01 17.9	15.0N	145.9E	0	4.1b		**¶97vi1580**
NEIC	VI 10 23 01 22.1	15.04N	145.89E	33	3.9b		
NEIC	Poor solution.						
ISC	**VI 14 09 47 28.4**±.93	**14.5N**±.14	**146.4E**±.16	**33**	**3.8b**	**12**	**2-147**
EIDC	VI 14 09 47 25.1	14.4N	146.4E	0	3.9b		**¶97vi2114**
NEIC	VI 14 09 47 28.6	14.47N	146.40E	33	3.5b		
ISC	**VI 18 13 49 06**±1.2	**17.57N**±.096	**145.8E**±.19	**221**±14	**3.4b**	**17**	**4-148**
NEIC	VI 18 13 49 05.5	17.64N	145.79E	218			**¶97vi2793**
EIDC	VI 18 13 49 12.5	17.6N	145.7E	273	3.3b		
NEIC	Less reliable solution.						
EIDC	**VI 28 20 12 22.8**	**18.2N**	**145.1E**	**0**	**3.7b**		**24-87**
							¶97vi4516
ISC	**VI 29 20 25 17.2**±.65	**17.17N**±.035	**145.51E**±.045	**300**±6.8	**4.7b**	**151**	**4-167**
MOS	VI 29 20 25 16.8	17.2N	145.5E	298	5.1b		**¶97vi4659**
BJI	VI 29 20 25 16.8	17.30N	145.91E	313	4.8b		
NEIC	VI 29 20 25 17.6	17.19N	145.35E	308	4.8b		
EIDC	VI 29 20 25 19.0	17.2N	145.7E	313	4.2b		

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KRSC	**I 30 12 58 41.7**	**52.73N**	**156.61E**	**292**	**3.6b**		**1-2**
							¶97i4489
KRSC	**II 08 02 05 48.6**	**55.72N**	**157.63E**	**0**	**3.5b**		**1-2**
							¶97ii1074
ISC	**II 13 14 59 11**±1.0	**55.62N**±.077	**159.0E**±.22	**68**		**10**	**0-3**
KRSC	II 13 14 59 10.2	55.63N	159.14E	68	3.5b		**¶97ii1941**
ISC	**II 19 06 19 10.3**±.65	**51.3N**±.11	**156.6E**±.16	**126**±5.9	**3.7b**	**25**	**0-146**
KRSC	II 19 06 19 07	51.01N	157.03E	117	3.7b		**¶97ii2737**
NEIC	II 19 06 19 09.4	51.34N	156.61E	115	2.9b		
EIDC	II 19 06 19 11.2	51.3N	156.7E	115	3.5b		
NEIC	Less reliable solution.						
ISC	**II 27 02 32 55**±2.2	**55.7N**±.10	**158.0E**±.19	**18**±16	**3.5b**	**11**	**0-71**
KRSC	II 27 02 32 51.9	55.80N	157.80E	4	3.8b		**¶97ii3892**
EIDC	II 27 02 32 53.5	55.8N	158.1E	0	3.5b		
EIDC	**IV 15 00 13 15.1**	**54.2N**	**155.5E**	**0**	**3.4b**		**44-73**
							¶97iv2531
ISC	**IV 21 06 15 28.9**±.65	**54.0N**±.12	**156.6E**±.24	**342**±7.6	**3.3b**	**20**	**1-72**
EIDC	IV 21 06 14 47.5	52.9N	155.9E	0	3.8b		**¶97iv3415**
NEIC	IV 21 06 15 25.2	54.13N	156.48E	300	3.6b		
KRSC	IV 21 06 15 30.2	53.95N	156.99E	340	3.8b		
NEIC	Poor solution.						
ISC	**V 06 02 06 43**±1.1	**55.7N**±.15	**160.9E**±.32	**177**		**6**	**1-3**
KRSC	V 06 02 06 43.8	55.81N	160.76E	177	3.7b		**¶97v0884**
ISC	**V 27 10 55 38.8**±.34	**54.67N**±.053	**158.39E**±.096	**250**±4.1	**4.0b**	**50**	**1-85**
KRSC	V 27 10 55 37.9	54.51N	159.07E	275	4.2b		**¶97v4556**
NEIC	V 27 10 55 38.6	54.78N	158.26E	248	4.4b		
MOS	V 27 10 55 39.4	54.6N	158.4E	256	4.6b		
EIDC	V 27 10 55 39.8	54.8N	158.3E	246	3.7b		
ISC	**VI 10 01 57 58.8**±.51	**52.30N**±.086	**157.1E**±.13	**134**±5.0	**4.0b**	**45**	**1-160**
NEIC	VI 10 01 57 56.7	52.29N	157.19E	115	4.4b		**¶97vi1463**
EIDC	VI 10 01 57 58.0	52.2N	157.0E	117	3.8b		
MOS	VI 10 01 57 59.3	52.1N	157.5E	137	4.3b		
KRSC	VI 10 01 57 59.8	52.03N	157.69E	131	3.8b		
NEIC	Less reliable solution.						

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ISC	**I 01 14 02 56**±2.9	**53.9N**±.18	**160.9E**±.69	**21**		**5**	**1-2**
KRSC	I 01 14 02 55.8	53.88N	161.09E	21	3.2b		**¶97i0080**
ISC	**I 03 02 45 50**±2.0	**53.3N**±.13	**160.2E**±.35	**37**±30		**10**	**0-4**
KRSC	I 03 02 45 49.4	53.34N	160.36E	39	3.6b		**¶97i0303**
ISC	**I 03 12 56 11.9**±.81	**54.98N**±.077	**162.0E**±.16	**63**		**9**	**1-3**
KRSC	I 03 12 56 13.0	55.03N	161.81E	63	3.5b		**¶97i0376**
ISC	**I 04 07 57 38.3**±.69	**55.50N**±.080	**162.3E**±.17	**57**	**3.4b**	**12**	**1-69**
EIDC	I 04 07 57 31.1	55.7N	161.7E	0	3.4b		**¶97i0498**
KRSC	I 04 07 57 39.7	55.58N	162.06E	57	3.7b		
ISC	**I 05 09 47 14**±1.9	**55.1N**±.12	**162.2E**±.48	**40**		**6**	**1-3**
KRSC	I 05 09 47 15.1	55.14N	162.18E	40	3.3b		**¶97i0652**
ISC	**I 10 17 07 52**±1.7	**55.94N**±.089	**162.6E**±.29	**16**		**6**	**0-4**
KRSC	I 10 17 07 52.3	55.99N	162.56E	16	3.4b		**¶97i1397**
ISC	**I 13 17 34 51**±2.3	**53.4N**±.19	**160.3E**±.33	**45**±47		**8**	**0-3**
KRSC	I 13 17 34 49.7	53.40N	160.51E	29	3.3b		**¶97i1877**
KRSC	**I 13 20 23 37.5**	**53.70N**	**160.75E**	**32**	**3.2b**		**1-2**
							¶97i1891

ISC	**I**	**14 04 57 44.5**±.53	**52.5N**±.10	**158.3E**±.23	**130**±5.1	**3.8b**	**23**	**0-87**	
EIDC	I	14 04 57 32.1	52.2N	158.9E	0	4.1b			**¶97i1956**
KRSC	I	14 04 57 44.8	52.54N	158.33E	117	3.9b			
NEIC	I	14 04 57 46.9	52.76N	157.77E	150				
NEIC	Less reliable solution.								
ISC	**I**	**16 21 30 01**±3.3	**51.1N**±.28	**158.3E**±.37	**41**		**6**	**1-2**	
KRSC	I	16 21 30 03.1	51.24N	158.14E	41				**¶97i2362**
KRSC	MB3.3								
ISC	**I**	**18 12 28 18**±1.9	**51.7N**±.27	**158.3E**±.50	**112**		**7**	**1-2**	
KRSC	I	18 12 28 18.6	52.01N	157.92E	112	3.2b			**¶97i2653**
ISC	**I**	**18 14 39 29**±2.5	**55.54N**±.088	**162.9E**±.45	**40**		**8**	**1-4**	
KRSC	I	18 14 39 31.5	55.62N	162.60E	40	3.2b			**¶97i2676**
ISC	**I**	**19 03 24 54**±4.7	**53.2N**±.45	**160.2E**±.52	**39**		**4**	**0-1**	
KRSC	I	19 03 24 50.9	53.39N	160.43E	39	3.3b			**¶97i2770**
ISC	Poorly determined								
ISC	**I**	**21 01 44 33.3**±.82	**55.08N**±.070	**162.6E**±.14	**35**±12	**3.6b**	**18**	**1-82**	
EIDC	I	21 01 44 29.7	55.0N	162.6E	0	3.6b			**¶97i3115**
NEIC	I	21 01 44 33.6	55.01N	162.79E	33				
KRSC	I	21 01 44 33.6	55.10N	162.50E	40	4.1b			
NEIC	Poor solution.								
ISC	**I**	**21 14 22 54.4**±.57	**54.64N**±.087	**160.5E**±.18	**115**	**3.4b**	**16**	**2-81**	
EIDC	I	21 14 22 44.0	53.5N	162.4E	0	3.6b			**¶97i3192**
KRSC	I	21 14 22 54.8	54.64N	160.50E	115	3.9b			
ISC	**I**	**21 22 07 23**±2.2	**53.89N**±.099	**160.2E**±.46	**62**		**6**	**1-2**	
KRSC	I	21 22 07 22.4	53.87N	160.47E	62	3.3b			**¶97i3240**
ISC	**I**	**23 15 46 02**±1.2	**55.67N**±.095	**162.6E**±.24	**59**	3.0b	**7**	**1-40**	
KRSC	I	23 15 46 00.4	55.72N	162.91E	59	3.9b			**¶97i3520**
ISC	**I**	**24 17 32 06**±4.6	**53.7N**±.26	**160.5E**±.83	**14**		**5**	**1-3**	
KRSC	I	24 17 32 05.2	53.67N	160.61E	14	3.5b			**¶97i3671**
ISC	**I**	**26 21 25 22**±2.8	**55.3N**±.11	**161.4E**±.67	**102**		**5**	**1-3**	
KRSC	I	26 21 25 22.5	55.31N	161.23E	102	3.4b			**¶97i3999**
ISC	Poorly determined								
ISC	**I**	**27 15 27 41**±1.0	**53.66N**±.098	**160.9E**±.20	**40**		**9**	**1-3**	
KRSC	I	27 15 27 42.1	53.66N	160.80E	40	3.9b			**¶97i4099**
ISC	**I**	**30 01 41 11**±1.0	**54.52N**±.099	**162.7E**±.17	**31**		**9**	**2-3**	
KRSC	I	30 01 41 11.9	54.58N	162.58E	31	3.5b			**¶97i4424**
ISC	**II**	**03 22 45 56**±2.4	**54.19N**±.097	**161.2E**±.51	**22**		**11**	**0-42**	
KRSC	II	03 22 45 54.8	54.21N	161.42E	22	3.8b			**¶97ii0435**
ISC	**II**	**06 04 07 48**±1.9	**54.13N**±.093	**161.0E**±.41	**34**		**8**	**0-2**	
KRSC	II	06 04 07 46.8	54.12N	161.18E	34	3.2b			**¶97ii0794**
ISC	**II**	**08 04 13 25**±1.6	**54.78N**±.076	**162.1E**±.30	**33**		**11**	**1-3**	
KRSC	II	08 04 13 23.7	54.82N	162.18E	33	3.6b			**¶97ii1089**
ISC	**II**	**09 04 52 53**±1.3	**55.04N**±.084	**162.3E**±.26	**40**	2.6b	**10**	**1-41**	
KRSC	II	09 04 52 51.8	55.06N	162.53E	40	3.3b			**¶97ii1255**
ISC	**II**	**09 18 57 36**±1.6	**55.24N**±.027	**161.85E**±.039	**17**±11	**5.7b,5.5s**	**622**	**1-164**	
BJI	II	09 18 57 36.0	55.15N	161.86E	31	5.5b,5.7s			**¶97ii1345**
NEIC	II	09 18 57 37.8	55.24N	161.94E	33	5.9b,5.3s			
KRSC	II	09 18 57 40.4	55.09N	162.29E	40	5.3b			
MOS	II	09 18 57 41.1	55.1N	162.0E	65	6.3b,5.6s			
EIDC	II	09 18 57 42.0	55.3N	161.8E	59	5.2b			
HRVD	II	09 18 57 42.8±.2	54.85N±.02	162.86E±.02	43±1.1				
NEIC	Mw5.9(HRV), Me5.4(GS								
NEIC	Mw 5.7 (GS)								
NEIC	Radiated energy from the P−wave first−motion solution: 2.5±0.9×10^{12}Nm/9								
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ60°,λ60°. NP2:ϕ_S304°,δ41°,λ131°. Principal axes: T Plg62°,Azm296°; P Plg10°,Azm186°. Depth from synthetics of broadband displacement seismograms.								
NEIC	Moment tensor solution: s29, scale 10^{17}Nm; M_{rr}3.52; $M_{\theta\theta}$−0.71; $M_{\phi\phi}$−2.81; $M_{r\theta}$0.86; $M_{r\phi}$1.70; $M_{\theta\phi}$−1.43. Depth 32km; Principal axes: T 4.00,Plg76°,Azm297°; N 0.01,Plg0°, Azm207°; P −4.01,Plg14°,Azm117°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S207°,δ31°, λ90°. NP2:ϕ_S27°,δ59°,λ90°.								
KRSC	Felt I=IV MSK Kronoki, I=III Cape Shipunskii, Krutoberegovo, I=II−III Petropavlovsk, Kluchi								
MOS	Felt I=II MSK at Petropavlovsk−Kamchatskiy, Klyuchi.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c89; Half duration: 2^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}5.47±.07; $M_{\theta\theta}$−0.35±.11; $M_{\phi\phi}$−5.12±.09; $M_{r\theta}$2.43±.15; $M_{r\phi}$1.96±.17; $M_{\theta\phi}$−4.06±.11. Principal Axes: T 6.37,Plg72°,Azm350°; N 1.70, Plg14°,Azm214°; P −8.07,Plg12°,Azm121°. Best double couple: $M_0$7.2×10^{17}Nm, NP1: ϕ_S194°,δ35°,λ66°. NP2:ϕ_S43°,δ59°,λ106°.								
KRSC	**II**	**09 19 03 53.4**	**55.06N**	**162.27E**	**30**	**4.2b**		**1-3**	
									¶97ii1350
ISC	**II**	**09 19 08 35**±1.7	**55.06N**±.073	**162.4E**±.31	**36**		**11**	**1-3**	
KRSC	II	09 19 08 34.4	55.10N	162.35E	36	3.6b			**¶97ii1352**
KRSC	**II**	**09 19 12 48.1**	**54.55N**	**162.29E**	**0**	**3.6b**		**1-3**	
									¶97ii1354
ISC	**II**	**09 19 21 38**±1.6	**55.34N**±.065	**162.5E**±.28	**0**		**9**	**1-4**	
KRSC	II	09 19 21 35.6	55.34N	162.60E	0	3.4b			**¶97ii1355**
KRSC	**II**	**09 20 18 12.7**	**54.98N**	**162.55E**	**40**	**3.3b**		**1-4**	
									¶97ii1360
KRSC	**II**	**09 20 45 15.7**	**55.05N**	**162.24E**	**36**	**3.5b**		**1-3**	
									¶97ii1361
ISC	**II**	**09 21 09 20.3**±.69	**55.11N**±.061	**162.3E**±.12	**50**±8.6	**3.8b**	**23**	**1-85**	
MOS	II	09 21 09 19.4	55.3N	162.3E	33	4.0b			**¶97ii1365**
NEIC	II	09 21 09 20.0	55.52N	162.17E	33	3.7b			
KRSC	II	09 21 09 20.0	55.10N	162.37E	51	4.1b			
EIDC	II	09 21 09 29.2	55.5N	162.2E	105	3.5b			
NEIC	Less reliable solution.								
ISC	**II**	**09 22 39 20**±1.5	**55.03N**±.079	**162.3E**±.30	**49**±25	3.2b	**12**	**1-41**	
KRSC	II	09 22 39 21.2	55.09N	162.27E	40	4.1b			**¶97ii1375**
KRSC	**II**	**09 23 25 53.2**	**55.10N**	**162.16E**	**38**	**3.3b**		**1-3**	
									¶97ii1381
ISC	**II**	**10 07 36 24**±1.6	**55.03N**±.072	**162.2E**±.30	**32**		**11**	**1-3**	
KRSC	II	10 07 36 23.9	55.07N	162.13E	32	3.4b			**¶97ii1432**
ISC	**II**	**10 07 52 42.4**±.75	**55.07N**±.071	**162.4E**±.15	**57**±19	2.9b	**12**	**1-41**	
KRSC	II	10 07 52 43.1	55.08N	162.31E	40	4.1b			**¶97ii1434**
ISC	**II**	**11 22 01 52**±2.3	**55.05N**±.083	**162.4E**±.36	**63**±43		**11**	**1-4**	
KRSC	II	11 22 01 51.0	55.08N	162.41E	21	3.6b			**¶97ii1678**
ISC	**II**	**12 17 13 10**±3.4	**53.2N**±.22	**160.7E**±.43	**54**±36		**9**	**0-3**	
KRSC	II	12 17 13 11.1	53.32N	160.50E	34	3.4b			**¶97ii1796**
KRSC	**II**	**12 20 53 58.1**	**55.07N**	**162.27E**	**35**	**3.3b**		**1-3**	
									¶97ii1817
ISC	**II**	**13 23 31 55.3**±.38	**53.84N**±.043	**160.12E**±.071	**105**±3.8	**4.6b**	**128**	**1-144**	
BJI	II	13 23 31 53.6	53.94N	160.05E	100	4.4b			**¶97ii1996**
MOS	II	13 23 31 55.0	53.8N	160.3E	105	4.4b			
NEIC	II	13 23 31 55.0	53.92N	160.10E	100	4.8b			
EIDC	II	13 23 31 55.9	54.0N	159.9E	95	4.1b			
KRSC	II	13 23 31 56.2	53.79N	160.29E	87	4.4b			
ISC	**II**	**15 22 35 29.2**±.53	**53.80N**±.053	**160.6E**±.11	**64**±4.9	**4.0b**	**52**	**1-86**	
EIDC	II	15 22 35 22.9	53.9N	160.4E	0	4.0b			**¶97ii2303**
NEIC	II	15 22 35 26.5	53.99N	160.42E	33	4.4b			
MOS	II	15 22 35 27.8	54.2N	160.4E	33	4.5b			
KRSC	II	15 22 35 29.9	53.75N	160.65E	40	4.2b			
NEIC	Less reliable solution.								
KRSC	Felt I=II MSK Cape Shipunskiy								
ISC	**II**	**16 07 14 39**±1.7	**53.7N**±.12	**160.6E**±.33	**27**±16		**10**	**1-58**	
KRSC	II	16 07 14 38.5	53.62N	160.68E	23	3.4b			**¶97ii2352**
ISC	**II**	**16 17 18 22**±3.2	**55.6N**±.13	**162.0E**±.32	**105**±44		**10**	**1-4**	
KRSC	II	16 17 18 23.1	55.53N	161.86E	81	3.4b			**¶97ii2396**
ISC	**II**	**17 17 39 09**±4.4	**54.46N**±.093	**162.6E**±.68	**32**		**9**	**1-3**	
KRSC	II	17 17 39 09	54.5N	162.5E	32	3.3b			**¶97ii2520**
ISC	**II**	**19 18 22 08**±4.3	**55.09N**±.083	**162.6E**±.66	**23**		**8**	**1-3**	
KRSC	II	19 18 22 10.8	55.14N	162.07E	23	3.3b			**¶97ii2813**
ISC	**II**	**21 20 32 16**±2.2	**51.6N**±.22	**158.5E**±.38	**70**±41		**9**	**1-4**	
KRSC	II	21 20 32 16.6	51.73N	158.28E	65	3.4b			**¶97ii3120**
KRSC	**II**	**23 19 33 16.9**	**56.04N**	**162.76E**	**37**	**3.2b**		**0-2**	
									¶97ii3363
ISC	**II**	**26 03 34 31.3**±.72	**56.21N**±.095	**163.1E**±.12	**34**	**3.4b**	**12**	**1-68**	
KRSC	II	26 03 34 29.2	56.39N	163.14E	34	3.8b			**¶97ii3738**
EIDC	II	26 03 34 32.2	56.4N	164.0E	0	3.4b			
ISC	**II**	**26 08 22 30**±1.4	**55.08N**±.078	**162.3E**±.30	**48**±26	2.9b	**11**	**1-41**	
KRSC	II	26 08 22 31.4	55.11N	162.23E	40	3.7b			**¶97ii3767**
ISC	**II**	**26 21 45 53**±4.7	**55.04N**±.083	**162.3E**±.78	**53**±58		**10**	**1-3**	
KRSC	II	26 21 45 53.1	55.08N	162.30E	40	3.8b			**¶97ii3857**
ISC	**II**	**26 21 54 40**±1.2	**54.20N**±.079	**160.8E**±.31	**48**		**9**	**0-2**	
KRSC	II	26 21 54 39.9	54.23N	160.92E	48	3.2b			**¶97ii3861**
ISC	**II**	**28 07 24 30.7**±.79	**55.0N**±.32	**162.5E**±.50	**33**	**3.5b**	**9**	**1-56**	
KRSC	II	28 07 24 25.6	55.20N	162.94E	37	3.6b			**¶97ii4166**
EIDC	II	28 07 24 43.0	55.2N	165.8E	15	3.5b			
ISC	**III**	**02 20 59 39**±1.6	**56.3N**±.16	**162.7E**±.17	**61**	3.0b	**9**	**1-40**	
KRSC	III	02 20 59 37.6	56.32N	162.75E	61	3.8b			**¶97iii0405**
ISC	**III**	**04 07 19 03**±1.2	**54.33N**±.068	**161.8E**±.22	**48**±11	**3.8b**	**25**	**0-86**	
KRSC	III	04 07 19 01.4	54.30N	161.99E	25	4.2b			**¶97iii0800**
NEIC	III	04 07 19 01.6	54.64N	161.66E	33	3.3b			
EIDC	III	04 07 19 03.0	54.6N	161.7E	30	3.7b			
NEIC	Less reliable solution.								
ISC	**III**	**05 12 20 19.8**±.47	**52.47N**±.047	**158.97E**±.061	**73**±3.6	**4.7b**	**176**	**0-145**	
BJI	III	05 12 20 14.1	52.81N	158.51E	20	4.5b			**¶97iii1056**
NEIC	III	05 12 20 15.4	52.56N	158.94E	33	5.0b			
MOS	III	05 12 20 18.7	52.5N	159.0E	63	5.1b			
KRSC	III	05 12 20 20.3	52.44N	159.18E	33	4.5b			
EIDC	III	05 12 20 20.8	52.6N	158.9E	69	4.3b,4.1s			
MOS	Felt I=II−III MSK Petropavlovsk−Kamchatskiy								
ISC	**III**	**06 06 19 36.4**±.45	**52.47N**±.041	**158.95E**±.053	**73**±3.6	**4.8b**	**212**	**0-148**	
BJI	III	06 06 19 30.9	52.79N	158.73E	27	4.6b			**¶97iii1212**
NEIC	III	06 06 19 32.0	52.56N	158.92E	33	5.1b			
MOS	III	06 06 19 35.8	52.5N	159.1E	66	5.2b			
KRSC	III	06 06 19 36.4	52.39N	159.14E	46	4.9b			
EIDC	III	06 06 19 37.7	52.6N	158.7E	72	4.4b,3.8s			
MOS	FeltI=II−III MSK Petropavlovsk−Kamchatskiy								
ISC	**III**	**12 11 08 43**±1.2	**54.6N**±.15	**161.7E**±.44	**83**±16	**3.2b**	**12**	**0-81**	
EIDC	III	12 11 08 32.7	54.9N	160.4E	0	3.5b			**¶97iii2519**
KRSC	III	12 11 08 37.4	54.45N	162.15E	0	4.0b			
NEIC	III	12 11 08 43.2	55.21N	160.18E	100				
NEIC	Poor solution.								
ISC	**III**	**26 09 31 38.7**±.52	**54.65N**±.053	**160.36E**±.080	**88**±5.7	**4.2b**	**79**	**0-144**	
BJI	III	26 09 31 37.0	54.82N	160.38E	74	4.4b			**¶97iii4898**
NEIC	III	26 09 31 37.4	54.74N	160.35E	75	4.3b			
EIDC	III	26 09 31 38.9	54.7N	160.3E	75	4.0b			
KRSC	III	26 09 31 39.9	54.46N	160.61E	76	4.6b			
MOS	III	26 09 31 40.1	54.6N	160.6E	105	4.3b			
ISC	**III**	**27 20 34 58**±1.0	**54.34N**±.089	**161.6E**±.23	**53**±9.5	**3.7b**	**19**	**0-81**	
EIDC	III	27 20 34 52.5	54.4N	161.5E	0	3.7b			**¶97iii5305**
NEIC	III	27 20 34 56.2	54.68N	161.14E	33	3.6b			
KRSC	III	27 20 34 58.6	54.33N	161.55E	40	4.3b			
NEIC	Less reliable solution.								
ISC	**III**	**31 11 39 29.6**±.59	**51.62N**±.045	**158.03E**±.056	**66**±4.8	**4.8b**	**188**	**1-147**	
BJI	III	31 11 39 26.8	51.65N	158.19E	58	5.0b,4.7s			**¶97iii5883**
NEIC	III	31 11 39 28.5	51.67N	158.07E	56	5.0b			
KRSC	III	31 11 39 28.5	51.37N	158.43E	40	4.9b			
MOS	III	31 11 39 28.7	51.6N	158.1E	63	5.2b			
EIDC	III	31 11 39 30.0	51.6N	158.1E	57	4.5b,3.3s			
NEIC	Felt I=II MM at Paramushir.								
MOS	Felt I=I−II MSK Severo−kirilsk								
ISC	**IV**	**03 22 40 39.0**±.46	**53.35N**±.043	**160.41E**±.053	**57**±4.1	**4.8b,4.2s**	**197**	**0-144**	
NEIC	IV	03 22 40 36.5	53.43N	160.40E	33	5.0b,4.3s			**¶97iv0494**
BJI	IV	03 22 40 36.8	53.66N	160.00E	37	4.7b,4.5s			
MOS	IV	03 22 40 37.0	53.5N	160.4E	33	5.2b,4.2s			
EIDC	IV	03 22 40 40.0	53.4N	160.3E	49	4.4b,3.8s			
KRSC	IV	03 22 40 40.1	53.35N	160.37E	38	4.8b			
MOS	Felt I=II MSK at Petropavlovsk−Kamchatskiy								
ISC	**IV**	**10 10 47 17.4**±.66	**55.77N**±.075	**163.0E**±.13	**42**	**3.6b**	**16**	**1-68**	
KRSC	IV	10 10 47 14.5	55.80N	163.32E	42	4.0b			**¶97iv1676**
EIDC	IV	10 10 47 17.3	56.2N	163.6E	0	3.7b			
NEIC	IV	10 10 47 20.1	56.13N	163.58E	33				
NEIC	Single network solution.								
ISC	**IV**	**20 13 44 25.7**±.80	**55.26N**±.054	**162.4E**±.11	**38**±8.7	**3.9b**,3.9s	**44**	**1-85**	
NEIC	IV	20 13 44 24.9	55.30N	162.37E	31	4.1b			**¶97iv3320**
MOS	IV	20 13 44 25.3	55.4N	162.2E	33	4.3b			
KRSC	IV	20 13 44 25.4	55.22N	162.59E	40	4.3b			
EIDC	IV	20 13 44 27.4	55.3N	162.4E	36	3.7b,3.9s			
ISC	**IV**	**24 06 35 57**±4.5	**51.8N**±.67	**157.8E**±.58	**33**	**3.5b**	**5**	**31-72**	
EIDC	IV	24 06 35 53.0	51.6N	157.7E	0	3.5b			**¶97iv4094**
ISC	**IV**	**30 09 15 48.6**±.42	**53.90N**±.052	**159.83E**±.079	**102**±4.6	**4.2b**	**77**	**1-86**	
BJI	IV	30 09 15 46.5	54.31N	159.81E	89	4.4b			**¶97iv5190**
NEIC	IV	30 09 15 47.1	53.99N	159.74E	88	4.5b			
EIDC	IV	30 09 15 48.5	54.0N	159.6E	87	4.0b			
KRSC	IV	30 09 15 48.7	53.77N	160.19E	89	4.4b			
MOS	IV	30 09 15 48.8	53.9N	159.9E	103	4.6b			
ISC	**V**	**02 00 41 27**±1.2	**56.45N**±.064	**162.6E**±.10	**17**±10	**4.0b**	**39**	**0-146**	
KRSC	V	02 00 41 26.1	56.46N	162.58E	5	4.6b			**¶97v0181**
EIDC	V	02 00 41 26.2	56.5N	162.7E	0	4.0b,3.1s			
NEIC	V	02 00 41 29.5	56.50N	162.58E	33	3.9b			
MOS	V	02 00 41 30.0	56.4N	162.8E	33	4.2b			
NEIC	Less reliable solution.								
MOS	Felt I=III MSK at Ust−Kamchatsk.								
KRSC	**V**	**05 17 36 34.0**	**55.52N**	**162.63E**	**103**	**3.7b**			**¶97v0824**
ISC	**V**	**15 18 30 26.2**±.67	**56.19N**±.078	**163.1E**±.12	**3**	**3.9b**	**15**	**0-68**	
EIDC	V	15 18 30 25.9	56.3N	162.4E	0	3.9b			**¶97v2661**
KRSC	V	15 18 30 28.1	56.20N	162.76E	3	4.2b			
ISC	**V**	**16 22 41 06.0**±.54	**55.56N**±.029	**162.50E**±.040	**54**±5.2	**5.1b,4.9s**	**437**	**1-152**	
BJI	V	16 22 41 01.1	55.48N	162.40E	30	5.1b,5.1s			**¶97v2838**
NEIC	V	16 22 41 03.5	55.58N	162.54E	33	5.2b,4.7s			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
MOS	V	16 22 41 04.1	55.7N	162.5E	33	5.6b,5.0s		
KRSC	V	16 22 41 05.2	55.49N	163.11E	42	5.2b		
EIDC	V	16 22 41 06.5	55.6N	162.6E	45	4.6b,4.2s		
HRVD	V	16 22 41 09.5±.2	55.59N±.03	163.10E±.07	31			
NEIC		Mw5.5(HRV).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c61; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.00±.04; $M_{\theta\theta}$−1.33±.04; $M_{\phi\phi}$0.33±.05; $M_{r\theta}$1.02±.11; $M_{r\phi}$1.16±.09; $M_{\theta\phi}$0.30±.05. Principal Axes: T 2.17,Plg52°,Azm297°; N −0.44, Plg29°,Azm72°; P −1.73,Plg22°,Azm175°. Best double couple: $M_0$2.0×10^{17}Nm, NP1: ϕ_s306°,δ34°,λ149°. NP2:ϕ_s63°,δ73°,λ60°.						
ISC	**V**	**18 01 29 14.6**±.80	**53.32N**±.087	**160.4E**±.19	**59**±8.4	**3.5b**	**19**	**0-80**
EIDC	V	18 01 29 09.0	53.5N	160.4E	0	3.6b		¶97v3011
NEIC	V	18 01 29 11.9	53.56N	160.20E	33			
KRSC	V	18 01 29 15.1	53.33N	160.44E	38	4.0b		
NEIC		Less reliable solution.						
ISC	**V**	**18 20 11 20.8**±.39	**54.55N**±.048	**159.66E**±.084	**138**±4.3	**4.0b**	**58**	**1-87**
BJI	V	18 20 11 17.4	54.56N	160.05E	139	4.6b		¶97v3144
NEIC	V	18 20 11 20.2	54.72N	159.53E	131	4.4b		
MOS	V	18 20 11 20.5	54.6N	159.6E	136	4.7b		
KRSC	V	18 20 11 21.2	54.46N	159.96E	131	4.4b		
EIDC	V	18 20 11 21.8	54.7N	159.6E	131	3.8b		
ISC	**V**	**19 09 49 20**±1.2	**53.4N**±.12	**160.3E**±.26	**29**±13		**11**	**0-4**
KRSC	V	19 09 49 18.5	53.31N	160.53E	31	3.7b		¶97v3234
ISC	**VI**	**06 14 32 59.0**±.60	**55.55N**±.059	**162.2E**±.12	**62**±7.6	**3.7b**	**22**	**1-83**
EIDC	VI	06 14 32 52.4	55.6N	161.9E	0	3.7b		¶97vi0944
NEIC	VI	06 14 32 55.7	55.62N	161.84E	33	4.2b		
MOS	VI	06 14 32 56.4	55.9N	161.9E	33	4.0b		
KRSC	VI	06 14 32 58.8	55.53N	162.34E	37	3.8b		
NEIC		Less reliable solution.						
ISC	**VI**	**10 06 26 52.7**±.70	**55.09N**±.060	**162.3E**±.12	**47**±7.9	**3.6b**	**27**	**1-85**
EIDC	VI	10 06 26 48.0	55.2N	162.1E	0	3.7b,4.1L		¶97vi1485
NEIC	VI	10 06 26 51.1	55.17N	162.08E	33	3.6b		
MOS	VI	10 06 26 51.5	55.0N	163.3E	33	4.0b		
KRSC	VI	10 06 26 52.4	55.10N	162.35E	32	4.1b		
NEIC		Less reliable solution.						
ISC	**VI**	**12 17 56 24.1**±.71	**54.02N**±.065	**160.9E**±.17	**65**±6.4	**3.4b**	**28**	**1-81**
EIDC	VI	12 17 56 17.8	54.1N	160.8E	0	3.6b		¶97vi1878
KRSC	VI	12 17 56 23.2	53.96N	161.05E	21	4.0b		
NEIC	VI	12 17 56 28.1	54.21N	160.70E	100			
NEIC		Less reliable solution.						
ISC	**VI**	**14 10 20 03.5**±.44	**54.75N**±.048	**161.0E**±.11	**123**±4.9	**4.0b**	**45**	**0-145**
NEIC	VI	14 10 20 03.0	54.86N	160.88E	116	4.0b		¶97vi2118
KRSC	VI	14 10 20 03.4	54.70N	161.24E	107	4.4b		
EIDC	VI	14 10 20 04.1	54.8N	161.0E	111	3.8b		
MOS	VI	14 10 20 04.5	54.8N	160.9E	131	4.0b		
ISC	**VI**	**15 03 40 35**±3.3	**55.9N**±.25	**161.4E**±.17	**94**±55		**10**	**1-4**
KRSC	VI	15 03 40 34.3	55.91N	161.38E	100	3.7b		¶97vi2231
ISC	**VI**	**26 01 41 34.0**±.83	**54.42N**±.068	**162.8E**±.12	**40**±9.1	**3.9b**	**28**	**1-86**
EIDC	VI	26 01 41 31.1	54.6N	162.6E	0	3.8b,3.5s		¶97vi4066
NEIC	VI	26 01 41 33.2	54.49N	162.55E	33	4.4b		
KRSC	VI	26 01 41 33.3	54.39N	162.85E	29	4.3b		
MOS	VI	26 01 41 34.6	54.9N	162.1E	33	4.5b		
NEIC		Less reliable solution.						
ISC	**VI**	**26 16 09 10**±2.3	**54.32N**±.062	**162.9E**±.10	**29**±18	**4.1b**	**49**	**1-144**
KRSC	VI	26 16 09 07.8	54.29N	163.03E	19	4.6b		¶97vi4169
NEIC	VI	26 16 09 09.9	54.42N	162.76E	28	4.5b		
MOS	VI	26 16 09 11.2	54.3N	163.0E	33	4.7b		
EIDC	VI	26 16 09 11.9	54.6N	162.6E	27	3.9b		
NEIC		Less reliable solution.						

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ISC	**I**	**02 01 23 02**±2.0	**51.8N**±.17	**159.3E**±.30	**51**±20	**3.4b**	**12**	**1-72**
EIDC	I	02 01 22 45.3	52.1N	155.4E	0	3.6b		¶97i0148
KRSC	I	02 01 23 02.6	51.74N	159.37E	36	3.7b		
KRSC	**I**	**03 13 34 28.9**	**52.16N**	**160.43E**	**20**	**3.6b**		**1-2**
								¶97i0381
KRSC	**I**	**05 13 08 16.5**	**52.92N**	**162.41E**	**40**	**3.6b**		**1-4**
								¶97i0675
ISC	**I**	**05 20 29 35**±2.5	**51.8N**±.21	**159.1E**±.42	**92**		**7**	**1-2**
KRSC	I	05 20 29 36.7	52.04N	158.71E	92	3.8b		¶97i0707
ISC	**I**	**07 08 39 05**±4.3	**51.3N**±.25	**159.8E**±.50	**11**		**7**	**1-2**
KRSC	I	07 08 39 05.0	51.35N	159.75E	11			¶97i0901
KRSC	MB	3.8						
ISC	**I**	**09 17 05 10**±7.9	**51.3N**±.37	**160.0E**±.92	**42**		**6**	**1-3**
KRSC	I	09 17 05 10.6	51.38N	159.81E	42	3.3b		¶97i1250
ISC	**I**	**13 00 13 38**±1.6	**53.0N**±.41	**159.5E**±.43	**109**		**4**	**0-1**
KRSC	I	13 00 13 37.7	53.02N	159.55E	109	3.3b		¶97i1755
ISC		Poorly determined						
ISC	**I**	**13 16 46 33**±4.4	**51.5N**±.27	**159.7E**±.40	**4**		**6**	**1-2**
KRSC	I	13 16 46 32.8	51.47N	159.69E	4	3.6b		¶97i1874
ISC	**I**	**14 01 06 29**±3.3	**51.4N**±.19	**159.7E**±.38	**0**		**7**	**1-2**
KRSC	I	14 01 06 29.4	51.51N	159.62E	0	3.7b		¶97i1927
ISC	**I**	**14 18 32 21**±2.8	**52.7N**±.14	**159.9E**±.27	**16**±22		**8**	**0-4**
KRSC	I	14 18 32 21.4	52.74N	159.88E	22	3.4b		¶97i2034
ISC	**I**	**14 20 35 26**±1.9	**53.7N**±.13	**161.1E**±.37	**38**		**9**	**1-3**
KRSC	I	14 20 35 26.9	53.83N	160.97E	38	3.5b		¶97i2054
ISC	**I**	**17 20 13 37**±1.3	**55.8N**±.12	**163.9E**±.17	**17**		**7**	**1-5**
KRSC	I	17 20 13 37.3	55.86N	163.92E	17	3.4b		¶97i2525
KRSC	**I**	**18 12 13 57.9**	**52.42N**	**160.57E**	**0**	**3.5b**		**1-1**
								¶97i2652
KRSC	**I**	**20 16 35 45.0**	**53.47N**	**162.73E**	**9**	**3.2b**		**2-3**
								¶97i3043
ISC	**I**	**21 04 44 21**±5.7	**51.6N**±.25	**159.2E**±.65	**0**		**4**	**1-2**
KRSC	I	21 04 44 17.0	51.54N	159.58E	0	3.3b		¶97i3137
ISC		Poorly determined						
KRSC	**I**	**21 20 34 39.0**	**51.94N**	**161.08E**	**43**	**3.2b**		**1-2**
								¶97i3224
ISC	**I**	**22 20 47 33**±6.9	**52.4N**±.30	**160.6E**±.68	**16**		**6**	**1-4**
KRSC	I	22 20 47 30.6	52.35N	160.86E	16	3.5b		¶97i3382
ISC	**I**	**25 16 24 43**±1.0	**55.0N**±.11	**163.5E**±.16	**41**±23	3.0b	**9**	**1-40**
KRSC	I	25 16 24 43.0	54.96N	163.48E	50	3.7b		¶97i3832
ISC	**I**	**25 20 02 53.4**±.85	**52.16N**±.061	**159.5E**±.11	**54**±6.0	**4.2b**,4.7s	**71**	**1-87**
EIDC	I	25 20 02 48.0	52.3N	159.5E	0	4.1b,4.0L		¶97i3845
BJI	I	25 20 02 49.8	52.28N	159.64E	35	4.5b,4.8s		
MOS	I	25 20 02 50.7	52.2N	159.7E	33	4.7b		
NEIC	I	25 20 02 51.1	52.22N	159.51E	33	4.4b		
KRSC	I	25 20 02 52.0	52.10N	159.72E	32	4.4b		
ISC	**I**	**26 02 56 25**±3.0	**52.3N**±.15	**159.8E**±.30	**12**		**7**	**1-3**
KRSC	I	26 02 56 24.8	52.29N	159.75E	12	3.5b		¶97i3880
ISC	**I**	**27 21 47 41**±4.4	**51.6N**±.22	**161.2E**±.49	**40**		**8**	**2-5**
KRSC	I	27 21 47 42.1	51.65N	161.13E	40	3.9b		¶97i4131
ISC	**II**	**06 09 28 37**±12	**51.8N**±.75	**161.4E**±.88	**41**		**6**	**2-3**
KRSC	II	06 09 28 38.3	51.94N	161.33E	41	3.3b		¶97ii0816
ISC	**II**	**06 18 27 29**±1.7	**52.4N**±.12	**160.9E**±.16	**38**±12	**3.6b**	**28**	**1-79**
EIDC	II	06 18 27 23.4	52.2N	160.8E	0	3.8b,3.6L		¶97ii0888
KRSC	II	06 18 27 25.2	52.24N	161.11E	40	3.7b		
NEIC	II	06 18 27 28.2	52.48N	160.89E	33	2.9b		
NEIC		Less reliable solution.						
KRSC	**II**	**08 07 34 28.1**	**52.70N**	**162.89E**	**40**	**3.3b**		**2-4**
								¶97ii1111
ISC	**II**	**08 07 40 58.7**±.72	**55.26N**±.061	**163.2E**±.11	**50**±7.1	**3.9b**	**34**	**1-85**
KRSC	II	08 07 40 58.9	55.28N	163.28E	40	4.3b		¶97ii1112
MOS	II	08 07 40 59.7	55.5N	162.7E	52	5.0b		
NEIC	II	08 07 41 00.1	55.49N	162.74E	54	4.0b		
EIDC	II	08 07 41 02.2	55.5N	162.8E	55	3.7b		
NEIC		Less reliable solution.						
ISC	**II**	**08 10 00 16**±2.8	**51.6N**±.17	**159.6E**±.35	**21**		**7**	**1-3**
KRSC	II	08 10 00 12.8	51.53N	159.99E	21	3.5b		¶97ii1125
KRSC	**II**	**09 19 05 24.3**	**55.18N**	**163.03E**	**40**	**3.6b**		**2-3**
								¶97ii1351
ISC	**II**	**12 01 03 47**±3.7	**53.7N**±.22	**161.0E**±.71	**15**±21		**7**	**1-2**
KRSC	II	12 01 03 46.8	53.73N	160.99E	8	3.2b		¶97ii1697
ISC	**II**	**15 06 07 26**±6.3	**51.2N**±.36	**159.6E**±.71	**35**		**7**	**1-5**
KRSC	II	15 06 07 26.5	51.26N	159.45E	35	3.4b		¶97ii2182
KRSC	**II**	**18 22 40 36.1**	**54.80N**	**163.60E**	**44**	**3.5b**		**1-3**
								¶97ii2698
ISC	**II**	**18 23 44 06**±1.1	**54.8N**±.11	**163.1E**±.16	**19**		**9**	**1-4**
KRSC	II	18 23 44 05	54.8N	163.1E	19	3.7b		¶97ii2707
KRSC	**II**	**20 02 12 48.6**	**53.72N**	**163.65E**	**41**	**3.4b**		**2-4**
								¶97ii2862
ISC	**II**	**22 02 43 38**±6.3	**53.9N**±.11	**161.4E**±.38	**9**±52		**10**	**1-3**
KRSC	II	22 02 43 39.0	53.94N	161.30E	19	3.4b		¶97ii3158
KRSC	**II**	**25 00 20 13.9**	**55.95N**	**163.62E**	**5**	**3.3b**		**1-4**
								¶97ii3557
ISC	**II**	**25 02 11 00.1**±.93	**55.27N**±.079	**163.2E**±.14	**40**		**10**	**1-4**
KRSC	II	25 02 11 01	55.3N	163.1E	40	3.6b		¶97ii3565
ISC	**II**	**26 07 58 56**±6.9	**52.3N**±.44	**159.4E**±.30	**5**		**5**	**1-1**
KRSC	II	26 07 58 54.4	52.24N	159.36E	5	3.2b		¶97ii3763
ISC	**II**	**27 07 06 47**±5.2	**54.97N**±.075	**163.2E**±.14	**11**±37	**3.4b**	**14**	**1-41**
EIDC	II	27 07 06 46.6	54.5N	163.8E	0	3.5b		¶97ii3915
KRSC	II	27 07 06 48.3	55.01N	163.21E	44	3.9b		
ISC	**II**	**27 07 21 40.3**±.87	**55.03N**±.072	**163.1E**±.14	**27**	4.2b	**13**	**1-41**
KRSC	II	27 07 21 40.4	55.06N	163.04E	27	4.1b		¶97ii3919
ISC	**II**	**27 18 17 57.6**±.92	**55.00N**±.075	**163.2E**±.14	**41**	3.2b	**12**	**1-41**
KRSC	II	27 18 17 57.8	55.03N	163.12E	41	3.7b		¶97ii3995
ISC	**II**	**27 20 46 58**±3.1	**55.0N**±.12	**163.0E**±.44	**10**		**7**	**1-3**
KRSC	II	27 20 46 58.9	55.06N	162.83E	10	3.3b		¶97ii4005
ISC	**II**	**28 00 50 08**±3.5	**55.0N**±.11	**163.3E**±.53	**42**		**8**	**1-3**
KRSC	II	28 00 50 07	55.0N	163.4E	42	3.7b		¶97ii4084
ISC	**II**	**28 00 53 26**±1.0	**54.93N**±.088	**163.1E**±.15	**40**		**10**	**1-3**
KRSC	II	28 00 53 26.8	55.01N	163.04E	40	3.4b		¶97ii4085
ISC	**II**	**28 00 56 47**±2.9	**55.0N**±.11	**163.3E**±.43	**11**	2.9b	**10**	**1-40**
KRSC	II	28 00 56 47.5	55.04N	163.12E	11	3.3b		¶97ii4086
ISC	**II**	**28 07 22 03**±2.2	**55.00N**±.064	**163.1E**±.10	**21**±18	**3.9b**	**34**	**1-82**
KRSC	II	28 07 22 01.8	55.04N	163.11E	12	4.3b		¶97ii4165
NEIC	II	28 07 22 04.6	55.01N	163.04E	38	4.5b		
MOS	II	28 07 22 06.1	55.0N	163.2E	50	4.8b		
EIDC	II	28 07 22 06.2	54.9N	163.3E	39	3.8b		
NEIC		Less reliable solution.						
ISC	**II**	**28 07 48 55.9**±.97	**55.0N**±.10	**163.1E**±.15	**42**	**3.7b**	**12**	**1-52**
EIDC	II	28 07 48 50.0	54.0N	164.4E	0	3.9b		¶97ii4171
KRSC	II	28 07 48 57.4	55.06N	163.03E	42	3.6b		
ISC	**II**	**28 09 00 07**±5.2	**54.8N**±.15	**163.8E**±.72	**40**		**9**	**2-4**
KRSC	II	28 09 00 12.1	54.99N	163.14E	40	3.3b		¶97ii4192
ISC	**III**	**08 22 13 59.3**±.91	**51.03N**±.093	**160.8E**±.12	**19**	**3.7b**	**18**	**2-78**
KRSC	III	08 22 13 58.7	50.91N	160.63E	19	4.1b		¶97iii1845
EIDC	III	08 22 13 59.4	51.0N	161.4E	0	3.8b		
NEIC	III	08 22 14 02.7	51.01N	161.48E	33			
NEIC		Single network solution.						
ISC	**III**	**11 07 39 19.0**±.59	**51.84N**±.035	**159.24E**±.042	**45**±4.8	**5.1b,5.0s**	**376**	**1-145**
BJI	III	11 07 39 16.0	52.12N	159.02E	26	5.1b,5.1s		¶97iii2336
MOS	III	11 07 39 17.8	51.9N	159.3E	33	5.4b,5.1s		
NEIC	III	11 07 39 17.8	51.92N	159.32E	33	5.3b,5.0s		
KRSC	III	11 07 39 18.9	51.81N	159.27E	35	5.2b		
EIDC	III	11 07 39 21.2	52.0N	159.1E	48	4.4b,4.9s		
MOS		Felt I=II−III MSK at Petropavlovsk−Kamchatsky.						
ISC	**III**	**16 06 04 04.8**±.83	**52.67N**±.057	**160.78E**±.090	**42**±6.5	**4.3b**	**80**	**1-130**
BJI	III	16 06 04 02.5	52.73N	160.50E	27	4.6b		¶97iii3175
NEIC	III	16 06 04 03.7	52.70N	160.87E	33	4.6b		
KRSC	III	16 06 04 03.8	52.70N	160.79E	17	4.5b		
MOS	III	16 06 04 04.2	52.6N	160.8E	41	4.9b		
EIDC	III	16 06 04 08.1	52.8N	160.7E	57	3.9b		
ISC	**III**	**19 07 36 45**±2.3	**55.83N**±.041	**163.74E**±.043	**12**±14	**4.8b,4.6s**	**194**	**1-147**
EIDC	III	19 07 36 44.5	55.9N	163.7E	0	4.6b,4.4s		¶97iii3659
BJI	III	19 07 36 45.6	55.67N	163.68E	32	4.8b,5.1s		
KRSC	III	19 07 36 46.5	55.81N	163.90E	20	4.8b		
MOS	III	19 07 36 47.8	55.8N	163.7E	33	5.1b,4.8s		
NEIC	III	19 07 36 47.8	55.88N	163.75E	33	4.9b,4.5s		
ISC	**III**	**19 07 47 13.4**±.90	**55.78N**±.075	**164.0E**±.11	**35**±11	**3.8b**,3.5s	**22**	**1-83**
EIDC	III	19 07 47 10.5	55.8N	163.8E	0	3.9b,3.5s		¶97iii3661
KRSC	III	19 07 47 12.0	55.82N	163.98E	16	4.4b		
NEIC	III	19 07 47 13.3	55.87N	163.78E	33	3.4b		
NEIC		Less reliable solution.						
ISC	**III**	**26 15 56 19**±1.8	**52.5N**±.10	**160.5E**±.23	**35**±13	**3.7b**	**25**	**1-79**
KRSC	III	26 15 56 11.4	52.34N	160.84E	0	4.1b		¶97iii5023
NEIC	III	26 15 57 08.7	53.02N	158.56E	489	3.8b		
EIDC	III	26 15 57 10.0	53.0N	158.6E	489	2.8b		
NEIC		Less reliable solution.						
ISC	**III**	**31 19 36 06**±1.3	**53.26N**±.035	**161.47E**±.050	**29**±9.0	**5.3b,5.0s**	**412**	**1-145**
EIDC	III	31 19 36 02.9	53.4N	161.3E	0	4.9b,4.5s		¶97iii5921
KRSC	III	31 19 36 03.8	53.08N	161.96E	41	5.4b		
BJI	III	31 19 36 04.5	53.39N	161.35E	30	5.2b,5.4s		
NEIC	III	31 19 36 06.2	53.28N	161.55E	33	5.4b,4.9s		
MOS	III	31 19 36 07.1	53.3N	161.4E	43	5.9b,5.4s		
HRVD	III	31 19 36 09.8±.5	53.16N±.06	161.88E±.06	39±2.6			
NEIC		Mw5.3(HRV).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c39; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}7.56±.48; $M_{\theta\theta}$−1.02±.50; $M_{\phi\phi}$−6.55±.42; $M_{r\theta}$2.68±.69; $M_{r\phi}$1.89±.79; $M_{\theta\phi}$−5.55±.60. Principal Axes: T 8.3,Plg75°,Azm354°; N 2.2,						

Plg12°,Azm215°; P −10.5,Plg10°,Azm123°. Best double couple: $M_0$9.4×10^{16}Nm, NP1: ϕ_S199°,δ37°,λ70°. NP2:ϕ_S43°,δ56°,λ104°.

ISC	**IV**	**02 11 17 25**±2.6	**53.2N**±.13	**161.5E**±.38	**43**		**12**	**1-23**
KRSC	IV	02 11 17 22.5	53.15N	161.79E	43	3.9b		¶97iv0237
ISC	**IV**	**02 16 02 20.7**±.62	**52.96N**±.065	**159.9E**±.12	**65**±4.6	**4.0b**	**51**	**0-87**
NEIC	IV	02 16 02 19.1	53.08N	159.81E	48	4.5b		¶97iv0268
MOS	IV	02 16 02 20.0	53.0N	159.8E	58	4.7b		
EIDC	IV	02 16 02 20.6	53.1N	159.6E	49	3.8b		
KRSC	IV	02 16 02 21.0	52.92N	159.89E	45	4.3b		
ISC	**IV**	**12 20 27 03**±1.2	**52.8N**±.12	**160.1E**±.21	**59**±8.1	**4.0b**	**18**	**0-64**
EIDC	IV	12 20 26 57.7	52.9N	160.0E	0	4.0b		¶97iv2123
KRSC	IV	12 20 27 02.3	52.77N	160.19E	22	3.8b		
ISC	**IV**	**13 18 57 09**±1.2	**52.84N**±.092	**160.5E**±.17	**50**±8.9	**3.8b**	**29**	**0-80**
EIDC	IV	13 18 57 03.9	52.8N	160.8E	0	3.8b		¶97iv2284
NEIC	IV	13 18 57 07.4	52.93N	160.68E	33			
KRSC	IV	13 18 57 09.4	52.80N	160.38E	16	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**16 00 03 03.5**±.83	**52.14N**±.064	**159.7E**±.10	**50**±6.1	**4.3b**,2.8s	**68**	**1-137**
MOS	IV	16 00 03 01.5	52.2N	159.9E	33	4.6b		¶97iv2665
NEIC	IV	16 00 03 01.6	52.22N	159.70E	33	4.5b		
EIDC	IV	16 00 03 02.9	52.4N	159.5E	26	4.0b,2.8s		
KRSC	IV	16 00 03 03.8	52.14N	159.55E	18	4.5b		
ISC	**IV**	**20 18 38 03**±1.9	**55.1N**±.16	**163.3E**±.23	**40**	3.3b	**6**	**1-40**
KRSC	IV	20 18 38 02.0	55.08N	163.33E	40	3.7b		¶97iv3348
ISC	**IV**	**24 02 07 56.6**±.94	**54.85N**±.087	**163.1E**±.17	**41**±3.4*	**3.3b**	**13**	**1-59**
EIDC	IV	24 02 07 36.1	51.4N	162.4E	40	3.3b,3.6s		¶97iv4062
KRSC	IV	24 02 07 56.3	54.88N	163.02E	29	4.0b		
ISC	**IV**	**24 21 22 27.6**±.83	**55.11N**±.076	**163.3E**±.13	**37**±9.9	**3.7b**	**20**	**1-82**
EIDC	IV	24 21 22 24.5	55.4N	162.7E	0	3.8b		¶97iv4211
KRSC	IV	24 21 22 26.2	55.15N	163.25E	18	4.3b		
NEIC	IV	24 21 22 27.6	55.42N	162.78E	33			
NEIC	Single network solution.							
ISC	**IV**	**29 01 50 16**±1.2	**53.87N**±.094	**161.5E**±.24	**63**±12	**3.6b**	**14**	**1-70**
EIDC	IV	29 01 50 11.2	54.2N	161.6E	0	3.7b		¶97iv5003
NEIC	IV	29 01 50 14.3	54.24N	161.46E	33			
KRSC	IV	29 01 50 16.8	53.87N	161.42E	40	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**30 15 28 09**±1.1	**51.70N**±.083	**159.4E**±.14	**61**±8.1	**3.8b**	**34**	**1-78**
BJI	IV	30 15 28 02.5	51.66N	160.34E	43	4.5b,4.6s		¶97iv5229
EIDC	IV	30 15 28 03.2	51.7N	159.4E	0	3.8b,3.7s		
KRSC	IV	30 15 28 04.9	51.48N	159.84E	24	4.3b		
NEIC	IV	30 15 28 06.1	51.72N	159.47E	33	4.3b		
MOS	IV	30 15 28 06.8	51.7N	159.8E	33	4.5b		
ISC	**V**	**08 06 07 08**±1.6	**51.42N**±.040	**159.54E**±.048	**24**±11	**4.9b,5.0s**	**256**	**1-146**
KRSC	V	08 06 07 05.3	51.26N	159.92E	21	4.9b		¶97v1190
MOS	V	08 06 07 07.6	51.5N	159.5E	24	5.4b,5.4s		
BJI	V	08 06 07 09.0	51.50N	159.60E	33	5.3b,5.4s		
NEIC	V	08 06 07 09.0	51.47N	159.60E	33	5.1b,4.9s		
EIDC	V	08 06 07 11.5	51.5N	159.5E	45	4.4b,4.1s		
HRVD	V	08 06 07 12.8±.7	51.52N±.08	159.65E±.12	15			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c36; Half duration: 1^{s}2. Moment tensor: Scale 10^{16}Nm; M_{rr}5.58±.37; $M_{\theta\theta}$−1.63±.45; $M_{\phi\phi}$−3.95±.54; $M_{r\theta}$9.40±1.31; $M_{r\phi}$9.15±1.42; $M_{\theta\phi}$−4.08±.43. Principal Axes: T 13.9,Plg57°,Azm321°; N 1.3, Plg5°,Azm224°; P −15.2,Plg32°,Azm131°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S205°,δ13°,λ70°. NP2:ϕ_S45°,δ77°,λ95°.

ISC	**V**	**09 08 58 54.8**±.76	**51.16N**±.085	**160.5E**±.13	**40**	**3.4b**	**13**	**2-78**
EIDC	V	09 08 58 49.7	51.6N	159.5E	0	3.5b		¶97v1392
KRSC	V	09 08 58 53.5	51.11N	160.64E	40	3.8b		
ISC	**V**	**09 19 18 44**±1.2	**51.57N**±.085	**159.3E**±.16	**59**±8.5	**3.8b**	**31**	**1-78**
EIDC	V	09 19 18 38.7	51.5N	159.2E	0	3.8b		¶97v1471
KRSC	V	09 19 18 40.1	51.36N	159.88E	38	4.2b		
MOS	V	09 19 18 40.3	51.5N	159.7E	33	4.6b		
NEIC	V	09 19 18 41.2	51.63N	159.29E	33			
NEIC	Less reliable solution.							
KRSC	**V**	**18 03 19 37.7**	**55.43N**	**163.07E**	**48**	**3.8b**		**¶97v3024**
ISC	**V**	**20 04 06 57.5**±.90	**52.9N**±.11	**160.0E**±.19	**56**±9.5	**3.7b**	**17**	**0-71**
EIDC	V	20 04 06 51.4	53.0N	159.6E	0	3.8b		¶97v3354
KRSC	V	20 04 06 58.0	52.87N	159.98E	35	4.1b		
ISC	**V**	**22 13 47 45**±1.5	**53.67N**±.090	**161.8E**±.23	**46**±11	**3.7b**	**22**	**1-81**
KRSC	V	22 13 47 41.0	53.57N	162.00E	9	4.1b		¶97v3777
EIDC	V	22 13 47 41.1	53.8N	161.6E	0	3.7b		
NEIC	V	22 13 47 44.4	53.97N	161.59E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**V**	**25 23 33 08**±3.2	**51.3N**±.21	**159.6E**±.35	**23**		**9**	**1-5**
KRSC	V	25 23 33 07.7	51.31N	159.62E	23	4.3b		¶97v4335
ISC	**VI**	**03 21 18 09.3**±.77	**52.13N**±.061	**159.15E**±.095	**56**±5.4	**4.4b,3.5s**	**97**	**0-145**
MOS	VI	03 21 18 02.5	52.1N	159.0E	9	4.6b		¶97vi0516
KRSC	VI	03 21 18 08.2	52.09N	159.33E	25	4.4b		
NEIC	VI	03 21 18 09.9	52.32N	158.98E	65	4.4b		
EIDC	VI	03 21 18 12.1	52.3N	159.0E	68	4.0b,3.2s		
ISC	**VI**	**09 07 27 59.9**±.90	**55.45N**±.071	**163.1E**±.14	**35**		**12**	**1-5**
KRSC	VI	09 07 28 00.0	55.50N	163.00E	35	4.2b		¶97vi1349
ISC	**VI**	**10 22 34 10.3**±.73	**52.42N**±.066	**160.8E**±.12	**5**	**3.7b**	**19**	**1-87**
EIDC	VI	10 22 34 11.3	52.6N	160.4E	0	3.6b		¶97vi1574
KRSC	VI	10 22 34 12.8	52.54N	160.44E	5	3.9b		
ISC	**VI**	**19 22 45 33**±1.5	**51.40N**±.045	**159.46E**±.059	**30**±10	**4.8b,5.1s**	**234**	**1-146**
MOS	VI	19 22 45 32.0	51.4N	159.5E	27	5.3b,5.2s		¶97vi2968
BJI	VI	19 22 45 32.2	51.55N	159.29E	28	5.2b,5.3s		
NEIC	VI	19 22 45 32.6	51.42N	159.41E	30	5.0b,4.9s		
KRSC	VI	19 22 45 32.9	51.37N	159.74E	27	5.2b		
EIDC	VI	19 22 45 35.0	51.5N	159.3E	31	4.3b,4.5s		
HRVD	VI	19 22 45 38.1±1.0	51.30N±.08	159.97E±.12	15			
MOS	Felt I=II MSK at Petropavlovsk−Kamchatskiy.							
NEIC	Mw5.1(HRV)							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c36; Half duration: 1^{s}2. Moment tensor: Scale 10^{16}Nm; M_{rr}4.87±.35; $M_{\theta\theta}$−2.43±.45; $M_{\phi\phi}$−2.43±.40; $M_{r\theta}$1.89±1.21; $M_{r\phi}$−0.08±1.10; $M_{\theta\phi}$−3.08±.52. Principal Axes: T 5.42,Plg72°,Azm24°; N 0.25,Plg16°,Azm229°; P −5.67,Plg7°,Azm137°. Best double couple: $M_0$5.6×10^{16}Nm, NP1: ϕ_S209°,δ40°,λ64°. NP2:ϕ_S61°,δ54°,λ110°.

ISC	**VI**	**20 03 33 21**±1.4	**51.5N**±.11	**159.4E**±.18	**55**±10	**3.8b**	**22**	**1-78**
KRSC	VI	20 03 33 15.5	51.36N	159.74E	6	4.3b		¶97vi3006
MOS	VI	20 03 33 16.1	51.3N	160.0E	33	4.0b		
NEIC	VI	20 03 33 19.9	51.58N	159.40E	41	4.1b		
EIDC	VI	20 03 33 22.1	51.6N	159.3E	40	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**20 04 03 11**±1.5	**51.5N**±.11	**159.5E**±.18	**46**±11	**3.8b**	**23**	**1-78**
MOS	VI	20 04 03 07.2	51.3N	160.1E	33	4.0b		¶97vi3010
KRSC	VI	20 04 03 07.2	51.34N	159.79E	19	4.1b		
BJI	VI	20 04 03 08.3	51.48N	159.64E	38			
NEIC	VI	20 04 03 09.4	51.51N	159.45E	32	4.1b		
EIDC	VI	20 04 03 11.7	51.6N	159.3E	36	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**20 19 46 10.3**±.96	**51.48N**±.065	**159.31E**±.095	**51**±6.9	**4.3b,4.3s**	**79**	**1-78**
MOS	VI	20 19 46 05.9	51.5N	159.5E	19	4.8b,4.3s		¶97vi3106
KRSC	VI	20 19 46 06.8	51.30N	159.77E	40	4.5b		
BJI	VI	20 19 46 07.6	51.67N	159.29E	33	4.8b,4.6s		
NEIC	VI	20 19 46 08.1	51.47N	159.36E	34	4.7b		
EIDC	VI	20 19 46 10.2	51.5N	159.4E	36	3.9b,3.3s		
ISC	**VI**	**21 01 16 22**±4.0	**51.1N**±.25	**160.1E**±.40	**40**		**8**	**2-4**
KRSC	VI	21 01 16 24.8	51.32N	159.89E	40	3.7b		¶97vi3133
ISC	**VI**	**23 11 26 20**±2.2	**53.0N**±.17	**160.7E**±.31	**33**±23	**3.4b**	**18**	**0-80**
EIDC	VI	23 11 26 17.3	52.7N	161.3E	0	3.6b		¶97vi3518
KRSC	VI	23 11 26 21.8	53.11N	160.41E	33	4.1b		
ISC	**VI**	**23 17 43 21**±1.6	**52.2N**±.17	**159.6E**±.25	**66**±14	**3.6b**	**15**	**1-79**
EIDC	VI	23 17 43 14.7	52.4N	159.5E	0	3.7b		¶97vi3570
KRSC	VI	23 17 43 19.0	52.13N	159.59E	4	3.9b		
ISC	**VI**	**24 07 15 48**±1.4	**52.0N**±.10	**159.8E**±.18	**55**±12	**3.9b**	**22**	**1-88**
EIDC	VI	24 07 15 43.5	52.3N	159.6E	0	3.9b,3.6L		¶97vi3666
NEIC	VI	24 07 15 46.2	52.26N	159.70E	33			
KRSC	VI	24 07 15 47.4	52.02N	159.73E	24	4.2b		
NEIC	Less reliable solution.							

(220) North-west of Kuril Islands.

ISC	**I**	**03 23 41 04.0**±.34	**52.00N**±.056	**153.55E**±.069	**407**±4.2	**4.2b**	**105**	**2-148**
SKHL	I	03 23 41 03.0	51.8N±.16	153.8E±.27	395			¶97i0448
MOS	I	03 23 41 03.6	52.0N	153.6E	399	4.5b		
BJI	I	03 23 41 04.0	52.06N	153.30E	403	4.7b		
NEIC	I	03 23 41 04.6	52.07N	153.38E	411	4.4b		
EIDC	I	03 23 41 06.0	52.1N	153.4E	414	3.8b		
ISC	**I**	**09 09 41 37.8**±.61	**46.63N**±.091	**146.7E**±.11	**365**±6.9	**3.6b**	**62**	**3-81**
EIDC	I	09 09 41 35.9	47.2N	146.5E	324	3.2b		¶97i1198
NEIC	I	09 09 41 36.7	47.17N	146.21E	355	4.5b		
JMA	I	09 09 41 38.5±.3	46.39N±.03	146.85E±.06	369			
NEIC	Poor solution.							
ISC	**I**	**12 14 32 05.3**±.84	**47.4N**±.16	**147.2E**±.22	**400**	**3.2b**	**10**	**17-81**
EIDC	I	12 14 32 04.2	47.4N	147.2E	373	2.9b		¶97i1695
NEIC	I	12 14 32 05.3	47.42N	147.21E	400			
NEIC	Poor solution.							
ISC	**I**	**21 18 13 27**±5.5	**50.3N**±.17	**152.6E**±.34	**181**±54	**3.5b**	**8**	**17-76**
EIDC	I	21 18 13 29.0	50.3N	152.7E	181	3.3b,3.7L		¶97i3214
ISC	**II**	**07 14 56 56.1**±.55	**52.67N**±.090	**154.0E**±.13	**400**	**3.4b**	**27**	**2-148**
MOS	II	07 14 56 57.3	52.4N	154.0E	429	4.1b		¶97ii1003
SKHL	II	07 14 56 58.0	52.3N±.15	154.0E±.15	400±20			
NEIC	II	07 14 56 59.6	52.62N	153.63E	450	3.5b		
EIDC	II	07 14 57 00.0	52.6N	153.5E	440	3.1b		
NEIC	Less reliable solution.							
ISC	**II**	**09 03 49 34.6**±.32	**47.52N**±.039	**148.05E**±.063	**358**±4.0	**4.1b**	**162**	**2-152**
BJI	II	09 03 49 34.3	47.78N	147.94E	354	4.4b		¶97ii1249
NEIC	II	09 03 49 35.1	47.74N	147.91E	355	4.3b		
EIDC	II	09 03 49 35.8	47.7N	148.0E	350	3.8b		
JMA	II	09 03 49 36.0±.5	46.98N±.04	148.65E±.08	357			
SKHL	II	09 03 49 36.0	47.5N±.16	148.1E±.25	350±20			
MOS	II	09 03 49 36.5	47.8N	148.0E	365	4.2b		
ISC	**II**	**16 18 01 01**±1.0	**49.2N**±.18	**151.3E**±.29	**33**	**3.5b**	**6**	**16-74**
EIDC	II	16 18 00 59.0	49.3N	151.1E	0	3.5b,3.4L		¶97ii2402
ISC	**II**	**19 18 43 23**±6.2	**46.1N**±.23	**148.7E**±.25	**281**±65	**3.5b**	**15**	**18-151**
NEIC	II	19 18 43 24.0	45.97N	148.74E	300			¶97ii2818
EIDC	II	19 18 43 27.6	45.9N	148.8E	321	3.2b		
NEIC	Poor solution.							
ISC	**III**	**03 06 18 02**±1.4	**46.2N**±.33	**148.1E**±.44	**321**±23	2.7b	**15**	**3-53**
								¶97iii0495
ISC	**III**	**07 04 09 43**±1.0	**46.5N**±.21	**148.7E**±.35	**33**	**3.7b**	**7**	**63-80**
EIDC	III	07 04 09 39.7	46.5N	148.7E	0	3.8b		¶97iii1437
NEIC	III	07 04 09 43.0	46.51N	148.70E	33			
NEIC	Poor solution.							
ISC	**III**	**27 14 41 54**±1.6	**50.6N**±.24	**151.0E**±.29	**33**	**3.7b**	**7**	**21-74**
EIDC	III	27 14 41 50.9	50.6N	150.9E	0	3.7b		¶97iii5246
EIDC	**IV**	**04 20 24 28.3**	**46.0N**	**146.3E**	**0**	**3.7b**		**40-69**
								¶97iv0652
ISC	**IV**	**15 04 35 55.9**±.88	**48.0N**±.15	**146.2E**±.46	**33**	**3.8b**	**7**	**55-81**
EIDC	IV	15 04 35 52.5	48.0N	146.4E	0	3.8b		¶97iv2556
ISC	**IV**	**21 23 06 51.8**±.72	**52.6N**±.15	**153.0E**±.23	**500**	**3.3b**	**11**	**32-78**
NEIC	IV	21 23 06 51.6	52.59N	153.06E	500	3.1b		¶97iv3596
EIDC	IV	21 23 06 51.8	52.5N	153.1E	490	3.0b		
NEIC	Less reliable solution.							
ISC	**V**	**10 03 23 41.2**±.69	**48.4N**±.12	**148.6E**±.14	**375**±10	**3.6b**	**29**	**3-79**
SKHL	V	10 03 23 41.0	48.2N±.06	148.8E±.10	379±7			¶97v1518
MOS	V	10 03 23 41.2	48.5N	149.1E	349	4.0b		
NEIC	V	10 03 23 43.1	48.42N	148.51E	400	4.1b		
EIDC	V	10 03 23 43.5	48.4N	148.6E	388	3.3b		
ISC	**V**	**15 11 20 01**±3.5	**52.9N**±.18	**152.4E**±.42	**533**±51	**3.6b**	**11**	**19-78**
NEIC	V	15 11 19 58.9	52.86N	152.50E	500	4.2b		¶97v2603
EIDC	V	15 11 20 02.6	52.8N	152.4E	538	3.1b		
NEIC	Less reliable solution.							
ISC	**V**	**25 00 12 53.2**±.96	**52.1N**±.21	**152.3E**±.46	**400**	**3.2b**	**6**	**33-77**
NEIC	V	25 00 12 53.1	52.16N	152.33E	400	3.2b		¶97v4187
EIDC	V	25 00 12 58.5	52.1N	152.5E	443	2.9b		
NEIC	Poor solution.							
ISC	**V**	**29 00 44 39**±1.8	**48.4N**±.19	**149.4E**±.55	**100**	**3.8b**	**6**	**19-73**
EIDC	V	29 00 44 27.7	48.4N	150.1E	0	3.9b		¶97v4793
ISC	**V**	**30 01 32 18.6**±.80	**46.5N**±.11	**147.3E**±.19	**330**±13	**3.3b**	**37**	**3-152**
NEIC	V	30 01 32 07.4	46.91N	147.10E	200	3.2b		¶97v4956
EIDC	V	30 01 32 10.7	46.8N	147.0E	221	3.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**21 15 40 59.1**±.30	**47.42N**±.046	**147.61E**±.061	**381**±4.7	**3.8b**	**121**	**2-152**
EIDC	VI	21 15 40 57.8	47.6N	147.7E	346	3.6b		¶97vi3239
BJI	VI	21 15 40 58.1	47.56N	147.60E	375	4.4b		
NEIC	VI	21 15 40 58.5	47.55N	147.55E	373	4.2b		
MOS	VI	21 15 40 59.9	47.5N	147.6E	387	4.2b		
SKHL	VI	21 15 41 00.0	47.5N±.07	147.6E±.16	382±12			
JMA	VI	21 15 41 02.6±.4	46.79N±.03	147.85E±.05	390±5			

(221) Kuril Islands.

JMA	**I**	**01 17 25 18.9**±.3	**43.56N**±.02	**147.42E**±.02	**32**	**2.8**		**¶97i0092**
JMA	**I**	**01 20 24 29.2**±.3	**43.67N**±.02	**147.23E**±.02	**53**	**2.9**		**¶97i0113**
ISC	**I**	**01 20 34 12**±1.6	**47.5N**±.14	**153.4E**±.18	**89**±16	**4.1b**	**15**	**4-77**
SKHL	I	01 20 34 12.0	47.6N±.22	153.3E±.15	90			¶97i0114
NEIC	I	01 20 34 13.8	47.98N	152.71E	100	4.5b		
EIDC	I	01 20 34 14.8	47.8N	152.9E	100	3.8b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
SKHL	K9.5								
NEIC		Poor solution.							
ISC	**I**	**01 22 12 14**±8.0	**43.7N**±.41	**146.3E**±.92	**69**		**6**	**0-2**	
JMA	I	01 22 12 14.3±.3	43.65N±.02	146.18E±.03	69±2				¶97i0128
ISC		Poorly determined							
ISC	**I**	**02 02 35 39**±1.2	**49.1N**±.25	**153.0E**±.25	**200**	**3.3b**	**7**	**22-76**	
NEIC	I	02 02 35 39.1	49.13N	153.05E	200				¶97i0151
EIDC	I	02 02 35 39.2	49.1N	153.0E	185	3.3b			
NEIC		Poor solution.							
ISC	**I**	**02 14 19 28**±1.4	**44.9N**±.17	**149.5E**±.16	**70**±14	**3.6b**	**39**	**3-81**	
JMA	I	02 14 19 24.7±.6	44.63N±.09	149.96E±.07	0	3.9			¶97i0222
NEIC	I	02 14 19 25.0	45.25N	149.45E	33	3.6b			
EIDC	I	02 14 19 29.6	45.2N	149.3E	61	3.4b,3.6L			
NEIC		Less reliable solution.							
ISC	**I**	**02 20 45 39**±4.5	**47.2N**±.13	**154.3E**±.15	**36**±41	**3.8b**	**28**	**16-78**	
NEIC	I	02 20 45 38.8	47.22N	154.33E	33	3.4b			¶97i0270
EIDC	I	02 20 45 40.9	47.3N	154.3E	33	3.6b,3.7L			
NEIC		Less reliable solution.							
JMA	**I**	**03 13 16 00.8**±.5	**43.28N**±.03	**146.57E**±.04	**61**±4	**2.6**			¶97i0378
ISC	**I**	**03 15 53 42**±4.2	**43.8N**±.20	**146.5E**±.48	**121**		**12**	**1-3**	
JMA	I	03 15 53 42.3±.4	43.77N±.03	146.48E±.05	121±3				¶97i0401
ISC	**I**	**03 22 00 54**±1.3	**44.20N**±.084	**146.9E**±.19	**148**±10	**3.8b**	**36**	**1-64**	
NEIC	I	03 22 00 53.4	44.54N	146.60E	118				¶97i0434
EIDC	I	03 22 00 55.5	44.6N	146.6E	121	3.6b			
JMA	I	03 22 00 56.6±.3	44.21N±.03	146.77E±.03	123±3				
NEIC		Poor solution.							
JMA	**I**	**04 08 28 04.5**±.3	**43.52N**±.03	**147.54E**±.03	**43**	**3.4**			¶97i0500
ISC	**I**	**04 10 34 20**±2.0	**43.28N**±.062	**147.4E**±.21	**70**±20	**3.8b**	**46**	**1-83**	
NEIC	I	04 10 34 19.5	43.47N	147.51E	54				¶97i0525
EIDC	I	04 10 34 22.1	43.5N	147.3E	58	3.6b			
JMA	I	04 10 34 22.7±.4	43.32N±.02	147.15E±.03	52	3.8			
NEIC		Less reliable solution.							
ISC	**I**	**04 11 40 46**±2.0	**43.17N**±.069	**147.9E**±.18	**46**±18	**3.9b**	**56**	**2-151**	
NEIC	I	04 11 40 46.3	43.37N	147.82E	46				¶97i0533
JMA	I	04 11 40 47.7±.5	43.30N±.04	147.70E±.05	34	3.8			
EIDC	I	04 11 40 48.4	43.5N	147.8E	46	3.6b,3.3L			
NEIC		Less reliable solution.							
JMA	**I**	**04 17 09 58.2**±.3	**43.24N**±.02	**146.34E**±.03	**45**±2	**3.2**			¶97i0562
ISC	**I**	**04 17 16 40**±1.7	**49.3N**±.13	**156.5E**±.13	**46**±15	**3.7b**	**24**	**1-74**	
EIDC	I	04 17 16 34.9	49.3N	156.5E	0	3.8b,3.8L			¶97i0563
SKHL	I	04 17 16 37.0	49.2N±.18	156.7E±.51	30				
NEIC	I	04 17 16 37.9	49.32N	156.47E	33	4.5b			
MOS	I	04 17 16 38.8	49.3N	156.7E	33	4.6b			
KRSC	I	04 17 16 47.0	49.86N	157.70E	14	4.3b			
SKHL	K10								
KRSC	**I**	**04 17 36 36.5**	**49.92N**	**156.18E**	**28**	**3.4b**		**1-3**	
									¶97i0565
JMA	**I**	**04 21 06 55.3**±.3	**43.42N**±.03	**147.84E**±.03	**19**	**2.9**			¶97i0586
ISC	**I**	**05 06 52 48**±1.6	**49.0N**±.12	**156.0E**±.15	**35**±12	**3.7b**	**30**	**2-77**	
KRSC	I	05 06 52 47.4	48.88N	156.56E	20	4.1b			¶97i0631
NEIC	I	05 06 52 48.7	49.01N	155.97E	42				
EIDC	I	05 06 52 50.5	48.9N	155.9E	43	3.6b,3.9L			
NEIC		Less reliable solution.							
JMA	**I**	**05 08 00 26.2**±.3	**43.84N**±.03	**147.72E**±.04	**88**±5				¶97i0638
JMA	**I**	**05 14 54 16.8**±.2	**43.02N**±.02	**146.59E**±.02	**62**±3				¶97i0683
KRSC	**I**	**05 16 49 37.5**	**49.58N**	**156.84E**	**40**	**3.7b**		**1-4**	
									¶97i0689
ISC	**I**	**05 17 53 03**±9.0	**43.0N**±.20	**146.4E**±.89	**44**±63		**14**	**1-4**	
JMA	I	05 17 53 01.7±.2	43.00N±.02	146.47E±.02	60±3	3.3			¶97i0694
JMA	**I**	**05 20 12 21.2**±.2	**43.51N**±.02	**147.67E**±.02	**41**	**2.8**			¶97i0706
JMA	**I**	**05 22 49 21.6**±.5	**44.05N**±.06	**147.94E**±.06	**62**				¶97i0717
JMA	**I**	**06 00 33 52.7**±.2	**43.60N**±.01	**147.03E**±.02	**42**±3	**3.1**			¶97i0728
JMA	**I**	**06 07 55 43.5**±.4	**43.72N**±.03	**147.55E**±.04	**18**	**3.4**			¶97i0761
JMA	**I**	**06 08 32 15.8**±.3	**43.54N**±.03	**147.60E**±.03	**58**	**2.8**			¶97i0764
JMA	**I**	**06 13 16 02.9**±.2	**43.21N**±.02	**146.43E**±.02	**52**±2	**3.0**			¶97i0789
JMA	**I**	**06 17 17 56.0**±.2	**43.68N**±.02	**147.23E**±.02	**38**	**2.8**			¶97i0815
JMA	**I**	**06 17 54 45.5**±.3	**43.97N**±.02	**147.60E**±.03	**49**	**3.2**			¶97i0818
JMA	**I**	**06 18 59 22.5**±.6	**44.26N**±.05	**147.90E**±.06	**0**	**3.4**			¶97i0825
ISC	**I**	**07 00 37 32**±1.6	**44.9N**±.10	**150.0E**±.15	**72**±16	**3.8b**	**52**	**3-85**	
NEIC	I	07 00 37 27.8	45.06N	150.06E	33	4.3b			¶97i0857
EIDC	I	07 00 37 33.9	45.0N	149.9E	79	3.6b,3.7L			
JMA	I	07 00 37 36.4±.5	44.23N±.04	149.79E±.05	120				
NEIC		Less reliable solution.							
ISC	**I**	**07 01 21 15**±9.6	**43.1N**±.18	**146.6E**±.98	**57**		**13**	**1-4**	
JMA	I	07 01 21 12.2±.5	43.00N±.02	146.79E±.05	57	3.3			¶97i0866
JMA	**I**	**07 05 43 19.2**±.3	**43.28N**±.02	**146.78E**±.03	**66**±4				¶97i0884
JMA	**I**	**07 17 51 04.9**±.3	**43.63N**±.02	**147.16E**±.03	**55**±5	**2.9**			¶97i0955
JMA	**I**	**07 17 51 31.7**±.2	**43.64N**±.01	**147.24E**±.02	**50**±4	**2.9**			¶97i0956
JMA	**I**	**07 18 36 57.0**±.3	**43.88N**±.03	**147.42E**±.03	**60**	**3.3**			¶97i0964
ISC	**I**	**08 13 30 13**±7.0	**43.8N**±.25	**146.8E**±.74	**91**		**11**	**1-3**	
JMA	I	08 13 30 14.5±.4	43.74N±.03	146.65E±.04	91±3				¶97i1069
JMA	**I**	**08 14 45 55.4**±.4	**43.73N**±.03	**146.97E**±.04	**78**±5				¶97i1078
JMA	**I**	**09 00 09 05.9**±.5	**43.40N**±.03	**146.87E**±.05	**53**	**2.9**			¶97i1143
JMA	**I**	**09 05 04 27.0**±.4	**43.62N**±.05	**147.17E**±.03	**52**	**2.8**			¶97i1169
JMA	**I**	**09 07 03 04.3**±.0	**43.57N**±.01	**147.21E**±.00	**54**±1	**3.0**			¶97i1181
JMA	**I**	**09 10 35 53.9**±.4	**43.71N**±.02	**147.09E**±.04	**44**	**3.1**			¶97i1202
JMA	**I**	**09 13 47 54.2**±.2	**43.32N**±.02	**146.68E**±.02	**75**±2				¶97i1227
KRSC	**I**	**09 19 05 24.3**	**49.54N**	**156.59E**	**11**	**3.7b**		**1-4**	
									¶97i1264
JMA	**I**	**09 21 46 36.9**±.5	**43.97N**±.05	**147.91E**±.05	**17**	**3.6**			¶97i1279
JMA	**I**	**10 01 30 50.2**±.5	**43.50N**±.05	**147.57E**±.04	**29**	**3.1**			¶97i1290
JMA	**I**	**10 03 06 06.7**±.4	**43.87N**±.05	**147.98E**±.04	**86**				¶97i1303
ISC	**I**	**10 03 24 23.4**±.85	**44.8N**±.12	**146.6E**±.22	**209**±10	**2.9b**	**32**	**1-70**	
EIDC	I	10 03 24 00.1	45.4N	144.7E	0	3.3b			¶97i1306
JMA	I	10 03 24 24.1±.4	44.66N±.05	146.57E±.06	209				
JMA	**I**	**10 08 52 52.6**±.4	**43.81N**±.03	**147.26E**±.04	**33**	**3.2**			¶97i1336
JMA	**I**	**10 12 25 20.2**±.5	**43.66N**±.04	**147.29E**±.05	**21**	**3.2**			¶97i1361
ISC	**I**	**10 16 26 02**±4.7	**43.4N**±.18	**146.1E**±.53	**61**		**8**	**0-2**	
JMA	I	10 16 26 02.3±.3	43.41N±.02	146.10E±.03	61±2				¶97i1392
ISC	**I**	**11 09 19 52**±1.8	**48.0N**±.13	**154.0E**±.16	**63**±18	**3.8b**	**29**	**7-76**	
NEIC	I	11 09 19 48.7	48.04N	153.84E	33				¶97i1500
EIDC	I	11 09 19 51.0	48.0N	153.8E	37	3.7b,3.4L			
NEIC		Single network solution.							
JMA	**I**	**11 19 28 27.3**±.4	**43.96N**±.04	**147.94E**±.04	**93**				¶97i1566
JMA	**I**	**11 23 09 43.1**±.7	**44.11N**±.07	**148.44E**±.07	**0**	**3.4**			¶97i1590
ISC	**I**	**12 03 25 17**±1.8	**49.7N**±.18	**156.2E**±.21	**67**±17	**3.8b**	**16**	**1-74**	
EIDC	I	12 03 25 13.4	49.7N	157.1E	0	3.9b			¶97i1618
KRSC	I	12 03 25 15.8	49.61N	156.17E	39	4.2b			
SKHL	I	12 03 25 16.0	49.6N±.11	156.3E±.26	60±10				
SKHL	K10								
JMA	**I**	**12 05 57 49.3**±.4	**43.24N**±.03	**147.22E**±.03	**63**				¶97i1631
JMA	**I**	**12 13 27 02.2**±.3	**43.27N**±.02	**146.50E**±.03	**48**	**3.2**			¶97i1686
ISC	**I**	**12 16 40 17**±3.9	**44.0N**±.24	**146.2E**±.42	**104**		**10**	**1-3**	
JMA	I	12 16 40 17.0±.4	43.95N±.03	146.22E±.04	104±3				¶97i1713
JMA	**I**	**12 21 49 27.7**±.2	**43.81N**±.02	**146.93E**±.02	**68**±4				¶97i1745
JMA	**I**	**13 06 28 07.5**±.4	**43.74N**±.03	**147.18E**±.04	**32**	**2.8**			¶97i1788
JMA	**I**	**13 06 57 42.4**±.4	**43.50N**±.04	**147.15E**±.03	**42**	**2.8**			¶97i1792
JMA	**I**	**13 09 17 32.3**±.5	**43.84N**±.03	**147.62E**±.04	**42**	**3.3**			¶97i1813
JMA	**I**	**13 12 21 23.1**±.3	**43.25N**±.01	**146.27E**±.02	**46**±2	**3.0**			¶97i1837
JMA	**I**	**13 12 50 41.7**±.2	**43.17N**±.02	**146.46E**±.02	**48**±3	**2.9**			¶97i1839
JMA	**I**	**13 18 50 57.2**±.3	**43.18N**±.03	**146.98E**±.03	**60**±5				¶97i1886
ISC	**I**	**13 23 57 19.4**±.68	**45.0N**±.12	**151.8E**±.11	**44**±1.1*	**4.4b**,4.2s	**67**	**6-88**	
NEIC	I	13 23 57 17.3	45.11N	151.91E	33	4.8b			¶97i1917
MOS	I	13 23 57 20.4	45.4N	151.7E	43	5.1b			
EIDC	I	13 23 57 20.6	45.1N	151.7E	45	3.9b			
BJI	I	13 23 57 22.6	46.05N	151.20E	33	4.6b,4.1s			
NEIC		Less reliable solution.							
ISC	**I**	**14 08 13 02.8**±.66	**49.30N**±.046	**155.72E**±.058	**55**±5.3	**4.9b,4.3s**	**179**	**1-146**	
BJI	I	14 08 12 59.2	49.26N	155.72E	33	4.7b,4.5s			¶97i1970
MOS	I	14 08 13 00.1	49.2N	155.8E	33	4.9b,3.9s			
NEIC	I	14 08 13 00.2	49.33N	155.66E	33	5.0b,4.4s			
EIDC	I	14 08 13 01.5	49.3N	155.6E	28	4.5b,4.0s			
SKHL	I	14 08 13 04.0	49.2N±.14	155.9E±.22	65				
SKHL	K11.5. Felt I=I−II MSK at Severo−Kurilsk								
JMA	**I**	**14 16 33 31.9**±.3	**43.06N**±.02	**146.67E**±.02	**54**±3	**3.0**			¶97i2023
JMA	**I**	**15 07 47 06.3**±.4	**43.51N**±.02	**146.63E**±.03	**49**±4	**2.9**			¶97i2117
JMA	**I**	**15 08 41 38.9**±.6	**44.02N**±.08	**148.31E**±.06	**33**	**3.4**			¶97i2127
JMA	**I**	**15 19 16 40.5**±.2	**43.55N**±.02	**147.53E**±.02	**63**±4				¶97i2196
JMA	**I**	**15 19 31 11.8**±.3	**43.26N**±.02	**146.51E**±.03	**50**±3	**3.2**			¶97i2200
JMA	**I**	**15 20 49 12.7**±.7	**43.40N**±.05	**147.09E**±.07	**36**	**3.2**			¶97i2208
JMA	**I**	**16 01 53 05.2**±.4	**43.78N**±.03	**147.66E**±.03	**13**	**2.9**			¶97i2240
ISC	**I**	**16 07 49 59.0**±.53	**47.19N**±.048	**150.16E**±.081	**257**±5.1	**4.0b**	**103**	**3-79**	
BJI	I	16 07 49 56.9	47.41N	150.12E	243	4.6b			¶97i2270
EIDC	I	16 07 49 58.0	47.3N	150.2E	224	3.5b			
NEIC	I	16 07 49 58.7	47.40N	149.97E	250	4.0b			
SKHL	I	16 07 49 59.0	47.4N±.10	150.2E±.10	265				
MOS	I	16 07 49 59.8	47.3N	150.1E	264	4.1b			
JMA	I	16 07 50 06.4±.5	46.39N±.04	150.01E±.07	248				
NEIC		Less reliable solution.							
ISC	**I**	**16 09 16 49.9**±.83	**44.25N**±.044	**148.44E**±.092	**59**±6.5	**4.1b**	**90**	**1-82**	
BJI	I	16 09 16 46.7	44.21N	148.98E	60	4.6b,4.7s			¶97i2283
MOS	I	16 09 16 49.5	44.3N	148.3E	50	4.9b			
NEIC	I	16 09 16 49.7	44.43N	148.23E	50	4.9b			
JMA	I	16 09 16 51.6±.5	44.08N±.04	148.11E±.06	14	4.2			
SKHL	I	16 09 16 52.0	44.3N±.09	148.2E±.10	50±5				
EIDC	I	16 09 16 53.0	44.5N	148.2E	57	3.8b			
NEIC		Less reliable solution.							
ISC	**I**	**16 10 54 26**±4.1	**50.8N**±.46	**158.0E**±.66	**138**		**7**	**1-3**	
KRSC	I	16 10 54 29.1	51.31N	157.45E	138	3.3b			¶97i2300
ISC	**I**	**17 06 21 42**±5.3	**50.4N**±.43	**157.5E**±.31	**40**		**6**	**1-3**	
KRSC	I	17 06 21 42.4	50.43N	157.42E	40	3.6b			¶97i2410
JMA	**I**	**17 15 09 05.5**±.4	**43.38N**±.02	**146.92E**±.04	**38**±5	**3.1**			¶97i2473
ISC	**I**	**18 02 31 05**±1.3	**43.45N**±.064	**147.6E**±.14	**70**±12	**4.0b**	**55**	**1-152**	
JMA	I	18 02 31 05.7±.4	43.51N±.03	147.33E±.03	32	3.9			¶97i2583
NEIC	I	18 02 31 10.8	44.88N	147.06E	66	3.8b			
EIDC	I	18 02 31 44.0	45.0N	147.3E	364	3.3b			
NEIC		Poor solution.							
ISC	**I**	**18 03 53 37**±6.0	**43.4N**±.21	**146.4E**±.66	**74**		**8**	**0-2**	
JMA	I	18 03 53 36.7±.3	43.38N±.02	146.35E±.03	74±2				¶97i2596
ISC	**I**	**19 11 53 07**±1.6	**44.0N**±.11	**147.7E**±.24	**139**±15	**3.7b**	**35**	**2-70**	
EIDC	I	19 11 52 50.7	43.7N	147.4E	0	3.9b			¶97i2835
JMA	I	19 11 53 07.9±.4	43.76N±.02	147.67E±.04	112				
JMA	**I**	**19 15 24 46.1**±.4	**43.97N**±.04	**147.93E**±.04	**23**	**3.4**			¶97i2860
JMA	**I**	**19 20 52 46.2**±.4	**43.00N**±.03	**147.08E**±.04	**60**	**2.9**			¶97i2885
JMA	**I**	**19 21 54 08.9**±.4	**43.48N**±.03	**147.09E**±.04	**56**	**3.9**			¶97i2897
ISC	**I**	**19 23 35 58**±2.8	**43.3N**±.45	**146.8E**±.24	**43**	2.8b	**9**	**1-56**	
JMA	I	19 23 35 55.8±.3	43.30N±.03	147.01E±.03	43±4	3.1			¶97i2905
JMA	**I**	**20 01 01 10.9**±.4	**44.17N**±.05	**147.09E**±.06	**155**				¶97i2915
JMA	**I**	**20 09 49 20.3**±.3	**43.26N**±.03	**147.25E**±.03	**67**±5				¶97i2979
JMA	**I**	**20 15 28 31.6**±.4	**43.98N**±.05	**147.98E**±.04	**26**	**3.4**			¶97i3028
JMA	**I**	**21 00 03 48.3**±.2	**43.51N**±.02	**147.24E**±.02	**46**	**3.0**			¶97i3104
JMA	**I**	**21 11 31 41.7**±.4	**43.57N**±.03	**146.94E**±.04	**40**	**3.0**			¶97i3174
KRSC	**I**	**22 03 33 13.8**	**50.37N**	**156.89E**	**20**	**3.7b**		**1-3**	
									¶97i3274
ISC	**I**	**23 09 40 04**±9.1	**43.2N**±.16	**146.2E**±.93	**38**±39		**11**	**0-3**	
JMA	I	23 09 40 01.4±.3	43.14N±.02	146.31E±.03	50±3	3.2			¶97i3473
ISC	**I**	**23 10 00 42**±11	**43.0N**±.43	**146.1E**±.97	**43**		**8**	**0-2**	
JMA	I	23 10 00 43.7±.4	43.11N±.02	145.90E±.03	43±3	2.8			¶97i3478
JMA	**I**	**23 10 16 25.6**±.4	**43.69N**±.03	**147.31E**±.04	**28**	**3.1**			¶97i3482
JMA	**I**	**23 20 42 16.8**±.3	**43.53N**±.03	**147.96E**±.03	**43**	**3.4**			¶97i3544
ISC	**I**	**24 08 43 58**±2.5	**44.0N**±.20	**147.8E**±.25	**59**±28	**3.6b**	**33**	**2-82**	
JMA	I	24 08 43 56.6±.4	43.69N±.04	147.76E±.04	12	3.4			¶97i3618
NEIC	I	24 08 44 04.1	44.32N	147.74E	100				
EIDC	I	24 08 44 05.6	44.1N	147.8E	104	3.3b			
NEIC		Poor solution.							
JMA	**I**	**24 23 37 25.8**±.2	**43.14N**±.02	**146.66E**±.02	**61**±2				¶97i3705
JMA	**I**	**25 03 54 34.6**±.5	**43.69N**±.04	**147.15E**±.05	**31**	**3.3**			¶97i3735
JMA	**I**	**25 10 33 47.2**±.4	**43.60N**±.03	**147.27E**±.04	**47**	**2.8**			¶97i3791
JMA	**I**	**25 11 16 54.5**±.5	**43.62N**±.04	**147.18E**±.05	**47**	**2.8**			¶97i3798
ISC	**I**	**25 23 48 32**±1.8	**44.0N**±.14	**148.8E**±.17	**79**±17	**3.6b**	**56**	**2-81**	
JMA	I	25 23 48 27.4±.5	43.82N±.04	149.36E±.05	3	3.9			¶97i3858
NEIC	I	25 23 48 29.4	44.55N	148.84E	33	4.0b			
EIDC	I	25 23 48 32.7	44.6N	148.8E	45	3.5b,3.6L			
NEIC		Less reliable solution.							
JMA	**I**	**26 03 22 59.9**±.8	**43.77N**±.06	**147.36E**±.07	**102**				¶97i3882
JMA	**I**	**26 04 41 35.6**±.2	**43.09N**±.01	**146.67E**±.02	**50**±2	**2.9**			¶97i3886
ISC	**I**	**26 08 32 30**±2.1	**43.25N**±.098	**147.4E**±.22	**71**±19	**3.7b**	**42**	**1-83**	
JMA	I	26 08 32 30.4±.4	43.19N±.03	147.25E±.04	44	3.8			¶97i3911
NEIC	I	26 08 32 31.2	43.74N	147.20E	59	4.0b			
EIDC	I	26 08 32 32.4	43.6N	147.2E	60	3.5b			
NEIC		Less reliable solution.							
JMA	**I**	**26 12 30 17.6**±.6	**43.96N**±.04	**147.13E**±.05	**70**				¶97i3944
JMA	**I**	**26 19 36 40.6**±.4	**43.64N**±.03	**147.18E**±.03	**48**	**3.1**			¶97i3988
JMA	**I**	**27 03 05 40.2**±.4	**43.73N**±.05	**147.88E**±.04	**0**	**3.2**			¶97i4039
JMA	**I**	**27 09 44 32.6**±.3	**43.56N**±.02	**147.39E**±.03	**13**±4	**3.2**			¶97i4073
ISC	**I**	**28 07 27 19.8**±.69	**48.8N**±.15	**155.8E**±.22	**41**±4.1*	**3.6b**	**13**	**27-147**	
NEIC	I	28 07 27 18.9	48.79N	155.90E	33	3.2b			¶97i4178
EIDC	I	28 07 27 19.3	48.8N	155.9E	24	3.6b			
NEIC		Less reliable solution.							

JMA	**I**	**28 08 25 08.4**±.4	**43.55N**±.03	**147.74E**±.04	**27**	**3.4**			**¶97i4186**
JMA	**I**	**28 11 29 59.0**±.3	**43.21N**±.02	**147.29E**±.03	**49**	**3.5**			**¶97i4205**
JMA	**I**	**29 03 09 28.6**±.4	**43.32N**±.05	**146.35E**±.03	**79**±4				**¶97i4296**
JMA	**I**	**29 03 58 42.5**±.4	**43.25N**±.03	**147.65E**±.04	**51**	**2.8**			**¶97i4301**
ISC	**I**	**29 07 39 52**±6.3	**44.2N**±.60	**146.5E**±.57	**160**			**8**	**1-3**
JMA	I	29 07 39 52.6±.5	44.16N±.06	146.53E±.07	160				**¶97i4317**
JMA	**I**	**29 07 45 20.6**±.3	**43.66N**±.03	**146.92E**±.04	**84**±4				**¶97i4319**
ISC	**I**	**29 20 21 46.2**±.85	**46.62N**±.080	**150.3E**±.11	**194**±7.6	**3.8b**		**50**	**2-87**
BJI	I	29 20 21 35.6	46.45N	150.67E	106	4.2b			**¶97i4398**
NEIC	I	29 20 21 35.9	46.65N	150.27E	100	4.4b			
MOS	I	29 20 21 38.2	46.6N	150.2E	126	4.2b			
SKHL	I	29 20 21 45.0	46.3N±.13	150.5E±.07	200±10				
EIDC	I	29 20 21 55.4	46.8N	150.3E	267	3.3b			
NEIC	Less reliable solution.								
SKHL	K10								
ISC	**I**	**30 19 04 31**±6.5	**44.3N**±.32	**146.8E**±.63	**122**			**15**	**1-5**
JMA	I	30 19 04 30.9±.6	44.25N±.05	146.83E±.08	122				**¶97i4531**
ISC	**I**	**31 04 05 41**±1.1	**43.53N**±.046	**147.7E**±.11	**58**±9.1	**4.0b**		**85**	**1-152**
MOS	I	31 04 05 42.6	43.6N	147.5E	67	4.5b			**¶97i4585**
NEIC	I	31 04 05 42.6	43.71N	147.38E	60	4.2b			
JMA	I	31 04 05 45.0±.5	43.63N±.03	147.24E±.04	45	4.0			
SKHL	I	31 04 05 46.0	43.9N±.10	147.3E±.10	50				
EIDC	I	31 04 05 48.3	44.0N	147.1E	84	3.8b			
NEIC	Less reliable solution.								
SKHL	K10								
ISC	**I**	**31 06 00 00**±7.4	**43.13N**±.079	**147.3E**±.27	**25**±57	**3.5b**		**33**	**1-83**
NEIC	I	31 06 00 01.3	43.30N	146.78E	33				**¶97i4593**
JMA	I	31 06 00 04.9±.3	43.38N±.02	146.86E±.03	44±4	3.7			
EIDC	I	31 06 00 06.7	43.5N	147.1E	55	3.3b			
NEIC	Poor solution.								
JMA	**I**	**31 15 27 35.0**±.4	**43.63N**±.04	**147.46E**±.04	**22**	**3.2**			**¶97i4642**
ISC	**I**	**31 20 27 15**±4.3	**43.5N**±.20	**146.0E**±.50	**63**			**7**	**0-2**
JMA	I	31 20 27 14.7±.2	43.48N±.01	146.02E±.02	63±2				**¶97i4672**
ISC	**II**	**01 00 15 39**±4.3	**43.4N**±.10	**148.0E**±.44	**60**±41	3.4b		**26**	**2-70**
JMA	II	01 00 15 41.1±.4	43.57N±.03	147.65E±.03	28	3.5			**¶97ii0001**
ISC	**II**	**01 10 08 18**±1.3	**43.12N**±.050	**146.6E**±.15	**72**±11	**3.7b**		**59**	**1-83**
JMA	II	01 10 08 20.8±.3	43.18N±.02	146.31E±.03	58±3	3.8			**¶97ii0056**
NEIC	II	01 10 08 22.4	43.44N	146.27E	95	3.8b			
MOS	II	01 10 08 22.8	43.5N	146.3E	97	4.3b			
EIDC	II	01 10 08 23.8	43.4N	146.3E	89	3.6b,3.1L			
NEIC	Less reliable solution.								
JMA	**II**	**01 21 25 07.9**±.4	**43.96N**±.03	**147.67E**±.04	**88**				**¶97ii0123**
JMA	**II**	**02 00 24 45.7**±.3	**43.21N**±.03	**147.57E**±.03	**57**	**3.1**			**¶97ii0149**
ISC	**II**	**02 04 08 59.6**±.83	**44.23N**±.043	**148.43E**±.090	**56**±6.9	**4.3b**		**116**	**1-151**
BJI	II	02 04 08 59.1	44.07N	148.66E	68	5.2b			**¶97ii0169**
SKHL	II	02 04 09 01.0	44.3N±.11	148.3E±.13	70				
JMA	II	02 04 09 01.1±.5	44.12N±.04	148.07E±.06	13	4.3			
NEIC	II	02 04 09 03.2	44.74N	148.04E	68	4.4b			
MOS	II	02 04 09 03.9	44.6N	148.1E	76	4.7b			
EIDC	II	02 04 09 04.2	44.8N	147.9E	64	3.7b,4.0L			
SKHL	K10.5								
NEIC	Less reliable solution.								
ISC	**II**	**02 04 26 40**±4.6	**44.4N**±.35	**146.4E**±.51	**161**			**10**	**1-3**
JMA	II	02 04 26 40.3±.5	44.36N±.05	146.45E±.07	161				**¶97ii0173**
ISC	**II**	**02 09 42 45**±2.0	**43.9N**±.33	**147.5E**±.29	**24**	2.8b		**8**	**1-56**
JMA	II	02 09 42 37.0±.2	43.96N±.03	148.14E±.02	24	2.9			**¶97ii0205**
JMA	**II**	**02 10 34 21.9**±.5	**44.03N**±.06	**147.87E**±.05	**0**	**3.1**			**¶97ii0209**
JMA	**II**	**03 02 49 14.0**±.5	**43.68N**±.03	**147.14E**±.05	**20**	**3.3**			**¶97ii0309**
ISC	**II**	**03 07 53 25.4**±.39	**50.75N**±.033	**155.39E**±.048	**170**±3.6	**5.0b**		**275**	**0-147**
BJI	II	03 07 53 23.1	50.74N	155.47E	160	5.2b			**¶97ii0339**
NEIC	II	03 07 53 24.2	50.81N	155.38E	158	5.1b			
KRSC	II	03 07 53 24.4	50.36N	156.01E	168	5.1b			
SKHL	II	03 07 53 25.0	50.5N±.16	155.7E±.26	155±20				
MOS	II	03 07 53 25.4	50.8N	155.3E	169	5.1b			
EIDC	II	03 07 53 25.9	50.9N	155.2E	161	4.6b			
HRVD	II	03 07 53 29.5±.8	50.66N±.09	155.72E±.12	169±2.7				
NEIC	Mw5.4(HRV).								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c26; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.88±.61; $M_{\theta\theta}$3.26±.97; $M_{\phi\phi}$1.62±.93; $M_{r\theta}$−4.07±.78; $M_{r\phi}$−9.83±.69; $M_{\theta\phi}$2.79±1.01. Principal Axes: T 11.4,Plg33°,Azm126°; N 0.8, Plg11°,Azm28°; P −12.2,Plg55°,Azm282°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S252°,δ16°,λ−45°. NP2:ϕ_S26°,δ78°,λ−102°.								
JMA	**II**	**03 08 04 09.0**±.4	**43.56N**±.03	**146.41E**±.03	**74**±3				**¶97ii0341**
ISC	**II**	**03 13 19 00.8**±.90	**47.1N**±.15	**153.9E**±.20	**33**	**3.8b**		**16**	**21-78**
EIDC	II	03 13 18 57.7	47.2N	153.9E	0	3.8b			**¶97ii0378**
NEIC	II	03 13 19 00.6	47.17N	153.92E	33	3.5b			
NEIC	Less reliable solution.								
ISC	**II**	**03 20 10 04**±2.0	**44.42N**±.061	**149.9E**±.10	**17**±13	**4.4b**		**122**	**2-150**
JMA	II	03 20 10 04.9±.7	44.29N±.06	150.33E±.08	58	4.0			**¶97ii0421**
SKHL	II	03 20 10 06.0	44.4N±.16	150.0E±.17	35±1				
MOS	II	03 20 10 06.5	44.4N	149.8E	33	4.9b			
BJI	II	03 20 10 06.5	44.46N	149.89E	39	5.0b			
NEIC	II	03 20 10 07.4	44.60N	149.67E	33	4.7b			
EIDC	II	03 20 10 10.7	44.7N	149.7E	50	3.9b,3.9L			
SKHL	K10.5								
JMA	**II**	**04 08 25 04.1**±.4	**43.35N**±.02	**147.16E**±.03	**42**	**3.2**			**¶97ii0489**
JMA	**II**	**05 00 55 59.1**±.3	**43.27N**±.03	**147.22E**±.03	**43**	**3.3**			**¶97ii0614**
ISC	**II**	**05 11 06 30**±1.2	**48.38N**±.064	**154.6E**±.10	**63**±11	**4.2b**		**53**	**2-147**
BJI	II	05 11 06 27.8	48.09N	154.81E	59	4.4b			**¶97ii0678**
NEIC	II	05 11 06 28.2	48.44N	154.47E	48	4.5b			
MOS	II	05 11 06 29.8	48.4N	154.8E	64	4.6b			
SKHL	II	05 11 06 30.0	48.4N±.16	154.9E±.18	65±1				
EIDC	II	05 11 06 30.3	48.4N	154.5E	47	3.9b,4.1L			
SKHL	K10								
JMA	**II**	**05 14 06 22.4**±.4	**43.57N**±.02	**146.84E**±.04	**49**±4	**3.6**			**¶97ii0699**
JMA	**II**	**05 16 16 57.9**±.5	**43.62N**±.04	**147.29E**±.05	**22**	**3.0**			**¶97ii0718**
JMA	**II**	**05 17 28 59.3**±.5	**43.19N**±.03	**146.46E**±.05	**49**±5	**2.8**			**¶97ii0725**
ISC	**II**	**05 22 38 25**±4.0	**43.24N**±.089	**147.3E**±.42	**43**			**39**	**1-8**
JMA	II	05 22 38 32.3±.5	43.34N±.03	146.47E±.05	43±4	3.6			**¶97ii0760**
ISC	**II**	**05 22 45 10**±3.2	**46.7N**±.12	**152.7E**±.24	**144**±31	**3.4b**		**13**	**10-72**
NEIC	II	05 22 45 05.0	46.74N	152.89E	100				**¶97ii0761**
EIDC	II	05 22 45 09.3	46.7N	152.7E	125	3.3b			
NEIC	Single network solution.								
ISC	**II**	**05 23 46 54.4**±.66	**45.3N**±.16	**150.1E**±.14	**100**	**3.6b**		**34**	**4-80**
EIDC	II	05 23 46 41.9	45.9N	148.7E	0	3.7b			**¶97ii0767**
NEIC	II	05 23 46 44.9	45.92N	148.68E	33				
NEIC	Single network solution.								
JMA	**II**	**06 00 11 04.5**±.4	**44.01N**±.04	**148.05E**±.04	**9**	**3.6**			**¶97ii0769**
JMA	**II**	**06 01 43 11.9**±.5	**43.71N**±.04	**147.42E**±.04	**42**	**2.8**			**¶97ii0781**
JMA	**II**	**06 02 59 38.4**±.4	**43.06N**±.02	**146.63E**±.04	**58**±4	**3.2**			**¶97ii0790**
ISC	**II**	**06 10 42 20.1**±.91	**44.0N**±.21	**149.4E**±.14	**51**	**3.6b**		**39**	**3-81**
NEIC	II	06 10 42 21.4	44.58N	149.08E	50	3.7b			**¶97ii0823**
JMA	II	06 10 42 23.5±.7	43.77N±.04	149.05E±.07	51	3.6			
EIDC	II	06 10 42 28.7	44.8N	148.7E	101	3.3b,3.3L			
NEIC	Poor solution.								
KRSC	**II**	**06 12 06 53.5**	**50.54N**	**157.80E**	**40**	**3.2b**			**1-3**
									¶97ii0833
ISC	**II**	**06 12 58 42**±1.4	**43.08N**±.062	**147.3E**±.14	**28**	3.0b		**36**	**1-56**
JMA	II	06 12 58 44.2±.6	43.25N±.03	146.93E±.05	28	3.4			**¶97ii0843**
ISC	**II**	**06 16 01 01.4**±.70	**44.09N**±.080	**148.68E**±.086	**33**	**3.5b**		**43**	**2-82**
EIDC	II	06 16 00 58.4	44.5N	148.1E	0	3.6b			**¶97ii0867**
NEIC	II	06 16 01 01.2	44.51N	148.03E	33	3.5b			
JMA	II	06 16 01 04.8±.4	44.04N±.04	148.22E±.04	33	3.9			
NEIC	Poor solution.								
ISC	**II**	**06 18 41 19**±3.7	**44.0N**±.29	**149.3E**±.39	**68**±39	**3.5b**		**27**	**3-70**
JMA	II	06 18 41 19.9±.9	44.43N±.08	149.38E±.10	60	3.5			**¶97ii0889**
EIDC	II	06 18 41 34.9	46.7N	148.6E	45	3.4b,3.6L			
JMA	**II**	**06 19 23 56.4**±.4	**43.29N**±.03	**147.24E**±.03	**55**	**3.6**			**¶97ii0895**
JMA	**II**	**06 19 44 12.0**±.2	**43.62N**±.02	**147.38E**±.02	**39**	**2.9**			**¶97ii0897**
JMA	**II**	**06 23 57 38.4**±.5	**43.26N**±.06	**147.45E**±.04	**60**	**3.0**			**¶97ii0920**
ISC	**II**	**07 05 07 09**±5.1	**43.7N**±.40	**146.2E**±.48	**77**			**7**	**0-3**
JMA	II	07 05 07 09.5±.2	43.69N±.02	146.11E±.02	77±2				**¶97ii0946**
JMA	**II**	**07 13 10 36.9**±.3	**43.22N**±.02	**146.47E**±.02	**54**±2	**2.8**			**¶97ii0990**
JMA	**II**	**07 15 47 21.0**±.4	**44.24N**±.06	**147.07E**±.06	**147**				**¶97ii1008**
ISC	**II**	**08 02 23 45**±1.3	**49.9N**±.12	**156.0E**±.16	**71**±11	**3.9b**		**21**	**1-76**
NEIC	II	08 02 23 42.9	49.89N	156.02E	52	3.9b			**¶97ii1079**
KRSC	II	08 02 23 44.2	49.97N	156.67E	0	4.0b			
EIDC	II	08 02 23 45.1	49.9N	155.8E	52	3.6b			
MOS	II	08 02 23 51.2	50.6N	156.1E	78	4.1b			
NEIC	Less reliable solution.								
JMA	**II**	**08 03 07 26.6**±.5	**43.71N**±.04	**147.21E**±.04	**32**	**3.1**			**¶97ii1083**
JMA	**II**	**08 04 29 45.0**±.2	**43.82N**±.07	**147.86E**±.03	**93**				**¶97ii1092**
JMA	**II**	**09 00 33 10.3**±.3	**43.08N**±.02	**146.99E**±.03	**50**	**3.6**			**¶97ii1227**
JMA	**II**	**09 05 58 20.5**±.4	**43.19N**±.03	**146.93E**±.04	**71**				**¶97ii1267**
JMA	**II**	**09 07 13 34.2**±.5	**43.56N**±.03	**147.19E**±.04	**37**	**3.1**			**¶97ii1276**
JMA	**II**	**09 08 57 33.3**±.4	**43.24N**±.02	**146.92E**±.04	**53**	**3.2**			**¶97ii1285**
ISC	**II**	**09 10 00 08**±8.9	**44.5N**±.40	**147.2E**±.90	**133**			**11**	**2-4**
JMA	II	09 10 00 08.5±.5	44.43N±.04	147.21E±.07	133				**¶97ii1292**
JMA	**II**	**09 16 18 02.2**±.3	**43.11N**±.02	**146.96E**±.03	**52**	**3.2**			**¶97ii1331**
JMA	**II**	**10 01 55 44.9**±.6	**43.71N**±.04	**147.52E**±.05	**23**	**3.1**			**¶97ii1400**
JMA	**II**	**10 10 03 48.3**±.2	**43.25N**±.02	**147.70E**±.02	**60**	**2.6**			**¶97ii1440**
JMA	**II**	**10 11 12 31.8**±.5	**43.64N**±.05	**147.25E**±.04	**40**	**2.9**			**¶97ii1448**
JMA	**II**	**10 11 23 23.7**±.4	**43.20N**±.03	**147.24E**±.03	**54**	**3.0**			**¶97ii1449**
JMA	**II**	**10 22 41 21.6**±.3	**43.43N**±.02	**146.00E**±.03	**74**±2				**¶97ii1540**
KRSC	**II**	**11 01 28 20.0**	**49.58N**	**156.55E**	**23**	**3.3b**			**1-4**
									¶97ii1565
JMA	**II**	**11 03 12 52.8**±.3	**43.66N**±.02	**147.20E**±.03	**55**±4	**3.2**			**¶97ii1575**
JMA	**II**	**11 03 41 01.7**±.4	**43.82N**±.03	**146.90E**±.05	**93**				**¶97ii1579**
JMA	**II**	**11 04 35 18.8**±.5	**43.29N**±.06	**147.19E**±.05	**54**	**3.0**			**¶97ii1586**
JMA	**II**	**11 20 30 41.5**±.3	**43.70N**±.03	**147.38E**±.03	**30**	**3.0**			**¶97ii1670**
ISC	**II**	**12 05 48 53**±7.8	**43.2N**±.37	**146.3E**±.82	**62**			**5**	**0-2**
JMA	II	12 05 48 52.8±.3	43.19N±.02	146.32E±.03	62±3				**¶97ii1730**
JMA	**II**	**12 10 55 54.9**±.2	**43.87N**±.02	**147.81E**±.02	**86**				**¶97ii1746**
JMA	**II**	**12 14 56 31.0**±.2	**43.77N**±.02	**147.06E**±.02	**57**±4	**2.8**			**¶97ii1777**
ISC	**II**	**12 17 18 23**±1.6	**43.86N**±.065	**147.6E**±.20	**117**±15	**3.6b**		**54**	**1-70**
NEIC	II	12 17 18 23.4	44.22N	146.95E	100	3.2b			**¶97ii1797**
JMA	II	12 17 18 25.3±.5	43.72N±.03	147.41E±.05	100±4				
EIDC	II	12 17 18 32.5	43.7N	146.9E	215	3.3b			
NEIC	Poor solution.								
ISC	**II**	**12 17 30 14**±4.8	**43.8N**±.35	**146.1E**±.58	**96**			**5**	**1-2**
JMA	II	12 17 30 14.2±.2	43.84N±.01	146.09E±.02	96±2				**¶97ii1800**
JMA	**II**	**12 20 01 22.1**±.6	**43.60N**±.05	**147.47E**±.05	**54**	**2.9**			**¶97ii1810**
ISC	**II**	**14 01 23 47**±4.4	**46.0N**±.75	**147.1E**±.38	**33**	**3.6b**		**5**	**25-81**
EIDC	II	14 01 23 41.1	45.6N	147.0E	0	3.7b			**¶97ii2003**
JMA	**II**	**14 03 40 04.9**±.4	**43.66N**±.03	**147.52E**±.04	**24**	**3.8**			**¶97ii2018**
ISC	**II**	**14 15 30 29**±1.2	**44.43N**±.085	**147.3E**±.17	**140**±13	**3.5b**		**50**	**2-82**
NEIC	II	14 15 30 27.3	45.35N	146.90E	100	4.0b			**¶97ii2071**
JMA	II	14 15 30 30.5±.6	44.54N±.04	147.10E±.06	134				
EIDC	II	14 15 30 32.1	45.2N	146.8E	138	3.4b			
NEIC	Poor solution.								
ISC	**II**	**14 18 35 03**±2.6	**43.7N**±.14	**147.4E**±.29	**72**±26	**3.3b**		**39**	**1-65**
JMA	II	14 18 35 01.9±.5	43.61N±.04	147.40E±.04	22	3.4			**¶97ii2098**
NEIC	II	14 18 35 10.3	43.27N	147.26E	167				
EIDC	II	14 18 35 11.6	43.2N	147.4E	168	3.0b			
NEIC	Poor solution.								
JMA	**II**	**15 04 51 12.8**±.3	**43.72N**±.03	**146.95E**±.04	**82**±4				**¶97ii2175**
ISC	**II**	**15 07 07 19**±1.1	**49.14N**±.065	**156.17E**±.095	**39**±8.7	**4.3b,**3.8s		**83**	**2-146**
SKHL	II	15 07 07 17.0	48.9N±.13	156.6E±.25	40±1				**¶97ii2188**
BJI	II	15 07 07 19.4	49.21N	156.02E	48	4.5b,4.2s			
NEIC	II	15 07 07 20.7	49.16N	156.11E	50	4.8b			
MOS	II	15 07 07 21.1	49.3N	156.0E	43	5.1b			
EIDC	II	15 07 07 21.9	49.2N	156.1E	48	3.9b,3.8s			
SKHL	K10								
JMA	**II**	**15 09 44 06.3**±.5	**43.88N**±.04	**147.63E**±.05	**23**	**2.9**			**¶97ii2209**
ISC	**II**	**15 14 39 16**±8.4	**43.2N**±.40	**146.3E**±.84	**61**			**5**	**0-2**
JMA	II	15 14 39 15.5±.1	43.21N±.01	146.36E±.01	61±1				**¶97ii2248**
ISC	Poorly determined								
JMA	**II**	**15 14 55 23.8**±.4	**43.74N**±.03	**147.26E**±.04	**24**	**3.2**			**¶97ii2252**
ISC	**II**	**15 17 23 28**±4.6	**50.3N**±.63	**156.7E**±.78	**174**			**8**	**1-7**
KRSC	II	15 17 23 29.4	50.83N	156.05E	174	3.4b			**¶97ii2268**
JMA	**II**	**15 20 11 28.1**±.3	**43.93N**±.03	**147.82E**±.03	**1**	**2.9**			**¶97ii2284**
JMA	**II**	**16 06 45 50.3**±.3	**43.51N**±.02	**147.14E**±.03	**53**	**3.2**			**¶97ii2350**
JMA	**II**	**16 15 56 54.6**±.3	**43.47N**±.02	**147.15E**±.03	**49**	**3.2**			**¶97ii2387**
JMA	**II**	**18 01 18 56.0**±.4	**43.11N**±.04	**146.79E**±.03	**67**±4				**¶97ii2585**
JMA	**II**	**18 13 35 36.8**±.4	**44.17N**±.05	**148.26E**±.05	**117**				**¶97ii2650**
JMA	**II**	**19 08 18 25.2**±.2	**43.39N**±.03	**147.25E**±.02	**66**±4				**¶97ii2752**
ISC	**II**	**19 15 54 31.0**±.71	**45.01N**±.043	**150.31E**±.067	**56**±6.4	**4.5b,4.1s**		**159**	**2-151**
BJI	II	19 15 54 24.4	45.19N	150.90E	33	5.0b,4.6s			**¶97ii2807**
EIDC	II	19 15 54 26.3	45.3N	150.1E	0	4.3b,4.1L			
NEIC	II	19 15 54 29.6	45.33N	150.02E	33	4.9b			
MOS	II	19 15 54 30.0	45.2N	150.1E	38	5.1b			
JMA	II	19 15 54 32.0±.6	44.66N±.07	150.46E±.07	0	4.5			
SKHL	II	19 15 54 32.0	45.2N±.16	150.2E±.24	40±1				
SKHL	K11								
ISC	**II**	**20 00 12 37.4**±.83	**44.22N**±.067	**146.8E**±.13	**169**±7.8	**3.8b**		**58**	**1-83**
NEIC	II	20 00 12 38.7	44.79N	146.59E	150	3.4b			**¶97ii2856**
JMA	II	20 00 12 40.0±.4	44.21N±.03	146.63E±.05	141				
EIDC	II	20 00 12 41.1	44.7N	146.5E	162	3.6b			
NEIC	Less reliable solution.								
ISC	**II**	**20 03 29 48**±1.4	**43.39N**±.053	**147.1E**±.15	**80**±12	**3.9b**		**65**	**1-83**
MOS	II	20 03 29 43.7	43.4N	147.5E	33	4.8b			**¶97ii2870**
JMA	II	20 03 29 49.9±.5	43.47N±.03	146.93E±.05	58±4	3.9			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	II	20 03 29 54.4	45.39N	146.35E	33	4.3b		
EIDC	II	20 03 30 04.1	47.4N	146.1E	0	4.0b,4.5L		
NEIC		Less reliable solution.						
ISC	**II**	**20 11 42 40**±3.8	**43.3N**±.14	**146.1E**±.43	**75**		**13**	**0-4**
JMA	II	20 11 42 39.6±.3	43.26N±.02	146.13E±.03	75±2			**¶97ii2918**
JMA	**II**	**20 17 25 40.4**±.3	**44.05N**±.04	**148.15E**±.04	**23**	**3.6**		**¶97ii2955**
ISC	**II**	**21 13 18 47.8**±.84	**46.9N**±.17	**152.7E**±.20	**33**	**3.5b**	**10**	**21-78**
EIDC	II	21 13 18 45.2	46.9N	152.8E	0	3.5b		**¶97ii3074**
NEIC	II	21 13 18 47.6	46.86N	152.74E	33			
NEIC		Single network solution.						
ISC	**II**	**21 17 24 09.9**±.51	**48.43N**±.046	**152.93E**±.066	**178**±5.4	**4.4b**	**162**	**3-148**
BJI	II	21 17 24 10.1	48.63N	152.88E	183			**¶97ii3102**
NEIC	II	21 17 24 11.0	48.63N	152.89E	181	4.6b		
SKHL	II	21 17 24 11.0	48.5N±.16	153.1E±.18	165±10			
MOS	II	21 17 24 11.6	48.6N	152.9E	186	4.6b		
EIDC	II	21 17 24 12.4	48.7N	152.8E	183	3.9b		
SKHL	K10							
ISC	**II**	**22 11 21 35**±1.6	**43.4N**±.14	**146.9E**±.17	**37**	3.2b	**26**	**1-56**
JMA	II	22 11 21 36.1±.4	43.44N±.02	146.69E±.04	37±4	3.6		**¶97ii3197**
ISC	**II**	**22 21 22 50**±5.4	**44.4N**±.35	**146.4E**±.55	**155**		**9**	**1-3**
JMA	II	22 21 22 50.3±.4	44.36N±.03	146.41E±.04	155±3			**¶97ii3252**
ISC	**II**	**23 00 03 18**±3.4	**44.6N**±.23	**146.2E**±.34	**202**		**19**	**1-6**
JMA	II	23 00 03 18.3±.6	44.58N±.05	146.24E±.07	202			**¶97ii3270**
ISC	**II**	**23 20 42 58**±1.4	**43.05N**±.075	**147.3E**±.15	**40**	3.2b	**31**	**1-56**
JMA	II	23 20 42 49.7±.5	43.35N±.04	147.95E±.04	40	3.4		**¶97ii3369**
JMA	**II**	**23 22 11 57.9**±.4	**43.24N**±.02	**146.21E**±.04	**46**±2	**2.8**		**¶97ii3381**
ISC	**II**	**24 07 21 45**±8.1	**44.5N**±.60	**146.7E**±.82	**141**		**6**	**1-3**
JMA	II	24 07 21 45.9±.4	44.49N±.04	146.65E±.06	141			**¶97ii3437**
JMA	**II**	**24 08 48 15.6**±.2	**43.61N**±.02	**147.32E**±.02	**35**	**3.1**		**¶97ii3449**
ISC	**II**	**24 08 50 47.0**±.99	**45.6N**±.28	**149.9E**±.28	**200**	**2.9b**	**16**	**4-80**
EIDC	II	24 08 50 43.2	45.2N	155.5E	0	3.5b		**¶97ii3451**
JMA	**II**	**24 15 51 13.4**±.2	**43.52N**±.02	**147.76E**±.02	**70**±4			**¶97ii3501**
JMA	**II**	**24 16 30 38.3**±.2	**43.83N**±.02	**147.63E**±.02	**37**	**2.8**		**¶97ii3505**
JMA	**II**	**25 02 25 05.7**±.3	**43.46N**±.03	**147.09E**±.03	**56**	**2.9**		**¶97ii3567**
JMA	**II**	**25 04 32 50.0**±.4	**43.16N**±.02	**146.47E**±.04	**61**			**¶97ii3581**
JMA	**II**	**25 05 19 41.4**±.4	**43.23N**±.02	**147.01E**±.04	**59**±5	**3.5**		**¶97ii3584**
JMA	**II**	**25 06 06 06.8**±.5	**43.60N**±.05	**147.86E**±.05	**41**	**3.6**		**¶97ii3588**
JMA	**II**	**25 06 28 19.2**±.3	**43.65N**±.02	**147.30E**±.03	**53**±4	**3.5**		**¶97ii3591**
ISC	**II**	**25 13 41 37**±1.0	**47.0N**±.18	**150.9E**±.21	**200**	**3.5b**	**10**	**26-72**
NEIC	II	25 13 41 37.3	47.05N	150.88E	200	3.3b		**¶97ii3628**
EIDC	II	25 13 41 41.5	47.1N	150.8E	222	3.3b		
NEIC		Less reliable solution.						
ISC	**II**	**25 14 08 42**±2.2	**43.35N**±.061	**147.3E**±.23	**53**±22	**3.9b**	**41**	**1-65**
JMA	II	25 14 08 40.6±.6	43.48N±.03	147.23E±.05	22	3.6		**¶97ii3635**
NEIC	II	25 14 08 44.8	44.11N	147.05E	33	3.1b		
EIDC	II	25 14 08 56.7	46.4N	146.9E	0	3.9b		
NEIC		Poor solution.						
ISC	**II**	**25 15 10 47**±4.2	**43.2N**±.21	**146.1E**±.47	**75**		**8**	**0-2**
JMA	II	25 15 10 47.3±.3	43.21N±.02	146.03E±.03	75±2			**¶97ii3642**
ISC	**II**	**25 20 27 19**±5.7	**44.5N**±.50	**146.3E**±.55	**175**		**8**	**1-3**
JMA	II	25 20 27 19.3±.6	44.54N±.05	146.33E±.07	175			**¶97ii3686**
JMA	**II**	**26 05 48 10.3**±.2	**44.94N**±.02	**146.05E**±.02	**123**			**¶97ii3746**
ISC	**II**	**26 10 36 33.3**±.71	**43.44N**±.077	**147.82E**±.086	**33**	**3.3b**	**39**	**2-82**
EIDC	II	26 10 36 32.0	43.5N	148.2E	0	3.4b,3.2L		**¶97ii3779**
JMA	II	26 10 36 36.5±.4	43.60N±.04	147.34E±.04	33	3.8		
EIDC	**II**	**26 12 26 55.6**	**48.2N**	**152.3E**	**31**	**3.5b**		**26-67**
								¶97ii3787
ISC	**II**	**26 15 53 51**±1.3	**50.0N**±.15	**156.3E**±.17	**106**±10	**3.7b**	**25**	**1-72**
EIDC	II	26 15 53 40.3	50.0N	156.2E	0	3.8b,4.2L		**¶97ii3814**
NEIC	II	26 15 53 42.7	49.91N	156.30E	33			
KRSC	II	26 15 53 49.3	49.85N	156.93E	21	4.2b		
MOS	II	26 15 53 51.5	50.1N	156.1E	106	4.5b		
NEIC		Less reliable solution.						
JMA	**II**	**26 17 32 30.9**±.3	**43.77N**±.02	**147.06E**±.03	**54**±5	**3.0**		**¶97ii3831**
ISC	**II**	**26 20 13 02**±6.2	**43.1N**±.13	**147.3E**±.64	**49**		**23**	**1-7**
JMA	II	26 20 13 10.4±.2	43.16N±.02	146.39E±.02	49±2	3.4		**¶97ii3847**
ISC	**II**	**26 22 08 05**±1.7	**49.2N**±.44	**155.0E**±.98	**33**	**3.7b**	**5**	**34-75**
EIDC	II	26 22 08 01.5	49.2N	155.0E	0	3.7b		**¶97ii3867**
NEIC	II	26 22 08 04.6	49.24N	155.02E	33			
NEIC		Poor solution.						
ISC	**II**	**27 09 58 58**±11	**50.1N**±.86	**157.0E**±.29	**42**		**7**	**1-4**
KRSC	II	27 09 59 02	50.4N	156.9E	42	3.7b		**¶97ii3941**
JMA	**II**	**27 11 24 38.9**±.4	**43.60N**±.03	**147.24E**±.04	**45**	**3.0**		**¶97ii3950**
ISC	**II**	**28 10 25 30**±6.6	**43.2N**±.26	**146.4E**±.71	**77**		**8**	**0-2**
JMA	II	28 10 25 29.4±.3	43.19N±.02	146.40E±.03	77±3			**¶97ii4213**
ISC	**II**	**28 11 32 14**±1.3	**43.96N**±.022	**147.89E**±.029	**1**±7.7	**6.1b,5.6s**	**822**	**1-156**
EIDC	II	28 11 32 17.3	44.1N	147.7E	14	5.6b,5.5s		**¶97ii4232**
BJI	II	28 11 32 18.0	44.12N	147.79E	27	6.1b,5.6s		
JMA	II	28 11 32 18.4±.3	43.70N±.02	147.82E±.03	6	5.6		
NEIC	II	28 11 32 18.9	43.92N	147.88E	33	6.1b,5.5s		
SKHL	II	28 11 32 21.0	43.9N±.07	147.8E±.16	48±8			
MOS	II	28 11 32 21.3	43.97N	147.85E	50			
HRVD	II	28 11 32 23.7±.2	43.95N±.01	148.08E±.02	37			
NEIC		Mw5.9(HRV), Me5.7(GS)						
NEIC		Radiated energy from the P−wave first−motion solution: 8.4±2.5×10^{12}Nm/12						
NEIC		Mw 5.7 (GS). Felt I=IV MM at Kunashir and III MM at Iturup.						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ45°,λ90°. NP2:ϕ_S40°,δ45°,λ90°. Principal axes: T Plg90°,Azm0°; P Plg0°,Azm130°. Depth from synthetics of broadband displacement seismograms.						
NEIC		Moment tensor solution: s35, scale 10^{17}Nm; M_{rr}3.70; $M_{\theta\theta}$−1.49; $M_{\phi\phi}$−2.21; $M_{r\theta}$0.44; $M_{r\phi}$2.21; $M_{\theta\phi}$−1.05. Depth 34km; Principal axes: T 4.44,Plg72°,Azm273°; N −0.87,Plg8°, Azm28°; P −3.57,Plg16°,Azm120°. Best double couple: M0$4.0\times10^{17}$Nm; NP1:ϕ_S222°,δ29°, λ106°. NP2:ϕ_S23°,δ62°,λ81°.						
SKHL		Felt I=IV MSK at Yuzhno−Kurilsk; I=III at Kurilsk						
MOS		Mb6.8/32, Ms5.8/22						
MOS		Felt I=IV MSK Yuzhno−Kurilsk, II−III Kurilsk						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c82; Mantle waves: s19,c24; Half duration: 2±1. Moment tensor: Scale 10^{17}Nm; M_{rr}4.99±.07; $M_{\theta\theta}$−1.48±.10; $M_{\phi\phi}$−3.50±.10; $M_{r\theta}$1.80±.17; $M_{r\phi}$3.39±.16; $M_{\theta\phi}$−3.27±.09. Principal Axes: T 6.23,Plg72°,Azm288°; N 0.88,Plg5°,Azm34°; P −7.11,Plg17°,Azm125°. Best double couple: M0$6.7\times10^{17}$Nm, NP1:ϕ_S223°,δ28°,λ101°. NP2:ϕ_S31°,δ63°,λ84°.						
JMA	**II**	**28 12 04 24.8**±.3	**43.50N**±.02	**147.16E**±.02	**54**±4	**2.9**		**¶97ii4240**
JMA	**II**	**28 12 10 17.8**±.5	**43.83N**±.04	**147.70E**±.04	**16**	**2.9**		**¶97ii4243**
JMA	**II**	**28 13 19 49.9**±.1	**43.88N**±.02	**147.98E**±.01	**93**±2			**¶97ii4257**
ISC	**II**	**28 15 27 06**±9.0	**44.6N**±.53	**146.8E**±.79	**125**		**9**	**1-4**
JMA	II	28 15 27 07.0±.5	44.51N±.04	146.77E±.06	125			**¶97ii4277**
JMA	**II**	**28 20 21 44.8**±.4	**43.84N**±.04	**147.80E**±.04	**31**	**3.3**		**¶97ii4328**
JMA	**II**	**28 20 54 49.9**±.4	**43.80N**±.05	**147.58E**±.04	**2**	**3.0**		**¶97ii4335**
JMA	**II**	**28 21 39 27.6**±.5	**44.57N**±.06	**147.88E**±.07	**174**			**¶97ii4345**
JMA	**III**	**01 02 33 50.1**±.4	**43.40N**±.03	**147.54E**±.04	**48**	**2.9**		**¶97iii0021**
JMA	**III**	**01 06 14 02.1**±.4	**43.83N**±.03	**147.56E**±.04	**1**	**3.5**		**¶97iii0059**
JMA	**III**	**01 09 50 43.6**±.3	**43.63N**±.03	**147.26E**±.03	**44**	**3.5**		**¶97iii0086**
ISC	**III**	**02 08 17 09**±8.2	**43.2N**±.24	**146.3E**±.82	**49**		**8**	**0-2**
JMA	III	02 08 17 08.9±.3	43.15N±.02	146.34E±.02	49±2	2.9		**¶97iii0263**
JMA	**III**	**02 09 57 27.8**±.4	**43.77N**±.04	**147.91E**±.04	**18**	**3.8**		**¶97iii0278**
JMA	**III**	**02 13 34 48.5**±.4	**43.77N**±.04	**147.94E**±.04	**13**	**3.6**		**¶97iii0320**
JMA	**III**	**02 15 49 43.4**±.3	**43.65N**±.03	**147.54E**±.03	**21**	**2.8**		**¶97iii0343**
ISC	**III**	**03 03 20 09**±1.0	**43.52N**±.050	**147.7E**±.10	**39**±9.7	**4.1b**	**83**	**1-87**
JMA	III	03 03 20 09.5±.5	43.54N±.03	147.48E±.04	18	4.3		**¶97iii0464**
MOS	III	03 03 20 11.6	44.2N	147.5E	33	4.5b		
NEIC	III	03 03 20 12.0	44.36N	147.46E	33	4.4b		
SKHL	III	03 03 20 13.0	43.8N±.16	147.3E±.20	35			
EIDC	III	03 03 20 18.0	44.3N	147.4E	76	3.8b		
SKHL	K10							
JMA	**III**	**03 09 55 24.2**±.6	**43.70N**±.08	**147.48E**±.06	**10**	**3.4**		**¶97iii0544**
JMA	**III**	**03 10 55 18.8**±.4	**43.26N**±.03	**147.23E**±.04	**51**	**3.2**		**¶97iii0556**
ISC	**III**	**03 16 41 20**±2.4	**43.3N**±.25	**146.1E**±.30	**59**±20	2.8b	**9**	**0-57**
JMA	III	03 16 41 15.5±.3	43.22N±.02	146.42E±.02	77±3			**¶97iii0639**
JMA	**III**	**03 17 49 30.8**±.3	**43.54N**±.03	**147.77E**±.03	**55**	**3.2**		**¶97iii0652**
JMA	**III**	**03 20 15 43.5**±.4	**43.71N**±.03	**146.73E**±.04	**66**			**¶97iii0689**
JMA	**III**	**03 21 59 26.1**±.3	**43.18N**±.02	**146.43E**±.02	**53**±3	**3.3**		**¶97iii0698**
ISC	**III**	**04 02 35 34.8**±.62	**43.77N**±.038	**147.90E**±.062	**49**±5.7	**4.6b,**3.8s	**156**	**1-152**
JMA	III	04 02 35 35.5±.5	43.74N±.04	147.64E±.05	14	4.3		**¶97iii0753**
BJI	III	04 02 35 36.3	44.22N	147.68E	52	4.4s		
MOS	III	04 02 35 36.5	44.0N	147.7E	60	5.1b		
SKHL	III	04 02 35 37.0	44.0N±.10	147.8E±.20	57±1			
NEIC	III	04 02 35 37.3	43.97N	147.73E	66	4.8b		
EIDC	III	04 02 35 38.7	44.0N	147.6E	66	4.1b		
SKHL	K10.5							
JMA	**III**	**04 07 50 32.4**±.4	**43.37N**±.02	**146.74E**±.04	**50**±3	**2.9**		**¶97iii0807**
JMA	**III**	**04 10 39 02.6**±.4	**43.83N**±.03	**147.68E**±.03	**46**	**3.1**		**¶97iii0831**
ISC	**III**	**04 14 21 05**±3.8	**44.3N**±.30	**146.1E**±.40	**126**		**10**	**1-3**
JMA	III	04 14 21 05.1±.4	44.24N±.03	146.04E±.04	126±3			**¶97iii0859**
JMA	**III**	**05 19 37 39.8**±.3	**44.06N**±.04	**148.15E**±.04	**49**	**3.7**		**¶97iii1120**
JMA	**III**	**05 22 00 12.3**±.4	**43.68N**±.05	**147.25E**±.04	**42**	**2.8**		**¶97iii1136**
JMA	**III**	**06 11 39 15.6**±.2	**43.14N**±.02	**146.86E**±.02	**65**±3			**¶97iii1263**
JMA	**III**	**06 15 11 38.7**±.4	**43.81N**±.04	**147.85E**±.04	**0**	**2.9**		**¶97iii1298**
JMA	**III**	**06 20 06 40.6**±.4	**44.10N**±.06	**147.15E**±.05	**145**			**¶97iii1343**
ISC	**III**	**07 00 07 16**±1.1	**47.2N**±.25	**153.2E**±.39	**100**	**3.6b**	**5**	**15-77**
EIDC	III	07 00 07 18.1	47.1N	153.2E	109	3.4b		**¶97iii1379**
JMA	**III**	**07 00 23 13.9**±.2	**43.27N**±.02	**146.74E**±.02	**62**±3			**¶97iii1384**
ISC	**III**	**07 03 32 12**±8.7	**45.8N**±.11	**150.6E**±.26	**3**±51	**4.0b**	**37**	**4-150**
JMA	III	07 03 32 15.5±.6	44.45N±.08	150.84E±.07	12	3.9		**¶97iii1421**
MOS	III	07 03 32 16.3	45.8N	151.2E	33	5.1b		
NEIC	III	07 03 32 17.1	45.90N	150.36E	33	4.0b		
EIDC	III	07 03 32 18.1	45.7N	150.1E	27	3.8b		
NEIC		Less reliable solution.						
JMA	**III**	**07 17 40 33.7**±.3	**43.75N**±.03	**147.93E**±.03	**23**	**3.2**		**¶97iii1561**
JMA	**III**	**07 18 22 17.2**±.3	**43.64N**±.02	**147.01E**±.03	**40**	**2.9**		**¶97iii1570**
JMA	**III**	**08 10 02 34.2**±.6	**43.34N**±.03	**146.77E**±.05	**43**	**3.3**		**¶97iii1729**
JMA	**III**	**08 14 53 29.1**±.3	**43.67N**±.03	**147.36E**±.03	**42**	**3.3**		**¶97iii1771**
JMA	**III**	**08 16 05 03.2**±.5	**43.35N**±.03	**147.12E**±.04	**34**	**3.5**		**¶97iii1788**
JMA	**III**	**08 18 11 38.9**±.2	**43.39N**±.01	**146.99E**±.02	**74**±3			**¶97iii1809**
ISC	**III**	**08 23 00 05**±1.3	**48.35N**±.094	**153.1E**±.13	**148**±12	**4.2b**	**74**	**3-90**
BJI	III	08 23 00 04.4	48.27N	152.92E	158			**¶97iii1853**
MOS	III	08 23 00 05.3	48.3N	153.2E	159	4.6b		
NEIC	III	08 23 00 05.8	48.37N	153.23E	160	4.4b		
EIDC	III	08 23 00 06.9	48.4N	153.0E	157	3.8b		
JMA	**III**	**09 01 06 24.6**±.4	**43.54N**±.02	**146.70E**±.04	**45**±4	**3.1**		**¶97iii1874**
ISC	**III**	**09 05 31 03**±3.9	**43.9N**±.75	**148.0E**±.45	**33**	**3.6b**	**6**	**41-79**
EIDC	III	09 05 30 59.9	44.1N	147.6E	0	3.7b		**¶97iii1910**
JMA	**III**	**09 20 38 47.5**±.3	**43.26N**±.02	**146.95E**±.03	**51**±5	**2.8**		**¶97iii2080**
JMA	**III**	**09 20 55 54.0**±.0	**43.28N**±.01	**147.25E**±.00	**66**±1			**¶97iii2084**
JMA	**III**	**09 20 56 36.3**±.3	**43.58N**±.02	**147.22E**±.02	**48**	**2.9**		**¶97iii2085**
JMA	**III**	**09 21 03 41.0**±.5	**43.89N**±.04	**147.70E**±.04	**5**	**2.9**		**¶97iii2089**
JMA	**III**	**09 22 15 34.8**±.3	**43.82N**±.04	**147.09E**±.03	**58**	**2.8**		**¶97iii2098**
ISC	**III**	**10 02 13 40.1**±.76	**45.32N**±.053	**150.21E**±.084	**125**±7.3	**4.4b**	**139**	**2-151**
SKHL	III	10 02 13 40.0	45.7N±.10	150.2E±.10	100±10			**¶97iii2131**
BJI	III	10 02 13 41.7	46.20N	149.90E	114			
MOS	III	10 02 13 42.3	45.7N	150.1E	133	4.5b		
NEIC	III	10 02 13 43.3	45.70N	150.09E	140	4.4b		
JMA	III	10 02 13 44.3±.4	44.82N±.02	150.05E±.04	160			
EIDC	III	10 02 13 44.7	45.7N	150.1E	140	4.0b		
ISC	**III**	**11 00 22 52**±8.7	**43.5N**±.19	**146.9E**±.85	**19**		**10**	**1-3**
JMA	III	11 00 22 44.3±.5	43.48N±.03	147.53E±.04	19	2.9		**¶97iii2289**
JMA	**III**	**11 10 21 45.2**±.3	**43.58N**±.03	**147.37E**±.03	**44**	**2.8**		**¶97iii2356**
JMA	**III**	**11 10 47 02.3**±.3	**43.75N**±.02	**147.25E**±.03	**65**			**¶97iii2361**
JMA	**III**	**11 10 55 24.2**±.3	**43.15N**±.02	**147.07E**±.03	**53**	**3.0**		**¶97iii2363**
JMA	**III**	**11 11 39 28.5**±.3	**43.12N**±.02	**147.01E**±.03	**66**			**¶97iii2370**
JMA	**III**	**11 22 17 50.5**±.4	**43.85N**±.03	**147.84E**±.04	**9**	**3.2**		**¶97iii2449**
JMA	**III**	**12 04 14 14.0**±.3	**43.15N**±.02	**146.46E**±.03	**58**±3	**2.9**		**¶97iii2478**
JMA	**III**	**12 09 05 43.7**±.3	**44.04N**±.03	**146.94E**±.04	**73**			**¶97iii2501**
ISC	**III**	**12 10 06 36**±5.6	**43.4N**±.24	**146.3E**±.64	**74**		**7**	**0-2**
JMA	III	12 10 06 36.2±.4	43.45N±.03	146.33E±.04	74±3			**¶97iii2511**
ISC	**III**	**13 02 22 06**±3.4	**47.0N**±.32	**150.4E**±.30	**224**±44	**3.6b**	**10**	**9-79**
EIDC	III	13 02 22 07.1	46.9N	150.5E	225	3.4b		**¶97iii2626**
NEIC	III	13 02 22 07.5	46.86N	150.32E	250	3.9b		
NEIC		Less reliable solution.						
ISC	**III**	**13 13 07 31**±1.9	**49.17N**±.060	**156.13E**±.087	**20**±13	**4.4b,3.9s**	**111**	**1-146**
SKHL	III	13 13 07 28.0	49.0N±.16	156.7E±.26	20±1			**¶97iii2709**
BJI	III	13 13 07 32.7	49.26N	156.05E	44	4.7b,4.4s		
MOS	III	13 13 07 32.9	49.2N	156.2E	36	5.0b		
NEIC	III	13 13 07 34.2	49.15N	156.12E	46	4.6b		
EIDC	III	13 13 07 35.7	49.2N	156.1E	47	3.9b,3.8s		
SKHL	K10.5							
ISC	**III**	**13 13 39 20**±4.9	**44.4N**±.32	**146.6E**±.53	**160**		**18**	**1-7**
JMA	III	13 13 39 20.6±.4	44.31N±.04	146.52E±.06	160			**¶97iii2712**
ISC	**III**	**13 16 55 00**±1.9	**46.50N**±.061	**153.46E**±.075	**29**±13	**4.7b,4.5s**	**126**	**4-115**
BJI	III	13 16 54 59.9	46.66N	153.18E	24	4.9b,4.4s		**¶97iii2739**
SKHL	III	13 16 55 00.0	46.5N±.16	153.5E±.24	10			
NEIC	III	13 16 55 00.4	46.51N	153.40E	33	4.8b,4.5s		
MOS	III	13 16 55 00.6	46.6N	153.4E	33	4.9b		
EIDC	III	13 16 55 06.4	46.7N	153.2E	70	4.0b		
SKHL	K10.5							
ISC	**III**	**13 17 03 59**±2.7	**46.38N**±.081	**153.6E**±.11	**32**±18	**4.1b,4.4s**	**46**	**4-79**
SKHL	III	13 17 03 58.0	46.3N±.16	153.8E±.21	24			**¶97iii2740**
BJI	III	13 17 03 58.5	46.53N	153.62E	34	4.7b,4.4s		
MOS	III	13 17 03 59.1	46.3N	153.7E	33	4.7b		
NEIC	III	13 17 03 59.5	46.41N	153.57E	33	4.2b		
EIDC	III	13 17 04 04.3	46.4N	153.5E	57	3.8b,3.6L		

SKHL K10
NEIC Less reliable solution.
JMA III 13 17 24 25.4±.4 **43.89N**±.04 **147.89E**±.04 **11** **2.8** **¶97iii2743**
ISC III 13 18 46 02±5.3 **43.2N**±.21 **146.3E**±.58 **76** **9 0-3**
JMA III 13 18 46 01.1±.2 43.15N±.02 146.32E±.02 76±2 **¶97iii2751**
JMA III 13 21 07 04.8±.3 **43.61N**±.02 **147.48E**±.04 **75**±4 **¶97iii2766**
JMA III 14 05 05 53.6±.3 **43.56N**±.03 **147.46E**±.03 **45** **2.8** **¶97iii2814**
JMA III 14 06 55 56.9±.4 **43.58N**±.06 **147.90E**±.04 **42** **3.0** **¶97iii2826**
JMA III 14 09 19 00.3±.3 **44.16N**±.03 **147.18E**±.03 **70** **¶97iii2842**
ISC III 14 10 37 36±8.8 **44.2N**±.41 **147.0E**±.92 **125** **8 1-3**
JMA III 14 10 37 35.9±.4 44.16N±.04 147.05E±.05 125 **¶97iii2858**
JMA III 14 12 28 31.2±.2 **43.13N**±.02 **146.70E**±.02 **54**±3 **3.0** **¶97iii2875**
JMA III 14 20 49 58.9±.5 **43.13N**±.03 **146.20E**±.03 **80**±4 **¶97iii2947**
JMA III 15 12 41 46.5±.2 **43.70N**±.01 **147.34E**±.01 **36**±3 **3.2** **¶97iii3053**
ISC III 15 17 03 05±5.6 **43.5N**±.23 **146.3E**±.68 **92** **8 0-2**
JMA III 15 17 03 05.1±.2 43.47N±.02 146.26E±.02 92±2 **¶97iii3079**
ISC III 15 17 18 57.0±.53 **43.57N**±.030 **147.37E**±.055 **60**±4.5 **4.7b** **206 1-149**
BJI III 15 17 18 51.2 43.65N 147.95E 38 4.7b **¶97iii3081**
NEIC III 15 17 18 54.6 43.80N 147.16E 33 4.9b
MOS III 15 17 18 55.1 43.8N 147.1E 33 5.3b
EIDC III 15 17 18 58.5 43.9N 147.1E 52 4.2b,3.8s
SKHL III 15 17 18 59.0 43.9N±.08 147.2E±.13 62±5
JMA III 15 17 18 59.4±.4 43.59N±.02 147.15E±.04 51 4.4
NEIC Felt I=IV MM on Shikotan.
MOS Felt I=IV MSK at Malokurilsk.
SKHL K10.5 Felt I=IV MSK at Malokurilsk
ISC III 16 00 24 00±5.0 **44.9N**±.38 **146.2E**±.51 **208** **10 2-4**
JMA III 16 00 24 00.9±.5 44.84N±.04 146.21E±.06 208 **¶97iii3139**
KRSC III 16 04 29 09.5 **50.04N** **156.71E** **10** **3.8b** **¶97iii3166**
JMA III 16 09 08 59.7±.3 **43.76N**±.03 **147.37E**±.03 **32** **3.1** **¶97iii3202**
JMA III 16 16 56 46.9±.3 **43.65N**±.03 **147.44E**±.03 **64** **¶97iii3246**
JMA III 16 17 29 15.6±.5 **43.44N**±.03 **146.92E**±.04 **47** **3.0** **¶97iii3247**
JMA III 16 19 34 27.2±.5 **43.15N**±.02 **146.69E**±.04 **56** **2.9** **¶97iii3261**
JMA III 17 00 27 41.3±.3 **43.62N**±.03 **146.70E**±.03 **90**±3 **¶97iii3292**
JMA III 17 03 05 03.3±.3 **43.87N**±.02 **147.58E**±.03 **5** **3.0** **¶97iii3311**
ISC III 17 14 55 13±7.9 **43.4N**±.14 **146.1E**±.71 **103**±42 **16 0-4**
JMA III 17 14 55 14.8±.2 43.38N±.01 145.91E±.02 90±2 **¶97iii3391**
JMA III 17 17 38 36.6±.3 **43.19N**±.02 **146.42E**±.02 **47**±2 **2.8** **¶97iii3411**
JMA III 17 18 49 54.3±.5 **44.55N**±.07 **147.81E**±.08 **160** **¶97iii3420**
ISC III 17 22 31 17±1.4 **44.0N**±.12 **149.0E**±.16 **50** 3.3b **29 2-55**
JMA III 17 22 31 16.1±1.0 44.31N±.08 149.26E±.12 50 3.8 **¶97iii3445**
JMA III 17 22 40 49.1±.3 **43.63N**±.04 **147.28E**±.03 **48** **3.0** **¶97iii3447**
ISC III 18 11 14 14±5.7 **43.4N**±.38 **146.4E**±.68 **79** **5 0-2**
JMA III 18 11 14 14.0±.4 43.40N±.03 146.36E±.03 79±3 **¶97iii3523**
JMA III 19 09 30 20.9±.3 **43.96N**±.04 **147.98E**±.03 **7** **3.1** **¶97iii3677**
ISC III 19 22 51 03±2.1 **43.12N**±.055 **147.3E**±.21 **55**±19 **3.7b** **52 1-83**
JMA III 19 22 51 05.4±.4 43.20N±.02 146.99E±.03 44 3.8 **¶97iii3778**
NEIC III 19 22 51 05.6 43.41N 147.07E 69
EIDC III 19 22 51 07.3 43.4N 146.9E 67 3.4b
NEIC Less reliable solution.
ISC III 20 09 16 28±5.5 **43.3N**±.21 **146.3E**±.61 **73** **8 0-2**
JMA III 20 09 16 27.7±.3 43.31N±.02 146.31E±.02 73±2 **¶97iii3876**
ISC III 20 11 27 17.8±.78 **48.2N**±.21 **155.3E**±.29 **33** **3.4b** **8 23-82**
EIDC III 20 11 27 14.4 48.3N 155.3E 0 3.4b **¶97iii3890**
NEIC III 20 11 27 17.6 48.17N 155.35E 33
NEIC Poor solution.
JMA III 20 14 56 28.7±.5 **44.04N**±.06 **148.44E**±.05 **0** **3.2** **¶97iii3910**
JMA III 20 18 21 40.9±.3 **44.09N**±.03 **148.29E**±.04 **34** **3.7** **¶97iii3936**
ISC III 21 01 11 02±4.7 **49.4N**±.18 **153.6E**±.27 **189**±46 **3.5b** **12 17-76**
NEIC III 21 01 10 58.1 49.37N 153.74E 150 **¶97iii3978**
EIDC III 21 01 11 06.1 49.3N 153.5E 210 3.1b
NEIC Less reliable solution.
JMA III 21 16 10 35.6±.5 **44.47N**±.03 **148.73E**±.06 **155** **¶97iii4096**
JMA III 22 20 12 55.9±.3 **43.61N**±.02 **147.48E**±.03 **27** **3.0** **¶97iii4312**
EIDC III 22 21 58 05.9 **44.5N** **147.0E** **0** 3.7b,3.2L **10-64**
¶97iii4325
JMA III 23 00 18 15.2±.4 **43.80N**±.03 **147.42E**±.04 **45** **2.9** **¶97iii4348**
ISC III 23 02 30 30±9.2 **43.6N**±.20 **146.9E**±.90 **20** **10 1-3**
JMA III 23 02 30 22.6±.3 43.59N±.02 147.51E±.03 20±5 3.0 **¶97iii4367**
JMA III 23 02 45 32.7±.8 **44.22N**±.08 **149.75E**±.08 **6** **3.6** **¶97iii4370**
JMA III 23 11 39 26.8±.4 **44.07N**±.05 **148.17E**±.04 **1** **3.1** **¶97iii4436**
ISC III 23 17 20 41±4.4 **43.2N**±.27 **146.0E**±.49 **76** **8 0-2**
JMA III 23 17 20 40.6±.3 43.22N±.02 146.01E±.02 76±2 **¶97iii4465**
JMA III 24 07 26 59.4±.3 **43.10N**±.02 **146.38E**±.03 **42**±3 **2.8** **¶97iii4544**
JMA III 24 10 21 37.5±.3 **43.25N**±.02 **147.34E**±.03 **54** **3.7** **¶97iii4559**
ISC III 24 16 08 57±9.3 **43.1N**±.18 **146.3E**±.91 **54**±44 **13 0-4**
JMA III 24 16 08 55.5±.2 43.13N±.02 146.39E±.02 60±2 3.0 **¶97iii4584**
JMA III 25 00 36 20.0±.4 **43.04N**±.03 **146.96E**±.04 **63** **¶97iii4648**
JMA III 25 06 52 58.4±.4 **43.73N**±.03 **147.29E**±.04 **11**±5 **2.9** **¶97iii4689**
JMA III 25 07 28 03.1±.6 **43.32N**±.04 **146.93E**±.05 **43** **3.0** **¶97iii4693**
ISC III 25 07 38 36±5.7 **44.0N**±.82 **146.8E**±.69 **156** **6 1-3**
JMA III 25 07 38 35.6±.1 43.98N±.01 146.88E±.01 156±1 **¶97iii4694**
JMA III 25 11 53 02.6±.3 **43.19N**±.02 **147.24E**±.03 **62**±4 **¶97iii4719**
ISC III 25 12 09 59±2.6 **45.1N**±.31 **149.2E**±.29 **85** **4 1-7**
SKHL III 25 12 09 57.0 45.0N±.16 149.3E±.10 85±1 **¶97iii4723**
ISC Poorly determined
SKHL K10
ISC III 26 13 09 42±6.7 **43.36N**±.097 **146.2E**±.69 **63**±28 **21 0-5**
JMA III 26 13 09 43.9±.3 43.36N±.02 146.05E±.03 60±2 3.0 **¶97iii4970**
JMA III 26 19 48 17.3±.3 **43.34N**±.02 **147.70E**±.03 **43** **2.8** **¶97iii5064**
JMA III 27 04 15 08.7±.6 **43.62N**±.06 **147.58E**±.05 **24** **3.3** **¶97iii5140**
JMA III 28 04 33 03.1±.6 **43.74N**±.04 **147.42E**±.05 **4** **2.9** **¶97iii5361**
JMA III 28 10 11 28.0±.6 **43.77N**±.03 **147.30E**±.06 **103** **¶97iii5415**
JMA III 28 16 43 55.5±.3 **44.14N**±.03 **147.43E**±.04 **127** **¶97iii5460**
JMA III 28 21 39 08.7±.3 **43.60N**±.03 **147.25E**±.03 **47** **3.4** **¶97iii5488**
JMA III 29 06 08 05.5±.6 **43.71N**±.04 **147.22E**±.05 **21** **3.1** **¶97iii5545**
EIDC III 29 06 37 21.0 **47.9N** **153.2E** **700** **3.0b** **50-122**
¶97iii5549
JMA III 29 09 25 00.8±.4 **43.59N**±.02 **146.71E**±.04 **51**±4 **3.0** **¶97iii5567**
ISC III 29 13 24 18±6.8 **44.2N**±.24 **147.1E**±.74 **140** **17 1-6**
JMA III 29 13 24 20.6±.6 44.09N±.04 146.79E±.07 140 **¶97iii5594**
ISC III 29 17 00 34±6.0 **43.1N**±.30 **146.6E**±.64 **48**±59 3.0b **8 1-57**
JMA III 29 17 00 36.3±.2 43.15N±.01 146.30E±.02 51±2 3.1 **¶97iii5625**
JMA III 30 03 36 03.3±.2 **43.16N**±.01 **146.41E**±.02 **50**±2 **2.8** **¶97iii5686**
ISC III 30 05 00 10.1±.90 **44.22N**±.057 **149.57E**±.086 **37**±7.5 **4.3b**,4.2s **98 2-87**
SKHL III 30 05 00 10.0 44.3N±.07 149.6E±.12 31±8 **¶97iii5703**
JMA III 30 05 00 10.3±.6 44.11N±.07 149.89E±.07 45 4.2
MOS III 30 05 00 13.3 44.5N 149.4E 59 4.7b
BJI III 30 05 00 13.3 44.47N 149.55E 76 4.7b
NEIC III 30 05 00 14.7 44.40N 149.44E 74 4.4b
EIDC III 30 05 00 18.8 44.5N 149.3E 100 3.7b

SKHL K10
NEIC Less reliable solution.
JMA III 30 07 15 19.0±.5 **43.40N**±.03 **147.06E**±.05 **45** **3.0** **¶97iii5715**
JMA III 30 08 56 12.4±.3 **43.83N**±.03 **147.85E**±.03 **94** **¶97iii5730**
JMA III 30 15 40 30.0±.5 **43.67N**±.04 **147.71E**±.04 **35** **3.1** **¶97iii5771**
JMA III 31 11 25 16.8±.3 **43.79N**±.02 **147.17E**±.03 **53** **3.5** **¶97iii5880**
JMA III 31 21 07 02.6±.5 **44.09N**±.04 **147.80E**±.05 **87** **¶97iii5936**
ISC IV 01 01 10 44±1.7 **48.85N**±.092 **153.2E**±.13 **196**±16 **3.8b** **54 3-86**
BJI IV 01 01 10 40.5 48.73N 153.45E 186 4.2b **¶97iv0008**
NEIC IV 01 01 10 41.4 48.94N 153.19E 173 4.0b
SKHL IV 01 01 10 42.0 49.1N±.10 153.4E±.11 150±1
MOS IV 01 01 10 43.6 48.8N 153.3E 199 4.3b
EIDC IV 01 01 10 43.6 49.1N 153.1E 178 3.6b
ISC IV 01 07 12 50±4.3 **43.7N**±.26 **146.2E**±.51 **86** **7 0-2**
JMA IV 01 07 12 49.6±.3 43.68N±.02 146.28E±.03 86±3 **¶97iv0031**
JMA IV 01 23 05 48.2±.4 **43.25N**±.02 **146.32E**±.03 **46**±3 **2.8** **¶97iv0155**
JMA IV 02 01 23 17.5±.3 **43.53N**±.03 **146.35E**±.02 **82**±2 **¶97iv0170**
ISC IV 02 04 18 28±2.2 **44.8N**±.20 **149.2E**±.25 **92**±28 **3.7b** **33 3-81**
EIDC IV 02 04 18 17.7 44.8N 149.0E 0 3.9b **¶97iv0189**
NEIC IV 02 04 18 21.8 45.02N 148.98E 33 3.9b
JMA IV 02 04 18 25.4±.4 44.53N±.06 149.69E±.05 20 4.0
NEIC Poor solution.
JMA IV 02 05 22 16.8±.6 **44.23N**±.09 **148.94E**±.06 **0** **3.5** **¶97iv0192**
JMA IV 02 10 40 51.4±.5 **44.41N**±.04 **147.43E**±.07 **134** **¶97iv0234**
JMA IV 02 11 48 14.8±.6 **43.55N**±.04 **147.23E**±.05 **29** **2.8** **¶97iv0241**
ISC IV 02 17 51 04±1.2 **44.4N**±.28 **149.2E**±.21 **57** **3.3b** **28 3-81**
EIDC IV 02 17 51 01.0 44.3N 150.0E 0 3.3b **¶97iv0280**
JMA IV 02 17 51 04.8±.9 44.36N±.07 149.35E±.10 57 3.5
JMA IV 02 18 33 39.7±.4 **43.37N**±.03 **147.19E**±.03 **56** **3.1** **¶97iv0286**
KRSC IV 02 22 31 30.9 **49.80N** **156.91E** **20** **3.9b** **¶97iv0336**
JMA IV 02 22 42 25.0±.4 **43.78N**±.03 **147.21E**±.03 **65** **¶97iv0341**
ISC IV 03 07 39 32±8.6 **43.6N**±.24 **146.5E**±.90 **65** **7 1-2**
JMA IV 03 07 39 32.6±.4 43.56N±.02 146.42E±.03 65±3 **¶97iv0393**
JMA IV 03 11 05 54.6±.7 **44.02N**±.08 **148.38E**±.07 **28** **3.1** **¶97iv0418**
JMA IV 03 22 39 51.2±.4 **43.61N**±.03 **147.41E**±.04 **42** **2.8** **¶97iv0493**
JMA IV 03 23 18 21.3±.3 **43.58N**±.02 **147.26E**±.03 **39** **3.0** **¶97iv0500**
JMA IV 04 07 10 45.1±.4 **44.11N**±.03 **147.60E**±.05 **123** **¶97iv0561**
ISC IV 04 07 35 28±5.3 **45.47N**±.096 **151.9E**±.13 **1**±32 **4.2b**,3.9s **59 5-79**
BJI IV 04 07 35 32.8 45.47N 151.88E 34 4.3b **¶97iv0567**
MOS IV 04 07 35 33.0 45.4N 152.1E 33 4.8b
NEIC IV 04 07 35 33.7 45.62N 151.93E 33 4.2b
JMA IV 04 07 35 34.4±.5 44.44N±.05 152.04E±.05 83
EIDC IV 04 07 35 39.8 45.6N 151.8E 76 3.6b
NEIC Less reliable solution.
ISC IV 04 08 40 14±6.3 **43.2N**±.26 **146.3E**±.67 **77** **7 0-2**
JMA IV 04 08 40 13.6±.3 43.15N±.02 146.35E±.03 77±2 **¶97iv0576**
ISC IV 04 14 00 14±5.7 **43.7N**±.19 **146.8E**±.53 **4** **10 1-3**
JMA IV 04 14 00 06.2±.4 43.72N±.03 147.51E±.03 4 2.9 **¶97iv0621**
JMA IV 04 17 10 30.2±.3 **43.73N**±.03 **147.36E**±.03 **28** **3.4** **¶97iv0637**
JMA IV 04 19 28 53.4±.4 **43.76N**±.03 **147.31E**±.04 **24** **3.2** **¶97iv0649**
JMA IV 05 03 28 34.7±.4 **43.36N**±.03 **146.77E**±.04 **47**±5 **3.0** **¶97iv0685**
JMA IV 05 07 01 16.7±.3 **43.60N**±.03 **147.29E**±.03 **34** **2.9** **¶97iv0718**
ISC IV 05 10 39 28±5.7 **47.2N**±.15 **153.4E**±.24 **37**±54 **3.7b** **12 16-77**
EIDC IV 05 10 39 25.5 47.3N 153.4E 0 3.7b,3.7L **¶97iv0753**
NEIC IV 05 10 39 28.0 47.24N 153.41E 33 3.8b
NEIC Less reliable solution.
ISC IV 05 11 29 23±2.0 **44.10N**±.066 **148.5E**±.19 **44**±18 **3.6b** **55 2-82**
NEIC IV 05 11 29 21.8 44.35N 148.23E 33 3.7b **¶97iv0761**
JMA IV 05 11 29 26.6±.5 44.08N±.04 148.08E±.06 41 4.0
EIDC IV 05 11 29 33.8 44.4N 148.1E 125 3.3b
NEIC Less reliable solution.
ISC IV 05 14 54 21±7.2 **43.3N**±.22 **146.6E**±.76 **72** **10 1-3**
JMA IV 05 14 54 21.8±.3 43.29N±.02 146.45E±.03 72±3 **¶97iv0792**
ISC IV 05 21 48 37±8.7 **44.2N**±.47 **147.2E**±.99 **137** **7 1-3**
JMA IV 05 21 48 37.3±.6 44.27N±.05 147.06E±.07 137 **¶97iv0862**
JMA IV 06 00 06 56.8±.4 **43.43N**±.02 **146.92E**±.03 **47** **2.8** **¶97iv0887**
JMA IV 06 08 15 11.9±.6 **44.35N**±.05 **147.64E**±.08 **134** **¶97iv0966**
ISC IV 06 09 14 24±3.1 **44.0N**±.20 **146.4E**±.36 **139** **14 1-5**
JMA IV 06 09 14 24.9±.4 43.98N±.03 146.39E±.04 139±3 **¶97iv0971**
JMA IV 06 09 43 32.6±.4 **43.30N**±.02 **146.85E**±.03 **44**±4 **3.7** **¶97iv0974**
ISC IV 06 10 23 44±1.9 **43.9N**±.30 **147.1E**±.30 **85** 3.5b **9 1-56**
JMA IV 06 10 23 36.0±.4 43.94N±.05 147.98E±.04 85 **¶97iv0978**
ISC IV 06 10 25 19±1.2 **47.8N**±.23 **152.6E**±.44 **33** **3.5b** **5 50-77**
EIDC IV 06 10 25 16.2 47.8N 152.6E 0 3.5b **¶97iv0979**
JMA IV 06 21 33 07.3±.5 **43.92N**±.03 **147.63E**±.05 **80** **¶97iv1060**
JMA IV 07 05 50 19.0±.3 **43.29N**±.02 **146.84E**±.03 **51**±3 **2.9** **¶97iv1109**
JMA IV 07 10 20 35.0±.4 **43.28N**±.02 **146.44E**±.04 **54**±3 **2.8** **¶97iv1136**
ISC IV 07 19 42 07±1.3 **44.4N**±.12 **146.2E**±.18 **141**±14 3.0b **28 1-56**
JMA IV 07 19 42 06.8±.4 44.40N±.03 146.26E±.05 141 **¶97iv1213**
ISC IV 08 11 57 32±2.4 **43.61N**±.059 **147.4E**±.25 **54**±25 **3.5b** **47 1-83**
EIDC IV 08 11 57 26.0 43.9N 146.8E 0 3.5b **¶97iv1328**
NEIC IV 08 11 57 29.7 43.92N 146.92E 33
JMA IV 08 11 57 34.5±.4 43.67N±.03 147.06E±.04 48 3.9
NEIC Less reliable solution.
JMA IV 08 14 16 08.6±.3 **43.94N**±.03 **147.67E**±.03 **52** **3.2** **¶97iv1344**
JMA IV 08 21 43 17.3±.1 **43.38N**±.01 **147.69E**±.01 **62**±4 **¶97iv1412**
ISC IV 09 01 06 21±6.3 **43.3N**±.32 **146.3E**±.76 **74** **7 0-2**
JMA IV 09 01 06 20.1±.4 43.28N±.02 146.32E±.03 74±3 **¶97iv1438**
ISC Poorly determined
JMA IV 09 07 44 43.9±.4 **43.09N**±.02 **146.94E**±.04 **53** **3.1** **¶97iv1479**
JMA IV 09 20 23 06.4±.5 **44.01N**±.04 **147.85E**±.05 **15** **3.2** **¶97iv1577**
JMA IV 10 21 25 22.9±.7 **44.45N**±.12 **149.46E**±.09 **1** **3.2** **¶97iv1751**
JMA IV 11 00 15 33.0±.6 **43.55N**±.05 **147.45E**±.05 **26** **3.2** **¶97iv1765**
ISC IV 11 05 24 33.8±.64 **45.73N**±.036 **151.02E**±.060 **70**±6.1 **4.3b** **168 2-150**
BJI IV 11 05 24 31.9 45.84N 151.11E 65 4.3b **¶97iv1808**
NEIC IV 11 05 24 33.0 45.92N 150.90E 58 4.6b
MOS IV 11 05 24 33.1 45.8N 151.1E 60 4.9b
JMA IV 11 05 24 33.7±.6 45.17N±.08 151.77E±.07 54 5.0
EIDC IV 11 05 24 34.6 45.8N 151.1E 57 4.1b
SKHL IV 11 05 24 35.0 45.9N±.10 151.1E±.10 59±5
JMA IV 11 09 11 13.4±.4 **43.48N**±.03 **147.72E**±.03 **11**±5 **2.8** **¶97iv1849**
JMA IV 12 09 19 31.7±.5 **44.72N**±.06 **146.22E**±.06 **167** **¶97iv2045**
ISC IV 12 13 34 20±2.6 **44.5N**±.12 **149.9E**±.26 **85**±27 **3.6b** **36 3-81**
JMA IV 12 13 34 18.4±.9 44.84N±.09 150.08E±.10 56 3.7 **¶97iv2074**
EIDC IV 12 13 34 53.4 45.9N 150.1E 319 3.0b
JMA IV 13 02 46 15.4±.5 **43.29N**±.04 **147.20E**±.04 **59** **3.0** **¶97iv2174**
ISC IV 13 03 11 23±5.1 **49.1N**±.17 **154.9E**±.17 **151**±54 **3.7b** **17 17-77**
NEIC IV 13 03 11 17.8 49.14N 154.95E 100 3.2b **¶97iv2177**
EIDC IV 13 03 11 25.8 49.1N 154.7E 166 3.3b
NEIC Less reliable solution.

Agency	Origin Time mo	d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**13 04 17 55**±2.0	**45.6N**±.11	**149.2E**±.31	**235**±19	**3.4b**	**36**	**3-70**
JMA	IV	13 04 17 58.7±.6	45.38N±.04	148.94E±.08	219			**¶97iv2188**
EIDC	IV	13 04 18 10.7	46.4N	148.5E	335	3.1b		
ISC	**IV**	**13 05 27 36**±1.8	**44.1N**±.29	**148.9E**±.25	**0**	3.0b	**14**	**2-55**
JMA	IV	13 05 27 44.8±.5	43.88N±.05	148.05E±.05	0	3.4		**¶97iv2193**
ISC	**IV**	**13 05 52 13**±12	**43.8N**±.30	**146.2E**±.96	**121**±64		**12**	**1-3**
JMA	IV	13 05 52 13.1±.4	43.77N±.03	146.22E±.04	121±3			**¶97iv2197**
JMA	**IV**	**13 07 37 04.5**±.3	**43.30N**±.02	**146.63E**±.03	**52**±3	**3.1**		**¶97iv2207**
JMA	**IV**	**13 17 13 46.6**±.3	**43.79N**±.02	**147.36E**±.03	**36**	**3.3**		**¶97iv2271**
ISC	**IV**	**13 17 29 53**±1.6	**43.9N**±.17	**147.1E**±.19	**34**	2.8b	**15**	**1-56**
JMA	IV	13 17 29 48.7±.3	43.80N±.02	147.43E±.03	34	3.1		**¶97iv2274**
JMA	**IV**	**13 22 27 18.3**±.2	**44.17N**±.06	**147.24E**±.04	**158**			**¶97iv2312**
ISC	**IV**	**14 00 29 58**±1.7	**43.2N**±.16	**147.6E**±.17	**52**	2.9b	**26**	**1-56**
JMA	IV	14 00 30 02.6±.3	43.35N±.02	147.12E±.03	52	3.4		**¶97iv2350**
JMA	**IV**	**14 00 32 50.9**±.4	**43.39N**±.04	**146.79E**±.04	**52**	**3.1**		**¶97iv2351**
JMA	**IV**	**14 03 10 49.0**±.2	**43.17N**±.02	**147.55E**±.02	**43**	**3.6**		**¶97iv2375**
JMA	**IV**	**14 09 25 37.3**±.5	**43.35N**±.03	**146.68E**±.04	**48**±5	**2.9**		**¶97iv2431**
JMA	**IV**	**15 00 02 04.2**±.4	**43.25N**±.06	**147.33E**±.03	**63**			**¶97iv2528**
ISC	**IV**	**15 13 58 38.0**±.93	**46.6N**±.16	**153.0E**±.17	**33**	**3.7b**	**14**	**19-78**
EIDC	IV	15 13 58 36.5	46.5N	153.2E	12	3.6b,3.8L		**¶97iv2608**
NEIC	IV	15 13 58 37.7	46.56N	152.98E	33	3.3b		
NEIC	Less reliable solution.							
JMA	**IV**	**15 14 40 54.1**±.4	**43.60N**±.03	**147.41E**±.03	**20**	**3.3**		**¶97iv2616**
ISC	**IV**	**16 06 21 35.9**±.61	**44.38N**±.036	**148.35E**±.063	**61**±5.6	**4.5b**	**150**	**1-153**
EIDC	IV	16 06 21 29.8	44.6N	148.2E	0	4.2b,4.1L		**¶97iv2707**
BJI	IV	16 06 21 32.8	44.44N	148.64E	47	4.7b		
NEIC	IV	16 06 21 33.2	44.62N	148.10E	33	4.7b		
MOS	IV	16 06 21 33.4	44.4N	148.5E	33	4.6b		
SKHL	IV	16 06 21 36.0	44.5N±.10	148.3E±.10	30±1			
JMA	IV	16 06 21 36.4±.5	44.11N±.04	148.08E±.06	4	4.3		
SKHL	K10							
ISC	**IV**	**16 09 30 36**±6.2	**44.1N**±.41	**146.4E**±.55	**99**		**8**	**1-3**
JMA	IV	16 09 30 36.4±.4	43.99N±.03	146.32E±.04	99			**¶97iv2734**
JMA	**IV**	**16 11 34 12.5**±.3	**43.97N**±.04	**147.91E**±.03	**3**	**2.9**		**¶97iv2750**
JMA	**IV**	**16 15 15 40.6**±.3	**43.58N**±.02	**146.82E**±.03	**39**±3	**3.0**		**¶97iv2780**
JMA	**IV**	**16 17 31 13.8**±.3	**43.82N**±.02	**147.61E**±.03	**15**	**3.3**		**¶97iv2792**
JMA	**IV**	**16 22 02 10.1**±.4	**44.02N**±.05	**147.96E**±.05	**92**			**¶97iv2814**
ISC	**IV**	**17 07 08 15**±1.4	**44.1N**±.12	**149.0E**±.16	**19**	3.3b	**30**	**2-55**
JMA	IV	17 07 08 22.0±.6	43.86N±.06	148.24E±.06	19	3.8		**¶97iv2865**
ISC	**IV**	**17 13 14 34**±8.6	**43.6N**±.21	**146.4E**±.92	**69**		**8**	**1-2**
JMA	IV	17 13 14 33.8±.4	43.56N±.02	146.44E±.04	69±3			**¶97iv2908**
JMA	**IV**	**17 13 53 37.6**±.5	**43.67N**±.03	**146.99E**±.04	**37**	**2.9**		**¶97iv2915**
JMA	**IV**	**17 17 53 17.9**±.4	**43.46N**±.05	**146.42E**±.03	**76**			**¶97iv2948**
JMA	**IV**	**17 19 55 14.0**±.5	**44.55N**±.05	**147.68E**±.07	**159**			**¶97iv2964**
ISC	**IV**	**18 01 25 59**±2.6	**44.0N**±.21	**149.5E**±.24	**55**±26	**3.9b**	**42**	**3-81**
JMA	IV	18 01 25 57.2±.8	44.10N±.10	149.90E±.09	55	3.7		**¶97iv3006**
NEIC	IV	18 01 25 59.4	44.63N	149.40E	33	4.2b		
EIDC	IV	18 01 26 00.7	44.4N	149.2E	33	3.7b		
NEIC	Poor solution.							
JMA	**IV**	**18 08 55 24.2**±.3	**43.21N**±.03	**146.68E**±.03	**60**±3	**2.4**		**¶97iv3045**
ISC	**IV**	**18 12 39 54.3**±.95	**49.36N**±.095	**155.7E**±.11	**84**±7.8	**3.9b**	**40**	**1-147**
NEIC	IV	18 12 39 48.2	49.28N	155.62E	33	4.2b		**¶97iv3074**
KRSC	IV	18 12 39 52.5	48.98N	156.54E	40	4.4b		
EIDC	IV	18 12 39 53.3	49.2N	155.6E	67	3.7b		
SKHL	IV	18 12 39 54.0	49.2N±.10	155.8E±.10	80			
MOS	IV	18 12 39 59.9	49.9N	155.5E	107	4.3b		
NEIC	Less reliable solution.							
SKHL	K10							
JMA	**IV**	**19 04 51 43.0**±.3	**43.10N**±.02	**146.75E**±.03	**60**±4	**3.2**		**¶97iv3156**
JMA	**IV**	**19 08 49 20.6**±.4	**43.65N**±.03	**147.20E**±.04	**42**	**2.9**		**¶97iv3179**
JMA	**IV**	**19 11 08 57.2**±.4	**43.80N**±.03	**147.10E**±.04	**55**	**3.0**		**¶97iv3192**
ISC	**IV**	**19 12 05 18**±1.1	**47.3N**±.33	**150.3E**±.36	**445**±21	**3.0b**	**39**	**5-79**
NEIC	IV	19 12 04 47.0	50.43N	147.96E	10	3.3b		**¶97iv3195**
EIDC	IV	19 12 04 50.5	50.5N	147.6E	11	3.3b,4.2L		
NEIC	Poor solution.							
ISC	**IV**	**20 06 15 30**±1.5	**45.00N**±.068	**150.1E**±.15	**77**±15	**3.8b**	**63**	**2-150**
NEIC	IV	20 06 15 24.9	45.13N	149.76E	33	4.2b		**¶97iv3281**
MOS	IV	20 06 15 25.3	45.0N	150.2E	33	5.0b		
EIDC	IV	20 06 15 25.3	45.2N	149.8E	22	3.9b		
SKHL	IV	20 06 15 28.0	45.0N±.11	150.4E±.09	47±2			
JMA	IV	20 06 15 30.6±.9	44.92N±.08	150.34E±.10	58	4.0		
NEIC	Less reliable solution.							
SKHL	K10							
JMA	**IV**	**20 09 38 38.4**±.3	**43.42N**±.02	**147.36E**±.03	**65**			**¶97iv3295**
JMA	**IV**	**21 06 48 12.4**±.4	**43.91N**±.04	**147.07E**±.03	**101**			**¶97iv3418**
ISC	**IV**	**21 12 01 35**±7.6	**43.4N**±.23	**146.9E**±.81	**81**		**9**	**1-3**
JMA	IV	21 12 01 37.0±.2	43.39N±.02	146.63E±.03	81±2			**¶97iv3459**
JMA	**IV**	**21 14 15 12.3**±.3	**43.62N**±.03	**147.30E**±.03	**39**	**2.8**		**¶97iv3499**
ISC	**IV**	**21 15 20 06**±5.5	**43.2N**±.31	**146.2E**±.62	**76**		**7**	**0-2**
JMA	IV	21 15 20 05.7±.5	43.20N±.03	146.25E±.04	76±4			**¶97iv3517**
ISC	**IV**	**21 21 27 29**±5.1	**43.3N**±.13	**146.4E**±.53	**42**±39		**29**	**0-7**
JMA	IV	21 21 27 22.8±.4	43.25N±.02	147.00E±.04	59	3.7		**¶97iv3586**
ISC	**IV**	**22 02 05 01**±1.6	**45.6N**±.40	**151.3E**±.33	**33**	**3.7b**	**6**	**19-79**
EIDC	IV	22 02 04 57.2	45.4N	151.5E	0	3.7b,4.0L		**¶97iv3621**
NEIC	IV	22 02 05 00.6	45.58N	151.27E	33	3.4b		
NEIC	Poor solution.							
ISC	**IV**	**22 04 30 05**±7.5	**43.2N**±.14	**147.2E**±.77	**58**		**26**	**1-8**
JMA	IV	22 04 30 09.5±.4	43.16N±.03	146.77E±.04	58±5	3.7		**¶97iv3640**
JMA	**IV**	**22 04 46 24.5**±.3	**43.64N**±.02	**147.25E**±.02	**49**	**2.8**		**¶97iv3642**
ISC	**IV**	**22 05 50 52**±1.4	**43.53N**±.087	**146.9E**±.15	**36**		**26**	**1-56**
JMA	IV	22 05 50 45.5±.4	43.78N±.03	147.41E±.04	36	3.6		**¶97iv3651**
ISC	**IV**	**22 17 21 52**±4.5	**45.8N**±.88	**150.5E**±.37	**33**	**3.7b**	**6**	**26-80**
EIDC	IV	22 17 21 46.3	45.4N	150.4E	0	3.8b		**¶97iv3794**
JMA	**IV**	**23 13 47 23.9**±.4	**43.18N**±.03	**146.67E**±.04	**60**±4	**3.1**		**¶97iv3969**
ISC	**IV**	**24 12 57 02**±8.9	**43.2N**±.26	**146.3E**±.88	**49**		**8**	**0-2**
JMA	IV	24 12 57 01.3±.2	43.15N±.01	146.29E±.02	49±2	3.5		**¶97iv4148**
ISC	**IV**	**25 02 50 58.7**±.21	**46.12N**±.036	**152.96E**±.042	**29**	**4.8b,5.2s**	**326**	**4-148**
EIDC	IV	25 02 50 55.1	46.3N	152.9E	0	4.5b,4.7s		**¶97iv4261**
JMA	IV	25 02 50 55.8±.6	45.40N±.08	153.61E±.06	0	5.5		
SKHL	IV	25 02 50 56.0	46.0N±.15	153.2E±.20	29±3			
BJI	IV	25 02 50 57.6	46.35N	152.76E	21	5.0b,5.2s		
NEIC	IV	25 02 50 58.4	46.00N	153.07E	33	5.0b,5.1s		
MOS	IV	25 02 50 59.9	46.4N	152.9E	33	5.3b,5.6s		
HRVD	IV	25 02 51 01.2±.3	46.19N±.03	152.84E±.06	16±2.1			
SKHL	K11							
NEIC	Mw5.6(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c52; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.75±.06; $M_{\theta\theta}$−0.76±.06; $M_{\phi\phi}$−0.99±.08; $M_{r\theta}$1.20±.25; $M_{r\phi}$1.13±.25; $M_{\theta\phi}$−1.02±.07. Principal Axes: T 2.39,Plg69°,Azm320°; N 0.14, Plg3°,Azm224°; P −2.53,Plg21°,Azm133°. Best double couple: $M_0$2.5×10^{17}Nm, NP1: ϕ_S218°,δ24°,λ84°. NP2:ϕ_S45°,δ66°,λ93°.

ISC	**IV**	**25 02 55 29**±1.6	**46.0N**±.11	**153.1E**±.14	**41**±14	**3.9b**	**28**	**4-148**
NEIC	IV	25 02 55 27.9	46.05N	153.05E	33	4.5b		**¶97iv4264**
SKHL	IV	25 02 55 29.0	46.1N±.03	153.1E±.04	28±1			
MOS	IV	25 02 55 30.1	45.9N	153.0E	57	4.7b		
EIDC	IV	25 02 55 33.0	46.1N	153.0E	62	3.6b		
NEIC	Less reliable solution.							
SKHL	K10							
ISC	**IV**	**25 03 32 03**±3.1	**46.15N**±.094	**153.1E**±.10	**26**±22	**4.0b**	**44**	**4-148**
SKHL	IV	25 03 32 02.0	46.0N±.10	153.2E±.10	30±1			**¶97iv4273**
BJI	IV	25 03 32 03.3	47.16N	152.73E	13	4.2b		
NEIC	IV	25 03 32 03.3	46.20N	153.07E	33	4.2b		
MOS	IV	25 03 32 03.5	46.1N	153.3E	33	5.1b		
EIDC	IV	25 03 32 07.7	46.2N	153.0E	56	3.7b		
SKHL	K10							
ISC	**IV**	**25 05 20 03.7**±.84	**46.1N**±.13	**153.1E**±.23	**33**	**3.8b**	**12**	**21-79**
EIDC	IV	25 05 19 59.8	46.1N	153.4E	0	3.8b		**¶97iv4289**
NEIC	IV	25 05 20 03.3	46.14N	153.22E	33	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 05 37 40.1**±.14	**46.12N**±.025	**153.00E**±.030	**31**	**5.4b,5.6s**	**634**	**4-154**
EIDC	IV	25 05 37 36.1	46.2N	152.9E	0	4.9b,4.9s		**¶97iv4292**
JMA	IV	25 05 37 36.8±.7	45.61N±.11	153.51E±.09	0	5.8		
SKHL	IV	25 05 37 38.0	46.0N±.15	153.1E±.15	31			
BJI	IV	25 05 37 38.4	46.35N	152.67E	13	5.5b,5.7s		
MOS	IV	25 05 37 38.7	46.4N	153.1E	15	6.1b,6.1s		
NEIC	IV	25 05 37 40.1	46.15N	153.11E	33	5.5b,5.5s		
HRVD	IV	25 05 37 42.7±.2	46.27N±.02	153.02E±.03	15			
SKHL	K12.5							
NEIC	Mw5.9(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c77; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}4.93±.08; $M_{\theta\theta}$−1.51±.09; $M_{\phi\phi}$−3.41±.10; $M_{r\theta}$2.86±.26; $M_{r\phi}$4.39±.30; $M_{\theta\phi}$−2.16±.09. Principal Axes: T 7.20,Plg66°,Azm303°; N −0.10, Plg0°,Azm33°; P −7.10,Plg24°,Azm123°. Best double couple: $M_0$7.2×10^{17}Nm, NP1:ϕ_S213°, δ21°,λ90°. NP2:ϕ_S33°,δ69°,λ90°.

ISC	**IV**	**25 05 41 48**±1.1	**46.18N**±.067	**152.88E**±.065	**36**±9.7	**4.7b,5.6s**	**121**	**4-149**
BJI	IV	25 05 41 46.4	46.14N	152.29E	5	5.0b,5.6s		**¶97iv4293**
MOS	IV	25 05 41 46.8	46.2N	152.8E	33	5.1b		
SKHL	IV	25 05 41 47.0	46.0N±.10	153.1E±.15	30±1			
NEIC	IV	25 05 41 47.1	46.21N	152.82E	33	5.0b		
EIDC	IV	25 05 41 50.5	46.3N	152.7E	46	4.2b,4.3L		
SKHL	K10.5							
ISC	**IV**	**25 05 51 02**±1.4	**46.15N**±.053	**153.03E**±.055	**15**±11	**4.8b,5.4s**	**172**	**4-149**
EIDC	IV	25 05 51 02.0	46.3N	152.8E	8	4.3b,4.1L		**¶97iv4294**
NEIC	IV	25 05 51 04.0	46.16N	152.97E	33	5.0b		
SKHL	IV	25 05 51 04.0	46.2N±.15	153.1E±.20	30±2			
BJI	IV	25 05 51 04.1	46.61N	152.84E	27	5.0b,5.6s		
MOS	IV	25 05 51 04.3	46.4N	153.0E	24	5.3b		
SKHL	K10							
ISC	**IV**	**25 06 04 17**±2.9	**46.2N**±.13	**153.1E**±.14	**35**±25	**3.9b**	**34**	**7-85**
NEIC	IV	25 06 04 16.1	46.28N	152.88E	33	4.3b		**¶97iv4295**
BJI	IV	25 06 04 16.6	45.92N	152.98E	34	4.6b		
EIDC	IV	25 06 04 24.8	46.4N	152.7E	88	3.7b,3.8L		
MOS	IV	25 06 04 27.2	47.5N	152.5E	56	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 06 06 42**±2.1	**46.06N**±.071	**153.10E**±.094	**27**±15	**4.2b**	**75**	**4-149**
BJI	IV	25 06 06 42.9	46.38N	153.18E	40	4.7b		**¶97iv4297**
SKHL	IV	25 06 06 43.0	46.1N±.10	153.1E±.15	30			
NEIC	IV	25 06 06 43.5	46.20N	153.05E	33	4.6b		
MOS	IV	25 06 06 44.1	46.1N	153.2E	38	4.7b		
EIDC	IV	25 06 06 48.4	46.2N	152.9E	67	3.8b,4.4L		
SKHL	K10							
NEIC	Less reliable solution.							
JMA	**IV**	**25 06 25 17.0**±.3	**43.14N**±.02	**146.07E**±.03	**44**±2	**2.9**		**¶97iv4300**
JMA	**IV**	**25 14 07 22.7**±.3	**43.37N**±.02	**147.20E**±.03	**53**	**3.4**		**¶97iv4353**
ISC	**IV**	**25 14 36 55**±11	**44.7N**±.54	**147.2E**±.97	**180**±34		**31**	**2-9**
JMA	IV	25 14 37 02.0±.5	44.42N±.04	146.62E±.06	157			**¶97iv4360**
ISC	**IV**	**25 14 40 42**±1.1	**48.5N**±.11	**153.9E**±.12	**116**±10	**3.9b**	**24**	**3-77**
EIDC	IV	25 14 40 31.9	48.9N	153.5E	0	3.9b,3.8L		**¶97iv4362**
NEIC	IV	25 14 40 34.2	48.79N	153.61E	33	4.4b		
SKHL	IV	25 14 40 42.0	48.5N	154.0E	105			
MOS	IV	25 14 40 42.2	48.5N	154.1E	116	4.5b		
NEIC	Less reliable solution.							
SKHL	K10							
ISC	**IV**	**25 15 15 04**±1.5	**46.12N**±.086	**153.2E**±.11	**36**±12	**4.0b,3.7s**	**38**	**4-79**
MOS	IV	25 15 14 59.8	46.1N	153.3E	15	4.8b		**¶97iv4369**
EIDC	IV	25 15 15 00.7	46.3N	153.1E	0	3.9b,3.3s		
SKHL	IV	25 15 15 03.0	46.2N±.10	153.3E±.15	30±1			
NEIC	IV	25 15 15 03.1	46.16N	153.13E	33	4.1b		
BJI	IV	25 15 15 03.3	46.40N	153.00E	28	4.6b,4.3s		
SKHL	K10							
NEIC	Less reliable solution.							
JMA	**IV**	**25 15 32 19.2**±.3	**43.13N**±.02	**146.36E**±.03	**48**±3	**3.4**		**¶97iv4371**
JMA	**IV**	**25 15 35 16.0**±.3	**43.71N**±.02	**147.21E**±.03	**61**±4			**¶97iv4372**
JMA	**IV**	**26 01 07 33.7**±.4	**43.24N**±.02	**146.29E**±.03	**61**±3			**¶97iv4447**
ISC	**IV**	**26 15 44 42.3**±.34	**46.22N**±.058	**152.80E**±.057	**31**	**4.5b,4.2s**	**127**	**4-149**
EIDC	IV	26 15 44 38.8	46.3N	152.7E	0	4.2b,3.5s		**¶97iv4571**
MOS	IV	26 15 44 41.4	46.2N	153.0E	33	5.1b		
BJI	IV	26 15 44 41.4	46.41N	152.53E	19	4.7b,4.4s		
SKHL	IV	26 15 44 42.0	46.3N±.10	152.9E±.15	31±4			
NEIC	IV	26 15 44 42.4	46.28N	152.76E	33	4.7b,4.3s		
SKHL	K10.5							
ISC	**IV**	**26 17 43 16**±2.9	**46.03N**±.060	**153.20E**±.083	**2**±17	**4.4b,3.9s**	**103**	**4-148**
EIDC	IV	26 17 43 17.6	46.3N	153.0E	0	4.1b,3.2s		**¶97iv4585**
JMA	IV	26 17 43 19.1±.8	45.51N±.12	153.49E±.10	0	4.0		
BJI	IV	26 17 43 20.3	46.45N	152.71E	17	4.4b,4.7s		
MOS	IV	26 17 43 20.7	46.2N	153.2E	33	4.7b		
NEIC	IV	26 17 43 20.9	46.21N	153.01E	33	4.7b,4.0s		
SKHL	IV	26 17 43 21.0	46.2N±.15	153.0E±.15	31±3			
SKHL	K10							
ISC	**IV**	**26 23 17 15**±2.7	**46.1N**±.13	**153.0E**±.22	**37**±25	**3.6b**	**24**	**6-148**
NEIC	IV	26 23 17 14.4	46.09N	152.98E	33	3.7b		**¶97iv4622**
EIDC	IV	26 23 17 18.3	46.1N	152.9E	49	3.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**27 03 50 43**±5.8	**43.2N**±.16	**147.3E**±.60	**45**±61		**31**	**1-8**
JMA	IV	27 03 50 48.1±.4	43.25N±.03	146.72E±.04	54±4	3.8		**¶97iv4653**
JMA	**IV**	**27 07 18 58.2**±.5	**43.14N**±.03	**146.44E**±.04	**46**±4	**2.8**		**¶97iv4685**
JMA	**IV**	**27 13 51 47.9**±.4	**43.66N**±.03	**147.04E**±.03	**44**	**2.8**		**¶97iv4734**
ISC	**IV**	**27 14 12 31**±5.3	**47.1N**±.23	**150.8E**±.20	**148**±52	**3.8b**	**17**	**18-82**
BJI	IV	27 14 12 29.3	46.74N	150.97E	168	4.6b		**¶97iv4740**
NEIC	IV	27 14 12 31.0	47.10N	150.76E	150	4.0b		

EIDC	IV	27 14 12 34.0	47.2N	150.6E	160	3.5b				
NEIC	Poor solution.									
ISC	**IV**	**27 14 13 02**±3.3	**46.26N**±.072	**153.16E**±.067	**14**±19	**4.7b,4.7s**	**113**	**4-149**		
BJI	IV	27 14 13 03.3	46.40N	152.84E	20	4.7b,4.7s		¶97iv4741		
SKHL	IV	27 14 13 04.0	46.1N±.14	153.2E±.21	28±1					
NEIC	IV	27 14 13 04.7	46.39N	153.14E	33	4.8b				
MOS	IV	27 14 13 05.9	46.6N	153.1E	33	5.1b				
EIDC	IV	27 14 13 08.3	46.5N	153.0E	41	4.0b				
SKHL	K10									
ISC	**IV**	**27 14 14 43**±3.1	**46.11N**±.056	**153.18E**±.054	**5**±18	**5.1b,4.8s**	**204**	**4-149**		
BJI	IV	27 14 14 45.1	46.49N	152.64E	5	5.1b,4.7s		¶97iv4742		
SKHL	IV	27 14 14 46.0	46.0N	153.3E	40					
NEIC	IV	27 14 14 46.6	46.10N	153.20E	33	5.2b				
MOS	IV	27 14 14 47.6	46.3N	153.1E	33	5.3b,4.8s				
EIDC	IV	27 14 14 49.1	46.2N	153.0E	40	4.5b				
SKHL	K10.5									
ISC	**IV**	**27 14 48 24.1**±.90	**46.4N**±.17	**153.0E**±.19	**39**±1.0*	**3.5b**	**10**	**21-78**		
NEIC	IV	27 14 48 23.3	46.43N	152.97E	33			¶97iv4751		
EIDC	IV	27 14 48 26.0	46.4N	152.9E	37	3.4b				
NEIC	Less reliable solution.									
JMA	**IV**	**28 04 15 11.1**±.5	**43.28N**±.03	**146.68E**±.05	**68**±4			¶97iv4847		
JMA	**IV**	**28 06 09 04.6**±.2	**43.60N**±.02	**147.34E**±.02	**52**±5	**3.2**		¶97iv4862		
JMA	**IV**	**28 13 07 31.5**±.3	**43.33N**±.02	**146.67E**±.03	**46**±3	**2.8**		¶97iv4922		
JMA	**IV**	**28 14 20 33.4**±.3	**43.49N**±.02	**147.06E**±.03	**48**±5	**2.8**		¶97iv4935		
JMA	**IV**	**28 18 29 35.8**±.2	**43.38N**±.01	**146.76E**±.02	**45**±3	**2.9**		¶97iv4968		
ISC	**IV**	**29 06 29 48**±1.7	**48.4N**±.42	**155.1E**±.40	**550**	**3.1b**	**5**	**23-76**		
EIDC	IV	29 06 29 48.5	48.3N	155.2E	539	2.6b		¶97iv5032		
JMA	**IV**	**30 14 20 14.1**±.3	**43.29N**±.02	**146.71E**±.03	**45**±3	**3.2**		¶97iv5227		
JMA	**IV**	**30 21 53 08.4**±.3	**43.88N**±.03	**147.91E**±.03	**11**	**3.4**		¶97iv5273		
JMA	**V**	**01 00 16 24.8**±.4	**43.38N**±.03	**146.74E**±.04	**44**	**2.8**		¶97v0001		
JMA	**V**	**01 04 03 19.8**±.4	**43.37N**±.03	**147.34E**±.04	**50**	**3.3**		¶97v0026		
ISC	**V**	**01 09 42 21.8**±.95	**46.4N**±.17	**153.2E**±.19	**33**	**3.5b**	**10**	**21-79**		
NEIC	V	01 09 42 21.7	46.40N	153.16E	33			¶97v0074		
EIDC	V	01 09 42 25.7	46.6N	153.0E	43	3.3b				
NEIC	Single network solution.									
ISC	**V**	**01 12 20 50**±1.8	**43.4N**±.20	**147.2E**±.20	**49**	3.2b	**14**	**1-56**		
JMA	V	01 12 20 48.9±.4	43.39N±.03	147.25E±.04	49	3.3		¶97v0098		
ISC	**V**	**01 14 21 48**±2.4	**46.13N**±.095	**152.9E**±.12	**17**±18	**3.8b**	**64**	**4-79**		
EIDC	V	01 14 21 49.8	46.6N	152.8E	0	3.8b		¶97v0112		
SKHL	V	01 14 21 50.0	46.0N±.32	153.2E±.21	30					
JMA	V	01 14 21 52.4±.4	44.65N±.06	152.98E±.05	19	3.9				
MOS	V	01 14 21 52.4	46.5N	152.9E	33	4.9b				
NEIC	V	01 14 21 52.6	46.55N	152.75E	33					
SKHL	K10									
JMA	**V**	**01 17 05 41.5**±.3	**43.78N**±.03	**147.88E**±.03	**19**	**3.5**		¶97v0129		
ISC	**V**	**01 23 37 45**±4.2	**43.9N**±.24	**146.3E**±.48	**87**		**9**	**1-3**		
JMA	V	01 23 37 45.0±.4	43.82N±.03	146.27E±.04	87±3			¶97v0178		
ISC	**V**	**02 01 49 09**±1.0	**46.1N**±.18	**152.4E**±.23	**33**	**3.6b**	**12**	**27-79**		
EIDC	V	02 01 49 06.0	46.1N	152.5E	0	3.6b		¶97v0190		
NEIC	V	02 01 49 09.2	46.11N	152.45E	33					
NEIC	Less reliable solution.									
ISC	**V**	**02 02 00 52**±1.8	**44.4N**±.36	**148.1E**±.38	**72**	3.5b	**10**	**2-55**		
JMA	V	02 02 00 53.8±.3	44.34N±.03	147.89E±.03	72			¶97v0193		
JMA	**V**	**02 02 35 25.5**±.6	**43.59N**±.04	**146.86E**±.05	**16**	**2.8**		¶97v0200		
ISC	**V**	**02 06 46 45**±1.2	**50.7N**±.27	**157.9E**±.45	**33**	**3.4b**	**6**	**32-77**		
NEIC	V	02 06 46 44.9	50.77N	157.94E	33	3.2b		¶97v0220		
EIDC	V	02 06 47 13.7	50.8N	158.1E	280	2.8b				
NEIC	Poor solution.									
JMA	**V**	**02 12 07 09.5**±.4	**43.56N**±.03	**147.31E**±.03	**23**	**3.5**		¶97v0262		
JMA	**V**	**02 12 39 30.0**±.4	**43.49N**±.03	**147.31E**±.04	**46**	**2.8**		¶97v0265		
ISC	**V**	**02 14 00 48**±4.4	**43.4N**±.14	**146.1E**±.48	**60**		**10**	**0-3**		
JMA	V	02 14 00 47.8±.3	43.41N±.01	146.05E±.03	60±2	2.6		¶97v0278		
ISC	**V**	**02 22 50 47**±1.2	**44.23N**±.051	**148.4E**±.13	**54**±11	**3.8b**	**67**	**1-93**		
EIDC	V	02 22 50 42.3	44.5N	148.1E	0	3.8b,3.8L		¶97v0340		
NEIC	V	02 22 50 45.5	44.52N	148.07E	33	4.3b				
MOS	V	02 22 50 46.4	44.4N	148.5E	33	4.9b				
JMA	V	02 22 50 49.9±.5	44.13N±.04	147.96E±.06	14	4.1				
SKHL	V	02 22 50 50.0	44.4N	148.1E	40±5					
SKHL	K10									
JMA	**V**	**03 06 59 11.5**±.3	**43.92N**±.03	**147.72E**±.03	**75**			¶97v0393		
JMA	**V**	**03 08 53 14.8**±.6	**44.01N**±.05	**147.87E**±.05	**0**	**3.1**		¶97v0406		
JMA	**V**	**03 15 44 30.5**±.4	**44.43N**±.05	**147.36E**±.06	**164**			¶97v0454		
ISC	**V**	**04 04 00 42**±3.9	**48.1N**±.16	**155.1E**±.25	**28**±28	**3.7b**	**17**	**3-78**		
EIDC	V	04 04 00 41.8	48.5N	154.5E	0	3.7b,3.7L		¶97v0561		
NEIC	V	04 04 00 43.1	48.24N	154.88E	33	3.9b				
MOS	V	04 04 00 43.4	48.2N	155.1E	33	4.7b				
NEIC	Less reliable solution.									
ISC	**V**	**04 05 56 39**±1.6	**48.2N**±.33	**155.1E**±.33	**33**	**3.8b**	**6**	**23-78**		
EIDC	V	04 05 56 35.8	48.2N	155.1E	0	3.8b		¶97v0573		
NEIC	V	04 05 56 39.1	48.25N	155.07E	33					
NEIC	Poor solution.									
JMA	**V**	**04 11 08 08.4**±.3	**43.89N**±.03	**147.87E**±.03	**34**	**3.3**		¶97v0627		
JMA	**V**	**04 11 38 32.1**±.3	**43.79N**±.03	**147.92E**±.03	**21**	**3.1**		¶97v0631		
JMA	**V**	**04 17 03 15.4**±.3	**43.59N**±.02	**147.26E**±.02	**45**±4	**3.0**		¶97v0666		
ISC	**V**	**04 22 16 29**±3.0	**46.16N**±.080	**153.2E**±.10	**26**±21	**4.3b**,4.1s	**84**	**4-148**		
SKHL	V	04 22 16 28.0	46.2N±.10	153.5E±.10	35±1	4.0s		¶97v0700		
MOS	V	04 22 16 34.6	46.1N	153.0E	74	4.9b				
NEIC	V	04 22 16 36.7	46.24N	153.15E	100	4.4b				
EIDC	V	04 22 16 38.2	46.3N	153.1E	99	3.8b				
BJI	V	04 22 16 41.7	46.55N	152.13E	100	4.6b				
SKHL	K10									
NEIC	Less reliable solution.									
ISC	**V**	**05 21 48 16**±4.9	**46.6N**±.29	**151.3E**±.35	**186**±58	**3.4b**	**7**	**14-64**		
EIDC	V	05 21 48 17.8	46.6N	151.2E	182	3.1b		¶97v0854		
ISC	**V**	**06 02 56 13**±4.2	**44.7N**±.43	**146.3E**±.42	**200**		**12**	**1-5**		
JMA	V	06 02 56 13.6±.4	44.57N±.05	146.33E±.06	200			¶97v0894		
ISC	**V**	**06 03 18 02.3**±.90	**44.10N**±.061	**147.8E**±.10	**72**±9.3	**3.8b**	**70**	**1-152**		
NEIC	V	06 03 17 58.5	44.28N	147.76E	33	4.4b		¶97v0899		
SKHL	V	06 03 18 03.0	44.1N±.11	147.7E±.13	45±1					
MOS	V	06 03 18 03.3	44.2N	147.6E	83	5.1b				
JMA	V	06 03 18 04.3±.4	43.92N±.03	147.64E±.04	44	4.2				
EIDC	V	06 03 18 04.3	44.2N	147.7E	74	3.6b,3.6L				
SKHL	K10									
JMA	**V**	**06 05 22 02.7**±.2	**43.20N**±.01	**146.05E**±.02	**47**±2	**2.8**		¶97v0912		
JMA	**V**	**06 05 26 35.5**±.3	**43.20N**±.02	**146.10E**±.03	**48**±2	**2.9**		¶97v0914		
JMA	**V**	**06 06 38 08.2**±.2	**43.17N**±.01	**146.10E**±.02	**48**±2	**3.2**		¶97v0919		
JMA	**V**	**06 09 03 06.1**±.3	**43.65N**±.02	**147.44E**±.03	**71**±4			¶97v0938		
ISC	**V**	**06 11 14 42**±40	**49N**±2.9	**157.0E**±.65	**20**		**6**	**1-4**		
KRSC	V	06 11 14 46.8	50.16N	156.93E	20	3.8b		¶97v0953		
SKHL	V	06 11 14 47.0	50.1N±.10	156.3E±.10	75±1					

SKHL	K10.5 Felt I=I−II MSK at Severo−Kurilsk									
ISC	**V**	**06 20 06 33**±1.4	**43.52N**±.057	**148.0E**±.14	**44**±12	**3.9b**	**69**	**2-93**		
EIDC	V	06 20 06 30.2	43.9N	147.8E	0	3.9b,3.7L		¶97v1008		
MOS	V	06 20 06 32.4	43.7N	148.1E	33	5.2b				
BJI	V	06 20 06 32.6	43.52N	148.15E	50	4.4b				
NEIC	V	06 20 06 32.9	43.86N	147.71E	33					
JMA	V	06 20 06 33.4±.5	43.57N±.04	147.88E±.05	38	3.9				
NEIC	Less reliable solution.									
JMA	**V**	**06 21 05 43.1**±.4	**43.41N**±.03	**146.75E**±.03	**50**±4	**2.8**		¶97v1010		
JMA	**V**	**07 09 04 09.9**±.4	**43.33N**±.02	**146.66E**±.04	**45**±4	**3.5**		¶97v1071		
ISC	**V**	**07 17 12 20**±6.9	**43.2N**±.26	**146.4E**±.74	**74**		**7**	**0-2**		
JMA	V	07 17 12 19.6±.3	43.19N±.02	146.42E±.03	74±3			¶97v1127		
JMA	**V**	**07 21 33 04.4**±.3	**43.29N**±.02	**147.07E**±.03	**68**±5			¶97v1148		
ISC	**V**	**08 05 38 22**±6.1	**43.2N**±.23	**146.3E**±.64	**66**		**10**	**0-3**		
JMA	V	08 05 38 21.8±.2	43.21N±.02	146.28E±.02	66±2			¶97v1186		
JMA	**V**	**08 06 03 38.4**±.4	**43.68N**±.03	**147.50E**±.03	**16**	**3.3**		¶97v1189		
JMA	**V**	**08 11 39 53.2**±.4	**43.58N**±.03	**147.18E**±.03	**33**	**3.3**		¶97v1236		
ISC	**V**	**09 02 11 44.7**±.88	**47.1N**±.15	**153.4E**±.19	**33**	**3.8b**	**17**	**21-148**		
NEIC	V	09 02 11 45.3	47.05N	153.44E	40			¶97v1346		
EIDC	V	09 02 11 47.6	47.0N	153.2E	40	3.6b				
NEIC	Single network solution.									
JMA	**V**	**09 03 58 59.1**±.6	**43.00N**±.04	**146.86E**±.05	**49**	**3.0**		¶97v1356		
ISC	**V**	**09 17 06 10.9**±.31	**44.12N**±.040	**149.67E**±.051	**41**±2.0*	**4.7b,4.3s**	**170**	**2-152**		
EIDC	V	09 17 06 07.3	44.4N	149.5E	0	4.4b,3.9L		¶97v1453		
SKHL	V	09 17 06 10.0	44.2N±.25	149.9E±.26	44±6					
BJI	V	09 17 06 10.4	44.43N	149.48E	26	4.9b,4.3s				
NEIC	V	09 17 06 10.7	44.35N	149.64E	33	5.0b,4.2s				
JMA	V	09 17 06 10.8±.7	44.04N±.06	149.98E±.08	32	4.1				
MOS	V	09 17 06 13.4	44.5N	149.7E	54	5.2b,4.4s				
SKHL	K10									
ISC	**V**	**09 17 15 46**±2.7	**44.5N**±.11	**149.7E**±.14	**25**±21	**3.7b**	**49**	**3-81**		
EIDC	V	09 17 15 45.9	44.8N	149.5E	0	3.8b,3.7L		¶97v1454		
JMA	V	09 17 15 46.4±.6	43.89N±.04	149.94E±.06	2	3.6				
NEIC	V	09 17 15 48.8	44.72N	149.45E	33	3.6b				
MOS	V	09 17 16 09.0	47.5N	148.5E	33	4.7b				
NEIC	Less reliable solution.									
JMA	**V**	**09 17 53 58.5**±.3	**43.71N**±.02	**147.53E**±.03	**28**	**3.0**		¶97v1459		
JMA	**V**	**10 04 57 30.0**±.4	**43.42N**±.03	**147.55E**±.03	**37**	**2.8**		¶97v1526		
ISC	**V**	**10 05 12 24**±1.6	**44.71N**±.071	**149.4E**±.16	**63**±14	**3.7b**	**52**	**1-151**		
NEIC	V	10 05 12 20.9	44.83N	149.39E	33	3.8b		¶97v1527		
SKHL	V	10 05 12 21.0	44.6N±.05	149.6E±.05	30±5					
MOS	V	10 05 12 21.1	44.7N	149.4E	33	4.0b				
JMA	V	10 05 12 21.3±.7	44.38N±.06	149.98E±.08	34	4.2				
EIDC	V	10 05 12 27.0	44.7N	149.3E	73	3.4b,3.6s				
NEIC	Less reliable solution.									
SKHL	K10									
ISC	**V**	**10 06 20 14**±2.9	**44.23N**±.059	**149.92E**±.085	**0**±17	**4.4b,4.1s**	**108**	**2-152**		
EIDC	V	10 06 20 16.2	44.4N	149.7E	0	4.1b,4.0L		¶97v1535		
SKHL	V	10 06 20 17.0	44.2N±.15	149.9E±.15	30±1					
JMA	V	10 06 20 18.7±.6	44.21N±.08	150.13E±.07	49	4.0				
NEIC	V	10 06 20 19.6	44.36N	149.61E	33	4.9b,4.2s				
BJI	V	10 06 20 20.1	44.35N	149.56E	31	4.8b,4.3s				
MOS	V	10 06 20 20.4	44.5N	149.8E	33	5.1b				
SKHL	K10.5									
NEIC	Less reliable solution.									
JMA	**V**	**10 10 14 13.9**±.2	**43.29N**±.01	**146.85E**±.02	**45**±3	**3.3**		¶97v1570		
JMA	**V**	**10 10 29 14.2**±.3	**43.31N**±.02	**147.32E**±.03	**53**	**3.0**		¶97v1576		
KRSC	**V**	**11 07 45 14.2**	**49.22N**	**155.94E**	**19**	**4.0b**		¶97v1750		
ISC	**V**	**11 15 04 03**±8.1	**43.6N**±.11	**146.3E**±.83	**67**±31		**16**	**0-4**		
JMA	V	11 15 04 02.8±.3	43.59N±.02	146.34E±.03	70±2			¶97v1799		
JMA	**V**	**11 22 39 43.9**±.4	**43.05N**±.02	**146.88E**±.03	**52**	**3.3**		¶97v1856		
ISC	**V**	**12 01 19 22**±2.1	**44.7N**±.16	**149.7E**±.21	**68**±20	**3.5b**	**26**	**3-81**		
JMA	V	12 01 19 23.4±.6	44.22N±.04	149.59E±.06	31	3.7		¶97v1869		
NEIC	V	12 01 19 26.2	44.98N	149.56E	100					
EIDC	V	12 01 19 32.0	44.9N	149.5E	136	3.3b				
NEIC	Single network solution.									
JMA	**V**	**12 01 25 38.9**±.4	**43.27N**±.02	**147.27E**±.04	**52**	**3.4**		¶97v1871		
JMA	**V**	**12 07 42 31.7**±.4	**44.20N**±.04	**147.91E**±.04	**18**	**3.2**		¶97v1917		
JMA	**V**	**12 22 45 19.7**±.4	**43.29N**±.02	**146.46E**±.03	**43**±3	**2.9**		¶97v2061		
JMA	**V**	**12 23 20 57.6**±.5	**43.58N**±.04	**147.55E**±.05	**38**	**3.0**		¶97v2073		
ISC	**V**	**13 08 40 46**±1.5	**43.6N**±.12	**147.8E**±.16	**36**	3.5b	**22**	**1-56**		
JMA	V	13 08 40 49.4±.3	43.67N±.02	147.37E±.03	36	3.4		¶97v2206		
JMA	**V**	**13 13 25 12.2**±.8	**45.01N**±.10	**148.30E**±.12	**190**			¶97v2260		
ISC	**V**	**13 13 53 45**±3.3	**43.00N**±.066	**146.7E**±.35	**43**		**33**	**1-7**		
JMA	V	13 13 53 51.1±.4	43.08N±.02	145.93E±.04	43±3	3.5		¶97v2264		
JMA	**V**	**13 22 25 34.7**±.4	**43.90N**±.03	**147.59E**±.03	**21**	**3.2**		¶97v2342		
JMA	**V**	**13 23 31 19.3**±.3	**44.04N**±.06	**148.07E**±.04	**0**	**3.2**		¶97v2352		
JMA	**V**	**14 04 33 13.0**±.6	**43.80N**±.06	**147.66E**±.04	**0**	**3.1**		¶97v2391		
JMA	**V**	**14 15 40 24.0**±.3	**43.60N**±.02	**147.35E**±.03	**35**	**3.2**		¶97v2474		
ISC	**V**	**14 18 47 29**±2.4	**45.2N**±.13	**151.2E**±.22	**37**±21	**3.5b**	**27**	**4-79**		
NEIC	V	14 18 47 29.2	45.37N	151.07E	33			¶97v2499		
JMA	V	14 18 47 29.7±.5	44.34N±.11	151.47E±.06	0	3.6				
EIDC	V	14 18 47 33.3	45.4N	151.1E	52	3.3b				
NEIC	Single network solution.									
JMA	**V**	**15 02 28 13.6**±.3	**43.17N**±.02	**146.42E**±.03	**52**±3	**2.8**		¶97v2547		
JMA	**V**	**15 21 03 51.7**±.5	**43.76N**±.04	**147.54E**±.04	**22**	**3.1**		¶97v2677		
JMA	**V**	**16 08 15 28.9**±.4	**43.42N**±.03	**147.07E**±.03	**58**	**2.8**		¶97v2742		
ISC	**V**	**16 09 53 37**±1.7	**44.49N**±.092	**147.6E**±.23	**145**±17	3.1b	**36**	**2-55**		
JMA	V	16 09 53 38.8±.5	44.40N±.03	147.51E±.06	137			¶97v2753		
ISC	**V**	**16 13 24 02.4**±.80	**49.92N**±.076	**155.22E**±.097	**119**±7.9	**3.8b**	**40**	**1-147**		
NEIC	V	16 13 24 00.7	49.98N	155.17E	102	4.0b		¶97v2779		
SKHL	V	16 13 24 01.0	49.7N±.15	155.6E±.15	110±15					
MOS	V	16 13 24 01.8	49.9N	155.1E	111	4.2b				
EIDC	V	16 13 24 02.5	50.0N	155.2E	104	3.6b				
SKHL	K10									
JMA	**V**	**16 16 54 04.8**±.3	**43.51N**±.03	**147.40E**±.03	**31**	**2.9**		¶97v2810		
ISC	**V**	**16 17 27 00**±7.6	**43.2N**±.44	**146.3E**±.81	**70**		**7**	**0-2**		
JMA	V	16 17 26 59.9±.3	43.14N±.02	146.30E±.03	70±3			¶97v2814		
ISC	Poorly determined									
JMA	**V**	**17 12 35 44.2**±.5	**43.45N**±.02	**146.69E**±.04	**34**±4	**3.2**		¶97v2927		
JMA	**V**	**17 22 53 47.5**±.5	**43.57N**±.03	**146.99E**±.04	**26**	**3.1**		¶97v2996		
JMA	**V**	**18 01 02 44.8**±.4	**43.04N**±.02	**146.86E**±.04	**44**	**3.7**		¶97v3007		
ISC	**V**	**18 05 26 54**±1.3	**48.0N**±.29	**153.9E**±.39	**33**	**3.8b**	**4**	**22-76**		
EIDC	V	18 05 26 50.6	47.9N	154.0E	0	3.8b		¶97v3031		
ISC	Poorly determined									
ISC	**V**	**18 06 44 24.5**±.97	**47.9N**±.18	**153.8E**±.24	**33**	**3.6b**	**15**	**27-83**		
EIDC	V	18 06 44 20.9	47.9N	153.8E	0	3.6b		¶97v3038		
NEIC	V	18 06 44 24.4	47.86N	153.84E	33					
NEIC	Poor solution.									
JMA	**V**	**18 06 47 31.3**±.2	**43.68N**±.02	**147.20E**±.02	**54**±4	**3.0**		¶97v3040		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
JMA	**V**	**18 06 58 20.4**±.4	**43.46N**±.02	**146.93E**±.03	**39**±5	**3.3**	¶97v3042	
JMA	**V**	**18 09 13 19.9**±.3	**43.95N**±.03	**147.88E**±.03	**30**	**3.3**	¶97v3057	
JMA	**V**	**19 04 48 54.9**±.2	**43.72N**±.02	**147.02E**±.02	**30**±3	**3.2**	¶97v3200	
JMA	**V**	**19 14 43 20.9**±.5	**43.05N**±.03	**147.04E**±.05	**41**	**3.0**	¶97v3269	
JMA	**V**	**20 05 01 12.4**±.4	**44.21N**±.05	**147.33E**±.06	**146**		¶97v3358	
ISC	**V**	**20 10 56 02**±1.2	**47.6N**±.14	**152.8E**±.17	**131**±11	**4.0b**	**26**	**4-78**
BJI	V	20 10 56 00.6	47.70N	152.80E	150	4.7b	¶97v3392	
SKHL	V	20 10 56 01.0	47.4N±.12	153.2E±.15	140±10			
NEIC	V	20 10 56 03.6	47.66N	152.81E	150	4.3b		
MOS	V	20 10 56 05.0	49.2N	152.5E	70	4.6b		
EIDC	V	20 10 56 06.4	47.6N	152.7E	162	3.6b		
NEIC	Less reliable solution.							
ISC	**V**	**20 17 28 55**±3.0	**43.28N**±.082	**147.1E**±.32	**53**±33	**3.5b**	**30**	**1-65**
EIDC	V	20 17 28 53.1	44.0N	146.4E	0	3.5b	¶97v3442	
JMA	V	20 17 28 56.6±.3	43.40N±.02	146.89E±.03	45±4	3.5		
ISC	**V**	**20 22 05 56.2**±.93	**43.47N**±.072	**147.8E**±.11	**30**	**3.4b**	**42**	**1-82**
JMA	V	20 22 05 59.5±.3	43.57N±.02	147.31E±.03	30	3.8	¶97v3467	
EIDC	V	20 22 06 17.7	47.7N	146.8E	0	3.4b		
JMA	**V**	**21 02 39 52.6**±.5	**44.22N**±.04	**146.92E**±.06	**123**		¶97v3498	
ISC	**V**	**21 18 41 41**±2.5	**43.39N**±.060	**147.7E**±.24	**56**±26	**3.6b**	**44**	**1-82**
NEIC	V	21 18 41 41.2	43.61N	147.53E	54	3.9b	¶97v3593	
JMA	V	21 18 41 41.3±.4	43.51N±.03	147.53E±.04	24	3.8		
EIDC	V	21 18 41 42.8	43.6N	147.6E	48	3.5b		
NEIC	Poor solution.							
ISC	**V**	**21 23 27 46.5**±.94	**46.0N**±.16	**152.7E**±.22	**33**	**3.6b**	**12**	**20-79**
EIDC	V	21 23 27 43.4	46.0N	152.9E	0	3.6b	¶97v3625	
NEIC	V	21 23 27 46.3	46.06N	152.64E	33	3.4b		
NEIC	Poor solution.							
ISC	**V**	**22 06 41 25**±11	**43.7N**±.29	**146.8E**±.96	**9**		**9**	**1-3**
JMA	V	22 06 41 19.3±.3	43.63N±.02	147.33E±.03	9±4	3.1	¶97v3723	
ISC	**V**	**22 07 05 59**±6.7	**44.7N**±.26	**146.8E**±.66	**199**±26		**30**	**1-8**
JMA	V	22 07 06 04.7±.4	44.57N±.03	146.31E±.05	163		¶97v3725	
ISC	**V**	**22 14 41 21.0**±.21	**48.19N**±.038	**154.94E**±.044	**50**±1.7*	**5.0b,5.0s**	**266**	**3-156**
EIDC	V	22 14 41 15.2	48.2N	154.9E	0	4.7b,4.5s	¶97v3784	
SKHL	V	22 14 41 17.0	47.9N±.21	155.5E±.30	50±2			
BJI	V	22 14 41 17.9	48.37N	154.90E	33	5.1b,5.0s		
MOS	V	22 14 41 18.6	48.3N	154.9E	26	5.7b,5.2s		
NEIC	V	22 14 41 18.8	48.21N	154.94E	33	5.1b,5.0s		
SKHL	K11.5							
JMA	**V**	**22 21 28 01.2**±.4	**43.65N**±.02	**147.11E**±.04	**44**	**3.6**	¶97v3835	
JMA	**V**	**23 01 54 32.7**±.4	**43.22N**±.03	**147.01E**±.04	**51**	**3.0**	¶97v3862	
ISC	**V**	**23 02 09 21**±1.5	**48.2N**±.29	**155.1E**±.25	**33**	**3.5b**	**7**	**23-78**
EIDC	V	23 02 09 17.0	48.1N	155.4E	0	3.6b	¶97v3865	
NEIC	V	23 02 09 20.7	48.16N	155.17E	33			
NEIC	Poor solution.							
ISC	**V**	**23 05 16 47.4**±.75	**43.20N**±.045	**147.50E**±.075	**53**±6.6	**4.4b**,4.0s	**99**	**1-149**
BJI	V	23 05 16 48.0	43.40N	147.38E	47	4.5b,4.2s	¶97v3892	
NEIC	V	23 05 16 48.3	43.89N	147.20E	33	4.7b		
MOS	V	23 05 16 48.7	43.9N	147.2E	33	5.0b		
SKHL	V	23 05 16 49.0	43.3N±.17	147.6E±.32	62±1			
JMA	V	23 05 16 50.1±.4	43.28N±.03	147.20E±.04	40	4.1		
EIDC	V	23 05 16 52.9	43.9N	147.2E	59	4.1b		
SKHL	K10							
ISC	**V**	**23 07 35 30.1**±.78	**44.65N**±.045	**149.37E**±.075	**50**±7.1	**4.4b**,4.1s	**119**	**1-151**
JMA	V	23 07 35 27.1±.9	44.89N±.09	149.85E±.11	57	4.2	¶97v3910	
MOS	V	23 07 35 28.5	44.8N	149.2E	33	4.7b		
NEIC	V	23 07 35 28.6	44.86N	149.18E	33	4.5b		
BJI	V	23 07 35 29.7	44.44N	149.60E	55	4.8b		
SKHL	V	23 07 35 30.0	44.7N±.13	149.3E±.21	33±1			
EIDC	V	23 07 35 32.6	44.9N	149.1E	56	4.0b,3.9L		
SKHL	K10							
JMA	**V**	**23 19 15 34.7**±.4	**43.91N**±.04	**147.67E**±.04	**14**	**3.2**	¶97v3992	
JMA	**V**	**23 19 55 07.0**±.7	**43.89N**±.05	**147.74E**±.07	**0**	**2.9**	¶97v3997	
JMA	**V**	**23 20 10 59.1**±.7	**44.59N**±.08	**149.64E**±.09	**0**	**3.6**	¶97v4000	
ISC	**V**	**24 02 53 23**±1.8	**48.3N**±.12	**154.9E**±.17	**48**±16	**3.7b**,3.7s	**21**	**3-78**
EIDC	V	24 02 53 18.4	48.4N	154.9E	0	3.7b,3.7s	¶97v4041	
NEIC	V	24 02 53 21.3	48.32N	154.84E	33	3.9b		
MOS	V	24 02 53 21.7	48.3N	155.1E	33	4.0b		
NEIC	Less reliable solution.							
JMA	**V**	**25 01 12 36.2**±.3	**43.97N**±.03	**147.70E**±.03	**45**	**2.8**	¶97v4194	
ISC	**V**	**25 04 48 10**±1.6	**43.8N**±.17	**147.7E**±.19	**33**	3.3b	**15**	**1-56**
JMA	V	25 04 48 13.4±.4	43.74N±.03	147.28E±.04	33	3.5	¶97v4219	
JMA	**V**	**25 10 16 49.7**±.3	**43.60N**±.02	**147.07E**±.03	**23**±4	**2.8**	¶97v4256	
JMA	**V**	**25 14 55 50.0**±.3	**43.63N**±.03	**147.30E**±.03	**40**	**3.1**	¶97v4288	
JMA	**V**	**26 02 49 17.1**±.5	**43.34N**±.03	**146.81E**±.04	**40**±5	**3.1**	¶97v4359	
JMA	**V**	**26 13 07 50.3**±.3	**43.61N**±.03	**147.41E**±.03	**22**	**3.2**	¶97v4419	
ISC	**V**	**26 15 43 05.6**±.69	**48.4N**±.13	**153.2E**±.17	**33**	**3.8b**	**15**	**22-77**
EIDC	V	26 15 43 02.2	48.3N	153.3E	0	3.7b	¶97v4434	
NEIC	V	26 15 43 05.2	48.33N	153.21E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**26 17 41 01**±1.3	**45.01N**±.098	**150.6E**±.13	**44**±12	**3.6b**	**33**	**4-80**
JMA	V	26 17 40 59.7±.5	44.32N±.11	151.26E±.06	35	3.5	¶97v4446	
MOS	V	26 17 41 00.7	45.0N	150.7E	33	4.0b		
NEIC	V	26 17 41 02.0	45.09N	150.44E	48			
EIDC	V	26 17 41 03.9	45.1N	150.5E	46	3.5b		
EIDC	**V**	**26 20 40 34.6**	**46.3N**	**152.3E**	**0**	**3.6b**		**27-79**
							¶97v4465	
JMA	**V**	**26 22 24 54.0**±.3	**43.85N**±.03	**147.17E**±.03	**62**±5		¶97v4474	
ISC	**V**	**26 22 46 32**±1.1	**44.1N**±.20	**148.6E**±.17	**39**±2.3*	**3.2b**	**27**	**2-82**
JMA	V	26 22 46 31.8±.4	43.85N±.04	148.41E±.04	12	3.7	¶97v4475	
EIDC	V	26 22 46 32.8	44.0N	148.1E	36	3.1b		
ISC	**V**	**27 02 03 41**±9.7	**43.4N**±.16	**146.4E**±.99	**44**		**10**	**0-3**
JMA	V	27 02 03 36.0±.5	43.40N±.03	146.77E±.05	44	3.2	¶97v4502	
JMA	**V**	**27 04 58 44.9**±.5	**43.48N**±.04	**146.85E**±.04	**37**±5	**2.8**	¶97v4514	
JMA	**V**	**27 23 18 06.3**±.7	**43.55N**±.07	**146.97E**±.06	**31**	**2.8**	¶97v4623	
ISC	**V**	**27 23 39 41**±3.3	**43.5N**±.24	**146.1E**±.45	**95**		**6**	**0-2**
JMA	V	27 23 39 41.6±.3	43.47N±.02	146.08E±.03	95±2		¶97v4624	
JMA	**V**	**28 00 20 29.7**±.3	**43.71N**±.05	**146.94E**±.03	**32**±4	**3.1**	¶97v4631	
ISC	**V**	**28 03 16 29**±5.3	**43.1N**±.37	**146.2E**±.58	**79**		**6**	**0-2**
JMA	V	28 03 16 29.0±.4	43.12N±.03	146.23E±.03	79±3		¶97v4649	
JMA	**V**	**28 16 25 42.1**±.3	**43.00N**±.02	**146.20E**±.02	**43**±2	**2.8**	¶97v4743	
JMA	**V**	**28 17 46 54.4**±.5	**43.60N**±.04	**147.14E**±.05	**68**		¶97v4752	
JMA	**V**	**29 09 04 01.8**±.6	**44.61N**±.08	**147.06E**±.07	**187**		¶97v4845	
ISC	**V**	**29 11 55 40.0**±.70	**43.57N**±.035	**147.62E**±.068	**50**±6.8	**4.3b**,3.2s	**138**	**1-152**
BJI	V	29 11 55 33.9	43.22N	148.07E	47	4.1b	¶97v4867	
SKHL	V	29 11 55 41.0	43.8N±.10	147.5E±.10	31±6			
MOS	V	29 11 55 42.3	44.0N	147.5E	57	4.5b		
JMA	V	29 11 55 42.4±.4	43.59N±.03	147.33E±.04	34	4.3		
NEIC	V	29 11 55 42.7	43.92N	147.30E	67	4.3b		
EIDC	V	29 11 55 43.5	44.0N	147.4E	53	4.0b,3.9L		
SKHL	K10							
JMA	**V**	**29 13 30 10.9**±.4	**43.04N**±.03	**147.41E**±.04	**49**	**3.6**	¶97v4874	
JMA	**V**	**29 14 16 21.6**±.3	**43.74N**±.03	**147.30E**±.03	**23**	**3.4**	¶97v4879	
JMA	**V**	**29 19 00 40.7**±.7	**44.21N**±.07	**148.43E**±.07	**62**		¶97v4915	
JMA	**V**	**30 02 33 25.8**±.5	**44.32N**±.03	**146.67E**±.05	**68**		¶97v4964	
JMA	**V**	**30 03 00 37.7**±.5	**44.24N**±.04	**147.46E**±.06	**75**		¶97v4969	
JMA	**V**	**30 06 42 33.1**±.5	**43.69N**±.03	**147.27E**±.04	**35**	**3.7**	¶97v4990	
JMA	**V**	**30 13 07 29.9**±.5	**44.09N**±.03	**147.53E**±.05	**124**		¶97v5041	
JMA	**V**	**30 18 59 29.6**±.4	**43.68N**±.03	**147.28E**±.04	**34**	**3.0**	¶97v5080	
ISC	**V**	**30 20 20 29**±1.7	**44.09N**±.035	**149.72E**±.051	**9**±10	**5.0b,4.6s**	**305**	**2-152**
EIDC	V	30 20 20 29.7	44.5N	149.5E	0	4.4b,4.0L	¶97v5090	
JMA	V	30 20 20 31.7±.6	44.31N±.10	149.99E±.07	59	4.4		
BJI	V	30 20 20 32.9	44.52N	149.47E	32	4.9b,4.5s		
NEIC	V	30 20 20 33.0	44.35N	149.43E	33	4.8b,4.6s		
SKHL	V	30 20 20 33.0	44.2N±.05	149.6E±.05	34±3			
MOS	V	30 20 20 34.8	44.6N	149.5E	33	5.3b,4.7s		
ISC	**V**	**31 01 11 20**±6.1	**43.2N**±.21	**146.3E**±.65	**64**		**9**	**0-3**
JMA	V	31 01 11 19.4±.4	43.14N±.02	146.30E±.04	64±3		¶97v5130	
JMA	**V**	**31 11 02 32.0**±.4	**43.59N**±.03	**147.01E**±.04	**44**	**2.9**	¶97v5182	
JMA	**V**	**31 20 11 40.1**±.3	**43.15N**±.02	**146.10E**±.02	**79**±3		¶97v5235	
ISC	**VI**	**01 11 24 15**±2.6	**45.8N**±.17	**150.3E**±.31	**154**±26	**3.5b**	**31**	**4-80**
JMA	VI	01 11 24 13.2±.7	45.13N±.07	150.94E±.10	0	3.7	¶97vi0069	
EIDC	VI	01 11 24 41.9	45.9N	150.2E	398	3.0b		
ISC	**VI**	**01 14 32 12**±7.6	**43.4N**±.15	**146.5E**±.78	**50**		**11**	**1-4**
JMA	VI	01 14 32 08.6±.4	43.30N±.02	146.71E±.04	50±4	3.0	¶97vi0100	
JMA	**VI**	**01 22 10 16.0**±.6	**44.55N**±.07	**147.92E**±.08	**170**		¶97vi0140	
ISC	**VI**	**02 03 42 47.4**±.37	**44.41N**±.034	**147.15E**±.055	**155**±4.0	**4.4b**	**184**	**1-153**
BJI	VI	02 03 42 45.5	44.60N	147.65E	150		¶97vi0171	
MOS	VI	02 03 42 46.5	44.6N	147.2E	147	4.7b		
NEIC	VI	02 03 42 46.7	44.86N	146.85E	142	4.3b		
EIDC	VI	02 03 42 47.5	44.8N	146.9E	138	4.1b		
SKHL	VI	02 03 42 48.0	44.5N±.10	147.1E±.10	150±10			
JMA	VI	02 03 42 49.6±.4	44.22N±.03	147.08E±.05	157			
SKHL	K10							
JMA	**VI**	**02 06 05 39.8**±.5	**43.19N**±.03	**146.43E**±.04	**53**±4	**2.9**	¶97vi0191	
ISC	**VI**	**02 19 32 49**±1.6	**44.05N**±.064	**149.4E**±.14	**47**±14	**3.9b**	**73**	**2-81**
EIDC	VI	02 19 32 47.2	44.5N	149.2E	0	3.9b,3.9L	¶97vi0298	
BJI	VI	02 19 32 48.3	44.38N	149.27E	33	4.8b		
MOS	VI	02 19 32 49.2	44.4N	149.3E	33	5.0b		
NEIC	VI	02 19 32 49.5	44.38N	149.19E	33			
JMA	VI	02 19 32 49.8±.9	44.73N±.10	149.43E±.11	49	4.1		
SKHL	VI	02 19 32 51.0	44.5N±.16	149.3E±.17	50±1			
NEIC	Single network solution.							
SKHL	K10							
JMA	**VI**	**03 09 44 57.7**±.5	**44.06N**±.04	**147.96E**±.05	**0**	**3.4**	¶97vi0418	
JMA	**VI**	**04 00 17 02.4**±.5	**43.33N**±.03	**146.65E**±.04	**47**	**3.1**	¶97vi0537	
ISC	**VI**	**04 12 40 13**±2.2	**46.7N**±.12	**152.9E**±.19	**47**±20	**3.6b**	**32**	**6-78**
EIDC	VI	04 12 40 09.0	46.8N	153.1E	0	3.6b,3.7L	¶97vi0616	
NEIC	VI	04 12 40 12.0	46.80N	152.94E	33			
NEIC	Single network solution.							
JMA	**VI**	**04 16 21 59.2**±.4	**43.69N**±.03	**147.16E**±.03	**57**	**2.8**	¶97vi0643	
ISC	**VI**	**05 09 32 58.2**±.33	**49.97N**±.039	**153.48E**±.072	**198**±4.0	**4.4b**	**239**	**2-148**
BJI	VI	05 09 32 57.6	49.91N	153.59E	207	4.8b	¶97vi0744	
KRSC	VI	05 09 32 58.0	49.36N	154.76E	240	4.7b		
NEIC	VI	05 09 32 58.4	49.95N	153.41E	202	4.6b		
MOS	VI	05 09 32 58.5	49.9N	153.5E	203	4.6b		
SKHL	VI	05 09 32 59.0	49.8N±.13	153.8E±.13	204±4			
EIDC	VI	05 09 32 59.2	50.0N	153.4E	198	4.0b		
ISC	**VI**	**05 10 55 56.7**±.87	**49.22N**±.061	**155.50E**±.082	**59**±7.3	**4.6b,3.5s**	**86**	**1-90**
MOS	VI	05 10 55 53.8	49.0N	155.8E	33	4.8b	¶97vi0755	
BJI	VI	05 10 55 54.6	49.08N	155.76E	56	4.0b		
NEIC	VI	05 10 55 54.8	49.27N	155.40E	44	4.7b,3.9s		
EIDC	VI	05 10 55 56.0	49.3N	155.2E	42	3.9b,3.3s		
SKHL	VI	05 10 55 56.0	49.2N	155.7E	30			
SKHL	K10							
ISC	**VI**	**06 05 47 19.1**±.86	**50.2N**±.25	**154.2E**±.37	**234**±7.7	**3.5b**	**17**	**1-75**
NEIC	VI	06 05 47 15.7	50.09N	154.44E	200	4.1b	¶97vi0891	
EIDC	VI	06 05 47 16.2	50.2N	154.4E	186	3.3b,4.3L		
KRSC	VI	06 05 47 17.1	50.73N	153.09E	184	4.1b		
NEIC	Poor solution.							
JMA	**VI**	**06 08 08 47.6**±.3	**43.10N**±.02	**146.26E**±.03	**46**±3	**3.0**	¶97vi0908	
JMA	**VI**	**06 21 30 49.1**±.3	**43.68N**±.02	**147.33E**±.02	**38**	**3.6**	¶97vi0997	
ISC	**VI**	**07 03 20 12**±9.6	**43.5N**±.21	**147.5E**±.95	**45**		**23**	**1-7**
JMA	VI	07 03 20 12.7±.4	43.45N±.03	147.32E±.04	45	3.4	¶97vi1032	
JMA	**VI**	**08 02 35 29.0**±.4	**43.35N**±.02	**146.80E**±.04	**51**±4	**3.7**	¶97vi1170	
ISC	**VI**	**08 05 26 46**±5.8	**43.4N**±.15	**146.2E**±.62	**56**		**10**	**0-3**
JMA	VI	08 05 26 46.5±.3	43.36N±.02	146.09E±.03	56±2	2.9	¶97vi1182	
JMA	**VI**	**08 20 28 30.6**±.6	**43.83N**±.04	**147.56E**±.05	**24**	**3.0**	¶97vi1281	
JMA	**VI**	**09 00 40 29.1**±.2	**43.09N**±.02	**146.64E**±.02	**55**±3	**3.0**	¶97vi1304	
JMA	**VI**	**09 03 19 06.0**±.3	**43.78N**±.05	**146.92E**±.02	**125**±2		¶97vi1324	
ISC	**VI**	**09 08 49 42**±4.7	**44.2N**±.31	**146.7E**±.57	**169**		**10**	**1-3**
JMA	VI	09 08 49 42.2±.3	44.09N±.04	146.75E±.04	169		¶97vi1367	
ISC	**VI**	**09 18 03 42**±9.4	**43.7N**±.17	**146.8E**±.92	**16**		**16**	**1-5**
JMA	VI	09 18 03 35.2±.5	43.69N±.03	147.36E±.04	16	3.4	¶97vi1429	
JMA	**VI**	**09 21 14 53.3**±.3	**43.19N**±.02	**146.42E**±.03	**49**±3	**3.4**	¶97vi1442	
ISC	**VI**	**10 03 08 06**±2.7	**47.2N**±.12	**152.3E**±.14	**64**±26	**4.2b**	**49**	**4-149**
NEIC	VI	10 03 08 08.1	47.02N	152.42E	92	4.3b	¶97vi1469	
MOS	VI	10 03 08 09.9	46.7N	152.9E	123	4.3b		
EIDC	VI	10 03 08 10.3	47.2N	152.3E	95	3.8b		
NEIC	Less reliable solution.							
JMA	**VI**	**10 10 08 38.6**±.4	**43.26N**±.03	**147.24E**±.03	**56**	**3.1**	¶97vi1508	
ISC	**VI**	**10 11 36 00**±8.7	**43.5N**±.13	**146.0E**±.85	**59**±38		**14**	**0-4**
JMA	VI	10 11 35 56.5±.4	43.46N±.02	146.33E±.04	74±3		¶97vi1516	
ISC	**VI**	**10 17 54 30**±5.7	**43.1N**±.31	**146.2E**±.59	**76**		**9**	**0-3**
JMA	VI	10 17 54 29.3±.3	43.09N±.02	146.24E±.03	76±3		¶97vi1555	
JMA	**VI**	**10 22 44 40.3**±.4	**43.57N**±.03	**146.94E**±.03	**35**	**2.8**	¶97vi1575	
JMA	**VI**	**11 05 15 30.2**±.2	**43.14N**±.01	**146.32E**±.02	**49**±2	**3.3**	¶97vi1623	
ISC	**VI**	**11 17 10 27**±6.5	**44.2N**±.58	**146.7E**±.65	**158**		**8**	**1-3**
JMA	VI	11 17 10 26.5±.4	44.16N±.05	146.71E±.06	158		¶97vi1726	
ISC	**VI**	**11 20 52 55**±1.8	**43.3N**±.20	**147.2E**±.19	**49**		**11**	**1-56**
JMA	VI	11 20 53 01.8±.3	43.26N±.02	146.46E±.03	49±3	2.8	¶97vi1751	
JMA	**VI**	**11 22 14 23.9**±.4	**43.66N**±.04	**147.51E**±.04	**17**	**3.6**	¶97vi1760	
JMA	**VI**	**11 22 55 54.9**±.2	**43.52N**±.03	**147.31E**±.02	**60**±4	**2.8**	¶97vi1765	
JMA	**VI**	**12 12 26 23.9**±.6	**44.04N**±.06	**148.02E**±.06	**17**	**3.4**	¶97vi1843	
JMA	**VI**	**12 12 59 17.4**±.3	**43.66N**±.02	**147.27E**±.03	**38**	**3.1**	¶97vi1851	
JMA	**VI**	**12 14 42 11.3**±.0	**43.34N**±.00	**146.35E**±.00	**79**±		¶97vi1860	
JMA	**VI**	**13 08 59 51.8**±.4	**43.19N**±.03	**146.77E**±.04	**48**±5	**3.2**	¶97vi1958	
ISC	**VI**	**13 10 32 13**±2.3	**45.1N**±.13	**151.0E**±.21	**38**±22	**3.5b**	**40**	**4-80**
NEIC	VI	13 10 32 12.5	45.43N	150.77E	33		¶97vi1972	
JMA	VI	13 10 32 14.2±.6	45.13N±.07	151.20E±.08	40	3.9		

EIDC	VI	13 10 32 26.1	45.5N	150.6E	142	3.2b					
NEIC	Single network solution.										
JMA	**VI**	**13 11 14 45.0**±.4	**43.20N**±.03	**146.45E**±.04	**49**±4	**2.9**		**¶97vi1975**			
ISC	**VI**	**13 17 44 49**±5.8	**44.0N**±.72	**146.6E**±.56	**137**			**5**	**1-3**		
JMA	VI	13 17 44 49.5±.3	43.97N±.04	146.52E±.04	137			¶97vi2019			
JMA	**VI**	**14 02 21 05.3**±.6	**43.70N**±.04	**147.34E**±.05	**19**	**3.4**		**¶97vi2075**			
JMA	**VI**	**14 03 19 02.4**±.5	**43.77N**±.05	**147.51E**±.04	**39**	**2.9**		**¶97vi2080**			
ISC	**VI**	**14 09 13 55**±8.5	**43.4N**±.18	**147.1E**±.82	**12**			**19**	**1-7**		
JMA	VI	14 09 13 48.2±.4	43.40N±.03	147.65E±.03	12	3.2		¶97vi2108			
JMA	**VI**	**14 16 10 55.4**±.4	**43.30N**±.02	**146.60E**±.04	**39**±3	**2.9**		**¶97vi2145**			
ISC	**VI**	**15 01 32 43**±2.0	**43.54N**±.075	**147.5E**±.21	**66**±20	**3.6b**		**40**	**1-83**		
NEIC	VI	15 01 32 41.9	44.13N	147.33E	33	3.7b		¶97vi2205			
JMA	VI	15 01 32 44.7±.4	43.67N±.02	147.30E±.04	39	3.6					
EIDC	VI	15 01 32 46.9	43.8N	147.2E	80	3.4b,2.9L					
NEIC	Poor solution.										
ISC	**VI**	**15 10 32 57**±1.2	**47.1N**±.25	**151.6E**±.24	**100**	**3.7b**		**8**	**20-78**		
NEIC	VI	15 10 32 56.7	47.04N	151.64E	100	3.4b		¶97vi2280			
EIDC	VI	15 10 33 01.1	47.0N	151.7E	127	3.4b,3.6L					
NEIC	Less reliable solution.										
JMA	**VI**	**15 13 07 57.5**±.3	**43.66N**±.02	**147.22E**±.02	**49**±5	**3.2**		**¶97vi2302**			
JMA	**VI**	**15 13 49 17.4**±.4	**43.67N**±.03	**147.18E**±.04	**53**	**2.8**		**¶97vi2310**			
JMA	**VI**	**16 04 20 29.1**±.4	**43.61N**±.04	**147.14E**±.03	**44**	**2.9**		**¶97vi2404**			
ISC	**VI**	**16 14 00 54**±5.4	**44.1N**±.17	**147.2E**±.56	**152**±19			**37**	**1-8**		
JMA	VI	16 14 00 58.0±.4	44.07N±.03	146.85E±.04	133±3			¶97vi2475			
ISC	**VI**	**16 14 59 37**±1.2	**43.04N**±.039	**147.0E**±.12	**48**±10	**3.9b**		**78**	**1-83**		
JMA	VI	16 14 59 36.3±.5	43.20N±.02	147.00E±.04	23±5	4.0		¶97vi2483			
BJI	VI	16 14 59 37.3	43.40N	146.70E	33						
NEIC	VI	16 14 59 37.3	43.43N	146.73E	33						
MOS	VI	16 14 59 39.2	43.1N	146.8E	69	5.2b					
EIDC	VI	16 14 59 40.5	43.6N	146.7E	37	3.7b,3.8L					
NEIC	Less reliable solution.										
JMA	**VI**	**17 04 24 06.7**±.2	**43.55N**±.02	**147.51E**±.02	**44**	**2.8**		**¶97vi2552**			
ISC	**VI**	**17 14 46 25**±6.2	**43.1N**±.16	**147.0E**±.65	**57**±49			**24**	**1-7**		
JMA	VI	17 14 46 31.7±.2	43.13N±.01	146.30E±.02	51±2	3.2		¶97vi2646			
JMA	**VI**	**18 08 20 27.6**±.6	**43.60N**±.04	**147.16E**±.05	**33**	**2.9**		**¶97vi2754**			
ISC	**VI**	**18 09 09 55**±6.8	**44.9N**±.29	**147.5E**±.68	**174**			**28**	**2-8**		
JMA	VI	18 09 09 57.8±.6	44.68N±.04	147.32E±.08	174			¶97vi2764			
ISC	**VI**	**18 12 09 26.5**±.94	**43.54N**±.045	**147.96E**±.093	**69**±9.6	**4.1b**		**103**	**2-149**		
NEIC	VI	18 12 09 24.4	44.01N	147.75E	33	4.6b		¶97vi2780			
MOS	VI	18 12 09 25.5	44.0N	147.6E	44	4.9b					
EIDC	VI	18 12 09 27.8	44.1N	147.8E	42	4.0b,3.8L					
SKHL	VI	18 12 09 28.0	43.9N±.13	148.1E±.15	70±5						
JMA	VI	18 12 09 28.3±.4	43.57N±.03	147.71E±.04	34	4.0					
SKHL	K10.5										
ISC	**VI**	**18 17 46 36.2**±.90	**47.33N**±.057	**153.13E**±.068	**65**±8.0	**4.4b**		**98**	**4-148**		
BJI	VI	18 17 46 33.3	47.28N	153.39E	57	4.6b		¶97vi2816			
SKHL	VI	18 17 46 35.0	47.3N±.10	153.4E±.15	50±1						
NEIC	VI	18 17 46 35.3	47.35N	153.05E	59	4.6b					
MOS	VI	18 17 46 37.1	47.3N	153.2E	75	4.9b					
EIDC	VI	18 17 46 37.1	47.4N	153.1E	59	4.1b					
SKHL	K10.5										
JMA	**VI**	**19 02 55 10.4**±.4	**43.88N**±.02	**146.50E**±.04	**69**±3			**¶97vi2862**			
JMA	**VI**	**19 17 57 56.4**±.6	**43.62N**±.04	**147.68E**±.05	**14**	**3.2**		**¶97vi2947**			
ISC	**VI**	**20 05 01 21**±1.2	**43.04N**±.055	**147.1E**±.12	**44**±11	**3.9b**		**64**	**1-94**		
EIDC	VI	20 05 01 16.7	43.2N	146.8E	0	4.0b,3.1L		¶97vi3016			
NEIC	VI	20 05 01 19.6	43.20N	146.71E	33	4.1b					
MOS	VI	20 05 01 20.6	42.9N	148.2E	33	4.9b					
SKHL	VI	20 05 01 23.0	43.2N±.02	146.9E±.02	60±2						
JMA	VI	20 05 01 23.1±.5	43.19N±.02	146.84E±.04	46	3.9					
NEIC	Less reliable solution.										
SKHL	K10										
JMA	**VI**	**20 08 29 58.3**±.3	**43.18N**±.02	**146.94E**±.03	**64**±4			**¶97vi3029**			
JMA	**VI**	**20 11 26 41.6**±.3	**43.32N**±.02	**147.24E**±.02	**51**±5	**3.2**		**¶97vi3047**			
JMA	**VI**	**20 12 32 06.8**±.3	**43.33N**±.02	**146.55E**±.03	**75**±3			**¶97vi3055**			
ISC	**VI**	**20 15 20 28**±3.5	**45.1N**±.19	**148.5E**±.40	**169**±34	**3.2b**		**8**	**7-81**		
NEIC	VI	20 15 20 26.3	45.13N	148.70E	150			¶97vi3076			
EIDC	VI	20 15 20 29.7	45.2N	148.4E	156	3.1b					
NEIC	Single network solution.										
JMA	**VI**	**20 17 09 31.8**±.4	**43.40N**±.03	**146.91E**±.04	**37**	**2.8**		**¶97vi3089**			
JMA	**VI**	**21 02 53 39.9**±.5	**43.67N**±.03	**147.33E**±.04	**22**	**3.1**		**¶97vi3141**			
JMA	**VI**	**21 22 01 52.8**±.4	**43.70N**±.03	**146.86E**±.04	**59**±5	**2.9**		**¶97vi3279**			
ISC	**VI**	**22 08 35 28.0**±.95	**48.0N**±.18	**152.6E**±.23	**150**	**3.4b**		**9**	**21-149**		
EIDC	VI	22 08 35 29.9	48.0N	152.5E	151	3.2b		¶97vi3350			
JMA	**VI**	**22 17 09 18.8**±.5	**43.28N**±.04	**146.78E**±.04	**62**			**¶97vi3414**			
ISC	**VI**	**22 17 15 20.8**±.59	**43.94N**±.038	**146.97E**±.077	**88**±6.5	**4.0b**		**110**	**1-149**		
NEIC	VI	22 17 15 20.2	44.21N	146.70E	79	4.4b		¶97vi3416			
EIDC	VI	22 17 15 21.8	44.3N	146.8E	79	3.9b					
SKHL	VI	22 17 15 22.0	44.1N±.10	146.7E±.15	80±1						
JMA	VI	22 17 15 22.2±.4	43.95N±.02	146.89E±.04	73±4						
MOS	VI	22 17 15 22.3	44.2N	146.6E	102	4.4b					
SKHL	K10										
JMA	**VI**	**22 20 11 36.8**±.5	**43.62N**±.04	**147.18E**±.04	**46**	**2.9**		**¶97vi3431**			
JMA	**VI**	**23 03 54 54.0**±.3	**43.52N**±.02	**146.97E**±.03	**67**±4			**¶97vi3480**			
JMA	**VI**	**23 15 03 21.8**±.3	**43.34N**±.02	**147.24E**±.03	**44**	**3.0**		**¶97vi3543**			
ISC	**VI**	**23 16 30 40**±2.0	**46.24N**±.056	**153.07E**±.062	**26**±14	**4.4b,4.5s**		**121**	**4-149**		
BJI	VI	23 16 30 40.3	46.38N	153.03E	34	4.7b,4.5s		¶97vi3559			
NEIC	VI	23 16 30 40.6	46.18N	153.01E	39	4.7b,4.5s					
MOS	VI	23 16 30 41.0	46.4N	153.0E	32	4.9b,4.6s					
SKHL	VI	23 16 30 41.0	46.3N±.10	153.1E±.10	37±4						
EIDC	VI	23 16 30 42.5	46.2N	153.0E	36	3.9b,3.9L					
JMA	**VI**	**24 09 49 16.2**±.3	**43.11N**±.02	**146.37E**±.03	**60**±3	**2.4**		**¶97vi3689**			
JMA	**VI**	**24 21 55 05.8**±.5	**43.49N**±.05	**147.80E**±.05	**26**	**2.9**		**¶97vi3789**			
JMA	**VI**	**25 08 07 15.0**±.3	**43.49N**±.05	**146.09E**±.04	**91**			**¶97vi3871**			
ISC	**VI**	**25 13 01 17.7**±.71	**43.07N**±.034	**146.55E**±.082	**68**±6.4	**4.2b**		**110**	**1-93**		
MOS	VI	25 13 01 17.2	43.2N	146.4E	56	5.0b		¶97vi3940			
NEIC	VI	25 13 01 17.9	43.34N	146.34E	59	4.7b					
EIDC	VI	25 13 01 19.7	43.3N	146.4E	60	4.0b					
SKHL	VI	25 13 01 20.0	43.3N±.10	146.4E±.10	60±1						
JMA	VI	25 13 01 20.4±.3	43.15N±.02	146.31E±.03	62±2	4.0					
SKHL	K10										
ISC	**VI**	**25 16 39 31**±5.5	**43.4N**±.25	**146.0E**±.69	**65**			**5**	**0-2**		
JMA	VI	25 16 39 30.8±.3	43.44N±.01	146.05E±.02	65±2			¶97vi3986			
ISC	Poorly determined										
JMA	**VI**	**25 20 42 23.6**±.7	**43.64N**±.06	**147.44E**±.06	**17**	**3.3**		**¶97vi4029**			
ISC	**VI**	**26 05 08 36**±2.0	**43.29N**±.095	**147.3E**±.21	**76**±18	**3.5b**		**42**	**1-142**		
EIDC	VI	26 05 08 30.4	43.7N	147.4E	0	3.7b,2.9L		¶97vi4087			
NEIC	VI	26 05 08 33.4	43.68N	147.26E	33						
JMA	VI	26 05 08 36.0±.5	43.32N±.03	147.28E±.04	47	3.8					
NEIC	Single network solution.										
JMA	**VI**	**26 10 51 01.8**±.4	**43.56N**±.03	**147.27E**±.04	**43**	**2.9**		**¶97vi4124**			
JMA	**VI**	**26 11 12 59.1**±.5	**44.04N**±.07	**148.21E**±.05	**2**	**2.8**		**¶97vi4127**			
ISC	**VI**	**26 17 49 07**±5.4	**43.3N**±.32	**146.2E**±.67	**78**			**6**	**0-2**		
JMA	VI	26 17 49 07.0±.3	43.27N±.02	146.20E±.02	78±3			¶97vi4175			
ISC	Poorly determined										
ISC	**VI**	**26 23 23 19**±1.8	**44.24N**±.083	**149.3E**±.18	**72**±17	**3.8b**		**52**	**3-81**		
NEIC	VI	26 23 23 17.1	44.75N	148.98E	33			¶97vi4209			
JMA	VI	26 23 23 19.2±.5	44.26N±.05	149.22E±.05	0	4.0					
EIDC	VI	26 23 23 19.6	44.7N	149.0E	39	3.7b,3.6L					
NEIC	Less reliable solution.										
JMA	**VI**	**28 15 37 44.2**±.4	**43.88N**±.03	**147.88E**±.04	**65**			**¶97vi4499**			
JMA	**VI**	**28 21 45 03.8**±.3	**43.04N**±.02	**146.84E**±.03	**62**±4			**¶97vi4528**			
JMA	**VI**	**28 23 21 29.0**±.4	**43.39N**±.03	**146.79E**±.04	**53**±4	**3.0**		**¶97vi4540**			
ISC	**VI**	**29 04 26 37**±3.2	**46.2N**±.11	**153.0E**±.16	**24**±22	**4.0b**		**28**	**4-148**		
EIDC	VI	29 04 26 34.9	46.3N	152.9E	0	3.9b,3.7L		¶97vi4569			
SKHL	VI	29 04 26 38.0	46.2N±.09	153.2E±.12	37±5						
NEIC	VI	29 04 26 38.2	46.22N	152.88E	33	4.6b					
BJI	VI	29 04 26 42.2	46.90N	152.06E	31	4.5b					
MOS	VI	29 04 26 42.4	46.7N	152.7E	33	5.0b					
SKHL	K10										
NEIC	Less reliable solution.										
JMA	**VI**	**30 16 41 10.8**±.3	**43.16N**±.02	**146.74E**±.03	**55**±3	**3.0**		**¶97vi4790**			

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JMA	**I**	**01 07 09 41.1**±.6	**44.81N**±.07	**151.38E**±.07	**26**	**3.8**		**¶97i0037**			
ISC	**I**	**02 08 30 14**±1.8	**49.7N**±.16	**157.6E**±.23	**24**	**3.9b**		**9**	**1-73**		
EIDC	I	02 08 29 57.4	49.4N	153.7E	0	3.8b		¶97i0176			
KRSC	I	02 08 30 14.9	49.84N	157.62E	24	3.8b					
KRSC	**I**	**02 12 01 23.6**	**49.62N**	**157.63E**	**55**	**3.7b**		**1-3**			
								¶97i0201			
ISC	**I**	**03 11 21 44**±2.9	**44.0N**±.15	**149.4E**±.26	**49**±27	**3.6b**		**21**	**3-81**		
NEIC	I	03 11 21 42.4	43.99N	149.30E	33			¶97i0361			
EIDC	I	03 11 21 45.6	44.0N	149.2E	42	3.4b					
NEIC	Poor solution.										
ISC	**I**	**04 20 31 40**±1.3	**49.5N**±.13	**157.0E**±.22	**40**	**3.4b**		**12**	**1-56**		
KRSC	I	04 20 31 34.8	49.10N	156.63E	40	4.2b		¶97i0582			
SKHL	I	04 20 31 37.0	49.2N±.11	156.6E±.33	30						
EIDC	I	04 20 31 38.4	50.3N	156.3E	0	3.4b					
NEIC	I	04 20 31 40.9	50.28N	156.37E	33						
SKHL	K9.5										
NEIC	Poor solution.										
ISC	**I**	**06 00 37 52**±5.7	**50.5N**±.44	**158.1E**±.46	**39**			**6**	**1-3**		
KRSC	I	06 00 37 54.8	50.69N	157.87E	39	3.6b		¶97i0729			
ISC	**I**	**06 09 15 15**±4.8	**50.9N**±.38	**158.3E**±.52	**47**			**6**	**1-2**		
KRSC	I	06 09 15 15.8	51.00N	158.23E	47	3.2b		¶97i0766			
ISC	**I**	**09 16 23 37**±1.3	**43.96N**±.059	**149.3E**±.12	**36**±14	**3.9b**		**67**	**2-81**		
EIDC	I	09 16 23 35.6	44.2N	149.0E	0	3.8b,3.6L		¶97i1246			
NEIC	I	09 16 23 38.0	44.28N	148.86E	33	4.4b					
SKHL	I	09 16 23 40.0	44.3N±.14	148.9E±.17	45						
JMA	I	09 16 23 41.3±.6	44.14N±.05	149.01E±.06	55	4.1					
NEIC	Less reliable solution.										
SKHL	K10										
ISC	**I**	**09 21 51 23**±1.8	**43.35N**±.042	**148.03E**±.082	**15**±13	**4.1b**		**88**	**2-82**		
NEIC	I	09 21 51 25.5	43.46N	147.77E	33	4.6b		¶97i1280			
JMA	I	09 21 51 26.5±.6	43.46N±.04	147.62E±.06	18	3.9					
SKHL	I	09 21 51 27.0	43.5N±.09	147.7E±.10	40						
EIDC	I	09 21 51 29.2	43.7N	147.7E	40	3.8b,3.8L					
NEIC	Less reliable solution.										
SKHL	K10										
JMA	**I**	**12 21 54 11.4**±.3	**43.91N**±.04	**148.00E**±.03	**31**	**3.6**		**¶97i1747**			
ISC	**I**	**13 05 57 52**±1.1	**43.34N**±.072	**148.1E**±.13	**33**	**3.9b**		**38**	**2-70**		
EIDC	I	13 05 57 19.9	38.2N	147.7E	0	4.0b		¶97i1784			
JMA	I	13 05 57 56.5±.6	43.58N±.04	147.58E±.05	33	3.7					
EIDC	**I**	**19 07 23 21.6**	**43.9N**	**150.9E**	**0**	**3.6b**		**28-66**			
								¶97i2804			
JMA	**I**	**19 17 07 47.9**±.3	**43.83N**±.04	**148.02E**±.03	**32**	**3.2**		**¶97i2867**			
KRSC	**I**	**21 16 41 33.7**	**49.46N**	**157.56E**	**57**	**3.8b**		**2-4**			
								¶97i3204			
JMA	**I**	**29 04 56 50.1**±.5	**43.93N**±.07	**148.36E**±.05	**16**	**3.0**		**¶97i4307**			
JMA	**II**	**09 06 23 27.3**±.6	**44.31N**±.10	**150.38E**±.07	**0**	**3.3**		**¶97ii1270**			
ISC	**II**	**15 21 36 41**±13	**49.7N**±.99	**157.8E**±.43	**40**			**6**	**1-4**		
KRSC	II	15 21 36 47.0	50.11N	157.64E	40	3.4b		¶97ii2298			
ISC	**II**	**21 23 40 26.3**±.11	**43.70N**±.019	**149.09E**±.025	**54**±1.4*	**5.9b,5.8s**		**795**	**2-152**		
EIDC	II	21 23 40 20.5	43.9N	149.1E	0	5.7b,5.8s		¶97ii3140			
NEIC	II	21 23 40 24.1	43.83N	149.17E	33	6.1b,5.6s					
JMA	II	21 23 40 24.3±.6	43.95N±.04	149.42E±.06	60	5.8					
BJI	II	21 23 40 25.9	44.01N	149.01E	42	5.8b,5.9s					
SKHL	II	21 23 40 26.0	44.0N±.12	149.3E±.20	49±6						
HRVD	II	21 23 40 26.9±.1	43.90N±.01	149.22E±.01	31±.9						
MOS	II	21 23 40 27.1	44.2N	149.1E	46	6.5b,6.1s					
NEIC	Me6.8(GS), Mw6.6(OBN)										
NEIC	Mw 6.1 (HRV), 6.0 (GS)										
NEIC	Radiated energy from the P−wave first−motion solution: 3.1±1.0×10^{14}Nm/17										
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S140°,δ70°,λ0°. NP2:ϕ_S230°,δ90°,λ−160°. Principal axes: T Plg14°,Azm3°; P Plg14°,Azm97°.										
NEIC	Moment tensor solution: s50, scale 10^{18}Nm; M_{rr}0.14; $M_{\theta\theta}$1.03; $M_{\phi\phi}$−1.17; $M_{r\theta}$0.38; $M_{r\phi}$0.07; $M_{\theta\phi}$0.01. Depth 27km; Principal axes: T 1.17,Plg20°,Azm359°; N 0.00,Plg69°,Azm188°; P −1.17,Plg3°,Azm90°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S136°,δ74°,λ13°. NP2: ϕ_S43°,δ78°,λ163°.										
SKHL	Felt I=II MSK at Kurilsk										
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c101; Mantle waves: s41,c64; Half duration: 2s7. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.16±.01; $M_{\theta\theta}$1.38±.01; $M_{\phi\phi}$−1.22±.01; $M_{r\theta}$0.73±.03; $M_{r\phi}$0.25±.03; $M_{\theta\phi}$−0.19±.01. Principal Axes: T 1.68,Plg22°,Azm2°; N −0.35,Plg62°,Azm224°; P −1.33,Plg17°,Azm99°. Best double couple: $M_0$1.5×10^{18}Nm, NP1:ϕ_S141°,δ62°,λ3°. NP2:ϕ_S50°,δ87°,λ152°.										
MOS	Felt I=II MSK at Kurilsk.										
MOS	Focal mechanism: C60, D6; NP1:ϕ_S162°,δ35°,λ30°. NP2:ϕ_S47°,δ73°,λ121°. Principal axes: T Plg52°,Azm352°; N Plg29°,Azm217°; P Plg22°,Azm114°. M_0 8.4×10^{18}Nm (after OBN)										
ISC	**II**	**23 22 11 52**±2.7	**43.9N**±.26	**148.1E**±.33	**118**±26	**3.7b**		**18**	**2-82**		
JMA	II	23 22 11 48.0±.6	43.84N±.06	148.47E±.06	119			¶97ii3380			
EIDC	II	23 22 12 04.3	47.9N	147.5E	0	3.8b					
JMA	**II**	**24 19 13 51.7**±.7	**43.38N**±.12	**151.23E**±.07	**8**	**3.4**		**¶97ii3531**			
ISC	**II**	**25 11 53 48.8**±.79	**43.70N**±.037	**148.07E**±.077	**42**±7.2	**4.2b,3.7s**		**105**	**2-149**		
JMA	II	25 11 53 45.7±.5	43.65N±.04	148.02E±.05	0	4.4		¶97ii3619			
MOS	II	25 11 53 48.2	43.7N	147.8E	33	5.1b					
BJI	II	25 11 53 48.4	43.93N	148.13E	41	4.7b					
NEIC	II	25 11 53 48.5	43.92N	147.73E	33	4.4b					
SKHL	II	25 11 53 51.0	43.90N±.11	147.90E±.13	30±1						
EIDC	II	25 11 53 53.7	44.0N	147.7E	58	3.9b,3.6s					
SKHL	K10										

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**26 19 01 08.9**±.87	**48.88N**±.059	**156.22E**±.077	**34**±6.9	**4.2b**,5.5s	**88**	**2-146**
BJI	II	26 19 01 09.5	48.89N	156.09E	45	4.7b,4.6s		**¶97ii3842**
SKHL	II	26 19 01 10.0	48.8N±.09	156.6E±.22	50±1			
MOS	II	26 19 01 10.2	48.8N	156.2E	47	4.9b		
NEIC	II	26 19 01 10.2	48.93N	156.05E	45	4.6b		
KRSC	II	26 19 01 11.7	49.07N	156.80E	20	4.4b		
EIDC	II	26 19 01 11.9	48.9N	156.0E	47	3.9b,4.0L		
SKHL	K10							
ISC	**II**	**26 20 38 35**±1.3	**48.7N**±.20	**156.4E**±.25	**33**	**3.6b**	**11**	**18-78**
EIDC	II	26 20 38 31.6	48.7N	156.4E	0	3.6b,3.9L		**¶97ii3850**
NEIC	II	26 20 38 34.5	48.70N	156.42E	33			
NEIC	Single network solution.							
ISC	**II**	**26 21 48 01**±1.0	**48.9N**±.21	**156.3E**±.18	**55**±4.5*	**3.6b**	**17**	**24-77**
NEIC	II	26 21 47 58.5	49.02N	156.21E	33			**¶97ii3858**
EIDC	II	26 21 48 03.0	49.0N	156.2E	60	3.3b		
NEIC	Less reliable solution.							
JMA	**II**	**27 07 33 33.6**±.3	**44.44N**±.11	**151.22E**±.05	**0**	**3.2**		**¶97ii3921**
ISC	**II**	**28 12 31 24**±1.8	**43.9N**±.26	**148.1E**±.24	**5**	3.0b	**13**	**2-55**
JMA	II	28 12 31 27.1±.3	43.76N±.03	147.74E±.05	5±5	3.5		**¶97ii4246**
ISC	**III**	**02 01 04 16.0**±.53	**43.79N**±.027	**148.04E**±.049	**41**±4.4	**5.1b,4.3s**	**357**	**1-153**
EIDC	III	02 01 04 12.5	44.1N	147.8E	0	4.8b,4.2s		**¶97iii0221**
BJI	III	02 01 04 15.2	44.10N	147.94E	35	5.0b,4.4s		
JMA	III	02 01 04 15.3±.5	43.71N±.03	147.88E±.05	7	4.9		
MOS	III	02 01 04 15.7	43.9N	147.9E	33	5.5b		
NEIC	III	02 01 04 15.9	44.00N	147.85E	33	5.2b,4.2s		
SKHL	III	02 01 04 17.0	44.0N±.05	148.0E±.10	34±3			
ISC	**III**	**02 21 38 03**±1.6	**51.0N**±.12	**158.6E**±.15	**50**±12	**3.8b**	**25**	**1-145**
MOS	III	02 21 38 01.8	50.9N	158.8E	38	4.0b		**¶97iii0409**
NEIC	III	02 21 38 03.2	51.04N	158.63E	49	3.4b		
KRSC	III	02 21 38 03.3	50.98N	158.74E	40	4.0b		
EIDC	III	02 21 38 05.2	51.0N	158.6E	45	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**03 08 22 57**±3.5	**50.9N**±.31	**158.2E**±.42	**48**±34	**3.4b**	**12**	**1-73**
KRSC	III	03 08 22 57.7	50.86N	158.26E	40	3.9b		**¶97iii0518**
EIDC	III	03 08 23 05.1	51.4N	159.1E	56	3.2b		
ISC	**III**	**03 09 52 33.2**±.68	**43.58N**±.090	**148.37E**±.094	**7**	**3.8b**	**39**	**2-82**
JMA	III	03 09 52 38.5±.6	43.71N±.05	147.75E±.05	7	3.6		**¶97iii0543**
NEIC	III	03 09 52 44.3	44.08N	147.73E	100	4.5b		
EIDC	III	03 09 52 47.8	44.1N	147.6E	120	3.3b		
NEIC	Less reliable solution.							
ISC	**III**	**03 19 04 31.3**±.73	**45.6N**±.16	**154.1E**±.20	**33**	**3.7b**	**10**	**22-77**
EIDC	III	03 19 04 27.9	45.5N	154.1E	0	3.8b		**¶97iii0664**
NEIC	III	03 19 04 31.1	45.59N	154.03E	33	3.5b		
NEIC	Less reliable solution.							
ISC	**III**	**05 12 32 13**±5.1	**48.7N**±.37	**156.3E**±.62	**91**	3.1b	**6**	**2-48**
KRSC	III	05 12 32 20.1	49.30N	156.45E	91	3.9b		**¶97iii1059**
ISC	**III**	**07 03 00 45**±2.7	**44.6N**±.37	**152.0E**±.38	**10**	**3.7b**	**23**	**5-80**
JMA	III	07 03 00 57.0±.5	44.39N±.08	150.79E±.06	10	3.9		**¶97iii1410**
EIDC	III	07 03 01 05.1	47.5N	149.5E	0	3.6b		
ISC	**III**	**07 03 52 47**±2.8	**44.8N**±.30	**150.6E**±.25	**109**±33	**3.5b**	**26**	**4-124**
EIDC	III	07 03 52 43.9	46.7N	150.9E	0	3.7b		**¶97iii1431**
JMA	III	07 03 52 44.0±.5	44.45N±.08	150.93E±.05	45	3.9		
NEIC	III	07 03 52 46.9	46.60N	150.80E	33	3.3b		
NEIC	Poor solution.							
JMA	**III**	**08 04 54 08.5**±.4	**43.93N**±.06	**148.36E**±.04	**42**	**3.7**		**¶97iii1669**
ISC	**III**	**09 20 38 35**±1.1	**44.7N**±.23	**151.5E**±.17	**10**	**3.5b**	**23**	**4-80**
JMA	III	09 20 38 39.0±.6	44.95N±.08	151.29E±.08	10	3.7		**¶97iii2079**
EIDC	III	09 20 39 27.3	47.2N	151.3E	397	2.8b		
JMA	**III**	**11 06 21 41.3**±.4	**43.87N**±.06	**148.04E**±.03	**11**	**2.9**		**¶97iii2321**
JMA	**III**	**13 14 26 33.1**±.9	**43.21N**±.08	**148.23E**±.08	**0**	**2.8**		**¶97iii2719**
ISC	**III**	**13 14 40 14**±1.9	**43.15N**±.043	**148.04E**±.088	**22**±13	**3.8b**	**94**	**2-82**
JMA	III	13 14 40 15.7±.6	43.14N±.04	147.84E±.06	24	3.7		**¶97iii2725**
MOS	III	13 14 40 17.4	43.5N	148.1E	33	4.8b		
NEIC	III	13 14 40 17.5	43.37N	147.76E	43	4.5b		
SKHL	III	13 14 40 18.0	43.3N±.11	148.0E±.15	34±1			
BJI	III	13 14 40 18.8	43.87N	147.73E	53			
EIDC	III	13 14 40 20.1	43.4N	147.6E	45	3.6b,3.6L		
NEIC	Less reliable solution.							
SKHL	K10							
ISC	**III**	**20 07 30 26**±1.6	**43.68N**±.037	**148.19E**±.069	**26**±11	**4.2b**	**119**	**2-151**
BJI	III	20 07 30 26.5	43.73N	148.62E	57	4.6b		**¶97iii3864**
NEIC	III	20 07 30 27.0	43.77N	148.02E	33	4.7b		
JMA	III	20 07 30 27.2±.5	43.69N±.03	147.80E±.04	3	4.2		
MOS	III	20 07 30 27.4	43.8N	148.1E	35	5.1b		
SKHL	III	20 07 30 28.0	43.8N±.05	148.2E±.05	35±5			
EIDC	III	20 07 30 29.1	43.9N	148.0E	33	3.9b,3.9L		
SKHL	K10.5							
JMA	**III**	**21 09 24 07.7**±.6	**43.14N**±.06	**148.42E**±.06	**25**	**3.4**		**¶97iii4048**
JMA	**III**	**21 12 23 02.5**±.3	**44.98N**±.07	**151.13E**±.04	**54**	**3.6**		**¶97iii4073**
JMA	**III**	**22 16 13 48.8**±.3	**43.88N**±.03	**148.15E**±.03	**21**	**3.1**		**¶97iii4291**
JMA	**III**	**23 03 28 22.4**±.4	**43.83N**±.05	**148.18E**±.04	**8**	**2.9**		**¶97iii4377**
ISC	**III**	**25 14 31 09.3**±.25	**48.24N**±.045	**157.18E**±.049	**32**	**4.5b,4.5s**	**137**	**3-146**
SKHL	III	25 14 31 08.0	48.4N±.12	157.2E±.19	32±3			**¶97iii4744**
BJI	III	25 14 31 08.2	48.31N	157.17E	26	4.7b,4.7s		
NEIC	III	25 14 31 09.7	48.27N	157.46E	33	4.8b,4.7s		
EIDC	III	25 14 31 11.3	48.3N	157.3E	33	4.3b,4.3s		
MOS	III	25 14 31 12.8	48.6N	157.2E	54	5.0b,4.6s		
ISC	**III**	**26 06 21 34**±1.1	**45.0N**±.19	**152.1E**±.20	**33**	**3.6b**	**8**	**22-84**
EIDC	III	26 06 21 30.8	44.9N	152.2E	0	3.6b		**¶97iii4852**
NEIC	III	26 06 21 34.3	45.02N	152.15E	33			
NEIC	Single network solution.							
ISC	**III**	**27 21 48 34**±2.3	**43.68N**±.085	**148.2E**±.21	**40**±22	**3.6b**	**39**	**2-82**
JMA	III	27 21 48 34.2±.6	43.74N±.05	147.86E±.05	6	3.6		**¶97iii5318**
NEIC	III	27 21 48 41.9	43.99N	148.01E	100			
EIDC	III	27 21 48 42.7	44.0N	148.1E	93	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**28 08 15 12**±1.1	**49.90N**±.081	**157.5E**±.12	**47**±9.0	**4.0b**	**41**	**1-89**
SKHL	III	28 08 15 10.0	49.7N±.09	157.8E±.19	50±2			**¶97iii5387**
MOS	III	28 08 15 10.9	49.8N	157.6E	33	4.8b		
NEIC	III	28 08 15 11.0	49.95N	157.39E	33	4.3b		
KRSC	III	28 08 15 12.9	50.01N	157.65E	20	4.3b		
EIDC	III	28 08 15 13.2	50.0N	157.2E	33	3.8b,4.3L		
SKHL	K10							
NEIC	Less reliable solution.							
ISC	**III**	**29 11 55 37**±1.4	**43.58N**±.037	**148.69E**±.064	**22**±10	**4.4b,4.3s**	**160**	**2-151**
JMA	III	29 11 55 38.0±.5	43.53N±.03	148.31E±.05	0	4.1		**¶97iii5580**
BJI	III	29 11 55 38.0	43.99N	148.47E	28	4.8b,4.3s		
SKHL	III	29 11 55 38.0	43.7N±.25	148.6E±.36	29±1			
MOS	III	29 11 55 38.4	43.8N	148.4E	33	5.0b		
NEIC	III	29 11 55 38.6	43.77N	148.41E	33	4.7b		
EIDC	III	29 11 55 39.4	43.9N	148.3E	27	4.0b,3.8L		
SKHL	K10							
ISC	**IV**	**02 00 01 24.1**±.15	**44.30N**±.028	**152.88E**±.030	**34**±2.2*	**5.1b,4.8s**	**418**	**4-152**
EIDC	IV	02 00 01 20.0	44.3N	153.0E	0	4.7b,4.4s		**¶97iv0160**
HRVD	IV	02 00 01 22.5±.4	44.53N±.07	153.37E±.11	19			
JMA	IV	02 00 01 22.6±.7	44.77N±.11	153.01E±.08	30	5.4		
SKHL	IV	02 00 01 23.0	44.6N±.21	153.1E±.28	38±9			
BJI	IV	02 00 01 23.5	44.36N	152.85E	31	5.5b,4.9s		
NEIC	IV	02 00 01 23.8	44.35N	152.97E	33	5.3b,4.7s		
MOS	IV	02 00 01 27.6	44.9N	153.0E	37	5.6b,4.9s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c33; Half duration: 1$\hat{s}$1. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.53±.78; $M_{\theta\theta}$7.83±.49; $M_{\phi\phi}$−3.30±.87; $M_{r\theta}$2.12±1.89; $M_{r\phi}$−4.55±1.20; $M_{\theta\phi}$5.21±.83. Principal Axes: T 9.90,Plg1°,Azm339°; N 0.08, Plg47°,Azm70°; P −9.97,Plg43°,Azm248°. Best double couple: $M_0$9.9×10^{16}Nm, NP1:ϕ_S32°, δ60°,λ−148°. NP2:ϕ_S285°,δ62°,λ−34°.							
SKHL	K12							
NEIC	Mw5.3(HRV).							
ISC	**IV**	**02 10 43 23**±1.7	**43.9N**±.23	**148.0E**±.21	**27**	3.3b	**13**	**2-55**
JMA	IV	02 10 43 27.7±.5	43.78N±.03	147.51E±.04	27	3.2		**¶97iv0235**
ISC	**IV**	**03 21 18 21**±3.6	**45.1N**±.39	**152.2E**±.43	**79**±35	3.4b	**21**	**5-53**
JMA	IV	03 21 18 20.2±.7	46.10N±.12	151.99E±.12	48	3.9		**¶97iv0477**
EIDC	IV	03 21 18 21.5	47.1N	150.8E	0	3.3b,3.9L		
JMA	**IV**	**05 13 40 36.8**±.4	**43.89N**±.04	**148.09E**±.04	**0**	**2.9**		**¶97iv0777**
ISC	**IV**	**05 13 56 45**±5.1	**44.8N**±.60	**150.5E**±.78	**166**±58	2.7b	**24**	**4-54**
JMA	IV	05 13 56 44.8±.5	44.61N±.11	151.01E±.07	50	3.6		**¶97iv0781**
ISC	**IV**	**15 05 06 27.2**±.47	**49.63N**±.062	**159.14E**±.096	**36**	**3.9b**	**30**	**2-139**
NEIC	IV	15 05 06 26.6	49.54N	159.21E	33	4.4b		**¶97iv2561**
MOS	IV	15 05 06 26.7	49.5N	159.2E	33	4.5b		
KRSC	IV	15 05 06 26.9	49.67N	159.09E	36	4.0b		
EIDC	IV	15 05 06 28.5	49.5N	159.2E	32	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**16 04 53 41.0**±.52	**46.4N**±.11	**155.23E**±.096	**33**	**4.2b**	**47**	**7-147**
EIDC	IV	16 04 53 38.1	46.6N	155.3E	0	3.9b		**¶97iv2694**
NEIC	IV	16 04 53 41.6	46.61N	155.31E	33	4.7b		
MOS	IV	16 04 53 43.3	46.7N	155.3E	33	4.5b		
NEIC	Less reliable solution.							
JMA	**IV**	**18 14 47 53.5**±.8	**44.16N**±.11	**150.11E**±.09	**60**	**3.3**		**¶97iv3092**
ISC	**IV**	**19 22 01 56**±2.5	**43.98N**±.073	**148.5E**±.28	**114**±21	**3.7b**	**50**	**2-79**
JMA	IV	19 22 01 59.5±.3	43.76N±.02	148.14E±.03	101±4			**¶97iv3244**
ISC	**IV**	**21 08 12 49.9**±.70	**43.83N**±.067	**148.30E**±.084	**31**	**3.4b**	**42**	**2-82**
JMA	IV	21 08 12 56.0±.5	43.90N±.03	147.57E±.05	31	3.9		**¶97iv3426**
EIDC	IV	21 08 13 07.4	45.2N	144.1E	244	2.9b		
JMA	**IV**	**26 04 38 17.0**±.4	**44.63N**±.11	**152.44E**±.05	**20**	**4.0**		**¶97iv4465**
JMA	**IV**	**27 02 12 15.5**±.9	**44.02N**±.08	**150.09E**±.09	**0**	**3.6**		**¶97iv4642**
ISC	**IV**	**27 14 09 09.4**±.18	**45.97N**±.032	**153.08E**±.036	**43**±.6*	**4.9b,4.8s**	**320**	**4-149**
JMA	IV	27 14 09 06.0±.7	45.68N±.08	153.57E±.08	0	4.4		**¶97iv4739**
BJI	IV	27 14 09 07.8	46.30N	152.71E	14	5.1b,4.7s		
SKHL	IV	27 14 09 08.0	46.1N±.16	153.3E±.24	30±4			
MOS	IV	27 14 09 08.8	46.3N	153.1E	29	5.3b,4.7s		
NEIC	IV	27 14 09 08.8	46.15N	153.13E	33	5.1b,4.7s		
HRVD	IV	27 14 09 10.1±.8	46.78N±.11	153.76E±.11	35±7.7			
EIDC	IV	27 14 09 11.9	46.3N	152.9E	42	4.3b,4.0s		
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c15; Half duration: 1$\hat{s}$0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.95±.55; $M_{\theta\theta}$−0.75±.88; $M_{\phi\phi}$−3.20±.54; $M_{r\theta}$2.35±1.43; $M_{r\phi}$−3.35±1.37; $M_{\theta\phi}$−3.68±.59. Principal Axes: T 7.01,Plg52°,Azm44°; N −0.94,Plg36°,Azm204°; P −6.08,Plg9°,Azm301°. Best double couple: $M_0$6.5×10^{16}Nm, NP1: ϕ_S66°,δ48°,λ143°. NP2:ϕ_S183°,δ64°,λ49°.							
JMA	**IV**	**28 14 01 07.2**±.4	**44.29N**±.04	**150.14E**±.05	**0**	**3.5**		**¶97iv4932**
KRSC	**IV**	**30 02 37 32.7**	**49.66N**	**157.68E**	**60**	**3.7b**		**¶97iv5150**
ISC	**IV**	**30 03 19 27**±4.1	**49.5N**±.33	**157.8E**±.31	**39**	3.8b	**6**	**2-67**
KRSC	IV	30 03 19 28.3	49.68N	157.77E	39	4.0b		**¶97iv5155**
ISC	**V**	**05 06 56 44**±5.0	**45.9N**±.18	**153.0E**±.29	**213**±51	**3.2b**	**9**	**15-78**
NEIC	V	05 06 56 42.2	45.92N	153.06E	200	3.2b		**¶97v0753**
EIDC	V	05 06 56 44.5	45.9N	153.0E	207	3.1b		
NEIC	Less reliable solution.							
ISC	**V**	**05 16 33 49**±1.0	**43.53N**±.040	**148.05E**±.097	**35**±8.6	**4.0b,3.5s**	**94**	**2-150**
EIDC	V	05 16 33 47.4	43.8N	147.9E	0	3.9b,2.8s		**¶97v0815**
BJI	V	05 16 33 50.0	43.70N	148.32E	60	4.6b		
NEIC	V	05 16 33 50.1	43.77N	147.81E	33	4.3b,3.8s		
MOS	V	05 16 33 50.7	43.9N	148.1E	33	4.8b		
JMA	V	05 16 33 50.8±.4	43.56N±.03	147.65E±.03	13	4.4		
SKHL	V	05 16 33 51.0	43.6N±.05	147.8E±.10	40±1			
SKHL	K10							
JMA	**V**	**12 08 20 28.0**±.4	**43.93N**±.04	**148.13E**±.04	**19**	**3.6**		**¶97v1921**
JMA	**V**	**12 20 39 31.7**±.3	**44.90N**±.06	**151.53E**±.05	**0**	**3.6**		**¶97v2040**
ISC	**V**	**14 04 25 47**±2.7	**43.56N**±.067	**148.2E**±.26	**42**±28	**3.7b,**3.9s	**47**	**2-82**
EIDC	V	14 04 25 44.1	44.0N	147.8E	0	3.8b,3.9s		**¶97v2388**
NEIC	V	14 04 25 47.3	43.98N	147.76E	33			
JMA	V	14 04 25 48.7±.4	43.66N±.03	147.76E±.04	8	3.9		
NEIC	Poor solution.							
JMA	**V**	**19 05 29 37.1**±.4	**43.94N**±.05	**148.03E**±.05	**34**	**3.2**		**¶97v3204**
JMA	**V**	**21 00 07 38.7**±.9	**44.75N**±.08	**150.51E**±.10	**0**	**3.8**		**¶97v3480**
ISC	**V**	**22 00 49 49.7**±.82	**49.8N**±.17	**157.2E**±.25	**33**	**3.6b**	**9**	**27-77**
EIDC	V	22 00 49 46.5	49.7N	157.3E	0	3.7b		**¶97v3664**
NEIC	V	22 00 49 49.4	49.77N	157.22E	33			
NEIC	Poor solution.							
KRSC	**V**	**23 04 25 26.4**	**49.96N**	**158.96E**	**60**	**3.7b**		**¶97v3884**
JMA	**V**	**25 16 10 48.8**±.4	**44.03N**±.08	**151.86E**±.04	**0**	**3.6**		**¶97v4296**
ISC	**V**	**26 06 11 39**±1.1	**43.5N**±.22	**151.7E**±.26	**33**	**3.5b**	**6**	**27-80**
EIDC	V	26 06 11 36.1	43.5N	151.8E	0	3.4b		**¶97v4374**
NEIC	V	26 06 11 39.2	43.55N	151.71E	33			
NEIC	Single network solution.							
ISC	**V**	**28 18 32 31**±3.3	**46.6N**±.49	**154.6E**±.46	**75**±38	**3.3b**	**15**	**7-69**
EIDC	V	28 18 32 29.7	48.4N	153.0E	0	3.2b,3.5L		**¶97v4758**
JMA	**V**	**28 23 12 20.3**±.6	**43.22N**±.06	**149.21E**±.06	**0**	**3.5**		**¶97v4783**
ISC	**VI**	**06 05 45 10**±1.9	**46.3N**±.44	**154.8E**±.37	**33**	**3.6b**	**5**	**22-77**
EIDC	VI	06 05 45 07.1	46.2N	154.9E	0	3.5b		**¶97vi0890**
ISC	**VI**	**06 20 29 07**±1.4	**43.95N**±.087	**150.0E**±.14	**55**±11	**4.1b,**4.2s	**55**	**3-81**
EIDC	VI	06 20 29 03.1	44.3N	149.9E	0	4.0b,3.6L		**¶97vi0991**
BJI	VI	06 20 29 04.5	44.29N	150.37E	33	4.8b		
MOS	VI	06 20 29 05.5	44.1N	149.9E	33	4.8b		
NEIC	VI	06 20 29 06.2	44.33N	149.71E	33	4.4b		
JMA	VI	06 20 29 07.9±.8	44.70N±.08	149.86E±.09	46	3.7		
NEIC	Poor solution.							
ISC	**VI**	**07 02 35 36**±3.4	**43.45N**±.088	**148.1E**±.38	**88**±30	**3.5b**	**29**	**2-65**
EIDC	VI	07 02 35 28.5	43.3N	147.0E	0	3.6b		**¶97vi1030**
JMA	VI	07 02 35 40.1±.3	43.54N±.02	147.67E±.03	67±5			

JMA	**VI**	**12 09 47 58.8**±.6	**43.84N**±.08	**148.13E**±.06	**2**	**3.0**		¶97vi1822
ISC	**VI**	**12 18 25 53**±4.8	**43.4N**±.10	**148.1E**±.48	**44**		**50**	**2-9**
JMA	VI	12 18 25 58.0±.4	43.47N±.03	147.53E±.04	44	3.8		¶97vi1883
ISC	**VI**	**14 01 12 33.7**±.66	**44.7N**±.10	**152.9E**±.10	**2**	**3.7b**,2.5s	**38**	**5-79**
EIDC	VI	14 01 12 36.2	45.0N	152.8E	0	3.6b,3.7L		¶97vi2067
JMA	VI	14 01 12 38.3±.5	44.74N±.05	152.93E±.05	2	4.3		
NEIC	VI	14 01 12 39.1	44.99N	152.67E	33			
NEIC	Single network solution.							
JMA	**VI**	**24 07 54 29.0**±.5	**43.98N**±.06	**148.21E**±.05	**8**	**3.9**		¶97vi3674
ISC	**VI**	**25 19 58 19**±1.1	**45.6N**±.16	**152.0E**±.23	**33**	**3.8b**	**10**	**9-79**
EIDC	VI	25 19 58 15.8	45.6N	152.3E	0	3.9b		¶97vi4018
NEIC	VI	25 19 58 18.9	45.59N	152.07E	33			
NEIC	Less reliable solution.							
ISC	**VI**	**26 10 17 06**±1.3	**44.87N**±.074	**150.6E**±.13	**42**±14	**3.8b**	**58**	**2-151**
NEIC	VI	26 10 17 06.0	45.18N	150.33E	33			¶97vi4118
JMA	VI	26 10 17 07.7±.5	44.86N±.04	150.43E±.05	0	4.1		
SKHL	VI	26 10 17 09.0	45.3N±.05	150.2E±.05	60±5			
EIDC	VI	26 10 17 10.5	45.4N	150.0E	58	3.5b,3.7L		
NEIC	Less reliable solution.							
SKHL	K10							
JMA	**VI**	**26 10 34 38.1**±.5	**43.46N**±.06	**149.01E**±.05	**0**	**3.1**		¶97vi4120

(223) Eastern Sea of Japan.

ISC	**I**	**01 05 03 15**±8.4	**40.39N**±.076	**138.8E**±.30	**5**±55		**18**	**1-3**
JMA	I	01 05 03 16.0±.4	40.41N±.01	138.83E±.03	21	2.9		¶97i0027
JMA	**I**	**20 01 03 56.8**±.3	**43.42N**±.01	**139.68E**±.02	**7**	**2.9**		¶97i2916
ISC	**I**	**26 07 55 24**±6.0	**42.3N**±.12	**139.0E**±.58	**18**		**8**	**0-2**
JMA	I	26 07 55 24.7±.4	42.29N±.01	139.07E±.03	18±3	3.1		¶97i3908
ISC	**I**	**30 23 58 53**±5.2	**44.2N**±.32	**141.0E**±.30	**266**±38		**27**	**1-5**
JMA	I	30 23 58 55.5±.5	44.09N±.03	141.08E±.04	246±5			¶97i4566
ISC	**II**	**02 02 47 41**±8.0	**42.4N**±.23	**137.4E**±.86	**331**±38		**27**	**2-6**
JMA	II	02 02 47 45.5±.5	42.32N±.02	137.87E±.05	309±5			¶97ii0163
ISC	**II**	**08 15 28 54**±1.1	**42.1N**±.17	**136.9E**±.32	**33**	**3.6b**	**5**	**14-66**
EIDC	II	08 15 28 51.3	42.1N	137.0E	0	3.5b,3.4L		¶97ii1164
ISC	**II**	**08 23 50 19**±4.0	**44.3N**±.22	**141.0E**±.28	**267**±32		**28**	**1-6**
JMA	II	08 23 50 21.0±.4	44.28N±.02	141.06E±.04	246±4			¶97ii1223
ISC	**II**	**11 01 40 53**±7.6	**43.6N**±.34	**139.1E**±.73	**279**±54		**19**	**2-5**
JMA	II	11 01 40 53.8±.6	43.61N±.03	139.13E±.08	282			¶97ii1568
ISC	**II**	**16 02 16 41.8**±.48	**43.26N**±.043	**139.3E**±.11	**244**±5.5	**3.4b**	**69**	**1-75**
NEIC	II	16 02 16 40.7	43.36N	139.07E	232			¶97ii2327
EIDC	II	16 02 16 41.7	43.3N	139.0E	223	3.3b		
JMA	II	16 02 16 42.6±.2	43.24N±.01	139.31E±.03	237±2			
NEIC	Poor solution.							
ISC	**II**	**21 16 22 49**±6.8	**42.5N**±.13	**139.0E**±.60	**19**±20		**8**	**1-2**
JMA	II	21 16 22 49.7±.5	42.46N±.01	139.04E±.04	22±4	3.2		¶97ii3098
ISC	**II**	**24 04 39 02**±9.9	**39.6N**±.19	**138.9E**±.79	**24**±31		**10**	**1-2**
JMA	II	24 04 38 56.6±.5	39.62N±.01	138.48E±.04	20	2.9		¶97ii3427
ISC	**II**	**28 22 26 58**±7.9	**43.1N**±.21	**139.8E**±.70	**3**±22		**5**	**1-2**
JMA	II	28 22 26 56.6±.4	43.20N±.01	139.62E±.04	2±3	3.0		¶97ii4352
ISC	Poorly determined							
ISC	**III**	**19 16 50 09**±7.1	**42.3N**±.12	**138.7E**±.46	**4**±26		**11**	**1-2**
JMA	III	19 16 50 11.9±.6	42.32N±.02	138.92E±.05	19	2.8		¶97iii3735
ISC	**III**	**19 23 20 39**±11	**40.0N**±.18	**138.5E**±.81	**19**±34		**13**	**1-3**
JMA	III	19 23 20 39.9±.3	39.99N±.01	138.68E±.03	25	2.8		¶97iii3782
ISC	**III**	**22 23 13 08**±5.3	**42.02N**±.092	**138.9E**±.37	**10**±19		**11**	**0-2**
JMA	III	22 23 13 10.9±.4	42.01N±.01	139.17E±.03	15±2	3.4		¶97iii4335
ISC	**III**	**26 15 00 48**±7.8	**43.4N**±.12	**139.0E**±.64	**276**±56		**24**	**2-5**
JMA	III	26 15 00 48.8±.4	43.36N±.03	139.04E±.05	274±4			¶97iii5008
ISC	**III**	**27 20 39 43**±6.2	**42.06N**±.099	**138.8E**±.41	**6**±23		**11**	**0-2**
JMA	III	27 20 39 46.1±.5	42.06N±.02	139.03E±.04	17±4	2.9		¶97iii5306
ISC	**IV**	**02 09 02 51**±6.6	**42.5N**±.13	**139.0E**±.52	**6**±18		**11**	**1-2**
JMA	IV	02 09 02 53.3±.5	42.49N±.02	139.14E±.05	10±5	3.1		¶97iv0217
ISC	**IV**	**07 21 03 55**±1.9	**44.5N**±.11	**140.6E**±.19	**12**		**14**	**1-2**
JMA	IV	07 21 03 54.3±.4	44.52N±.01	140.55E±.03	12±5	2.9		¶97iv1225
ISC	**IV**	**11 20 12 08**±9.5	**39.7N**±.14	**138.8E**±.75	**22**±30		**12**	**1-2**
JMA	IV	11 20 12 05.3±.6	39.65N±.02	138.61E±.05	20	2.8		¶97iv1972
ISC	**IV**	**11 23 10 21**±5.9	**42.0N**±.10	**138.8E**±.42	**13**±20		**10**	**0-2**
JMA	IV	11 23 10 22.9±.6	42.06N±.02	139.01E±.05	26±4	3.1		¶97iv1986
ISC	**IV**	**12 00 37 20**±7.3	**42.3N**±.17	**139.0E**±.69	**23**		**5**	**0-2**
JMA	IV	12 00 37 21.1±.7	42.33N±.02	139.07E±.06	23	3.0		¶97iv1994
ISC	Poorly determined							
ISC	**IV**	**12 02 24 49**±2.2	**42.02N**±.050	**139.0E**±.11	**15**±13	**3.8b**	**29**	**0-79**
EIDC	IV	12 02 24 45.7	41.6N	138.9E	0	3.8b		¶97iv1998
NEIC	IV	12 02 24 49.2	41.68N	138.86E	33	3.4b		
JMA	IV	12 02 24 49.8±.4	42.02N±.02	139.05E±.04	28±3	3.8		
NEIC	Poor solution.							
ISC	**IV**	**13 03 26 51**±2.5	**43.0N**±.11	**139.3E**±.28	**33**		**19**	**1-4**
JMA	IV	13 03 26 50.2±.3	43.04N±.01	139.33E±.03	33±4	3.1		¶97iv2181
ISC	**IV**	**13 07 39 04**±5.2	**42.2N**±.10	**139.0E**±.37	**10**±19		**10**	**0-2**
JMA	IV	13 07 39 06.2±.5	42.17N±.01	139.13E±.04	17±3	3.0		¶97iv2209
ISC	**IV**	**13 21 57 58**±4.4	**42.07N**±.088	**138.9E**±.31	**11**±17		**13**	**0-3**
JMA	IV	13 21 57 59.5±.5	42.06N±.02	139.05E±.04	24±3	3.4		¶97iv2305
ISC	**IV**	**15 16 17 38**±2.7	**44.5N**±.17	**140.9E**±.19	**285**±22		**38**	**1-7**
JMA	IV	15 16 17 41.4±.3	44.35N±.02	141.02E±.04	252±3			¶97iv2623
ISC	**IV**	**16 07 58 11**±4.0	**43.1N**±.19	**139.7E**±.40	**262**±34		**25**	**2-6**
JMA	IV	16 07 58 11.0±.3	43.07N±.02	139.77E±.05	269±5			¶97iv2721
ISC	**IV**	**18 00 12 52**±4.5	**44.9N**±.27	**141.0E**±.25	**296**±35		**27**	**1-6**
JMA	IV	18 00 12 55.5±.2	44.69N±.03	141.20E±.06	272			¶97iv2997
ISC	**IV**	**21 23 27 10**±7.3	**42.4N**±.15	**138.9E**±.63	**9**±23		**8**	**1-2**
JMA	IV	21 23 27 13.0±.4	42.39N±.01	139.15E±.04	18±4	3.0		¶97iv3600
ISC	**IV**	**22 06 01 30**±6.8	**42.6N**±.16	**138.9E**±.60	**6**±26		**8**	**1-2**
JMA	IV	22 06 01 32.5±.4	42.54N±.01	139.08E±.04	16±5	2.9		¶97iv3653
ISC	**IV**	**22 12 24 37**±3.2	**43.0N**±.10	**139.3E**±.30	**16**±16		**12**	**1-2**
JMA	IV	22 12 24 37.3±.4	43.03N±.01	139.28E±.03	26±4	3.3		¶97iv3727
ISC	**IV**	**23 15 20 32.1**±.92	**43.05N**±.027	**139.27E**±.037	**19**±7.3	**4.6b,3.7s**	**173**	**1-159**
BJI	IV	23 15 20 26.8	43.22N	140.11E	33	4.3b,4.3s		¶97iv3985
JMA	IV	23 15 20 31.4±.2	43.04N±.01	139.24E±.02	32±3	4.0		
MOS	IV	23 15 20 33.7	43.1N	139.1E	33	5.2b		
NEIC	IV	23 15 20 33.7	43.08N	139.21E	33	4.8b,4.0s		
SKHL	IV	23 15 20 34.0	43.2N±.10	139.0E±.18	36±8			
EIDC	IV	23 15 20 36.5	43.1N	139.2E	47	4.3b,3.4s		
JMA	**IV**	**23 15 23 10.8**±.3	**43.06N**±.01	**139.35E**±.02	**24**±4	**2.9**		¶97iv3987
JMA	**IV**	**24 02 20 10.7**±.6	**44.02N**±.02	**139.12E**±.06	**9**	**3.2**		¶97iv4064
ISC	**IV**	**24 11 53 11.0**±.41	**42.35N**±.041	**138.29E**±.089	**270**±5.8	**3.4b**	**73**	**1-89**
NEIC	IV	24 11 53 09.2	42.60N	138.26E	238			¶97iv4138
EIDC	IV	24 11 53 09.9	42.6N	138.3E	226	3.4b		
JMA	IV	24 11 53 11.7±.2	42.34N±.01	138.43E±.03	275±2			
NEIC	Less reliable solution.							
ISC	**IV**	**25 19 22 00**±5.3	**43.1N**±.24	**139.2E**±.50	**33**		**9**	**1-2**
JMA	IV	25 19 22 00.6±.3	43.04N±.01	139.27E±.03	33±4	2.8		¶97iv4401
ISC	**IV**	**25 19 25 15**±5.1	**43.1N**±.24	**139.2E**±.48	**37**		**9**	**1-2**
JMA	IV	25 19 25 15.6±.3	43.04N±.01	139.26E±.03	37±4	3.2		¶97iv4403
ISC	**IV**	**26 00 02 39**±6.8	**42.5N**±.23	**138.9E**±.64	**28**		**9**	**1-2**
JMA	IV	26 00 02 41.5±.6	42.37N±.03	139.17E±.05	28±4	2.8		¶97iv4432
ISC	**IV**	**29 08 10 53**±8.9	**43.1N**±.31	**139.2E**±.89	**35**		**6**	**1-2**
JMA	IV	29 08 10 54.1±.5	43.02N±.02	139.28E±.04	35	3.4		¶97iv5042
ISC	**V**	**03 13 45 24**±4.9	**42.06N**±.089	**138.9E**±.34	**11**±18		**12**	**0-2**
JMA	V	03 13 45 25.6±.5	42.05N±.02	139.04E±.04	22±4	3.1		¶97v0445
ISC	**V**	**05 19 22 40**±7.2	**42.4N**±.12	**138.9E**±.65	**21**±20		**9**	**1-2**
JMA	V	05 19 22 42.1±.4	42.39N±.01	139.15E±.04	24±3	2.8		¶97v0837
ISC	**V**	**06 21 38 08**±2.1	**40.43N**±.062	**139.0E**±.24	**31**		**14**	**1-2**
JMA	V	06 21 38 07.0±.3	40.47N±.01	138.92E±.03	31	3.0		¶97v1012
ISC	**V**	**08 18 26 17**±6.6	**42.4N**±.15	**139.0E**±.63	**13**		**6**	**0-2**
JMA	V	08 18 26 17.6±.3	42.41N±.01	139.00E±.03	13±4	2.8		¶97v1295
ISC	Poorly determined							
ISC	**V**	**13 07 02 15.3**±.20	**43.37N**±.024	**137.18E**±.040	**294**±3.4	**4.3b**	**237**	**2-159**
MOS	V	13 07 02 14.1	43.5N	137.0E	279	4.8b		¶97v2186
NEIC	V	13 07 02 15.7	43.35N	137.02E	300	4.6b		
BJI	V	13 07 02 15.9	43.42N	137.06E	319	4.5b		
EIDC	V	13 07 02 15.9	43.4N	137.1E	288	4.0b		
SKHL	V	13 07 02 16.0	43.5N±.04	137.3E±.09	330±10			
JMA	V	13 07 02 16.8±.2	43.20N±.01	137.58E±.03	323±2			
ISC	**V**	**13 10 03 55**±5.4	**43.1N**±.25	**139.2E**±.51	**31**		**7**	**1-2**
JMA	V	13 10 03 55.0±.4	43.07N±.02	139.24E±.03	31	3.1		¶97v2222
ISC	**V**	**19 08 45 12**±1.5	**44.00N**±.065	**140.7E**±.12	**5**±12		**11**	**1-2**
JMA	V	19 08 45 13.0±.1	44.00N±.00	140.72E±.01	11±2	2.8		¶97v3229
ISC	**V**	**20 05 33 58**±7.7	**42.2N**±.12	**138.8E**±.51	**3**±30		**10**	**0-2**
JMA	V	20 05 34 01.4±.5	42.12N±.02	139.07E±.04	19±4	2.9		¶97v3363
JMA	**V**	**20 15 01 06.5**±.4	**43.22N**±.01	**139.64E**±.03	**20**±3	**2.9**		¶97v3423
ISC	**V**	**24 04 16 38**±5.5	**39.3N**±.11	**138.6E**±.57	**6**		**11**	**1-2**
JMA	V	24 04 16 36.3±.3	39.28N±.01	138.48E±.03	6±3	3.0		¶97v4048
ISC	**V**	**24 10 02 18**±3.9	**40.32N**±.078	**139.0E**±.25	**7**±20		**17**	**1-2**
JMA	V	24 10 02 19.3±.4	40.33N±.01	139.03E±.03	23±4	2.9		¶97v4095
ISC	**V**	**24 14 05 47**±4.4	**39.6N**±.10	**138.6E**±.42	**22**		**13**	**1-2**
JMA	V	24 14 05 46.0±.6	39.67N±.02	138.52E±.05	22	2.8		¶97v4122
ISC	**V**	**29 13 01 34**±10	**43.8N**±.50	**139.9E**±.89	**268**±61		**16**	**1-4**
JMA	V	29 13 01 35.4±.3	43.69N±.03	140.09E±.05	259			¶97v4873
ISC	**V**	**31 01 03 39**±5.4	**42.3N**±.16	**137.8E**±.53	**43**		**15**	**1-4**
JMA	V	31 01 03 38.8±.4	42.31N±.02	137.86E±.03	43	3.5		¶97v5125
ISC	**VI**	**06 02 00 35**±6.6	**39.8N**±.18	**138.7E**±.69	**35**		**5**	**1-2**
JMA	VI	06 02 00 34.7±.9	39.80N±.03	138.70E±.08	35	3.1		¶97vi0865
ISC	**VI**	**10 16 55 18**±6.6	**42.3N**±.12	**138.8E**±.43	**4**±25		**10**	**1-2**
JMA	VI	10 16 55 20.7±.5	42.30N±.02	139.01E±.04	20±4	3.1		¶97vi1550
ISC	**VI**	**11 02 12 24**±6.3	**42.6N**±.17	**139.0E**±.67	**33**		**5**	**1-2**
JMA	VI	11 02 12 24.4±.6	42.58N±.02	139.11E±.05	33	2.9		¶97vi1606
ISC	**VI**	**12 17 04 55**±5.6	**42.0N**±.10	**138.9E**±.39	**9**±21		**10**	**0-2**
JMA	VI	12 17 04 57.7±.5	42.01N±.02	139.07E±.04	20±4	3.0		¶97vi1876
ISC	**VI**	**21 02 18 17**±4.5	**42.41N**±.088	**138.9E**±.38	**15**±19		**13**	**1-3**
JMA	VI	21 02 18 17.6±.6	42.43N±.02	138.99E±.05	27±5	3.6		¶97vi3138
ISC	**VI**	**21 03 05 52**±6.5	**42.5N**±.15	**138.9E**±.69	**33**		**6**	**1-2**
JMA	VI	21 03 05 52.3±.5	42.55N±.02	139.06E±.05	33	2.9		¶97vi3144
ISC	**VI**	**21 10 38 20**±6.1	**42.4N**±.14	**139.0E**±.58	**20**		**7**	**1-2**
JMA	VI	21 10 38 21.1±.4	42.44N±.01	139.06E±.04	20	2.8		¶97vi3201

(224) Hokkaido region.

ISC	**I**	**01 02 45 11.6**±.60	**41.91N**±.035	**140.94E**±.058	**7**±5.9		**28**	**0-3**
JMA	I	01 02 45 11.6±.1	41.90N±.00	140.98E±.01	11±1	2.8		¶97i0017
ISC	**I**	**01 02 50 56**±2.9	**43.0N**±.15	**145.4E**±.24	**41**±55		**11**	**0-2**
JMA	I	01 02 50 55.5±.4	42.96N±.02	145.38E±.03	46±4	2.8		¶97i0018
ISC	**I**	**01 05 20 30.6**±.95	**42.34N**±.083	**143.01E**±.088	**65**±16		**17**	**0-2**
JMA	I	01 05 20 30.7±.2	42.37N±.01	143.00E±.01	64±3			¶97i0029
ISC	**I**	**01 08 03 41**±4.4	**43.2N**±.20	**141.8E**±.20	**176**±41		**13**	**0-3**
JMA	I	01 08 03 43.5±.4	43.06N±.03	141.92E±.02	153±4			¶97i0040
ISC	**I**	**01 17 45 20.0**±.66	**41.90N**±.048	**140.95E**±.076	**8**±6.8		**14**	**0-3**
JMA	I	01 17 45 20.2±.1	41.89N±.01	140.97E±.01	9±2	2.8		¶97i0093
ISC	**I**	**01 18 53 55.7**±.59	**41.90N**±.030	**140.96E**±.051	**6**±5.7		**32**	**0-4**
JMA	I	01 18 53 55.8±.1	41.89N±.00	140.98E±.01	9±1	3.0		¶97i0103
ISC	**I**	**02 04 47 22**±3.3	**42.7N**±.17	**143.4E**±.18	**69**±35		**10**	**0-2**
JMA	I	02 04 47 21.7±.2	42.74N±.01	143.42E±.01	66±3			¶97i0162
ISC	**I**	**02 06 19 00**±4.1	**42.9N**±.19	**144.2E**±.16	**109**±41		**11**	**0-1**
JMA	I	02 06 19 00.7±.2	42.95N±.01	144.20E±.01	96±3			¶97i0165
ISC	**I**	**02 08 06 22.6**±.35	**41.35N**±.026	**142.69E**±.059	**37**±7.3	**3.6b**	**61**	**1-87**
NEIC	I	02 08 06 18.8	41.43N	142.83E	10			¶97i0175
JMA	I	02 08 06 19.6±.2	41.31N±.01	142.67E±.01	7±3	3.7		
EIDC	I	02 08 06 22.2	41.5N	142.6E	18	3.5b,3.1L		
NEIC	Less reliable solution.							
JMA	**I**	**02 12 13 31.3**±.5	**42.49N**±.01	**139.18E**±.03	**15**	**2.9**		¶97i0207
ISC	**I**	**02 19 17 24**±2.2	**42.8N**±.15	**145.2E**±.19	**42**±43		**12**	**0-3**
JMA	I	02 19 17 23.5±.2	42.85N±.01	145.21E±.01	48±2	3.0		¶97i0263
ISC	**I**	**02 22 59 18**±1.1	**41.42N**±.069	**142.7E**±.15	**29**		**11**	**1-2**
JMA	I	02 22 59 17.4±.1	41.38N±.01	142.71E±.02	29	2.8		¶97i0284
ISC	**I**	**03 03 08 01**±2.3	**43.4N**±.16	**145.9E**±.28	**64**		**9**	**0-2**
JMA	I	03 03 08 00.8±.3	43.43N±.01	145.88E±.02	64±2			¶97i0305
ISC	**I**	**03 03 46 40**±1.0	**45.8N**±.13	**142.3E**±.21	**345**±8.2	**3.0b**	**33**	**1-84**
EIDC	I	03 03 46 35.6	46.6N	141.1E	312	2.7b		¶97i0311
JMA	I	03 03 46 40.8±.3	45.70N±.03	142.32E±.04	339			
ISC	**I**	**03 04 10 56**±1.9	**43.9N**±.19	**145.5E**±.23	**150**		**12**	**1-3**
JMA	I	03 04 10 56.7±.4	43.89N±.03	145.49E±.03	150±3			¶97i0316
ISC	**I**	**03 05 53 24**±7.2	**41.2N**±.25	**139.3E**±.62	**24**		**6**	**1-2**
JMA	I	03 05 53 22.0±.5	41.23N±.02	139.11E±.04	24	3.1		¶97i0334
ISC	**I**	**03 09 33 29**±1.6	**42.3N**±.12	**143.9E**±.12	**40**±50		**13**	**0-2**
JMA	I	03 09 33 28.5±.3	42.34N±.02	143.87E±.02	52±5	2.8		¶97i0350
ISC	**I**	**03 09 40 20**±5.1	**42.4N**±.11	**139.1E**±.49	**21**±16		**10**	**0-2**
JMA	I	03 09 40 21.0±.3	42.38N±.01	139.19E±.03	25±3	3.1		¶97i0351
ISC	**I**	**03 22 14 50.6**±.90	**42.16N**±.063	**142.45E**±.068	**32**±10		**20**	**0-2**
JMA	I	03 22 14 50.2±.1	42.18N±.01	142.43E±.01	39±2	2.8		¶97i0438
ISC	**I**	**04 10 09 46**±2.0	**42.5N**±.13	**144.2E**±.14	**68**±28		**12**	**0-2**
JMA	I	04 10 09 45.5±.2	42.50N±.02	144.13E±.02	68±4			¶97i0521
ISC	**I**	**04 14 57 15**±2.2	**43.2N**±.12	**141.7E**±.16	**189**±21		**26**	**0-5**
JMA	I	04 14 57 17.5±.2	43.13N±.01	141.72E±.02	165±3			¶97i0547
ISC	**I**	**04 16 33 37.2**±.26	**42.64N**±.031	**141.41E**±.066	**144**±3.9	**3.9b**	**66**	**0-69**
EIDC	I	04 16 33 25.5	43.6N	142.1E	0	4.2b,3.0L		¶97i0555
NEIC	I	04 16 33 36.3	43.23N	140.91E	100	4.1b		
JMA	I	04 16 33 38.5±.1	42.67N±.01	141.39E±.01	128±2			
NEIC	Less reliable solution.							
ISC	**I**	**04 23 49 46**±2.0	**43.00N**±.097	**143.9E**±.13	**85**±22		**17**	**0-3**
JMA	I	04 23 49 46.5±.3	43.00N±.02	143.88E±.02	83±3			¶97i0596
ISC	**I**	**05 06 23 34**±4.5	**43.0N**±.13	**142.6E**±.16	**119**±46		**11**	**0-2**
JMA	I	05 06 23 34.4±.4	42.95N±.02	142.58E±.02	111±4			¶97i0628

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**06 09 31 20**±3.5	**42.5N**±.27	**144.2E**±.15	**61**±33		**10**	**0-2**
JMA	I	06 09 31 19.8±.4	42.52N±.03	144.21E±.02	61±4			¶97i0769
ISC	**I**	**07 09 02 54.3**±.26	**42.22N**±.020	**142.99E**±.040	**67**±2.5	**4.6b**	**242**	**0-152**
BJI	I	07 09 02 53.8	42.24N	143.03E	77	4.9b,4.1s		¶97i0904
NEIC	I	07 09 02 53.8	42.29N	142.91E	62	4.9b		
MOS	I	07 09 02 53.9	42.2N	142.9E	64	5.3b		
JMA	I	07 09 02 54.4±.1	42.27N±.01	142.98E±.01	65±2	4.5		
EIDC	I	07 09 02 54.6	42.3N	143.0E	57	4.2b		
SKHL	I	07 09 02 55.0	42.3N±.09	143.0E±.16	90			
SKHL	K10							
ISC	**I**	**07 12 36 00**±1.6	**41.54N**±.038	**143.04E**±.071	**12**±12		**36**	**0-3**
JMA	I	07 12 36 00.4±.2	41.54N±.01	142.99E±.02	26±3	3.2		¶97i0920
ISC	**I**	**08 13 48 20**±1.1	**42.9N**±.26	**143.9E**±.20	**89**		**5**	**0-1**
JMA	I	08 13 48 19.5±.2	42.93N±.02	143.94E±.01	89±2			¶97i1071
ISC	**I**	**08 17 08 28**±3.4	**42.4N**±.17	**143.0E**±.14	**98**±32		**12**	**0-2**
JMA	I	08 17 08 28.2±.2	42.45N±.01	143.06E±.01	91±3			¶97i1090
ISC	**I**	**08 17 57 28**±2.6	**42.9N**±.11	**145.2E**±.21	**95**±24		**19**	**0-4**
JMA	I	08 17 57 28.9±.2	42.97N±.01	145.16E±.01	85±2			¶97i1094
ISC	**I**	**08 22 41 02.5**±.87	**41.99N**±.055	**139.84E**±.087	**13**±8.2		**17**	**0-3**
JMA	I	08 22 41 02.6±.1	41.99N±.01	139.82E±.01	19±3	3.4		¶97i1128
ISC	**I**	**08 23 46 54**±5.0	**42.7N**±.21	**143.3E**±.48	**96**±54		**6**	**0-1**
JMA	I	08 23 46 54.0±.4	42.71N±.02	143.30E±.05	98±4			¶97i1140
ISC	**I**	**09 11 08 43.8**±.59	**42.36N**±.041	**143.50E**±.075	**70**±13		**32**	**0-4**
JMA	I	09 11 08 44.9±.2	42.45N±.01	143.41E±.02	60±3	3.2		¶97i1203
ISC	**I**	**09 13 02 42.4**±.40	**43.14N**±.036	**142.16E**±.073	**177**±4.9	**3.5b**	**55**	**0-64**
NEIC	I	09 13 02 42.3	43.27N	142.19E	173	3.3b		¶97i1219
JMA	I	09 13 02 43.9±.2	43.16N±.01	142.13E±.01	160±2			
EIDC	I	09 13 02 44.5	43.2N	141.9E	174	3.2b		
NEIC	Poor solution.							
ISC	**I**	**09 21 21 13**±4.8	**45.2N**±.49	**146.0E**±.46	**259**		**15**	**2-7**
JMA	I	09 21 21 13.1±.3	45.08N±.04	145.97E±.05	259			¶97i1276
ISC	**I**	**10 02 43 01**±1.4	**42.70N**±.070	**141.4E**±.11	**169**±16		**33**	**0-6**
JMA	I	10 02 43 02.5±.2	42.69N±.01	141.45E±.01	148±3			¶97i1299
ISC	**I**	**10 02 58 17**±2.0	**42.5N**±.19	**142.8E**±.39	**67**		**5**	**0-1**
JMA	I	10 02 58 16.7±.4	42.50N±.02	142.78E±.02	67±4			¶97i1302
ISC	**I**	**10 06 32 05**±6.2	**42.9N**±.21	**144.4E**±.35	**105**±54		**8**	**0-1**
JMA	I	10 06 32 06.0±.2	42.88N±.01	144.36E±.02	96±2			¶97i1323
ISC	**I**	**10 19 19 54.8**±.34	**43.05N**±.021	**145.94E**±.040	**88**±3.0	**5.0b**	**352**	**0-150**
BJI	I	10 19 19 54.3	43.30N	145.77E	76	5.5b,4.4s		¶97i1410
MOS	I	10 19 19 54.9	43.1N	145.9E	93	5.5b,4.2s		
NEIC	I	10 19 19 55.1	43.13N	145.90E	89	5.0b		
SKHL	I	10 19 19 56.0	43.2N±.11	146.0E±.29	95±1			
EIDC	I	10 19 19 56.3	43.2N	145.8E	90	4.7b		
JMA	I	10 19 19 56.5±.2	43.09N±.01	145.90E±.02	82±2	5.2		
HRVD	I	10 19 19 59.9±.9	43.13N±.09	145.36E±.09	97±8.2			
NEIC	Mw5.2(HRV)							
NEIC	Felt I=III J at Akkeshi, Bekkai and Naka-shibetsu.							
SKHL	Felt I=IV MSK at Yuzhno−Kurilsk, I=II−III at Shikotan							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.73±.55; $M_{\theta\theta}$−1.58±1.11; $M_{\phi\phi}$3.31±.71; $M_{r\theta}$3.65±.46; $M_{r\phi}$5.58±.55; $M_{\theta\phi}$−0.24±.83. Principal Axes: T 7.31,Plg35°,Azm285°; N −0.09, Plg18°,Azm29°; P −7.22,Plg49°,Azm141°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S322°,δ20°,λ−158°. NP2:ϕ_S211°,δ83°,λ−72°.							
ISC	**I**	**10 22 20 32**±1.3	**42.6N**±.11	**143.0E**±.13	**89**±19		**15**	**0-2**
JMA	I	10 22 20 32.9±.2	42.65N±.01	142.99E±.02	75±3			¶97i1435
ISC	**I**	**11 04 18 36**±4.0	**43.4N**±.13	**145.2E**±.28	**132**±34		**16**	**0-3**
JMA	I	11 04 18 37.8±.2	43.39N±.01	145.09E±.02	117±2			¶97i1462
JMA	**I**	**11 05 02 22.2**±.3	**42.99N**±.00	**139.52E**±.04	**7**±3	**2.8**		¶97i1466
ISC	**I**	**11 09 31 58**±3.6	**43.2N**±.16	**144.8E**±.17	**71**±39		**8**	**0-1**
JMA	I	11 09 31 58.8±.2	43.16N±.01	144.75E±.02	66±3			¶97i1503
ISC	**I**	**11 09 56 57.7**±.40	**41.93N**±.034	**142.59E**±.057	**40**±23		**36**	**0-4**
JMA	I	11 09 56 57.3±.1	41.92N±.01	142.57E±.01	48±2	3.0		¶97i1506
JMA	**I**	**12 04 57 23.4**±.2	**43.06N**±.01	**145.75E**±.01	**41**±2	**2.8**		¶97i1624
ISC	**I**	**12 06 29 05**±1.7	**42.8N**±.12	**143.0E**±.10	**97**±22		**14**	**0-2**
JMA	I	12 06 29 04.9±.2	42.77N±.02	143.00E±.01	90±3			¶97i1634
ISC	**I**	**12 07 35 23**±1.3	**43.1N**±.26	**144.4E**±.30	**81**		**4**	**0-1**
JMA	I	12 07 35 23.0±.3	43.10N±.02	144.39E±.03	81±3			¶97i1639
ISC	Poorly determined							
ISC	**I**	**12 09 51 27**±1.1	**42.38N**±.085	**143.5E**±.12	**112**±17		**20**	**0-4**
JMA	I	12 09 51 28.3±.2	42.42N±.02	143.46E±.02	102±3			¶97i1659
ISC	**I**	**12 17 20 16**±1.7	**43.11N**±.095	**142.94E**±.080	**169**±18		**34**	**0-5**
JMA	I	12 17 20 17.3±.3	43.13N±.02	142.90E±.02	152±3			¶97i1716
ISC	**I**	**13 03 38 10**±1.8	**42.8N**±.13	**145.0E**±.16	**44**±27		**15**	**0-4**
JMA	I	13 03 38 09.6±.2	42.83N±.01	144.99E±.02	48±3	2.9		¶97i1776
ISC	**I**	**13 05 42 35**±1.3	**43.0N**±.18	**143.5E**±.38	**115**		**5**	**0-1**
JMA	I	13 05 42 34.5±.4	43.01N±.02	143.47E±.04	115±4			¶97i1779
ISC	**I**	**13 08 45 02**±1.3	**42.0N**±.27	**142.2E**±.13	**83**		**8**	**0-2**
JMA	I	13 08 45 02.5±.3	42.00N±.02	142.23E±.01	83±4			¶97i1809
ISC	**I**	**13 12 51 49**±5.4	**42.9N**±.20	**139.1E**±.47	**23**±20		**8**	**1-2**
JMA	I	13 12 51 50.9±.4	42.83N±.02	139.26E±.04	31±5	2.9		¶97i1840
ISC	**I**	**13 13 56 20**±6.2	**43.1N**±.22	**145.2E**±.33	**100**±56		**8**	**0-1**
JMA	I	13 13 56 20.3±.2	43.09N±.01	145.21E±.01	93±2			¶97i1848
ISC	**I**	**13 18 05 58**±3.3	**42.9N**±.15	**139.2E**±.32	**34**		**12**	**1-2**
JMA	I	13 18 05 58.1±.4	42.83N±.02	139.33E±.03	34±4	2.8		¶97i1880
ISC	**I**	**13 22 50 07**±1.1	**42.52N**±.062	**142.13E**±.093	**135**±16		**34**	**0-4**
JMA	I	13 22 50 07.5±.2	42.54N±.01	142.10E±.01	124±3			¶97i1904
ISC	**I**	**14 09 26 19.1**±.68	**42.77N**±.035	**142.65E**±.055	**30**±8.3		**32**	**0-4**
JMA	I	14 09 26 18.8±.1	42.74N±.01	142.61E±.01	34±2	3.2		¶97i1975
ISC	**I**	**14 21 43 16**±5.4	**42.9N**±.11	**143.1E**±.20	**116**±58		**11**	**0-2**
JMA	I	14 21 43 15.4±.3	42.92N±.01	143.10E±.02	118±3			¶97i2063
ISC	**I**	**15 08 31 47**±5.8	**43.7N**±.35	**140.8E**±.49	**243**±40		**23**	**1-5**
JMA	I	15 08 31 47.4±.3	43.70N±.02	140.85E±.04	239±3			¶97i2125
ISC	**I**	**16 08 03 06**±3.2	**42.7N**±.12	**143.2E**±.14	**113**±34		**13**	**0-2**
JMA	I	16 08 03 06.0±.2	42.72N±.01	143.16E±.01	109±2			¶97i2273
ISC	**I**	**16 10 00 08**±3.1	**43.9N**±.19	**145.5E**±.24	**9**±12		**8**	**0-2**
JMA	I	16 10 00 07.2±.2	43.91N±.01	145.55E±.02	16±2	2.8		¶97i2291
ISC	**I**	**16 10 55 38**±1.4	**42.7N**±.17	**143.7E**±.19	**97**		**8**	**0-2**
JMA	I	16 10 55 38.3±.5	42.66N±.03	143.72E±.03	97±4			¶97i2301
ISC	**I**	**16 19 41 01**±3.3	**42.9N**±.15	**145.2E**±.24	**83**±30		**14**	**0-2**
JMA	I	16 19 41 01.4±.2	42.92N±.01	145.19E±.02	84±2			¶97i2349
ISC	**I**	**17 08 21 15.9**±.55	**41.96N**±.043	**142.43E**±.061	**52**±21		**31**	**0-5**
JMA	I	17 08 21 15.7±.1	41.95N±.01	142.41E±.01	56±2	2.9		¶97i2419
JMA	**I**	**17 12 18 07.2**±.4	**42.25N**±.01	**139.22E**±.03	**16**±3	**2.8**		¶97i2447
ISC	**I**	**17 17 45 52**±2.2	**42.5N**±.13	**143.7E**±.14	**67**±28		**11**	**0-2**
JMA	I	17 17 45 52.4±.3	42.50N±.03	143.65E±.03	63			¶97i2503
ISC	**I**	**18 06 26 26**±3.4	**42.7N**±.12	**143.4E**±.19	**110**±37		**10**	**0-2**
JMA	I	18 06 26 26.4±.3	42.73N±.02	143.43E±.02	106±3			¶97i2614
ISC	**I**	**18 07 09 02**±1.1	**42.0N**±.15	**141.7E**±.12	**70**		**9**	**1-2**
JMA	I	18 07 09 02.4±.2	42.03N±.01	141.74E±.02	70±4			¶97i2622
ISC	**I**	**18 22 43 21**±4.0	**41.9N**±.11	**139.0E**±.39	**19**		**9**	**0-2**
JMA	I	18 22 43 21.0±.5	41.92N±.02	139.08E±.04	19±4	3.0		¶97i2726
ISC	**I**	**18 22 44 32**±2.1	**43.17N**±.097	**144.3E**±.12	**94**±24		**14**	**0-2**
JMA	I	18 22 44 32.3±.2	43.15N±.01	144.25E±.01	88±3			¶97i2727
ISC	**I**	**18 22 54 37.3**±.24	**42.37N**±.026	**141.98E**±.062	**140**±3.5	**3.7b**	**87**	**1-74**
NEIC	I	18 22 54 37.4	42.39N	142.02E	139	3.9b		¶97i2732
JMA	I	18 22 54 38.5±.2	42.42N±.01	141.91E±.01	127±2	4.0		
EIDC	I	18 22 54 39.5	42.4N	141.9E	138	3.5b		
ISC	**I**	**19 02 34 43**±2.6	**42.7N**±.19	**144.8E**±.16	**52**±30		**10**	**0-2**
JMA	I	19 02 34 43.1±.2	42.78N±.02	144.79E±.02	52±3	2.9		¶97i2765
ISC	**I**	**19 02 34 56**±3.1	**43.06N**±.088	**143.7E**±.26	**73**±34		**10**	**0-1**
JMA	I	19 02 34 55.3±.5	43.04N±.02	143.72E±.04	81±5			¶97i2766
ISC	**I**	**19 10 01 58.9**±.41	**41.46N**±.035	**142.33E**±.066	**33**		**35**	**1-3**
JMA	I	19 10 01 58.1±.1	41.45N±.00	142.31E±.01	33±3	3.0		¶97i2816
ISC	**I**	**19 11 31 16**±2.8	**41.9N**±.10	**139.3E**±.27	**19**±16		**10**	**0-2**
JMA	I	19 11 31 15.7±.3	41.87N±.01	139.27E±.03	20±3	3.2		¶97i2832
ISC	**I**	**19 17 48 50**±1.1	**42.6N**±.17	**143.1E**±.22	**106**		**7**	**0-1**
JMA	I	19 17 48 49.9±.3	42.61N±.02	143.09E±.02	106±3			¶97i2870
JMA	**I**	**20 00 06 51.9**±.7	**42.13N**±.02	**139.11E**±.05	**18**	**2.8**		¶97i2909
ISC	**I**	**20 03 29 45**±2.2	**42.9N**±.13	**144.4E**±.14	**69**±27		**11**	**0-1**
JMA	I	20 03 29 45.5±.2	42.88N±.01	144.36E±.01	65±3			¶97i2934
ISC	**I**	**20 19 32 06.5**±.88	**42.49N**±.057	**143.84E**±.090	**117**±15		**37**	**0-6**
JMA	I	20 19 32 08.3±.2	42.57N±.01	143.78E±.01	100±2			¶97i3070
ISC	**I**	**21 06 01 11**±1.7	**43.06N**±.078	**145.3E**±.16	**118**±18		**30**	**0-6**
JMA	I	21 06 01 14.1±.2	43.11N±.01	145.14E±.02	93±2			¶97i3147
ISC	**I**	**21 07 39 43**±7.7	**42.9N**±.27	**145.0E**±.65	**104**±58		**7**	**0-2**
JMA	I	21 07 39 45.1±.3	42.93N±.02	144.89E±.03	91±3			¶97i3156
ISC	**I**	**21 22 44 02.5**±.26	**41.97N**±.024	**142.36E**±.051	**75**±3.3	**3.9b**	**96**	**0-87**
MOS	I	21 22 44 01.5	41.9N	142.3E	69	4.8b		¶97i3243
NEIC	I	21 22 44 02.1	42.01N	142.42E	74	4.5b		
JMA	I	21 22 44 02.8±.1	41.97N±.01	142.30E±.01	62±2	3.8		
SKHL	I	21 22 44 03.0	41.9N±.11	142.4E±.25	70±5			
EIDC	I	21 22 44 04.7	42.1N	142.3E	78	3.7b		
NEIC	Less reliable solution.							
SKHL	K10							
ISC	**I**	**22 04 54 26**±2.5	**42.91N**±.092	**142.9E**±.12	**100**±29		**12**	**0-2**
JMA	I	22 04 54 26.2±.2	42.84N±.02	142.92E±.01	97±2			¶97i3281
ISC	**I**	**22 11 33 19.9**±.50	**41.94N**±.038	**142.23E**±.062	**48**±25		**31**	**0-4**
JMA	I	22 11 33 19.5±.1	41.93N±.01	142.21E±.01	58±3	3.0		¶97i3320
ISC	**I**	**22 18 00 40.1**±.80	**42.70N**±.049	**142.72E**±.064	**56**±20		**23**	**0-2**
JMA	I	22 18 00 40.2±.1	42.71N±.01	142.69E±.01	48±3	3.1		¶97i3361
ISC	**I**	**22 23 36 30**±1.1	**41.6N**±.11	**142.2E**±.11	**40**		**14**	**1-2**
JMA	I	22 23 36 29.9±.1	41.64N±.01	142.21E±.01	40±4	2.8		¶97i3404
ISC	**I**	**23 07 09 50.0**±.89	**41.35N**±.053	**140.0E**±.11	**9**	3.4b	**12**	**0-61**
JMA	I	23 07 09 50.4±.1	41.34N±.00	140.05E±.01	9±2	2.9		¶97i3453
ISC	**I**	**23 22 28 57.5**±.85	**42.57N**±.055	**142.49E**±.066	**67**±17		**23**	**0-3**
JMA	I	23 22 28 57.5±.1	42.56N±.01	142.47E±.01	62±3			¶97i3557
ISC	**I**	**23 22 43 35**±2.0	**42.9N**±.14	**145.3E**±.18	**39**±46		**13**	**0-3**
JMA	I	23 22 43 34.8±.2	42.88N±.02	145.23E±.02	47±3	3.1		¶97i3560
ISC	**I**	**24 01 30 42**±1.7	**41.19N**±.054	**141.6E**±.13	**119**±25		**20**	**0-4**
JMA	I	24 01 30 43.3±.2	41.18N±.01	141.55E±.02	110±3			¶97i3578
ISC	**I**	**24 04 36 38.8**±.37	**42.99N**±.036	**142.15E**±.073	**163**±4.5	**3.5b**	**57**	**0-86**
EIDC	I	24 04 36 24.3	43.6N	142.4E	0	3.8b		¶97i3594
JMA	I	24 04 36 40.0±.2	43.03N±.01	142.15E±.01	150±2			
NEIC	I	24 04 36 40.6	43.73N	142.09E	150	3.5b		
NEIC	Poor solution.							
ISC	**I**	**24 19 50 27.6**±.65	**41.94N**±.047	**142.30E**±.065	**58**±21		**27**	**0-3**
JMA	I	24 19 50 27.6±.1	41.94N±.01	142.27E±.01	59±2	2.8		¶97i3681
ISC	**I**	**25 01 42 56.9**±.77	**45.42N**±.068	**142.5E**±.18	**318**±9.1	2.8b	**38**	**1-56**
SKHL	I	25 01 42 59.0	45.71N±.18	142.99E±.33	318±18			¶97i3719
JMA	I	25 01 42 59.8±.3	45.16N±.03	142.68E±.04	310			
ISC	**I**	**25 02 11 59**±8.8	**42.1N**±.22	**139.1E**±.75	**13**		**7**	**0-2**
JMA	I	25 02 12 00.0±.6	42.10N±.02	139.16E±.04	13±3	3.1		¶97i3721
ISC	**I**	**25 04 54 15**±3.7	**43.1N**±.19	**145.8E**±.36	**43**		**9**	**0-2**
JMA	I	25 04 54 15.1±.3	43.11N±.02	145.73E±.03	43±3	3.0		¶97i3741
ISC	**I**	**25 06 46 12**±3.0	**42.5N**±.22	**143.6E**±.22	**65**±33		**10**	**0-2**
JMA	I	25 06 46 11.8±.3	42.57N±.02	143.57E±.02	62±3			¶97i3762
ISC	**I**	**25 09 49 28.7**±.67	**41.39N**±.037	**141.82E**±.083	**65**±22		**29**	**1-4**
JMA	I	25 09 49 28.7±.1	41.39N±.01	141.78E±.01	68±3			¶97i3784
ISC	**I**	**25 16 51 19**±1.2	**42.85N**±.077	**144.3E**±.12	**127**±16		**28**	**0-5**
JMA	I	25 16 51 20.3±.2	42.89N±.01	144.26E±.01	108±2			¶97i3834
ISC	**I**	**26 05 38 31**±2.0	**42.6N**±.15	**143.8E**±.13	**67**±24		**10**	**0-2**
JMA	I	26 05 38 31.1±.2	42.68N±.02	143.81E±.02	64±3			¶97i3890
ISC	**I**	**26 12 55 16**±1.2	**42.8N**±.21	**143.9E**±.23	**107**		**8**	**0-1**
JMA	I	26 12 55 16.0±.3	42.82N±.02	143.85E±.02	107±3			¶97i3947
ISC	**I**	**26 14 52 46**±3.6	**42.7N**±.16	**143.5E**±.17	**79**±38		**10**	**0-1**
JMA	I	26 14 52 46.4±.2	42.74N±.01	143.49E±.01	78±2			¶97i3954
ISC	**I**	**26 16 08 52**±9.1	**43.5N**±.15	**145.9E**±.88	**42**±64		**10**	**0-3**
JMA	I	26 16 08 46.1±.4	43.57N±.02	146.40E±.04	72±3			¶97i3964
ISC	**I**	**26 17 32 42.5**±.75	**42.52N**±.047	**142.83E**±.070	**116**±13		**38**	**0-7**
JMA	I	26 17 32 43.8±.1	42.57N±.01	142.80E±.01	100±2			¶97i3976
ISC	**I**	**27 04 01 48.3**±.90	**45.10N**±.083	**141.9E**±.12	**26**		**10**	**0-2**
JMA	I	27 04 01 48.4±.2	45.07N±.02	141.94E±.02	26±5	2.8		¶97i4046
ISC	**I**	**27 14 54 43**±5.0	**42.5N**±.13	**139.1E**±.46	**24**±16		**8**	**1-2**
JMA	I	27 14 54 44.0±.4	42.52N±.01	139.17E±.04	32±4	2.8		¶97i4095
ISC	**I**	**27 19 27 35**±8.0	**44.9N**±.55	**141.7E**±.38	**297**±47		**24**	**1-6**
JMA	I	27 19 27 35.2±.3	44.83N±.03	141.76E±.05	295			¶97i4117
ISC	**I**	**27 19 52 05**±1.6	**41.47N**±.055	**143.4E**±.10	**27**±17		**22**	**1-3**
JMA	I	27 19 52 05.2±.1	41.46N±.01	143.41E±.01	43±3	2.9		¶97i4120
ISC	**I**	**27 21 25 33**±1.9	**42.6N**±.11	**144.4E**±.14	**103**±21		**20**	**0-3**
JMA	I	27 21 25 34.8±.3	42.67N±.02	144.38E±.02	89±4			¶97i4129
ISC	**I**	**28 07 32 07.3**±.90	**45.11N**±.075	**141.9E**±.10	**28**		**12**	**0-2**
JMA	I	28 07 32 07.3±.2	45.08N±.02	141.94E±.02	28±4	2.9		¶97i4179
ISC	**I**	**28 15 47 45.6**±.35	**41.87N**±.032	**142.74E**±.060	**38**±22		**43**	**0-5**
JMA	I	28 15 47 45.1±.1	41.87N±.01	142.70E±.01	45±2	3.0		¶97i4222
ISC	**I**	**28 17 02 45**±5.5	**43.2N**±.16	**145.4E**±.32	**82**±53		**8**	**0-2**
JMA	I	28 17 02 45.2±.3	43.23N±.01	145.36E±.02	77±3			¶97i4230
ISC	**I**	**28 19 36 08**±3.1	**43.1N**±.16	**145.8E**±.32	**40**		**12**	**0-4**
JMA	I	28 19 36 08.1±.2	43.03N±.01	145.72E±.02	40±3	2.8		¶97i4252
ISC	**I**	**29 08 54 47**±7.9	**43.3N**±.13	**146.0E**±.77	**51**±46		**15**	**0-4**
JMA	I	29 08 54 44.1±.3	43.20N±.02	146.23E±.03	66±3			¶97i4325
ISC	**I**	**29 11 07 35.3**±.81	**41.62N**±.040	**141.44E**±.095	**94**±15		**35**	**0-4**
JMA	I	29 11 07 35.9±.1	41.61N±.00	141.38E±.01	87±2			¶97i4338
ISC	**I**	**29 13 26 27.2**±.42	**43.31N**±.044	**144.48E**±.078	**149**±4.1	**3.7b**	**49**	**0-84**
NEIC	I	29 13 26 22.3	43.38N	144.50E	100	4.2b		¶97i4357
JMA	I	29 13 26 28.9±.2	43.36N±.01	144.44E±.02	133±3			
EIDC	I	29 13 26 30.9	43.5N	144.4E	162	3.3b,3.8L		
NEIC	Less reliable solution.							
ISC	**I**	**29 15 41 36**±2.3	**41.90N**±.071	**139.2E**±.25	**20**±13		**14**	**0-3**
JMA	I	29 15 41 35.4±.4	41.90N±.01	139.17E±.03	22±3	3.4		¶97i4372

ISC	**I**	**30 02 46 44**±2.6	**43.4N**±.23	**146.0E**±.35	**92**			**7**	**0-2**
JMA	I	30 02 46 44.5±.3	43.39N±.02	145.99E±.03	92±2				¶97i4428
ISC	**I**	**30 06 58 55.0**±.48	**43.23N**±.056	**143.89E**±.094	**113**			**23**	**0-5**
JMA	I	30 06 58 55.3±.2	43.29N±.01	143.91E±.01	113±3				¶97i4446
ISC	**I**	**30 09 49 20**±5.2	**42.5N**±.18	**143.0E**±.18	**105**±49			**9**	**0-1**
JMA	I	30 09 49 19.9±.2	42.50N±.01	143.01E±.01	101±2				¶97i4461
ISC	**I**	**30 15 18 48**±1.7	**42.4N**±.10	**142.35E**±.086	**95**±23			**16**	**0-2**
JMA	I	30 15 18 48.7±.2	42.41N±.01	142.33E±.01	86±3				¶97i4504
ISC	**I**	**30 15 47 03**±1.9	**42.6N**±.12	**144.3E**±.13	**66**±26			**12**	**0-2**
JMA	I	30 15 47 02.6±.2	42.55N±.01	144.25E±.01	65±3				¶97i4508
ISC	**I**	**30 18 16 49.0**±.27	**44.60N**±.036	**144.63E**±.064	**243**±3.4	**3.8b**		**93**	**1-76**
SKHL	I	30 18 16 48.0	44.6N±.13	144.5E±.13	230±5				¶97i4521
BJI	I	30 18 16 48.7	44.99N	144.60E	244	4.8b			
NEIC	I	30 18 16 49.2	44.88N	144.41E	238	4.4b			
JMA	I	30 18 16 49.6±.3	44.55N±.02	144.66E±.03	242±3				
MOS	I	30 18 16 49.6	44.8N	144.5E	248	4.4b			
EIDC	I	30 18 16 50.1	44.9N	144.4E	228	3.6b			
NEIC	Less reliable solution.								
ISC	**I**	**30 18 33 49**±2.7	**43.30N**±.083	**145.5E**±.24	**72**±25			**32**	**0-5**
JMA	I	30 18 33 49.0±.2	43.32N±.01	145.45E±.01	74±2				¶97i4524
ISC	**I**	**30 20 10 53.3**±.68	**42.29N**±.036	**141.27E**±.074	**121**±11			**47**	**0-6**
JMA	I	30 20 10 53.7±.1	42.32N±.01	141.22E±.01	117±2				¶97i4537
ISC	**I**	**30 23 24 12**±5.9	**41.9N**±.14	**139.0E**±.42	**6**±24			**9**	**0-2**
JMA	I	30 23 24 14.2±.6	41.97N±.02	139.11E±.05	15±5	2.9			¶97i4560
JMA	**I**	**30 23 24 24.5**±.6	**41.96N**±.03	**139.09E**±.05	**13**±5	**3.2**			¶97i4561
ISC	**I**	**31 05 07 53**±5.0	**43.1N**±.11	**142.7E**±.27	**90**±52			**7**	**0-1**
JMA	I	31 05 07 51.4±.4	43.03N±.02	142.62E±.03	103±4				¶97i4588
ISC	**I**	**31 09 08 23**±4.2	**42.6N**±.28	**144.6E**±.19	**67**±43			**8**	**0-1**
JMA	I	31 09 08 22.7±.2	42.64N±.02	144.60E±.01	65±3				¶97i4605
ISC	**I**	**31 11 06 32**±1.3	**41.65N**±.058	**144.5E**±.15	**59**±50			**31**	**1-4**
JMA	I	31 11 06 31.7±.2	41.63N±.01	144.57E±.03	73				¶97i4617
ISC	**I**	**31 16 24 55**±5.6	**43.4N**±.19	**144.0E**±.20	**149**±56			**10**	**0-2**
JMA	I	31 16 24 55.5±.4	43.40N±.02	144.05E±.02	149±3				¶97i4650
ISC	**II**	**01 02 53 52**±3.5	**42.5N**±.13	**141.6E**±.21	**99**±38			**10**	**0-2**
JMA	II	01 02 53 52.0±.2	42.44N±.01	141.61E±.01	94±2				¶97ii0013
ISC	**II**	**01 05 28 11.3**±.96	**42.27N**±.052	**144.8E**±.11	**39**			**28**	**1-4**
JMA	II	01 05 28 13.1±.2	42.44N±.01	144.62E±.02	39±3	3.1			¶97ii0026
ISC	**II**	**01 22 43 34**±1.8	**42.8N**±.12	**145.2E**±.17	**42**±40			**16**	**0-3**
JMA	II	01 22 43 34.3±.2	42.85N±.01	145.19E±.02	45±3	3.0			¶97ii0134
ISC	**II**	**01 23 47 37**±6.6	**43.0N**±.19	**143.4E**±.20	**107**±63			**8**	**0-1**
JMA	II	01 23 47 37.9±.5	43.04N±.02	143.39E±.03	102±5				¶97ii0144
ISC	**II**	**02 00 18 49**±2.7	**42.10N**±.099	**141.4E**±.17	**103**±34			**18**	**0-3**
JMA	II	02 00 18 49.2±.1	42.09N±.01	141.45E±.01	98±2				¶97ii0147
ISC	**II**	**02 04 02 55.2**±.81	**41.52N**±.034	**142.04E**±.058	**22**±9.9			**33**	**1-3**
JMA	II	02 04 02 55.6±.1	41.53N±.01	142.02E±.01	47±4	3.1			¶97ii0168
ISC	**II**	**02 06 38 07.3**±.46	**41.33N**±.043	**140.87E**±.094	**122**			**27**	**0-4**
JMA	II	02 06 38 07.4±.1	41.32N±.00	140.79E±.01	122±2				¶97ii0185
ISC	**II**	**02 08 00 18**±1.4	**43.1N**±.32	**144.2E**±.29	**82**			**4**	**0-1**
JMA	II	02 08 00 17.5±.3	43.09N±.02	144.15E±.02	82±2				¶97ii0193
ISC	Poorly determined								
ISC	**II**	**02 11 14 53**±5.0	**42.9N**±.19	**139.3E**±.45	**22**±28			**7**	**1-2**
JMA	II	02 11 14 53.8±.4	42.91N±.02	139.33E±.03	30±5	2.8			¶97ii0214
ISC	Poorly determined								
ISC	**II**	**02 13 08 00**±11	**43.2N**±.24	**146.0E**±.96	**63**±56			**7**	**0-2**
JMA	II	02 13 07 58.2±.4	43.17N±.03	146.16E±.05	74				¶97ii0223
ISC	**II**	**02 14 55 07**±5.6	**42.97N**±.080	**139.3E**±.25	**14**±39			**15**	**1-2**
JMA	II	02 14 55 08.2±.5	42.94N±.02	139.36E±.04	24±4	3.0			¶97ii0237
ISC	**II**	**02 18 13 11**±4.4	**43.1N**±.12	**143.8E**±.20	**109**±45			**9**	**0-1**
JMA	II	02 18 13 11.1±.3	43.12N±.02	143.79E±.02	104±3				¶97ii0257
ISC	**II**	**02 18 34 40**±2.5	**43.4N**±.20	**146.0E**±.32	**91**			**8**	**0-2**
JMA	II	02 18 34 39.8±.3	43.41N±.02	145.99E±.02	91±2				¶97ii0263
ISC	**II**	**02 19 22 31**±3.6	**44.4N**±.31	**145.9E**±.38	**144**			**8**	**1-3**
JMA	II	02 19 22 31.9±.5	44.33N±.04	145.80E±.06	144				¶97ii0266
ISC	**II**	**02 22 57 29.2**±.34	**41.50N**±.029	**142.69E**±.063	**54**±7.6	**3.9b**		**53**	**1-87**
EIDC	II	02 22 57 21.3	41.2N	142.5E	0	4.0b,1.7L			¶97ii0291
NEIC	II	02 22 57 27.9	41.80N	142.37E	33	3.4b			
JMA	II	02 22 57 28.7±.1	41.50N±.01	142.67E±.01	43±4	3.4			
NEIC	Less reliable solution.								
ISC	**II**	**03 00 36 06.0**±.91	**42.42N**±.046	**141.0E**±.10	**147**±12			**40**	**0-5**
JMA	II	03 00 36 06.9±.2	42.46N±.01	141.01E±.01	138±3				¶97ii0300
ISC	**II**	**03 01 05 19.4**±.70	**42.7N**±.13	**142.3E**±.12	**126**			**11**	**0-3**
JMA	II	03 01 05 19.4±.4	42.64N±.02	142.28E±.02	126±4				¶97ii0303
ISC	**II**	**03 03 56 41.2**±.46	**41.52N**±.036	**142.62E**±.077	**39**			**29**	**1-3**
JMA	II	03 03 56 40.4±.1	41.50N±.01	142.62E±.01	39±4	2.8			¶97ii0313
ISC	**II**	**03 04 35 59**±2.8	**42.9N**±.14	**145.2E**±.23	**70**±31			**10**	**0-3**
JMA	II	03 04 35 59.2±.2	42.94N±.02	145.17E±.02	67±3				¶97ii0318
JMA	**II**	**03 06 48 08.8**±.9	**41.57N**±.03	**144.81E**±.07	**26**	**2.9**			¶97ii0332
ISC	**II**	**03 08 43 31**±3.4	**43.4N**±.13	**143.7E**±.13	**128**±36			**12**	**0-1**
JMA	II	03 08 43 31.0±.3	43.38N±.02	143.71E±.02	123±3				¶97ii0348
ISC	**II**	**03 14 07 45**±2.3	**42.6N**±.12	**144.3E**±.14	**97**±25			**19**	**0-3**
JMA	II	03 14 07 46.0±.2	42.63N±.01	144.22E±.02	90±3				¶97ii0386
ISC	**II**	**04 03 05 04**±1.0	**42.8N**±.10	**143.5E**±.20	**77**±12	3.8b		**10**	**0-58**
JMA	II	04 03 05 01.4±.3	42.80N±.01	143.56E±.02	108±3				¶97ii0455
ISC	**II**	**04 18 41 41.5**±.60	**41.27N**±.050	**142.57E**±.090	**55**			**25**	**1-4**
JMA	II	04 18 41 41.2±.1	41.25N±.01	142.55E±.01	55	3.0			¶97ii0581
ISC	**II**	**05 11 40 22**±3.5	**41.95N**±.092	**139.1E**±.33	**18**±15			**11**	**0-2**
JMA	II	05 11 40 22.7±.4	41.96N±.01	139.18E±.03	21±3	2.9			¶97ii0682
ISC	**II**	**05 11 48 41**±4.1	**42.6N**±.14	**139.1E**±.44	**32**			**9**	**1-2**
JMA	II	05 11 48 41.4±.4	42.63N±.01	139.23E±.03	32±4	2.9			¶97ii0683
ISC	**II**	**05 18 03 10**±4.7	**43.5N**±.15	**144.9E**±.20	**106**±47			**9**	**0-1**
JMA	II	05 18 03 11.1±.2	43.47N±.01	144.86E±.01	98±2				¶97ii0729
ISC	**II**	**05 19 12 11.8**±.87	**42.9N**±.16	**143.5E**±.28	**114**			**8**	**0-1**
JMA	II	05 19 12 11.7±.4	42.90N±.02	143.40E±.03	114±4				¶97ii0737
ISC	**II**	**05 21 25 36**±2.1	**44.3N**±.13	**142.1E**±.12	**248**±18			**44**	**0-7**
JMA	II	05 21 25 38.3±.2	44.21N±.01	142.14E±.02	221±2				¶97ii0753
ISC	**II**	**06 11 11 57**±4.4	**42.5N**±.35	**143.8E**±.36	**80**±49			**10**	**0-2**
JMA	II	06 11 11 57.2±.3	42.50N±.02	143.74E±.02	79±3				¶97ii0827
ISC	**II**	**06 11 45 02.8**±.43	**41.47N**±.034	**142.84E**±.069	**20**			**38**	**1-4**
JMA	II	06 11 45 02.5±.3	41.46N±.01	142.77E±.02	20±4	2.8			¶97ii0829
ISC	**II**	**06 13 52 53.9**±.65	**41.93N**±.037	**141.60E**±.067	**77**±16			**36**	**0-3**
JMA	II	06 13 52 53.9±.1	41.93N±.01	141.56E±.01	81±2				¶97ii0849
ISC	**II**	**06 16 53 36**±2.8	**43.5N**±.24	**145.8E**±.43	**71**			**4**	**0-1**
JMA	II	06 16 53 35.6±.2	43.51N±.01	145.86E±.02	71±2				¶97ii0873
ISC	Poorly determined								
ISC	**II**	**06 21 24 10.6**±.68	**41.57N**±.041	**142.11E**±.069	**56**±32			**28**	**1-3**
JMA	II	06 21 24 10.6±.1	41.56N±.01	142.06E±.01	55±4	2.9			¶97ii0909
ISC	**II**	**07 03 30 02**±1.1	**42.7N**±.15	**142.1E**±.17	**102**			**8**	**1-3**
JMA	II	07 03 30 01.5±.5	42.66N±.03	142.06E±.03	102±5				¶97ii0936
ISC	**II**	**07 03 44 01**±4.5	**42.9N**±.23	**144.4E**±.16	**107**±44			**8**	**0-1**
JMA	II	07 03 44 01.6±.4	42.89N±.03	144.36E±.02	97±4				¶97ii0938
ISC	**II**	**07 04 05 30**±7.2	**42.9N**±.13	**139.2E**±.74	**27**			**9**	**1-2**
JMA	II	07 04 05 30.2±.5	42.85N±.01	139.30E±.04	27±4	3.0			¶97ii0942
ISC	**II**	**07 13 51 39.4**±.31	**42.23N**±.022	**143.25E**±.052	**72**±3.8	**4.0b**		**102**	**0-86**
NEIC	II	07 13 51 39.5	42.31N	143.07E	68	4.2b			¶97ii0996
BJI	II	07 13 51 39.8	42.20N	143.04E	62	4.6b			
JMA	II	07 13 51 40.5±.2	42.30N±.02	143.17E±.02	59±3	4.1			
MOS	II	07 13 51 41.3	42.4N	143.1E	86	5.0b			
EIDC	II	07 13 51 45.2	42.5N	142.9E	99	3.6b			
ISC	**II**	**07 20 13 28**±1.6	**44.09N**±.096	**141.8E**±.11	**247**±15			**50**	**0-8**
JMA	II	07 20 13 30.9±.2	44.06N±.01	141.83E±.02	219±2				¶97ii1031
ISC	**II**	**07 21 11 23.3**±.90	**43.5N**±.19	**144.9E**±.22	**136**			**9**	**0-2**
JMA	II	07 21 11 23.6±.3	43.48N±.02	144.90E±.02	136±3				¶97ii1041
ISC	**II**	**08 05 17 26**±2.4	**43.27N**±.093	**144.9E**±.18	**85**±26			**15**	**0-2**
JMA	II	08 05 17 26.8±.2	43.25N±.01	144.92E±.02	81±3				¶97ii1098
ISC	**II**	**08 07 05 40**±3.4	**42.2N**±.12	**141.6E**±.29	**82**±55			**12**	**0-3**
JMA	II	08 07 05 39.4±.2	42.22N±.01	141.59E±.02	89±3				¶97ii1108
ISC	**II**	**08 08 58 48.0**±.74	**42.67N**±.043	**143.43E**±.077	**132**±11			**47**	**0-8**
JMA	II	08 08 58 49.4±.1	42.73N±.01	143.37E±.01	117				¶97ii1119
ISC	**II**	**08 11 55 42**±1.4	**44.1N**±.18	**144.8E**±.18	**157**			**19**	**0-6**
JMA	II	08 11 55 42.7±.5	44.05N±.02	144.78E±.03	157±5				¶97ii1136
ISC	**II**	**08 18 02 42**±3.0	**41.11N**±.060	**140.3E**±.28	**185**±26			**25**	**1-5**
JMA	II	08 18 02 44.0±.2	41.10N±.01	140.36E±.02	169±3				¶97ii1179
ISC	**II**	**08 21 13 34**±1.3	**44.2N**±.16	**143.0E**±.27	**33**	3.7b		**4**	**9-57**
EIDC	II	08 21 13 32.7	44.3N	143.0E	0	3.7b,2.9L			¶97ii1207
ISC	Poorly determined								
ISC	**II**	**09 03 23 04**±2.8	**42.6N**±.13	**143.7E**±.18	**102**±30			**12**	**0-2**
JMA	II	09 03 23 04.5±.3	42.62N±.02	143.69E±.02	98±3				¶97ii1246
ISC	**II**	**09 17 23 13**±6.5	**42.5N**±.40	**144.1E**±.23	**67**±50			**8**	**0-2**
JMA	II	09 17 23 13.2±.2	42.57N±.02	144.10E±.01	64±2				¶97ii1335
ISC	**II**	**09 18 18 23**±5.3	**43.3N**±.12	**142.9E**±.21	**124**±55			**10**	**0-2**
JMA	II	09 18 18 22.9±.1	43.33N±.01	142.84E±.02	125				¶97ii1337
ISC	**II**	**09 22 29 18**±2.1	**42.19N**±.085	**141.4E**±.12	**121**±25			**19**	**0-3**
JMA	II	09 22 29 19.5±.2	42.20N±.01	141.38E±.01	105±3				¶97ii1373
ISC	**II**	**10 00 56 00.9**±.45	**41.91N**±.049	**142.30E**±.065	**52**			**24**	**0-3**
JMA	II	10 00 56 01.0±.1	41.93N±.01	142.27E±.01	52±3	2.9			¶97ii1394
ISC	**II**	**10 05 19 05.7**±.90	**44.36N**±.068	**141.5E**±.14	**249**±8.0	2.9b		**40**	**0-58**
JMA	II	10 05 19 07.1±.2	44.42N±.01	141.56E±.03	234±2				¶97ii1417
ISC	**II**	**10 07 01 32.7**±.27	**44.57N**±.034	**141.19E**±.084	**261**±3.7	**3.5b**		**86**	**0-90**
SKHL	II	10 07 01 32.0	44.5N±.07	141.2E±.27	250±5				¶97ii1428
MOS	II	10 07 01 32.3	44.6N	141.1E	253	4.0b			
JMA	II	10 07 01 33.4±.4	44.65N±.02	141.24E±.03	253±3				
EIDC	II	10 07 01 33.5	44.7N	141.1E	244	3.3b			
NEIC	II	10 07 01 33.8	44.73N	141.04E	265	3.3b			
NEIC	Less reliable solution.								
ISC	**II**	**10 22 35 50.4**±.40	**41.39N**±.031	**142.79E**±.064	**20**			**41**	**1-4**
JMA	II	10 22 35 50.0±.2	41.39N±.01	142.70E±.01	20±4	3.5			¶97ii1538
ISC	**II**	**10 22 57 13.6**±.27	**42.57N**±.019	**144.53E**±.034	**70**±2.5	**5.1b**		**428**	**0-151**
SKHL	II	10 22 57 13.0	42.6N±.11	144.6E±.22	95±1				¶97ii1544
JMA	II	10 22 57 13.9±.2	42.64N±.01	144.58E±.02	69±3	4.9			
BJI	II	10 22 57 16.2	42.92N	144.41E	95	5.0b			
NEIC	II	10 22 57 17.5	42.75N	144.43E	100	5.2b			
MOS	II	10 22 57 18.0	43.0N	144.4E	94	5.5b			
EIDC	II	10 22 57 18.3	42.8N	144.4E	94	4.9b,4.2s			
SKHL	K11. Felt I=II−III MSK at Yuzhno−Kurilsk and Kunashir Island								
MOS	Felt I=II−III MSK at Yuzno−Kurilsk.								
ISC	**II**	**10 23 10 29.5**±.85	**41.57N**±.048	**142.10E**±.080	**58**±34			**22**	**1-3**
JMA	II	10 23 10 29.6±.1	41.56N±.01	142.07E±.01	54±4	2.8			¶97ii1548
JMA	**II**	**11 06 02 14.9**±.3	**43.66N**±.07	**145.85E**±.04	**105**				¶97ii1590
ISC	**II**	**11 09 03 27**±4.3	**42.9N**±.18	**144.3E**±.19	**110**±49			**11**	**0-1**
JMA	II	11 09 03 27.4±.3	42.89N±.02	144.26E±.02	106±3				¶97ii1609
ISC	**II**	**11 10 36 00**±3.3	**42.12N**±.089	**139.1E**±.33	**23**±13			**12**	**0-3**
JMA	II	11 10 35 59.5±.5	42.14N±.02	139.04E±.04	29±4	3.2			¶97ii1618
ISC	**II**	**11 13 59 32**±3.0	**41.22N**±.084	**139.1E**±.33	**9**			**10**	**1-2**
JMA	II	11 13 59 32.4±.3	41.22N±.01	139.10E±.03	9±4	2.8			¶97ii1632
ISC	**II**	**11 17 06 38**±1.1	**41.84N**±.024	**144.83E**±.059	**16**±8.4	**4.3b**		**119**	**1-154**
BJI	II	11 17 06 39.9	42.15N	144.63E	26	4.5b			¶97ii1647
NEIC	II	11 17 06 41.0	41.96N	144.64E	33	4.5b			
MOS	II	11 17 06 41.2	42.0N	144.7E	33	5.0b			
JMA	II	11 17 06 41.9±.2	42.02N±.02	144.65E±.02	64	3.9			
SKHL	II	11 17 06 43.0	42.2N±.10	144.9E±.15	40±2				
EIDC	II	11 17 06 43.5	41.9N	144.7E	40	4.0b,3.5L			
NEIC	Less reliable solution.								
ISC	**II**	**12 11 27 34**±5.9	**42.4N**±.19	**139.1E**±.61	**14**±25			**8**	**0-2**
JMA	II	12 11 27 35.9±.4	42.35N±.01	139.25E±.04	18±4	2.9			¶97ii1750
ISC	**II**	**12 18 06 14**±5.8	**43.0N**±.15	**142.6E**±.16	**112**±60			**9**	**0-1**
JMA	II	12 18 06 14.3±.2	42.99N±.01	142.59E±.01	106±2				¶97ii1802
ISC	**II**	**13 03 57 29**±4.6	**41.93N**±.097	**139.1E**±.32	**8**±19			**9**	**0-2**
JMA	II	13 03 57 30.3±.4	41.96N±.01	139.12E±.03	14±3	2.9			¶97ii1869
ISC	**II**	**13 04 56 57**±1.2	**42.9N**±.25	**144.5E**±.20	**95**			**6**	**0-1**
JMA	II	13 04 56 57.4±.5	42.94N±.03	144.49E±.03	95±5				¶97ii1877
ISC	**II**	**13 07 48 34**±3.1	**42.9N**±.16	**144.3E**±.17	**103**±32			**9**	**0-1**
JMA	II	13 07 48 35.2±.4	42.91N±.02	144.30E±.03	94±4				¶97ii1885
ISC	**II**	**13 13 44 20**±4.4	**42.5N**±.25	**143.6E**±.28	**99**±41			**8**	**0-2**
JMA	II	13 13 44 20.1±.4	42.56N±.03	143.55E±.04	93±4				¶97ii1932
ISC	**II**	**13 16 23 07**±3.3	**42.6N**±.15	**142.5E**±.13	**58**±56			**8**	**0-2**
JMA	II	13 16 23 06.3±.3	42.58N±.02	142.53E±.02	70±4				¶97ii1948
ISC	**II**	**13 20 25 56**±2.6	**43.38N**±.086	**145.2E**±.22	**82**±24			**17**	**0-3**
JMA	II	13 20 25 56.6±.3	43.37N±.01	145.17E±.02	77±3				¶97ii1977
ISC	**II**	**13 22 37 28**±4.0	**43.9N**±.63	**145.6E**±.42	**121**			**6**	**1-2**
JMA	II	13 22 37 28.9±.4	43.73N±.07	145.57E±.05	121				¶97ii1989
ISC	Poorly determined								
JMA	**II**	**14 03 50 28.4**±.4	**43.46N**±.02	**145.57E**±.02	**92**±4				¶97ii2020
ISC	**II**	**14 08 57 02**±4.6	**43.3N**±.18	**144.7E**±.19	**99**±44			**9**	**0-1**
JMA	II	14 08 57 02.2±.4	43.29N±.02	144.64E±.02	97±4				¶97ii2045
ISC	**II**	**14 15 56 42**±5.1	**42.8N**±.14	**139.3E**±.34	**8**±24			**7**	**1-2**
JMA	II	14 15 56 42.6±.3	42.77N±.01	139.36E±.02	16±4	2.9			¶97ii2073
ISC	**II**	**14 17 47 20.3**±.94	**41.00N**±.039	**140.1E**±.12	**174**±11			**46**	**0-5**
JMA	II	14 17 47 21.7±.2	41.00N±.01	140.09E±.02	158±2				¶97ii2092
ISC	**II**	**14 21 01 58**±3.4	**43.1N**±.14	**145.3E**±.25	**63**±38			**15**	**0-5**
JMA	II	14 21 01 58.5±.3	43.11N±.01	145.31E±.02	63±3				¶97ii2112
ISC	**II**	**15 09 24 09.2**±.81	**42.01N**±.039	**141.16E**±.090	**123**±12			**40**	**0-5**
JMA	II	15 09 24 10.4±.1	42.04N±.01	141.13E±.01	111±2				¶97ii2204
JMA	**II**	**15 09 42 02.0**±.6	**42.58N**±.02	**139.10E**±.04	**29**	**2.9**			¶97ii2207
ISC	**II**	**15 11 16 39.7**±.56	**42.14N**±.044	**142.59E**±.063	**57**±15			**28**	**0-3**
JMA	II	15 11 16 39.4±.1	42.11N±.01	142.59E±.01	60±2	2.7			¶97ii2221
ISC	**II**	**15 12 24 12**±2.6	**41.99N**±.077	**139.2E**±.27	**23**±11			**13**	**0-3**
JMA	II	15 12 24 11.1±.4	41.98N±.01	139.09E±.04	25±3	3.3			¶97ii2230
ISC	**II**	**15 12 52 52**±4.5	**42.0N**±.21	**141.4E**±.18	**81**±54			**9**	**0-2**
JMA	II	15 12 52 51.3±.3	41.92N±.02	141.39E±.02	94±4				¶97ii2233
ISC	**II**	**15 18 03 30**±3.6	**42.0N**±.15	**141.4E**±.20	**77**±47			**9**	**0-2**
JMA	II	15 18 03 29.2±.3	42.00N±.02	141.39E±.02	87±3				¶97ii2274

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II 15 22 16 42**±3.8	**44.3N**±.26	**143.9E**±.15	**233**±27		**34**	**0-6**
JMA	II 15 22 16 45.4±.4	44.19N±.03	143.80E±.03	208±3			¶97ii2301
ISC	**II 16 09 52 52**±12	**42.7N**±.85	**145.5E**±.66	**29**±16		**9**	**1-2**
JMA	II 16 09 52 52.5±.3	42.76N±.02	145.51E±.02	44±3	2.8		¶97ii2359
ISC	**II 16 10 31 53**±3.9	**42.8N**±.12	**143.5E**±.17	**108**±41		**11**	**0-2**
JMA	II 16 10 31 53.3±.3	42.81N±.02	143.53E±.02	107±3			¶97ii2364
ISC	**II 17 23 14 38**±1.4	**42.7N**±.16	**142.9E**±.28	**110**		**7**	**0-1**
JMA	II 17 23 14 37.8±.4	42.65N±.02	142.82E±.02	110±3			¶97ii2568
ISC	**II 18 12 56 25**±3.1	**43.2N**±.10	**143.9E**±.14	**134**±31		**13**	**0-1**
JMA	II 18 12 56 25.8±.3	43.15N±.02	143.90E±.02	125±3			¶97ii2645
ISC	**II 18 16 01 45.5**±.75	**41.35N**±.066	**143.5E**±.16	**52**		**17**	**1-4**
JMA	II 18 16 01 45.2±.1	41.35N±.01	143.45E±.02	52	2.8		¶97ii2668
ISC	**II 18 23 54 59**±1.2	**43.3N**±.14	**142.9E**±.28	**122**		**7**	**0-1**
JMA	II 18 23 54 58.8±.2	43.34N±.03	142.85E±.04	122			¶97ii2708
JMA	**II 19 07 57 37.2**±.2	**43.08N**±.02	**144.82E**±.02	**60**	**2.1**		¶97ii2748
ISC	**II 19 19 33 19**±1.1	**42.73N**±.049	**142.09E**±.093	**148**±15		**35**	**0-4**
JMA	II 19 19 33 19.8±.2	42.75N±.01	142.11E±.01	135±2			¶97ii2821
ISC	**II 19 20 20 30**±1.1	**42.68N**±.059	**142.8E**±.10	**138**±15		**31**	**0-6**
JMA	II 19 20 20 31.7±.3	42.70N±.01	142.78E±.02	125±3			¶97ii2831
ISC	**II 19 22 47 19**±4.8	**42.8N**±.28	**143.2E**±.41	**91**±50		**6**	**0-1**
JMA	II 19 22 47 18.4±.1	42.73N±.03	143.13E±.05	95			¶97ii2847
ISC	**II 20 07 55 00.9**±.28	**41.76N**±.018	**142.76E**±.029	**57**±2.7	**5.4b,5.7s**	**597**	**0-160**
BJI	II 20 07 54 57.4	41.76N	142.92E	40	5.7b,5.7s		¶97ii2897
NEIC	II 20 07 54 58.4	41.86N	142.74E	33	5.4b,5.5s		
MOS	II 20 07 54 59.3	41.9N	142.8E	40	5.9b,5.9s		
EIDC	II 20 07 54 59.9	41.8N	142.7E	37	5.1b,5.6s		
JMA	II 20 07 55 00.3±.1	41.76N±.01	142.88E±.01	49±3	5.7		
HRVD	II 20 07 55 03.1±.1	41.70N±.01	143.22E±.01	51			
NEIC	Mw6.0(GS), Mw6.0(HRV)						
NEIC	Felt I=V J at Urakawa, Honshu. Felt in Aomori and Iwate Prefectures, Honshu. Kunashir. Mo=1.8×10^{18}Nm (PPT).						
NEIC	Moment tensor solution: s37, scale 10^{17}Nm; M_{rr}8.20; $M_{\theta\theta}$−2.90; $M_{\phi\phi}$−5.30; $M_{r\theta}$1.70; $M_{r\phi}$8.50; $M_{\theta\phi}$−4.00. Depth 41km; Principal axes: T 12.3,Plg64°,Azm268°; N −0.7,Plg12°, Azm24°; P −11.6,Plg23°,Azm119°. Best double couple: Mo1.2×10^{18}Nm; NP1:ϕ_S232°,δ25°, λ120°. NP2:ϕ_S19°,δ69°,λ77°.						
MOS	Felt I=II−III MSK at Yuzno−Kurilsk.						
JMA	Felt I=VI J1						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c108; Mantle waves: s29,c33; Half duration: 2s5. Moment tensor: Scale 10^{17}Nm; M_{rr}7.94±.09; $M_{\theta\theta}$−1.77±.11; $M_{\phi\phi}$−6.17±.10; $M_{r\theta}$3.51±.14; $M_{r\phi}$7.66±.12; $M_{\theta\phi}$−4.16±.09. Principal Axes: T 11.5,Plg67°,Azm289°; N 0.7,Plg4°,Azm28°; P −12.2,Plg23°,Azm119°. Best double couple: Mo1.2×10^{18}Nm, NP1:ϕ_S217°,δ23°,λ100°. NP2:ϕ_S26°,δ68°,λ86°.						
ISC	**II 20 16 33 25.6**±.69	**42.14N**±.041	**144.01E**±.080	**80**±16		**39**	**1-6**
JMA	II 20 16 33 27.0±.3	42.24N±.02	143.95E±.02	68±3			¶97ii2952
ISC	**II 20 18 21 04**±1.6	**41.18N**±.049	**140.4E**±.17	**150**±17		**28**	**1-5**
JMA	II 20 18 21 05.5±.2	41.15N±.01	140.48E±.02	137±3			¶97ii2959
ISC	**II 21 03 36 27**±1.6	**43.9N**±.21	**145.6E**±.27	**150**		**10**	**0-3**
JMA	II 21 03 36 27.1±.2	43.89N±.01	145.55E±.02	150±2			¶97ii3010
ISC	**II 21 05 05 03**±1.4	**43.4N**±.35	**145.1E**±.23	**92**		**4**	**0-1**
JMA	II 21 05 05 03.3±.1	43.44N±.01	145.10E±.01	92±1			¶97ii3022
ISC	Poorly determined						
ISC	**II 21 09 01 35.8**±.24	**42.89N**±.029	**141.28E**±.061	**155**±3.4	**3.8b**	**79**	**0-87**
MOS	II 21 09 01 36.4	43.0N	141.2E	158	4.6b		¶97ii3043
JMA	II 21 09 01 37.1±.1	42.89N±.01	141.34E±.01	142±2			
NEIC	II 21 09 01 37.7	43.02N	141.09E	170	4.1b		
EIDC	II 21 09 01 38.7	43.0N	141.4E	161	3.5b		
NEIC	Less reliable solution.						
ISC	**II 21 15 57 03.3**±.52	**44.38N**±.063	**144.9E**±.12	**209**±5.8	**3.4b**	**40**	**0-84**
EIDC	II 21 15 56 38.9	44.1N	144.6E	0	3.7b		¶97ii3094
JMA	II 21 15 57 04.1±.5	44.45N±.02	144.92E±.03	195±5			
ISC	**II 22 16 29 01.3**±.95	**41.69N**±.039	**141.51E**±.095	**106**±16		**35**	**0-4**
JMA	II 22 16 29 02.2±.1	41.68N±.01	141.48E±.01	95±2			¶97ii3223
ISC	**II 23 05 39 47.1**±.93	**42.8N**±.20	**143.5E**±.29	**111**		**7**	**0-2**
JMA	II 23 05 39 47.0±.1	42.80N±.03	143.49E±.04	111			¶97ii3300
ISC	**II 23 14 33 49**±7.4	**42.4N**±.33	**139.0E**±.96	**296**		**13**	**2-5**
JMA	II 23 14 33 49.3±.3	42.46N±.03	139.09E±.04	296±3			¶97ii3339
ISC	**II 23 18 12 07**±1.8	**43.3N**±.17	**145.6E**±.24	**94**		**8**	**0-2**
JMA	II 23 18 12 07.5±.2	43.28N±.01	145.59E±.02	94±2			¶97ii3354
ISC	**II 24 01 28 01**±3.0	**43.2N**±.11	**145.1E**±.20	**99**±29		**12**	**0-2**
JMA	II 24 01 28 00.8±.2	43.24N±.01	145.06E±.02	97±2			¶97ii3400
ISC	**II 24 04 28 21**±2.3	**44.1N**±.32	**145.8E**±.34	**144**		**9**	**1-3**
JMA	II 24 04 28 21.1±.3	44.04N±.04	145.84E±.04	144			¶97ii3426
ISC	**II 24 11 23 19.9**±.83	**41.77N**±.035	**142.61E**±.066	**32**±10		**39**	**0-4**
JMA	II 24 11 23 19.5±.1	41.76N±.01	142.57E±.01	45±3	2.9		¶97ii3467
ISC	**II 24 12 36 10**±4.7	**42.6N**±.27	**144.2E**±.19	**70**±47		**8**	**0-2**
JMA	II 24 12 36 11.1±.4	42.63N±.02	144.21E±.02	63±4			¶97ii3478
ISC	**II 24 18 56 30**±3.1	**42.9N**±.16	**143.4E**±.26	**123**±32		**9**	**0-2**
JMA	II 24 18 56 30.1±.4	42.93N±.03	143.33E±.04	123±4			¶97ii3527
JMA	**II 24 19 22 37.8**±.1	**43.51N**±.01	**145.38E**±.00	**87**±1			¶97ii3533
ISC	**II 24 20 41 11**±1.6	**41.74N**±.061	**145.7E**±.19	**52**		**27**	**1-5**
JMA	II 24 20 41 12.4±.3	41.81N±.01	145.51E±.03	52	3.0		¶97ii3537
ISC	**II 25 01 59 44.0**±.29	**42.45N**±.028	**142.58E**±.051	**46**±7.3	**3.8b**	**53**	**0-70**
NEIC	II 25 01 59 43.0	42.40N	143.06E	33	3.6b		¶97ii3562
JMA	II 25 01 59 43.5±.1	42.44N±.01	142.52E±.01	34±3	3.8		
EIDC	II 25 02 00 00.6	41.0N	142.6E	286	3.2b		
NEIC	Less reliable solution.						
ISC	**II 25 03 52 34**±7.0	**43.9N**±.98	**145.0E**±.45	**130**		**5**	**1-2**
JMA	II 25 03 52 35.8±.4	43.62N±.07	145.12E±.03	130			¶97ii3578
ISC	Poorly determined						
ISC	**II 25 08 47 12**±4.0	**43.7N**±.24	**141.7E**±.28	**226**±30		**22**	**0-5**
JMA	II 25 08 47 14.3±.2	43.71N±.03	141.75E±.05	207			¶97ii3603
ISC	**II 25 15 27 03**±1.5	**43.3N**±.19	**145.4E**±.23	**77**		**7**	**0-2**
JMA	II 25 15 27 02.7±.3	43.26N±.01	145.39E±.02	77±3			¶97ii3645
ISC	**II 25 15 29 02**±2.3	**42.9N**±.11	**144.5E**±.14	**107**±24		**18**	**0-3**
JMA	II 25 15 29 03.2±.2	42.89N±.02	144.45E±.02	96±2			¶97ii3646
ISC	**II 25 15 35 11.9**±.74	**41.88N**±.070	**144.1E**±.12	**54**±43		**30**	**1-4**
JMA	II 25 15 35 11.9±.2	41.91N±.02	144.11E±.02	61±5	2.9		¶97ii3648
ISC	**II 25 20 48 34.4**±.88	**43.5N**±.16	**144.9E**±.17	**129**		**9**	**0-1**
JMA	II 25 20 48 34.3±.3	43.45N±.02	144.94E±.02	129±3			¶97ii3689
ISC	**II 26 01 07 49**±2.8	**43.5N**±.29	**145.9E**±.43	**98**		**5**	**0-2**
JMA	II 26 01 07 48.7±.3	43.44N±.02	145.93E±.02	98±2			¶97ii3721
ISC	Poorly determined						
ISC	**II 26 09 26 11**±1.4	**42.79N**±.045	**145.7E**±.16	**39**		**34**	**1-7**
JMA	II 26 09 26 13.6±.4	42.95N±.03	145.44E±.04	39	3.4		¶97ii3773
ISC	**II 26 14 40 58**±5.4	**42.9N**±.24	**145.2E**±.29	**92**±50		**7**	**0-1**
JMA	II 26 14 40 58.8±.3	42.96N±.02	145.15E±.02	84±3			¶97ii3806
ISC	**II 26 14 57 06.2**±.27	**41.50N**±.019	**142.12E**±.045	**71**±3.2	**4.3b**	**158**	**1-94**
JMA	II 26 14 57 06.0±.1	41.49N±.01	142.04E±.01	68±4	4.5		¶97ii3810
MOS	II 26 14 57 06.5	41.5N	142.0E	77	4.9b		
BJI	II 26 14 57 06.5	41.42N	142.16E	94	4.6b		
NEIC	II 26 14 57 07.5	41.47N	142.05E	85	4.5b		
EIDC	II 26 14 57 08.9	41.5N	142.2E	85	4.0b		
ISC	**II 26 15 22 25.3**±.22	**42.72N**±.026	**141.85E**±.057	**159**±3.1	**3.8b**	**90**	**0-86**
MOS	II 26 15 22 23.6	42.7N	142.2E	148	4.2b		¶97ii3813
JMA	II 26 15 22 26.7±.1	42.74N±.01	141.84E±.01	144±2			
NEIC	II 26 15 22 27.5	42.80N	141.69E	176	4.1b		
EIDC	II 26 15 22 28.9	42.8N	141.7E	175	3.6b		
ISC	**II 26 23 06 14**±1.4	**43.3N**±.16	**145.5E**±.18	**65**		**8**	**0-2**
JMA	II 26 23 06 13.6±.3	43.32N±.01	145.49E±.02	65±3			¶97ii3873
ISC	**II 26 23 12 04.4**±.60	**44.22N**±.057	**141.1E**±.10	**243**±6.9	**3.1b**	**43**	**0-68**
EIDC	II 26 23 11 43.2	43.4N	141.6E	0	3.5b,4.1L		¶97ii3874
NEIC	II 26 23 11 46.0	43.45N	141.52E	33			
JMA	II 26 23 12 04.7±.3	44.30N±.02	141.01E±.03	237±3			
NEIC	Single network solution.						
ISC	**II 27 14 22 16.1**±.28	**41.58N**±.020	**142.18E**±.041	**64**±2.8	**5.1b**	**308**	**1-155**
BJI	II 27 14 22 15.0	41.56N	142.17E	75	5.2b,4.3s		¶97ii3969
JMA	II 27 14 22 15.4±.1	41.55N±.01	142.07E±.01	71±4	4.6		
MOS	II 27 14 22 16.6	41.6N	142.0E	72	5.5b		
NEIC	II 27 14 22 16.9	41.52N	142.13E	73	5.0b		
EIDC	II 27 14 22 19.5	41.5N	142.1E	89	4.6b		
ISC	**II 27 22 01 17**±3.1	**42.6N**±.18	**143.5E**±.16	**68**±32		**8**	**0-1**
JMA	II 27 22 01 17.0±.3	42.59N±.03	143.50E±.03	64±3			¶97ii4033
ISC	**II 27 22 58 52**±2.8	**42.4N**±.16	**144.0E**±.16	**88**±32		**11**	**1-2**
JMA	II 27 22 58 52.9±.2	42.39N±.01	143.97E±.02	84±3			¶97ii4054
ISC	**II 28 01 55 05**±3.6	**41.16N**±.091	**139.2E**±.39	**12**		**10**	**1-2**
JMA	II 28 01 55 05.3±.4	41.17N±.01	139.17E±.03	12±4	2.9		¶97ii4097
ISC	**II 28 18 14 37.4**±.47	**42.24N**±.034	**143.21E**±.064	**68**±12		**45**	**0-6**
JMA	II 28 18 14 38.5±.2	42.34N±.02	143.11E±.02	56±3	3.6		¶97ii4307
ISC	**II 28 21 58 03**±1.2	**41.58N**±.054	**142.80E**±.089	**23**±14		**25**	**1-3**
JMA	II 28 21 58 03.3±.1	41.57N±.01	142.75E±.01	31±3	2.8		¶97ii4348
ISC	**II 28 23 42 00**±2.2	**42.8N**±.11	**143.8E**±.18	**81**±27		**9**	**0-2**
JMA	II 28 23 42 00.3±.2	42.76N±.01	143.75E±.02	77±3			¶97ii4364
ISC	**III 01 17 52 36**±6.0	**42.9N**±.21	**143.6E**±.36	**118**±58		**9**	**0-2**
JMA	III 01 17 52 36.7±.3	42.85N±.02	143.62E±.03	109±3			¶97iii0154
ISC	**III 02 02 52 57**±2.5	**43.0N**±.11	**144.6E**±.16	**94**±27		**14**	**0-2**
JMA	III 02 02 52 57.3±.3	42.96N±.02	144.62E±.02	93±3			¶97iii0230
ISC	**III 02 08 37 55**±2.7	**45.0N**±.19	**144.5E**±.17	**7**		**11**	**1-2**
JMA	III 02 08 37 55.0±.3	45.00N±.02	144.53E±.02	7	3.0		¶97iii0267
ISC	**III 02 21 24 50**±1.7	**41.53N**±.054	**142.64E**±.089	**9**±15		**21**	**1-3**
JMA	III 02 21 24 51.0±.2	41.50N±.01	142.64E±.01	23±4	2.9		¶97iii0407
ISC	**III 02 21 43 43**±4.7	**42.4N**±.29	**145.2E**±.24	**15**±22		**8**	**1-2**
JMA	III 02 21 43 43.8±.5	42.48N±.03	145.18E±.03	35	2.8		¶97iii0410
ISC	**III 03 10 26 26.9**±.52	**41.96N**±.039	**142.31E**±.061	**53**±21		**33**	**0-4**
JMA	III 03 10 26 26.9±.1	41.96N±.01	142.28E±.01	54±3	2.9		¶97iii0553
ISC	**III 03 10 49 32**±2.2	**42.63N**±.077	**139.4E**±.21	**23**±12		**16**	**0-3**
JMA	III 03 10 49 31.9±.4	42.65N±.02	139.35E±.03	31±4	3.3		¶97iii0554
ISC	**III 03 14 59 46**±3.1	**43.8N**±.27	**145.9E**±.43	**100**		**6**	**0-2**
JMA	III 03 14 59 45.7±.3	43.79N±.03	145.94E±.04	100			¶97iii0621
ISC	**III 03 22 30 56**±2.2	**43.8N**±.18	**145.8E**±.26	**98**		**9**	**0-3**
JMA	III 03 22 30 56.2±.3	43.77N±.01	145.78E±.02	98±2			¶97iii0700
ISC	**III 04 02 57 45.5**±.35	**42.90N**±.027	**143.91E**±.067	**101**±4.0	**4.0b**	**86**	**0-85**
MOS	III 04 02 57 45.1	43.0N	144.0E	96	4.0b		¶97iii0759
SKHL	III 04 02 57 46.1	42.9N±.09	143.7E±.16	95			
JMA	III 04 02 57 46.9±.2	42.97N±.01	143.84E±.01	84±2	3.9		
NEIC	III 04 02 57 49.1	43.03N	143.93E	130	3.9b		
EIDC	III 04 02 57 51.4	43.0N	143.8E	135	3.7b		
SKHL	K10						
NEIC	Less reliable solution.						
ISC	**III 04 13 40 48**±2.0	**42.6N**±.10	**142.1E**±.11	**113**±25		**16**	**1-3**
JMA	III 04 13 40 49.2±.2	42.62N±.02	142.11E±.02	99±3			¶97iii0852
ISC	**III 04 16 24 51**±2.4	**43.7N**±.18	**145.9E**±.29	**78**		**8**	**0-2**
JMA	III 04 16 24 51.1±.3	43.65N±.02	145.88E±.03	78±3			¶97iii0890
ISC	**III 04 17 41 35**±3.6	**42.9N**±.17	**141.4E**±.21	**144**±37		**16**	**0-3**
JMA	III 04 17 41 34.9±.3	42.92N±.02	141.38E±.02	145±3			¶97iii0898
ISC	**III 04 23 13 57.0**±.89	**43.7N**±.15	**143.2E**±.36	**183**		**10**	**0-2**
JMA	III 04 23 13 57.1±.2	43.71N±.03	143.24E±.05	183			¶97iii0936
ISC	**III 05 01 02 41.1**±.91	**43.6N**±.16	**144.9E**±.19	**138**		**10**	**0-2**
JMA	III 05 01 02 41.3±.4	43.57N±.02	144.92E±.03	138±3			¶97iii0953
ISC	**III 05 10 20 25**±1.1	**43.9N**±.20	**144.8E**±.18	**140**		**9**	**0-2**
JMA	III 05 10 20 25.3±.1	43.88N±.02	144.74E±.02	140			¶97iii1036
ISC	**III 05 15 18 56**±3.7	**42.7N**±.15	**141.6E**±.16	**110**±41		**13**	**0-3**
JMA	III 05 15 18 56.5±.3	42.67N±.02	141.67E±.02	105±3			¶97iii1085
ISC	**III 05 23 57 21.4**±.90	**41.69N**±.054	**144.3E**±.12	**59**		**24**	**1-4**
JMA	III 05 23 57 21.1±.2	41.68N±.01	144.34E±.02	59	3.1		¶97iii1153
ISC	**III 06 02 27 44**±8.6	**41.4N**±.68	**143.7E**±.22	**60**		**7**	**1-2**
JMA	III 06 02 27 47.6±.5	41.71N±.04	143.58E±.03	60			¶97iii1171
ISC	**III 06 11 39 09**±1.3	**41.83N**±.063	**139.4E**±.15	**20**±12		**14**	**0-3**
JMA	III 06 11 39 08.6±.2	41.83N±.01	139.42E±.02	23±2	3.2		¶97iii1262
ISC	**III 06 20 34 48**±2.8	**42.9N**±.14	**145.3E**±.21	**54**±40		**9**	**0-2**
JMA	III 06 20 34 47.7±.2	42.88N±.02	145.33E±.02	60±3	2.8		¶97iii1346
ISC	**III 07 02 07 17**±1.3	**41.81N**±.049	**143.04E**±.096	**8**±11		**24**	**0-3**
JMA	III 07 02 07 16.1±.3	41.75N±.02	143.06E±.02	9±3	3.2		¶97iii1403
JMA	**III 07 07 47 11.5**±.2	**42.28N**±.01	**139.30E**±.02	**11**	**3.0**		¶97iii1464
ISC	**III 07 11 28 36**±1.2	**42.63N**±.056	**142.42E**±.076	**140**±17		**32**	**0-4**
JMA	III 07 11 28 37.7±.2	42.66N±.01	142.39E±.01	122±2			¶97iii1508
JMA	**III 07 22 57 48.2**±.3	**43.65N**±.03	**145.45E**±.04	**130**±3			¶97iii1620
ISC	**III 08 00 27 40**±6.6	**43.0N**±.35	**143.6E**±.38	**92**±61		**6**	**0-1**
JMA	III 08 00 27 40.7±.4	42.95N±.03	143.55E±.04	88±4			¶97iii1629
ISC	Poorly determined						
ISC	**III 08 01 26 16.7**±.88	**41.65N**±.048	**142.25E**±.082	**24**±12		**18**	**1-3**
JMA	III 08 01 26 16.9±.1	41.66N±.01	142.26E±.01	46±3	3.0		¶97iii1636
ISC	**III 08 07 15 15.1**±.27	**44.28N**±.035	**142.13E**±.094	**236**±3.4	**3.5b**	**72**	**0-85**
MOS	III 08 07 15 15.0	44.4N	142.0E	231	4.2b		¶97iii1693
JMA	III 08 07 15 15.8±.2	44.33N±.01	142.13E±.02	230±2			
SKHL	III 08 07 15 16.0	44.5N±.01	142.3E±.01	218±1			
NEIC	III 08 07 15 17.6	44.46N	141.97E	255	4.1b		
EIDC	III 08 07 15 18.5	44.5N	142.1E	242	3.3b		
NEIC	Less reliable solution.						
ISC	**III 08 07 26 27.0**±.51	**42.60N**±.042	**142.81E**±.064	**43**±21		**29**	**0-4**
JMA	III 08 07 26 26.5±.2	42.60N±.02	142.82E±.02	49±4	3.3		¶97iii1696
JMA	**III 08 12 56 08.5**±.6	**42.72N**±.02	**139.43E**±.04	**14**±4	**3.2**		¶97iii1751
JMA	**III 09 02 04 34.6**±.4	**43.52N**±.06	**140.55E**±.08	**258**			¶97iii1885
ISC	**III 09 03 13 16**±1.1	**43.08N**±.057	**143.84E**±.096	**155**±14		**39**	**0-6**
JMA	III 09 03 13 17.5±.2	43.13N±.01	143.79E±.01	137±2			¶97iii1896
ISC	**III 09 04 58 38**±2.2	**43.1N**±.14	**145.6E**±.22	**24**±16		**9**	**0-2**
JMA	III 09 04 58 36.3±.2	43.07N±.01	145.74E±.02	38±2	3.0		¶97iii1907
ISC	**III 09 13 11 15**±3.1	**42.9N**±.12	**143.4E**±.13	**107**±33		**10**	**0-2**
JMA	III 09 13 11 15.2±.3	42.85N±.02	143.42E±.02	101±3			¶97iii1974

ISC	**III**	**09 18 35 52**±1.1	**42.41N**±.086	**144.1E**±.13	**59**±23			**18**	**1-4**
JMA	III	09 18 35 52.5±.2	42.44N±.02	144.11E±.02	54±4	2.8		**¶97iii2050**	
ISC	**III**	**09 18 42 30**±1.4	**42.81N**±.084	**144.5E**±.12	**112**±19			**28**	**0-5**
JMA	III	09 18 42 32.1±.3	42.86N±.02	144.39E±.02	95±4			**¶97iii2051**	
ISC	**III**	**09 18 50 19**±2.5	**42.55N**±.096	**142.4E**±.10	**102**±31			**19**	**0-3**
JMA	III	09 18 50 19.9±.2	42.57N±.01	142.35E±.01	91±3			**¶97iii2054**	
ISC	**III**	**09 23 34 33**±2.1	**44.0N**±.31	**145.2E**±.33	**166**			**8**	**1-2**
JMA	III	09 23 34 33.5±.2	43.88N±.04	145.15E±.04	166			**¶97iii2112**	
ISC	**III**	**10 05 00 24**±2.2	**43.1N**±.14	**145.6E**±.22	**24**±16			**10**	**0-2**
JMA	III	10 05 00 22.0±.2	43.05N±.01	145.74E±.02	40±2	3.0		**¶97iii2149**	
ISC	**III**	**10 08 09 22**±5.8	**42.8N**±.13	**139.4E**±.54	**8**			**7**	**1-2**
JMA	III	10 08 09 21.7±.5	42.77N±.01	139.30E±.04	8±4	2.9		**¶97iii2173**	
ISC	**III**	**10 13 11 39**±6.9	**43.8N**±.21	**145.5E**±.46	**104**±52			**10**	**0-2**
JMA	III	10 13 11 39.3±.3	43.76N±.02	145.48E±.03	104±3			**¶97iii2213**	
JMA	**III**	**10 16 13 11.9**±.5	**42.19N**±.03	**145.79E**±.03	**66**			**¶97iii2243**	
ISC	**III**	**11 11 55 43**±3.1	**42.0N**±.10	**139.3E**±.31	**14**±9.7			**9**	**0-2**
JMA	III	11 11 55 42.6±.3	42.02N±.01	139.30E±.03	15±2	2.9		**¶97iii2371**	
ISC	**III**	**11 18 08 32.6**±.80	**41.89N**±.032	**142.55E**±.064	**30**±10			**38**	**0-4**
JMA	III	11 18 08 32.2±.1	41.88N±.01	142.56E±.01	43±2	3.2		**¶97iii2423**	
ISC	**III**	**11 19 43 52.9**±.46	**41.20N**±.037	**142.71E**±.076	**11**			**30**	**1-3**
JMA	III	11 19 43 52.7±.4	41.18N±.01	142.67E±.02	11±5	3.0		**¶97iii2436**	
ISC	**III**	**12 10 18 10**±1.3	**42.06N**±.054	**141.3E**±.10	**108**±18			**25**	**0-4**
JMA	III	12 10 18 11.7±.1	42.07N±.01	141.35E±.01	92±2			**¶97iii2512**	
ISC	**III**	**12 17 34 05.9**±.74	**43.4N**±.14	**144.3E**±.16	**119**			**9**	**0-2**
JMA	III	12 17 34 05.8±.4	43.41N±.02	144.28E±.02	119±3			**¶97iii2564**	
ISC	**III**	**13 01 12 11.3**±.22	**42.74N**±.021	**143.01E**±.039	**134**±2.5	**4.5b**		**280**	**0-157**
MOS	III	13 01 12 10.8	42.7N	143.0E	132	4.9b		**¶97iii2618**	
BJI	III	13 01 12 10.9	42.96N	142.99E	133	4.6b			
NEIC	III	13 01 12 11.0	42.79N	142.96E	130	4.7b			
SKHL	III	13 01 12 11.0	42.8N±.06	142.8E±.13	128±12				
EIDC	III	13 01 12 11.7	42.7N	143.0E	129	4.3b			
JMA	III	13 01 12 12.2±.2	42.80N±.01	143.00E±.01	129±2	4.6			
ISC	**III**	**13 02 46 56**±2.8	**42.3N**±.13	**141.4E**±.17	**104**±32			**13**	**0-3**
JMA	III	13 02 46 56.1±.3	42.24N±.01	141.39E±.02	99±3			**¶97iii2630**	
ISC	**III**	**13 04 38 52**±1.3	**42.65N**±.070	**145.4E**±.14	**54**±34			**33**	**1-8**
JMA	III	13 04 38 53.6±.2	42.78N±.01	145.19E±.02	49±3	3.7		**¶97iii2647**	
ISC	**III**	**13 05 26 29**±2.8	**42.9N**±.12	**143.5E**±.20	**124**±30			**10**	**0-2**
JMA	III	13 05 26 29.9±.4	42.95N±.02	143.50E±.03	117±4			**¶97iii2650**	
ISC	**III**	**13 06 09 26**±1.3	**42.8N**±.19	**141.4E**±.20	**143**			**8**	**0-2**
JMA	III	13 06 09 26.6±.3	42.75N±.04	141.48E±.04	143			**¶97iii2655**	
ISC	**III**	**13 10 55 23**±4.6	**43.1N**±.16	**143.4E**±.21	**117**±46			**9**	**0-2**
JMA	III	13 10 55 23.7±.4	43.11N±.02	143.36E±.03	112±4			**¶97iii2687**	
JMA	**III**	**14 01 14 05.2**±.4	**43.01N**±.02	**145.99E**±.03	**38**±3	**2.8**		**¶97iii2790**	
ISC	**III**	**14 03 54 16**±2.1	**42.5N**±.12	**143.4E**±.17	**58**±26			**11**	**0-2**
JMA	III	14 03 54 15.3±.3	42.52N±.02	143.39E±.02	60±3	2.0		**¶97iii2808**	
ISC	**III**	**14 07 03 58**±2.1	**42.9N**±.12	**145.3E**±.19	**53**±29			**15**	**0-3**
JMA	III	14 07 03 57.6±.2	42.92N±.01	145.25E±.02	54±3	3.1		**¶97iii2828**	
ISC	**III**	**14 14 08 26**±1.9	**43.1N**±.10	**143.8E**±.12	**120**±22			**16**	**0-3**
JMA	III	14 14 08 27.2±.3	43.08N±.02	143.79E±.02	106±3			**¶97iii2892**	
ISC	**III**	**14 17 06 13**±6.7	**43.3N**±.15	**142.9E**±.27	**129**±64			**9**	**0-1**
JMA	III	14 17 06 12.5±.4	43.32N±.02	142.83E±.02	131±3			**¶97iii2917**	
ISC	**III**	**14 19 13 13**±3.0	**42.7N**±.12	**143.9E**±.17	**98**±33			**12**	**0-2**
JMA	III	14 19 13 12.9±.3	42.74N±.01	143.83E±.02	94±3			**¶97iii2936**	
ISC	**III**	**15 02 59 45**±2.7	**43.4N**±.21	**142.5E**±.57	**166**			**7**	**1-2**
JMA	III	15 02 59 45.2±.3	43.36N±.04	142.46E±.07	166			**¶97iii2984**	
ISC	**III**	**15 03 11 09**±2.9	**41.8N**±.12	**141.4E**±.18	**118**±33			**16**	**0-4**
JMA	III	15 03 11 09.7±.3	41.84N±.01	141.41E±.02	116±3			**¶97iii2986**	
ISC	**III**	**15 04 54 32.6**±.38	**42.75N**±.027	**144.66E**±.056	**81**±4.2	**4.1b**		**115**	**0-151**
NEIC	III	15 04 54 33.1	42.81N	144.45E	88	4.4b		**¶97iii3001**	
JMA	III	15 04 54 33.4±.2	42.84N±.01	144.66E±.02	73±3	4.1			
MOS	III	15 04 54 33.5	42.8N	144.5E	91	4.4b			
SKHL	III	15 04 54 34.0	42.8N	144.8E	90±5				
BJI	III	15 04 54 34.4	42.74N	144.52E	94	4.2b			
EIDC	III	15 04 54 39.6	42.9N	144.6E	129	3.8b			
SKHL	K10.5								
ISC	**III**	**15 10 29 13.6**±.71	**41.50N**±.049	**143.13E**±.096	**84**±19			**34**	**1-4**
JMA	III	15 10 29 14.3±.2	41.50N±.01	143.04E±.03	74			**¶97iii3032**	
ISC	**III**	**15 13 59 17**±1.6	**43.2N**±.23	**145.3E**±.25	**94**			**8**	**0-2**
JMA	III	15 13 59 17.1±.3	43.18N±.02	145.32E±.02	94±3			**¶97iii3062**	
ISC	**III**	**15 17 40 27**±1.2	**43.3N**±.16	**145.3E**±.17	**99**			**9**	**0-2**
JMA	III	15 17 40 26.6±.2	43.25N±.01	145.26E±.02	99±2			**¶97iii3082**	
ISC	**III**	**15 18 20 10**±2.7	**42.48N**±.097	**139.3E**±.26	**22**±12			**14**	**0-2**
JMA	III	15 18 20 10.6±.4	42.47N±.01	139.34E±.04	28±4	3.5		**¶97iii3086**	
ISC	**III**	**15 22 28 19**±1.4	**43.3N**±.14	**145.5E**±.17	**69**			**8**	**0-2**
JMA	III	15 22 28 19.0±.2	43.27N±.01	145.45E±.02	69±3			**¶97iii3119**	
ISC	**III**	**15 22 38 10**±5.1	**42.8N**±.16	**143.2E**±.34	**104**±56			**11**	**0-2**
JMA	III	15 22 38 09.3±.3	42.75N±.02	143.25E±.03	108±3			**¶97iii3122**	
ISC	**III**	**16 02 19 59.5**±.70	**43.2N**±.12	**143.8E**±.19	**132**			**10**	**0-1**
JMA	III	16 02 19 59.4±.4	43.17N±.02	143.74E±.03	132±4			**¶97iii3152**	
ISC	**III**	**16 05 46 09.8**±.28	**41.95N**±.025	**142.31E**±.056	**71**±3.9	**3.8b**		**83**	**0-87**
MOS	III	16 05 46 04.8	41.8N	142.5E	33	4.5b		**¶97iii3170**	
NEIC	III	16 05 46 06.1	42.12N	142.38E	33	3.7b			
JMA	III	16 05 46 10.1±.1	41.95N±.01	142.27E±.01	62±2	4.0			
EIDC	III	16 05 46 10.3	42.2N	142.3E	50	3.6b			
ISC	**III**	**16 12 04 47.5**±.48	**42.76N**±.034	**143.28E**±.060	**53**±14			**40**	**0-5**
JMA	III	16 12 04 47.5±.1	42.77N±.01	143.24E±.01	48±2	3.2		**¶97iii3216**	
ISC	**III**	**16 15 51 08**±8.9	**41.6N**±.64	**144.7E**±.50	**72**			**10**	**1-2**
JMA	III	16 15 51 09.1±.4	41.66N±.03	144.63E±.03	72			**¶97iii3243**	
ISC	**III**	**16 18 23 33.5**±.29	**41.88N**±.028	**142.40E**±.054	**69**±5.8	**3.6b**		**54**	**0-65**
JMA	III	16 18 23 33.7±.0	41.88N±.01	142.36E±.01	55±2	3.5		**¶97iii3251**	
NEIC	III	16 18 23 36.8	41.94N	142.48E	100				
EIDC	III	16 18 23 38.4	42.0N	142.4E	97	3.3b			
NEIC	Less reliable solution.								
ISC	**III**	**16 20 56 39.7**±.64	**42.48N**±.068	**142.58E**±.071	**42**±23			**19**	**0-3**
JMA	III	16 20 56 39.2±.1	42.48N±.01	142.57E±.01	44±3	2.8		**¶97iii3269**	
ISC	**III**	**17 05 47 29.2**±.72	**41.89N**±.031	**142.70E**±.060	**32**±8.7			**39**	**0-5**
JMA	III	17 05 47 28.8±.1	41.89N±.01	142.68E±.01	42±3	3.3		**¶97iii3329**	
ISC	**III**	**17 09 23 16.5**±.26	**41.85N**±.019	**142.17E**±.036	**73**±2.5	**4.9b**		**349**	**1-152**
MOS	III	17 09 23 15.2	41.8N	142.2E	66	5.5b		**¶97iii3354**	
BJI	III	17 09 23 15.6	41.81N	142.18E	84	5.2b,4.3s			
JMA	III	17 09 23 16.4±.1	41.85N±.01	142.18E±.01	66±3	4.7			
NEIC	III	17 09 23 17.0	41.90N	142.11E	77	5.1b			
EIDC	III	17 09 23 19.5	41.8N	142.2E	90	4.6b			
NEIC	Felt I=III J at Shizunai. Also felt in Aomori and Iwate Prefectures, Honshu.								
ISC	**III**	**17 14 13 11**±2.8	**42.9N**±.12	**144.4E**±.15	**95**±30			**10**	**0-1**
JMA	III	17 14 13 11.0±.3	42.91N±.02	144.43E±.02	93±4			**¶97iii3386**	
ISC	**III**	**17 14 17 53.9**±.62	**42.35N**±.036	**144.55E**±.086	**79**±12	3.4b		**56**	**1-70**
JMA	III	17 14 17 55.5±.2	42.47N±.02	144.42E±.02	71±3			**¶97iii3387**	
ISC	**III**	**17 16 23 33**±1.4	**42.5N**±.26	**143.1E**±.41	**71**			**8**	**0-1**
JMA	III	17 16 23 33.0±.3	42.51N±.02	143.06E±.02	71±3			**¶97iii3399**	
ISC	**III**	**17 18 59 40**±3.6	**43.2N**±.15	**145.1E**±.24	**75**±42			**10**	**0-2**
JMA	III	17 18 59 39.8±.2	43.19N±.01	145.10E±.01	72±2			**¶97iii3421**	
ISC	**III**	**17 21 05 01**±5.6	**41.3N**±.10	**139.2E**±.33	**11**±48			**9**	**1-2**
JMA	III	17 21 05 02.0±.3	41.31N±.01	139.22E±.03	16	2.8		**¶97iii3433**	
ISC	**III**	**17 22 16 17.3**±.93	**43.4N**±.14	**144.0E**±.31	**139**			**9**	**0-1**
JMA	III	17 22 16 17.5±.1	43.33N±.03	143.97E±.04	139			**¶97iii3442**	
ISC	**III**	**18 02 31 26**±2.8	**42.2N**±.12	**140.8E**±.25	**141**±26			**22**	**0-4**
JMA	III	18 02 31 27.9±.3	42.11N±.02	140.91E±.02	122±3			**¶97iii3474**	
ISC	**III**	**18 11 31 58**±2.3	**43.31N**±.095	**144.5E**±.13	**88**±26			**14**	**0-2**
JMA	III	18 11 31 57.9±.2	43.30N±.01	144.55E±.01	91±2			**¶97iii3527**	
ISC	**III**	**18 18 15 54.9**±.86	**43.65N**±.057	**140.8E**±.12	**229**±8.3	2.7b		**43**	**0-58**
JMA	III	18 18 15 55.6±.2	43.67N±.01	140.84E±.02	222±2			**¶97iii3576**	
ISC	**III**	**19 03 16 45.1**±.54	**41.18N**±.044	**142.64E**±.076	**57**			**31**	**1-3**
JMA	III	19 03 16 45.1±.1	41.18N±.01	142.60E±.02	57	3.2		**¶97iii3624**	
ISC	**III**	**19 10 07 16**±7.5	**43.6N**±.16	**145.8E**±.62	**98**±50			**14**	**0-4**
JMA	III	19 10 07 14.3±.3	43.59N±.02	145.90E±.03	108±2			**¶97iii3683**	
ISC	**III**	**19 13 29 15**±1.4	**43.5N**±.21	**145.4E**±.30	**85**			**5**	**0-1**
JMA	III	19 13 29 15.4±.3	43.49N±.01	145.40E±.02	85±3			**¶97iii3714**	
ISC	Poorly determined								
ISC	**III**	**19 14 37 46**±3.9	**42.6N**±.15	**143.0E**±.23	**99**±38			**10**	**0-2**
JMA	III	19 14 37 45.9±.2	42.55N±.01	143.00E±.01	103±2			**¶97iii3721**	
ISC	**III**	**19 16 32 49**±3.2	**42.5N**±.59	**143.5E**±.81	**91**			**6**	**0-1**
JMA	III	19 16 32 48.3±.4	42.47N±.05	143.69E±.06	91			**¶97iii3730**	
ISC	Poorly determined								
JMA	**III**	**19 18 01 21.0**±.3	**43.51N**±.07	**144.71E**±.04	**136**			**¶97iii3744**	
ISC	**III**	**19 23 39 04**±3.5	**43.1N**±.13	**143.7E**±.16	**157**±36			**13**	**0-2**
JMA	III	19 23 39 07.2±.3	43.08N±.01	143.70E±.02	129±3			**¶97iii3788**	
ISC	**III**	**20 01 41 55**±2.3	**42.7N**±.51	**143.6E**±.82	**92**			**5**	**0-2**
JMA	III	20 01 41 54.6±.4	42.56N±.05	143.80E±.07	92			**¶97iii3807**	
ISC	Poorly determined								
ISC	**III**	**20 05 30 58.8**±.26	**42.20N**±.023	**143.12E**±.053	**78**±3.8	**4.0b**		**109**	**0-86**
SKHL	III	20 05 30 57.0	42.0N±.29	143.0E±.57	60±1			**¶97iii3844**	
MOS	III	20 05 30 57.6	42.2N	143.3E	70	4.7b			
NEIC	III	20 05 30 58.2	42.21N	143.20E	70	4.2b			
BJI	III	20 05 30 58.3	42.26N	143.19E	72	4.4b			
JMA	III	20 05 30 59.4±.2	42.28N±.01	143.04E±.01	73±2	4.3			
EIDC	III	20 05 30 59.6	42.2N	143.4E	64	3.8b,3.9L			
SKHL	K10								
ISC	**III**	**20 05 52 39.2**±.26	**41.97N**±.022	**142.60E**±.047	**69**±3.0	**4.1b**		**138**	**0-155**
BJI	III	20 05 52 38.9	41.99N	142.57E	81	4.5b		**¶97iii3849**	
JMA	III	20 05 52 39.4±.1	42.00N±.01	142.57E±.01	63±2	4.1			
MOS	III	20 05 52 39.6	42.0N	142.5E	73	4.8b			
NEIC	III	20 05 52 39.6	42.01N	142.51E	72	4.5b			
EIDC	III	20 05 52 41.2	42.1N	142.6E	70	3.8b			
ISC	**III**	**20 06 21 45**±1.1	**42.63N**±.057	**143.31E**±.097	**127**±15			**29**	**0-4**
JMA	III	20 06 21 46.3±.1	42.68N±.01	143.27E±.02	108			**¶97iii3853**	
ISC	**III**	**20 07 23 17.0**±.88	**41.43N**±.036	**141.07E**±.098	**111**±13			**37**	**0-4**
JMA	III	20 07 23 17.3±.1	41.41N±.00	141.01E±.01	108±2			**¶97iii3861**	
ISC	**III**	**20 09 50 13**±1.7	**43.15N**±.081	**144.5E**±.14	**147**±18			**29**	**0-5**
JMA	III	20 09 50 15.5±.2	43.18N±.01	144.40E±.02	121±2			**¶97iii3881**	
ISC	**III**	**20 15 11 13**±3.4	**43.2N**±.14	**144.8E**±.18	**88**±38			**9**	**0-2**
JMA	III	20 15 11 12.9±.2	43.23N±.01	144.83E±.01	87±2			**¶97iii3912**	
ISC	**III**	**20 16 18 10.2**±.60	**41.73N**±.057	**143.6E**±.10	**35**±56			**26**	**0-4**
JMA	III	20 16 18 10.0±.2	41.74N±.02	143.54E±.02	46±3	3.0		**¶97iii3918**	
ISC	**III**	**20 17 07 28**±2.4	**45.6N**±.28	**144.5E**±.22	**322**			**16**	**2-5**
JMA	III	20 17 07 28.3±.4	45.58N±.05	144.48E±.05	322			**¶97iii3927**	
ISC	**III**	**21 02 20 23.5**±.72	**42.00N**±.050	**140.79E**±.061	**6**±8.4			**16**	**0-3**
JMA	III	21 02 20 23.7±.0	42.00N±.00	140.82E±.01	12±2	2.8		**¶97iii3985**	
ISC	**III**	**21 15 21 55**±1.9	**42.34N**±.085	**141.7E**±.11	**76**±30			**14**	**0-2**
JMA	III	21 15 21 54.5±.2	42.34N±.01	141.69E±.01	82±3			**¶97iii4090**	
ISC	**III**	**21 22 43 41**±1.1	**42.8N**±.19	**142.5E**±.18	**119**			**6**	**0-1**
JMA	III	21 22 43 41.1±.3	42.74N±.02	142.51E±.02	119±3			**¶97iii4147**	
ISC	**III**	**21 23 22 57**±1.7	**43.8N**±.24	**143.4E**±.41	**182**			**8**	**0-2**
JMA	III	21 23 22 56.5±.2	43.80N±.03	143.40E±.05	182			**¶97iii4151**	
ISC	**III**	**21 23 48 53**±3.6	**43.3N**±.13	**144.8E**±.18	**94**±38			**10**	**0-2**
JMA	III	21 23 48 52.8±.3	43.35N±.01	144.76E±.02	92±3			**¶97iii4157**	
ISC	**III**	**22 02 07 59**±1.9	**43.22N**±.098	**142.1E**±.12	**191**±19			**28**	**0-5**
JMA	III	22 02 08 01.5±.3	43.17N±.02	142.11E±.02	163±3			**¶97iii4183**	
ISC	**III**	**22 07 28 01**±1.1	**42.5N**±.15	**142.4E**±.15	**117**			**10**	**0-3**
JMA	III	22 07 28 01.4±.4	42.50N±.02	142.33E±.03	117±4			**¶97iii4222**	
ISC	**III**	**22 13 57 57**±1.1	**42.51N**±.064	**142.97E**±.076	**93**±16			**24**	**0-2**
JMA	III	22 13 57 57.5±.2	42.52N±.01	142.95E±.01	87±3			**¶97iii4277**	
ISC	**III**	**22 22 47 21**±1.1	**41.31N**±.036	**140.00E**±.094	**4**±9.8			**21**	**0-3**
JMA	III	22 22 47 21.8±.1	41.30N±.00	140.03E±.01	10±2	3.1		**¶97iii4330**	
ISC	**III**	**22 23 44 25.1**±.36	**41.04N**±.028	**142.53E**±.065	**47**±10	**3.7b**		**50**	**1-46**
EIDC	III	22 23 44 22.5	41.4N	142.5E	0	3.8b,3.2L		**¶97iii4338**	
JMA	III	22 23 44 24.9±.1	41.02N±.01	142.44E±.01	41	3.5			
NEIC	III	22 23 44 25.5	41.06N	142.61E	50				
NEIC	Less reliable solution.								
ISC	**III**	**23 00 39 55**±1.1	**42.81N**±.059	**142.59E**±.070	**96**±17			**23**	**0-2**
JMA	III	23 00 39 55.7±.1	42.79N±.01	142.58E±.01	92±2			**¶97iii4352**	
ISC	**III**	**23 18 19 54.1**±.77	**44.82N**±.056	**141.87E**±.091	**16**±14			**13**	**0-2**
JMA	III	23 18 19 54.3±.1	44.81N±.01	141.84E±.02	20	2.9		**¶97iii4471**	
JMA	**III**	**23 21 01 16.7**±.4	**43.41N**±.03	**145.27E**±.01	**86**±3			**¶97iii4485**	
ISC	**III**	**24 02 03 29**±1.4	**43.0N**±.42	**143.6E**±.70	**86**			**5**	**0-1**
JMA	III	24 02 03 29.2±.3	42.99N±.02	143.61E±.03	86±3			**¶97iii4510**	
ISC	Poorly determined								
ISC	**III**	**24 13 19 57.9**±.57	**41.51N**±.054	**141.98E**±.095	**62**			**14**	**1-3**
JMA	III	24 13 19 57.6±.1	41.49N±.01	141.97E±.01	62			**¶97iii4572**	
ISC	**III**	**24 16 36 14**±2.0	**42.89N**±.087	**141.3E**±.17	**172**±22			**25**	**0-4**
JMA	III	24 16 36 15.6±.4	42.89N±.02	141.42E±.03	154±4			**¶97iii4589**	
ISC	**III**	**24 17 39 17**±2.0	**43.5N**±.22	**145.6E**±.36	**79**			**6**	**0-1**
JMA	III	24 17 39 16.4±.5	43.54N±.02	145.65E±.03	79±4			**¶97iii4598**	
ISC	Poorly determined								
ISC	**III**	**24 17 41 33.7**±.41	**42.54N**±.028	**143.62E**±.071	**73**±6.3	**3.5b**		**73**	**0-66**
NEIC	III	24 17 41 34.0	42.56N	143.49E	74			**¶97iii4599**	
JMA	III	24 17 41 34.5±.2	42.59N±.01	143.51E±.01	64±3	3.7			
EIDC	III	24 17 41 36.6	42.6N	143.4E	78	3.2b,3.7s			
NEIC	Less reliable solution.								
ISC	**III**	**24 21 46 51**±5.2	**43.0N**±.23	**145.2E**±.28	**96**±48			**7**	**0-1**
JMA	III	24 21 46 51.9±.3	42.95N±.02	145.16E±.02	85±3			**¶97iii4622**	
ISC	**III**	**24 22 33 55.7**±.65	**43.3N**±.12	**144.4E**±.13	**132**			**13**	**0-2**
JMA	III	24 22 33 55.6±.3	43.28N±.02	144.39E±.02	132±3			**¶97iii4631**	
ISC	**III**	**25 12 23 49.7**±.72	**43.3N**±.12	**142.9E**±.15	**134**			**11**	**0-2**
JMA	III	25 12 23 49.6±.4	43.29N±.02	142.86E±.02	134±4			**¶97iii4729**	
ISC	**III**	**25 12 29 06**±1.2	**42.64N**±.067	**144.4E**±.11	**111**±18			**29**	**0-6**
JMA	III	25 12 29 08.1±.2	42.74N±.01	144.31E±.02	91±3			**¶97iii4730**	
ISC	**III**	**25 19 48 05**±3.9	**43.0N**±.18	**144.3E**±.20	**129**±39			**10**	**0-1**
JMA	III	25 19 48 06.1±.3	43.03N±.02	144.29E±.02	122±3			**¶97iii4776**	
ISC	**III**	**25 20 37 06.5**±.80	**42.20N**±.052	**143.16E**±.079	**103**±14			**32**	**0-4**
JMA	III	25 20 37 07.3±.2	42.27N±.01	143.09E±.02	96±3			**¶97iii4785**	

Agency		Origin Time	φ	λ	h	Mag	n	Δ-Rng
	mo	d h m s	°	°	km			°
JMA	**III**	**26 02 08 17.5**±.5	**41.38N**±.02	**139.34E**±.04	**2**±3	**3.0**		**¶97iii4827**
ISC	**III**	**26 05 58 04**±2.4	**41.9N**±.12	**139.4E**±.28	**13**±20		**7**	**0-1**
JMA	III	26 05 58 03.7±.2	41.88N±.01	139.38E±.02	16±2	2.8		**¶97iii4850**
ISC	**III**	**26 07 07 48.2**±.25	**45.73N**±.039	**143.29E**±.068	**320**±3.8	**3.9b**	**87**	**1-149**
BJI	III	26 07 07 41.9	46.13N	143.80E	265	4.3b		**¶97iii4855**
NEIC	III	26 07 07 43.0	46.17N	143.27E	250	4.0b		
EIDC	III	26 07 07 46.1	45.9N	143.3E	279	3.7b		
MOS	III	26 07 07 48.0	45.8N	143.4E	308	4.6b		
JMA	III	26 07 07 48.1±.4	45.67N±.03	143.34E±.04	328±3			
SKHL	III	26 07 07 49.0	45.87N±.10	143.38E±.17	327±8			
ISC	**III**	**26 08 09 40**±6.3	**43.8N**±.60	**142.2E**±.98	**235**		**7**	**1-3**
JMA	III	26 08 09 41.5±.4	43.74N±.05	142.44E±.06	235			**¶97iii4860**
ISC	**III**	**26 14 10 17**±1.7	**42.87N**±.080	**141.5E**±.12	**171**±19		**36**	**0-4**
JMA	III	26 14 10 18.6±.1	42.86N±.01	141.53E±.01	153±2			**¶97iii4997**
JMA	**III**	**26 14 25 48.0**±.4	**42.05N**±.03	**140.06E**±.05	**196**			**¶97iii5000**
JMA	**III**	**26 15 30 13.7**±.4	**42.53N**±.04	**143.81E**±.05	**82**			**¶97iii5015**
ISC	**III**	**26 15 59 00**±6.8	**42.8N**±.19	**144.1E**±.26	**83**±62		**11**	**0-1**
JMA	III	26 15 58 59.9±.3	42.78N±.02	144.08E±.02	80±4			**¶97iii5024**
ISC	**III**	**26 21 02 58**±4.3	**41.00N**±.078	**139.1E**±.40	**18**±25		**10**	**1-2**
JMA	III	26 21 02 57.8±.3	41.02N±.01	139.07E±.03	26±5	2.9		**¶97iii5077**
ISC	**III**	**27 08 38 56.0**±.91	**43.00N**±.055	**143.59E**±.079	**136**±13		**48**	**0-7**
JMA	III	27 08 38 58.0±.2	43.05N±.01	143.54E±.01	116±3			**¶97iii5176**
ISC	**III**	**27 11 35 19**±5.2	**41.2N**±.58	**142.0E**±.34	**98**±26	3.0b	**6**	**1-60**
JMA	III	27 11 35 23.0±.3	41.43N±.03	141.88E±.02	64			**¶97iii5210**
ISC	**III**	**27 15 12 32**±1.1	**41.33N**±.040	**140.0E**±.10	**5**±11		**13**	**0-2**
JMA	III	27 15 12 32.4±.1	41.33N±.00	140.04E±.01	9±2	2.8		**¶97iii5253**
ISC	**III**	**27 16 14 54**±4.7	**43.0N**±.19	**145.2E**±.26	**82**±47		**8**	**0-1**
JMA	III	27 16 14 53.8±.2	43.01N±.01	145.17E±.02	83±2			**¶97iii5262**
ISC	**III**	**28 02 41 14**±1.4	**41.60N**±.041	**142.90E**±.083	**10**±11		**29**	**0-3**
JMA	III	28 02 41 14.6±.2	41.60N±.01	142.87E±.02	23±4	3.1		**¶97iii5348**
ISC	**III**	**28 06 30 24**±2.0	**43.0N**±.14	**145.4E**±.19	**42**		**10**	**0-2**
JMA	III	28 06 30 23.2±.3	42.98N±.02	145.41E±.03	42±4	2.8		**¶97iii5371**
ISC	**III**	**28 08 07 55.4**±.88	**43.67N**±.041	**141.69E**±.064	**9**±7.7		**21**	**0-2**
JMA	III	28 08 07 55.7±.1	43.65N±.01	141.68E±.01	9±2	2.9		**¶97iii5385**
ISC	**III**	**28 11 59 12.4**±.30	**41.56N**±.024	**142.77E**±.055	**55**±4.1	**4.1b,3.7s**	**108**	**1-87**
JMA	III	28 11 59 11.5±.1	41.54N±.01	142.70E±.01	34±3	4.2		**¶97iii5433**
MOS	III	28 11 59 12.5	41.5N	142.8E	61	4.5b		
BJI	III	28 11 59 13.1	41.55N	142.77E	78	4.5b,3.8s		
NEIC	III	28 11 59 13.9	41.57N	142.51E	66	4.1b		
EIDC	III	28 11 59 15.7	41.5N	142.8E	71	3.8b,3.7s		
ISC	**III**	**28 12 19 51.9**±.53	**41.53N**±.043	**142.68E**±.089	**20**		**32**	**1-3**
JMA	III	28 12 19 51.4±.2	41.53N±.01	142.64E±.01	20±4	2.8		**¶97iii5436**
JMA	**III**	**28 21 36 35.3**±.2	**41.07N**±.01	**139.05E**±.02	**20**	**2.8**		**¶97iii5486**
ISC	**III**	**28 21 48 07**±2.2	**42.8N**±.13	**145.2E**±.16	**17**±18		**12**	**0-2**
JMA	III	28 21 48 06.5±.2	42.74N±.01	145.28E±.02	38±3	2.9		**¶97iii5489**
ISC	**III**	**29 01 50 48**±3.5	**42.3N**±.11	**139.2E**±.34	**25**±12		**10**	**0-2**
JMA	III	29 01 50 48.0±.4	42.31N±.02	139.19E±.04	29±3	3.0		**¶97iii5518**
ISC	**III**	**29 07 41 37**±3.8	**42.9N**±.28	**145.8E**±.36	**67**		**8**	**0-2**
JMA	III	29 07 41 37.7±.5	42.96N±.03	145.72E±.04	67±4			**¶97iii5556**
ISC	**III**	**29 16 38 39.1**±.94	**42.09N**±.095	**142.57E**±.083	**29**±10		**18**	**0-2**
JMA	III	29 16 38 39.0±.1	42.12N±.01	142.55E±.01	32±2	2.8		**¶97iii5623**
ISC	**III**	**31 01 54 19**±1.8	**42.5N**±.16	**144.5E**±.15	**62**±25		**17**	**0-3**
JMA	III	31 01 54 19.2±.2	42.54N±.02	144.45E±.02	62±3			**¶97iii5829**
JMA	**III**	**31 17 32 55.7**±.4	**42.43N**±.01	**139.05E**±.04	**16**±4	**2.9**		**¶97iii5913**
ISC	**IV**	**01 04 33 37**±5.5	**42.9N**±.19	**144.0E**±.24	**100**±52		**9**	**0-1**
JMA	IV	01 04 33 37.3±.5	42.89N±.03	143.97E±.03	95±5			**¶97iv0019**
ISC	**IV**	**01 18 46 08**±3.8	**42.9N**±.16	**139.4E**±.34	**26**±16		**10**	**1-2**
JMA	IV	01 18 46 08.0±.3	42.85N±.01	139.40E±.03	31±4	2.9		**¶97iv0126**
ISC	**IV**	**01 19 46 46**±1.1	**42.66N**±.070	**143.27E**±.074	**70**±16		**22**	**0-2**
JMA	IV	01 19 46 45.9±.2	42.66N±.01	143.25E±.01	73±2			**¶97iv0131**
ISC	**IV**	**01 20 53 36**±2.3	**42.2N**±.19	**142.9E**±.17	**58**±28		**8**	**0-2**
JMA	IV	01 20 53 36.0±.1	42.19N±.01	142.91E±.01	62±1			**¶97iv0138**
ISC	**IV**	**02 02 42 02**±1.1	**42.8N**±.15	**141.4E**±.17	**129**		**9**	**0-2**
JMA	IV	02 02 42 02.1±.2	42.74N±.03	141.42E±.03	129			**¶97iv0175**
ISC	**IV**	**02 02 44 19**±4.6	**42.9N**±.17	**143.8E**±.26	**85**±46		**6**	**0-1**
JMA	IV	02 02 44 19.1±.3	42.89N±.02	143.74E±.02	82±3			**¶97iv0177**
ISC	**IV**	**02 04 40 30.2**±.55	**42.19N**±.037	**142.95E**±.070	**83**±12		**38**	**0-5**
JMA	IV	02 04 40 31.0±.3	42.24N±.02	142.90E±.02	72±3			**¶97iv0191**
ISC	**IV**	**02 10 23 28**±3.4	**42.9N**±.11	**143.5E**±.15	**115**±37		**12**	**0-2**
JMA	IV	02 10 23 28.1±.3	42.88N±.02	143.52E±.02	109±4			**¶97iv0230**
ISC	**IV**	**02 13 57 15.2**±.52	**41.10N**±.040	**142.02E**±.081	**44**		**32**	**1-4**
JMA	IV	02 13 57 14.9±.1	41.09N±.01	141.99E±.02	44	3.2		**¶97iv0255**
ISC	**IV**	**02 23 45 20**±4.3	**42.4N**±.14	**142.9E**±.16	**116**±45		**16**	**0-2**
JMA	IV	02 23 45 20.8±.4	42.46N±.02	142.88E±.02	105±4			**¶97iv0351**
ISC	**IV**	**03 08 09 35**±4.5	**44.6N**±.36	**141.2E**±.49	**238**		**15**	**1-6**
JMA	IV	03 08 09 36.9±.4	44.49N±.04	141.45E±.07	238			**¶97iv0397**
ISC	**IV**	**03 23 23 36.1**±.32	**42.02N**±.030	**142.62E**±.054	**69**±6.6	**3.4b**	**52**	**0-86**
JMA	IV	03 23 23 36.3±.1	42.02N±.01	142.58E±.01	63±2			**¶97iv0501**
NEIC	IV	03 23 23 42.1	42.30N	142.35E	118			
EIDC	IV	03 23 23 43.4	42.1N	142.4E	124	3.2b		
NEIC	Poor solution.							
ISC	**IV**	**04 03 57 46**±1.6	**42.5N**±.13	**143.2E**±.11	**83**±20		**15**	**0-2**
JMA	IV	04 03 57 46.4±.2	42.54N±.02	143.18E±.02	73±3			**¶97iv0539**
ISC	**IV**	**04 04 53 51**±3.6	**43.1N**±.67	**142.7E**±.60	**173**		**6**	**1-2**
JMA	IV	04 04 53 50.2±.2	43.14N±.06	142.61E±.03	173			**¶97iv0544**
ISC	**IV**	**04 07 31 22**±1.8	**42.80N**±.074	**139.1E**±.22	**54**±18	3.0b	**26**	**1-60**
JMA	IV	04 07 31 22.9±.3	42.82N±.01	139.23E±.03	38±4	3.3		**¶97iv0565**
ISC	**IV**	**04 15 26 40**±1.0	**43.11N**±.056	**143.68E**±.084	**132**±13		**35**	**0-6**
JMA	IV	04 15 26 42.1±.2	43.16N±.01	143.63E±.01	109±2			**¶97iv0626**
ISC	**IV**	**04 22 41 44.0**±.48	**42.27N**±.032	**142.60E**±.058	**80**±12		**44**	**0-5**
JMA	IV	04 22 41 44.6±.1	42.31N±.01	142.55E±.01	71±2			**¶97iv0666**
ISC	**IV**	**05 01 46 18**±1.3	**43.2N**±.20	**145.3E**±.20	**92**		**8**	**0-2**
JMA	IV	05 01 46 17.5±.5	43.21N±.04	145.31E±.03	92±5			**¶97iv0676**
ISC	**IV**	**05 11 16 59**±1.9	**44.2N**±.27	**145.0E**±.25	**152**		**9**	**0-3**
JMA	IV	05 11 16 59.5±.5	44.11N±.03	144.96E±.04	152±5			**¶97iv0760**
JMA	**IV**	**05 18 17 49.8**±.7	**44.47N**±.06	**145.94E**±.08	**158**			**¶97iv0825**
ISC	**IV**	**05 21 03 58**±2.0	**42.01N**±.078	**139.4E**±.22	**20**±9.8		**11**	**0-2**
JMA	IV	05 21 03 58.2±.2	42.01N±.01	139.38E±.03	22±2	2.9		**¶97iv0855**
ISC	**IV**	**05 22 56 16**±1.4	**43.0N**±.16	**143.7E**±.61	**87**		**8**	**0-2**
JMA	IV	05 22 56 15.7±.5	42.98N±.02	143.88E±.03	87±4			**¶97iv0872**
JMA	**IV**	**06 01 38 30.6**±.7	**42.97N**±.02	**139.31E**±.06	**29**	**2.8**		**¶97iv0902**
ISC	**IV**	**06 02 15 16**±4.6	**41.3N**±.39	**141.1E**±.26	**102**		**10**	**1-2**
JMA	IV	06 02 15 16.6±.3	41.26N±.03	141.12E±.04	102±3			**¶97iv0909**
ISC	**IV**	**06 05 06 08**±5.7	**43.0N**±.27	**141.6E**±.30	**184**±54		**10**	**0-3**
JMA	IV	06 05 06 11.5±.5	42.95N±.04	141.75E±.03	156±4			**¶97iv0932**
ISC	**IV**	**06 06 54 16**±5.5	**43.0N**±.28	**145.1E**±.26	**75**±52		**7**	**0-1**
JMA	IV	06 06 54 15.4±.2	42.95N±.02	145.07E±.01	81±2			**¶97iv0953**
ISC	**IV**	**06 22 49 10**±1.1	**42.85N**±.054	**142.07E**±.083	**155**±15		**38**	**0-4**
JMA	IV	06 22 49 10.6±.1	42.87N±.01	142.06E±.01	149±2			**¶97iv1066**
ISC	**IV**	**06 23 41 53**±2.2	**42.6N**±.13	**143.9E**±.15	**105**±24		**14**	**0-2**
JMA	IV	06 23 41 53.8±.2	42.64N±.02	143.85E±.02	99±3			**¶97iv1075**
ISC	**IV**	**07 02 36 13**±3.7	**43.2N**±.13	**145.6E**±.33	**54**±41		**13**	**0-4**
JMA	IV	07 02 36 13.2±.3	43.18N±.02	145.52E±.03	53±3	2.9		**¶97iv1089**
ISC	**IV**	**07 17 41 21.5**±.43	**41.81N**±.033	**143.08E**±.063	**15**		**40**	**0-4**
JMA	IV	07 17 41 20.4±.3	41.76N±.02	143.10E±.02	15±3	3.4		**¶97iv1199**
ISC	**IV**	**07 17 59 47**±1.1	**41.83N**±.036	**143.07E**±.064	**11**±8.2		**38**	**0-3**
JMA	IV	07 17 59 47.0±.3	41.79N±.02	143.08E±.02	19±3	3.3		**¶97iv1204**
ISC	**IV**	**08 07 14 38**±1.8	**42.7N**±.11	**143.4E**±.10	**101**±22		**15**	**0-2**
JMA	IV	08 07 14 38.0±.2	42.68N±.02	143.36E±.02	96±3			**¶97iv1288**
ISC	**IV**	**08 09 58 28.9**±.43	**41.46N**±.031	**142.10E**±.062	**48**±36		**40**	**1-4**
JMA	IV	08 09 58 28.6±.1	41.45N±.01	142.05E±.01	63±4			**¶97iv1311**
ISC	**IV**	**08 16 29 08**±2.7	**42.9N**±.11	**145.1E**±.20	**79**±28		**15**	**0-3**
JMA	IV	08 16 29 08.0±.2	42.92N±.02	145.10E±.02	82±3			**¶97iv1360**
ISC	**IV**	**08 20 47 42**±4.5	**42.3N**±.24	**143.0E**±.29	**73**±45		**8**	**0-2**
JMA	IV	08 20 47 42.4±.4	42.33N±.02	143.01E±.03	71±4			**¶97iv1404**
ISC	**IV**	**09 05 00 23**±1.1	**42.43N**±.086	**143.0E**±.13	**123**±16		**25**	**0-4**
JMA	IV	09 05 00 24.2±.3	42.49N±.02	142.93E±.02	107±3			**¶97iv1460**
ISC	**IV**	**09 09 35 41**±6.5	**42.9N**±.50	**144.0E**±.68	**106**±61		**7**	**0-1**
JMA	IV	09 09 35 41.3±.3	42.87N±.02	143.97E±.03	100±3			**¶97iv1491**
ISC	Poorly determined							
ISC	**IV**	**09 20 06 45.0**±.89	**41.97N**±.056	**141.90E**±.092	**61**±24		**22**	**1-3**
JMA	IV	09 20 06 45.2±.1	41.99N±.01	141.89E±.01	57±3	2.8		**¶97iv1574**
ISC	**IV**	**09 23 16 02.7**±.82	**42.45N**±.057	**144.29E**±.096	**69**±19		**29**	**1-5**
JMA	IV	09 23 16 03.4±.2	42.52N±.02	144.20E±.02	65±4			**¶97iv1595**
ISC	**IV**	**10 11 26 25**±1.2	**41.64N**±.057	**139.8E**±.11	**11**±11		**11**	**0-2**
JMA	IV	10 11 26 25.3±.0	41.63N±.00	139.83E±.01	15±1	3.2		**¶97iv1683**
ISC	**IV**	**10 11 50 43.3**±.46	**41.86N**±.037	**142.41E**±.061	**47**±23		**33**	**0-3**
JMA	IV	10 11 50 43.1±.0	41.87N±.01	142.37E±.01	52±2	3.1		**¶97iv1684**
ISC	**IV**	**10 13 14 15**±2.6	**42.5N**±.13	**144.0E**±.17	**60**±34		**10**	**0-2**
JMA	IV	10 13 14 14.9±.3	42.54N±.02	144.04E±.03	60±4	2.2		**¶97iv1696**
ISC	**IV**	**10 18 09 40**±2.6	**42.0N**±.16	**141.9E**±.12	**101**±31		**14**	**1-3**
JMA	IV	10 18 09 41.2±.3	42.05N±.02	141.90E±.01	82±4			**¶97iv1724**
ISC	**IV**	**10 19 44 22**±4.5	**42.5N**±.16	**143.1E**±.22	**101**±43		**10**	**0-2**
JMA	IV	10 19 44 22.4±.2	42.52N±.01	143.10E±.02	100±2			**¶97iv1739**
ISC	**IV**	**11 02 36 32.6**±.82	**41.80N**±.039	**142.79E**±.077	**25**±10		**34**	**0-3**
JMA	IV	11 02 36 32.5±.1	41.79N±.01	142.76E±.01	34±2	3.3		**¶97iv1787**
ISC	**IV**	**11 03 17 05**±3.4	**43.0N**±.18	**143.9E**±.25	**93**±37		**9**	**0-1**
JMA	IV	11 03 17 05.1±.3	42.98N±.02	143.83E±.02	87±3			**¶97iv1793**
ISC	**IV**	**11 03 51 28.1**±.24	**41.50N**±.022	**142.08E**±.048	**71**±3.2	**4.0b**	**106**	**1-89**
BJI	IV	11 03 51 26.9	41.42N	142.23E	83	4.5b		**¶97iv1799**
MOS	IV	11 03 51 27.2	41.5N	142.0E	61	4.7b		
JMA	IV	11 03 51 27.9±.1	41.46N±.00	142.04E±.01	63±3			
NEIC	IV	11 03 51 28.2	41.51N	142.03E	74	4.3b		
EIDC	IV	11 03 51 30.7	41.6N	142.1E	81	3.8b		
ISC	**IV**	**11 08 47 11.6**±.96	**41.66N**±.034	**142.27E**±.064	**23**±12		**33**	**1-3**
JMA	IV	11 08 47 11.9±.1	41.66N±.01	142.26E±.01	43±4	3.2		**¶97iv1845**
ISC	**IV**	**11 15 47 52**±3.4	**42.9N**±.15	**144.0E**±.19	**106**±37		**9**	**0-1**
JMA	IV	11 15 47 52.9±.4	42.90N±.02	144.04E±.03	100±4			**¶97iv1931**
ISC	**IV**	**12 03 39 15**±2.7	**42.6N**±.18	**143.7E**±.14	**71**±30		**11**	**0-2**
JMA	IV	12 03 39 15.0±.2	42.58N±.02	143.67E±.02	65±3			**¶97iv2003**
ISC	**IV**	**12 05 34 48**±4.4	**42.5N**±.30	**143.6E**±.31	**66**±52		**7**	**0-2**
JMA	IV	12 05 34 47.3±.4	42.55N±.04	143.61E±.04	69±5			**¶97iv2010**
ISC	Poorly determined							
ISC	**IV**	**12 06 43 27.2**±.99	**42.93N**±.057	**145.8E**±.15	**103**±9.0	**3.4b**	**37**	**0-67**
EIDC	IV	12 06 43 16.6	42.7N	145.1E	0	3.5b		**¶97iv2021**
JMA	IV	12 06 43 30.7±.2	43.08N±.01	145.53E±.02	83±2			
ISC	**IV**	**12 08 59 49**±4.6	**43.3N**±.15	**144.9E**±.20	**90**±49		**8**	**0-1**
JMA	IV	12 08 59 49.3±.2	43.27N±.01	144.88E±.01	85±2			**¶97iv2040**
ISC	**IV**	**12 11 09 39.8**±.37	**42.48N**±.026	**144.31E**±.059	**71**±4.7	**3.8b**	**90**	**1-85**
JMA	IV	12 11 09 40.2±.2	42.54N±.02	144.23E±.02	65±3	3.9		**¶97iv2055**
NEIC	IV	12 11 09 40.3	42.49N	144.18E	76	4.4b		
SKHL	IV	12 11 09 41.0	42.6N±.01	144.1E±.02	85±1			
MOS	IV	12 11 09 41.1	42.5N	144.0E	87	4.8b		
EIDC	IV	12 11 09 52.5	42.7N	144.0E	172	3.4b		
SKHL	K10							
ISC	**IV**	**13 01 19 12.3**±.26	**41.98N**±.023	**142.51E**±.048	**70**±3.0	**4.2b**	**149**	**0-152**
BJI	IV	13 01 19 11.6	41.95N	142.62E	88	4.5b		**¶97iv2166**
JMA	IV	13 01 19 12.4±.1	41.98N±.01	142.50E±.01	62±2	4.1		
SKHL	IV	13 01 19 13.0	42.0N±.08	142.6E±.19	78±9			
MOS	IV	13 01 19 13.1	42.1N	142.3E	77	4.9b		
NEIC	IV	13 01 19 13.1	42.12N	142.32E	73	4.5b		
EIDC	IV	13 01 19 14.5	42.1N	142.4E	72	3.9b		
SKHL	K10							
ISC	**IV**	**13 04 03 06**±1.7	**43.7N**±.25	**143.5E**±.39	**171**		**8**	**0-2**
JMA	IV	13 04 03 05.9±.2	43.63N±.04	143.57E±.05	171			**¶97iv2186**
ISC	**IV**	**13 06 11 25**±1.2	**43.0N**±.16	**144.0E**±.20	**138**±12	2.7b	**9**	**0-58**
JMA	IV	13 06 11 29.8±.2	42.99N±.01	144.01E±.02	88±3			**¶97iv2201**
ISC	**IV**	**13 09 46 36**±7.3	**43.2N**±.13	**145.9E**±.70	**52**±46		**12**	**0-3**
JMA	IV	13 09 46 32.5±.3	43.17N±.02	146.22E±.03	67±3			**¶97iv2215**
ISC	**IV**	**13 13 59 46**±1.5	**43.4N**±.18	**145.7E**±.18	**40**±14	3.0b	**7**	**0-57**
JMA	IV	13 13 59 39.6±.3	43.29N±.02	146.30E±.03	77±2			**¶97iv2250**
ISC	**IV**	**13 14 14 43**±1.7	**41.82N**±.075	**139.4E**±.18	**19**±14		**13**	**0-3**
JMA	IV	13 14 14 43.7±.2	41.82N±.01	139.43E±.02	19±2	3.0		**¶97iv2252**
ISC	**IV**	**13 17 55 24.7**±.52	**41.90N**±.041	**142.50E**±.063	**48**±21		**31**	**0-3**
JMA	IV	13 17 55 24.5±.1	41.90N±.01	142.47E±.01	53±2	2.8		**¶97iv2278**
ISC	**IV**	**13 19 27 40.7**±.63	**42.03N**±.033	**141.46E**±.071	**118**±12		**48**	**0-5**
JMA	IV	13 19 27 42.0±.1	42.06N±.01	141.43E±.01	102±2			**¶97iv2288**
ISC	**IV**	**14 07 51 16**±2.5	**42.6N**±.52	**142.8E**±.78	**101**		**6**	**0-2**
JMA	IV	14 07 51 16.1±.3	42.58N±.02	142.80E±.02	101±3			**¶97iv2413**
ISC	Poorly determined							
ISC	**IV**	**14 20 28 11**±4.4	**42.9N**±.13	**143.8E**±.22	**84**±45		**9**	**0-2**
JMA	IV	14 20 28 11.1±.3	42.92N±.01	143.76E±.02	82±3			**¶97iv2511**
ISC	**IV**	**14 22 32 47.9**±.44	**42.57N**±.028	**144.61E**±.066	**76**±4.4	**4.0b**	**85**	**0-154**
NEIC	IV	14 22 32 48.3	42.68N	144.40E	75	4.4b		**¶97iv2520**
JMA	IV	14 22 32 48.8±.2	42.65N±.01	144.59E±.01	67±3	3.7		
MOS	IV	14 22 32 49.0	42.7N	144.5E	84	4.3b		
EIDC	IV	14 22 32 50.4	42.7N	144.4E	77	3.8b		
ISC	**IV**	**15 03 02 12.0**±.52	**45.57N**±.070	**142.5E**±.19	**331**±6.0	**3.1b**	**50**	**1-71**
EIDC	IV	15 03 01 31.3	44.8N	141.6E	0	3.6b		**¶97iv2545**
JMA	IV	15 03 02 12.5±.4	45.64N±.03	142.47E±.05	320±3			
ISC	**IV**	**15 07 51 13**±9.0	**45.0N**±.62	**142.2E**±.41	**310**±55		**17**	**1-6**
JMA	IV	15 07 51 14.5±.3	44.91N±.03	142.26E±.06	300			**¶97iv2580**
ISC	**IV**	**15 19 36 06**±1.8	**41.59N**±.079	**139.5E**±.18	**16**±26		**10**	**0-1**
JMA	IV	15 19 36 06.6±.2	41.59N±.01	139.47E±.02	16±3	2.8		**¶97iv2641**
ISC	**IV**	**16 19 48 51.6**±.44	**42.78N**±.032	**142.46E**±.053	**55**±16		**45**	**0-7**
JMA	IV	16 19 48 51.7±.1	42.77N±.01	142.44E±.01	49±2	3.5		**¶97iv2804**
ISC	**IV**	**17 02 37 49.0**±.76	**41.87N**±.066	**142.88E**±.093	**53**±20		**18**	**0-3**
JMA	IV	17 02 37 49.4±.2	41.92N±.01	142.82E±.02	52±3	2.8		**¶97iv2842**

ISC	**IV**	**17 02 40 24.2**±.88	**43.2N**±.19	**144.1E**±.20	**133**			**7**	**0-1**
JMA	IV	17 02 40 24.1±.5	43.12N±.03	144.06E±.03	133±4				¶97iv2843
ISC	**IV**	**17 03 58 11**±1.2	**42.9N**±.38	**143.7E**±.37	**121**			**6**	**0-2**
JMA	IV	17 03 58 11.4±.2	42.88N±.06	143.62E±.06	121				¶97iv2853
ISC	Poorly determined								
ISC	**IV**	**17 08 47 52.9**±.31	**41.95N**±.029	**142.32E**±.056	**73**±7.7	**3.4b**		**50**	**0-65**
EIDC	IV	17 08 47 23.0	38.2N	142.5E	0	3.6b			¶97iv2872
JMA	IV	17 08 47 53.2±.1	41.93N±.01	142.28E±.01	54±3	3.5			
NEIC	IV	17 08 47 53.3	41.93N	142.24E	85				
NEIC	Poor solution.								
ISC	**IV**	**17 10 07 09**±2.0	**42.93N**±.076	**139.3E**±.23	**33**			**19**	**1-4**
JMA	IV	17 10 07 08.9±.3	42.93N±.01	139.36E±.03	33±4	3.1			¶97iv2882
ISC	**IV**	**17 12 43 30.5**±.42	**42.94N**±.026	**145.33E**±.053	**64**±4.4	**4.1b**		**136**	**0-153**
MOS	IV	17 12 43 30.3	43.0N	145.4E	61	4.6b			¶97iv2899
NEIC	IV	17 12 43 30.5	43.02N	145.21E	65	4.3b			
BJI	IV	17 12 43 30.6	43.09N	145.36E	71	4.7b			
SKHL	IV	17 12 43 31.0	43.0N±.05	145.1E±.05	60				
EIDC	IV	17 12 43 31.4	43.1N	145.2E	55	3.8b			
JMA	IV	17 12 43 31.8±.2	43.05N±.01	145.24E±.02	55±3	4.3			
SKHL	K10 Felt I=II MSK at Yuzhno−Kurilsk								
ISC	**IV**	**17 16 46 18**±1.6	**42.62N**±.093	**142.0E**±.12	**112**±22			**26**	**0-4**
JMA	IV	17 16 46 19.0±.2	42.61N±.01	142.04E±.01	102±3				¶97iv2937
ISC	**IV**	**17 22 42 05**±4.1	**42.6N**±.19	**142.8E**±.14	**122**±43			**11**	**0-2**
JMA	IV	17 22 42 06.2±.3	42.59N±.02	142.88E±.02	108±3				¶97iv2982
ISC	**IV**	**17 23 26 29**±4.0	**41.86N**±.090	**139.0E**±.35	**15**±19			**11**	**0-2**
JMA	IV	17 23 26 30.8±.3	41.86N±.01	139.17E±.03	15±3	3.2			¶97iv2990
ISC	**IV**	**18 01 51 44.4**±.79	**42.76N**±.058	**144.63E**±.096	**58**±17			**34**	**0-6**
JMA	IV	18 01 51 44.9±.2	42.82N±.01	144.54E±.02	55±3	3.2			¶97iv3009
ISC	**IV**	**18 11 36 11**±1.5	**43.6N**±.22	**145.3E**±.26	**95**			**7**	**0-1**
JMA	IV	18 11 36 10.8±.4	43.57N±.02	145.38E±.02	95±3				¶97iv3066
ISC	Poorly determined								
ISC	**IV**	**18 11 42 12**±2.0	**42.1N**±.17	**143.2E**±.13	**71**±20			**12**	**0-2**
JMA	IV	18 11 42 12.5±.3	42.15N±.02	143.17E±.02	66±3				¶97iv3067
ISC	**IV**	**18 12 45 51**±1.1	**44.2N**±.20	**145.0E**±.31	**184**±18	2.7b		**10**	**1-56**
JMA	IV	18 12 45 54.0±.4	44.09N±.04	144.86E±.05	159				¶97iv3077
ISC	**IV**	**18 13 00 56.5**±.27	**41.57N**±.026	**142.10E**±.053	**73**±4.9	**3.8b**		**67**	**1-65**
JMA	IV	18 13 00 56.6±.1	41.56N±.01	142.07E±.01	62±3				¶97iv3081
NEIC	IV	18 13 00 59.3	41.53N	142.02E	104				
EIDC	IV	18 13 01 01.2	41.5N	142.1E	104	3.5b			
NEIC	Less reliable solution.								
ISC	**IV**	**18 13 58 39**±5.1	**41.39N**±.040	**143.51E**±.080	**7**±40			**36**	**1-4**
JMA	IV	18 13 58 40.6±.2	41.41N±.01	143.46E±.02	38±4	3.3			¶97iv3088
ISC	**IV**	**18 20 34 01**±6.0	**42.5N**±.27	**144.0E**±.25	**85**±58			**8**	**0-1**
JMA	IV	18 20 34 01.4±.3	42.54N±.02	144.03E±.02	82±3				¶97iv3117
ISC	**IV**	**19 04 34 54.4**±.95	**41.06N**±.084	**143.3E**±.16	**59**±60			**18**	**1-3**
JMA	IV	19 04 34 54.3±.1	41.07N±.01	143.24E±.02	60	2.7			¶97iv3154
ISC	**IV**	**19 12 04 32**±4.2	**42.5N**±.28	**144.4E**±.18	**70**±40			**9**	**1-1**
JMA	IV	19 12 04 32.5±.3	42.57N±.02	144.37E±.02	65±4				¶97iv3194
ISC	**IV**	**19 14 42 27**±4.2	**41.31N**±.038	**142.41E**±.077	**15**±34			**33**	**1-4**
JMA	IV	19 14 42 27.4±.1	41.31N±.01	142.36E±.01	36	2.8			¶97iv3209
ISC	**IV**	**19 19 52 51**±1.7	**43.31N**±.092	**144.5E**±.12	**118**±19			**26**	**0-5**
JMA	IV	19 19 52 52.1±.3	43.32N±.01	144.40E±.02	103±3				¶97iv3231
ISC	**IV**	**20 01 48 35**±1.5	**42.67N**±.065	**145.6E**±.18	**40**			**23**	**1-5**
JMA	IV	20 01 48 37.8±.3	42.84N±.02	145.41E±.02	40±3	3.1			¶97iv3261
ISC	**IV**	**20 07 12 00**±2.8	**43.8N**±.44	**145.6E**±.30	**127**			**6**	**0-2**
JMA	IV	20 07 12 00.1±.2	43.69N±.05	145.56E±.03	127				¶97iv3285
ISC	**IV**	**20 11 00 56**±1.1	**42.62N**±.065	**143.21E**±.085	**94**±16			**25**	**0-4**
JMA	IV	20 11 00 57.1±.2	42.67N±.01	143.18E±.01	81±3				¶97iv3300
ISC	**IV**	**20 14 03 45.6**±.95	**43.8N**±.17	**144.7E**±.19	**136**			**9**	**0-2**
JMA	IV	20 14 03 45.9±.4	43.71N±.02	144.65E±.02	136±4				¶97iv3324
ISC	**IV**	**20 17 51 10.6**±.32	**41.03N**±.025	**141.51E**±.065	**96**±7.2	**3.4b**		**56**	**0-65**
EIDC	IV	20 17 50 44.2	38.6N	141.1E	0	3.7b			¶97iv3344
JMA	IV	20 17 51 11.4±.1	41.03N±.00	141.44E±.01	83±2				
ISC	**IV**	**20 21 58 15**±1.2	**42.74N**±.074	**143.6E**±.12	**133**±16			**23**	**0-4**
JMA	IV	20 21 58 16.5±.4	42.78N±.02	143.59E±.02	112±4				¶97iv3365
ISC	**IV**	**21 08 35 02.2**±.36	**41.85N**±.031	**142.26E**±.053	**45**±24			**45**	**1-6**
JMA	IV	21 08 35 01.9±.0	41.85N±.01	142.24E±.01	50±3	3.6			¶97iv3431
ISC	**IV**	**21 20 43 30.5**±.42	**41.94N**±.034	**142.79E**±.061	**45**±17			**36**	**0-4**
JMA	IV	21 20 43 30.2±.2	41.94N±.01	142.75E±.02	49±3	3.1			¶97iv3574
ISC	**IV**	**21 20 57 17**±3.2	**42.37N**±.094	**139.2E**±.32	**24**±13			**11**	**0-2**
JMA	IV	21 20 57 17.2±.4	42.38N±.01	139.16E±.04	29±3	3.2			¶97iv3577
ISC	**IV**	**22 01 58 49.0**±.96	**41.85N**±.039	**142.26E**±.072	**30**±12			**32**	**1-3**
JMA	IV	22 01 58 48.8±.0	41.85N±.01	142.23E±.01	44±3	3.0			¶97iv3620
ISC	**IV**	**22 06 19 23.5**±.22	**42.12N**±.021	**141.99E**±.050	**95**±2.8	**4.5b**		**174**	**1-147**
MOS	IV	22 06 19 22.4	42.1N	142.2E	89	4.8b			¶97iv3656
NEIC	IV	22 06 19 24.0	42.20N	141.84E	96	4.7b			
SKHL	IV	22 06 19 24.0	42.1N±.10	142.1E±.21	92±1				
BJI	IV	22 06 19 24.1	42.15N	141.89E	107	4.6b			
JMA	IV	22 06 19 24.6±.1	42.17N±.01	141.87E±.01	80±2	4.4			
EIDC	IV	22 06 19 26.3	42.2N	141.8E	102	3.9b			
SKHL	K10								
ISC	**IV**	**22 12 16 40.7**±.92	**43.01N**±.039	**145.8E**±.11	**51**±9.1	**3.6b**		**64**	**0-84**
EIDC	IV	22 12 16 35.8	43.1N	145.7E	0	3.6b			¶97iv3726
NEIC	IV	22 12 16 40.8	43.04N	145.72E	52	3.2b			
JMA	IV	22 12 16 42.9±.3	43.15N±.02	145.53E±.03	49±3	3.9			
NEIC	Less reliable solution.								
ISC	**IV**	**23 02 26 26.1**±.53	**42.28N**±.035	**143.00E**±.064	**78**±12			**43**	**0-5**
JMA	IV	23 02 26 26.6±.2	42.33N±.01	142.94E±.01	72±2				¶97iv3878
ISC	**IV**	**23 07 28 43**±1.9	**43.3N**±.16	**145.9E**±.24	**86**			**12**	**0-3**
JMA	IV	23 07 28 43.7±.3	43.31N±.02	145.85E±.02	86±2				¶97iv3915
ISC	**IV**	**23 16 36 51**±4.3	**43.2N**±.11	**143.6E**±.17	**108**±46			**9**	**0-1**
JMA	IV	23 16 36 50.6±.2	43.17N±.01	143.58E±.01	107±3				¶97iv3994
ISC	**IV**	**23 20 49 10**±2.1	**43.04N**±.089	**144.0E**±.11	**131**±23			**19**	**0-2**
JMA	IV	23 20 49 10.9±.2	43.04N±.01	143.94E±.01	117±2				¶97iv4024
JMA	**IV**	**24 00 45 54.4**±.5	**41.27N**±.03	**142.35E**±.04	**34**	**2.9**			¶97iv4050
ISC	**IV**	**24 07 09 34.7**±.51	**41.51N**±.045	**142.10E**±.067	**24**			**21**	**1-3**
JMA	IV	24 07 09 34.3±.1	41.49N±.01	142.12E±.01	24	2.9			¶97iv4099
ISC	**IV**	**24 09 34 55**±1.1	**41.58N**±.057	**141.92E**±.091	**52**±45			**17**	**1-2**
JMA	IV	24 09 34 54.9±.1	41.56N±.01	141.92E±.01	60±4	2.6			¶97iv4116
ISC	**IV**	**24 10 24 34**±3.5	**42.8N**±.12	**143.6E**±.19	**120**±37			**10**	**0-2**
JMA	IV	24 10 24 34.4±.4	42.84N±.02	143.60E±.03	111±4				¶97iv4125
ISC	**IV**	**24 20 37 35**±2.7	**44.1N**±.18	**144.7E**±.36	**147**			**12**	**1-2**
JMA	IV	24 20 37 35.5±.3	44.07N±.03	144.72E±.04	147				¶97iv4205
ISC	**IV**	**24 22 22 15**±2.7	**42.7N**±.11	**143.2E**±.14	**102**±32			**12**	**0-2**
JMA	IV	24 22 22 15.1±.3	42.73N±.02	143.19E±.02	95±3				¶97iv4221
ISC	**IV**	**25 09 10 20**±1.0	**41.45N**±.036	**139.86E**±.091	**1**±8.4			**23**	**0-3**
JMA	IV	25 09 10 20.8±.1	41.46N±.00	139.89E±.01	10±2	3.3			¶97iv4313
ISC	**IV**	**25 18 57 29**±1.1	**41.78N**±.043	**140.9E**±.11	**131**±15			**33**	**0-4**
JMA	IV	25 18 57 30.5±.1	41.77N±.01	140.82E±.01	119±2				¶97iv4398
ISC	**IV**	**26 00 22 36**±3.7	**42.24N**±.088	**139.1E**±.34	**19**±14			**12**	**0-2**
JMA	IV	26 00 22 36.9±.3	42.20N±.01	139.16E±.03	26±2	3.1			¶97iv4435
ISC	**IV**	**26 04 44 27.4**±.61	**41.36N**±.022	**139.94E**±.043	**22**±5.2	**4.3b**,4.3s		**117**	**0-88**
JMA	IV	26 04 44 26.1±.1	41.31N±.00	140.02E±.01	11±3	4.0			¶97iv4466
MOS	IV	26 04 44 28.1	41.3N	139.9E	33	4.9b			
BJI	IV	26 04 44 28.2	41.30N	140.00E	33	4.3b,4.0s			
NEIC	IV	26 04 44 28.2	41.29N	139.96E	33	4.5b			
EIDC	IV	26 04 44 31.7	41.3N	140.0E	49	3.9b,4.3L			
ISC	**IV**	**26 09 00 53**±2.4	**42.8N**±.11	**144.0E**±.12	**106**±26			**15**	**0-2**
JMA	IV	26 09 00 53.7±.3	42.79N±.02	143.98E±.02	98±3				¶97iv4505
ISC	**IV**	**26 11 56 59**±1.2	**45.6N**±.17	**143.0E**±.30	**347**±13	2.6b		**23**	**2-56**
JMA	IV	26 11 57 03.0±.3	45.35N±.04	143.01E±.06	323				¶97iv4546
ISC	**IV**	**27 00 30 37**±1.5	**43.5N**±.17	**145.5E**±.21	**69**			**8**	**0-2**
JMA	IV	27 00 30 36.9±.3	43.44N±.01	145.53E±.02	69±3				¶97iv4632
JMA	**IV**	**27 09 49 46.5**±.3	**41.17N**±.03	**142.68E**±.04	**82**				¶97iv4702
ISC	**IV**	**27 13 33 55.4**±.59	**41.39N**±.036	**140.11E**±.096	**8**			**18**	**0-2**
JMA	IV	27 13 33 55.5±.1	41.38N±.00	140.12E±.01	8±3	2.9			¶97iv4730
ISC	**IV**	**27 13 37 36**±1.1	**42.8N**±.12	**143.5E**±.16	**128**±11	2.9b		**12**	**0-58**
JMA	IV	27 13 37 37.5±.3	42.83N±.02	143.51E±.02	111±3				¶97iv4731
ISC	**IV**	**27 13 40 54.7**±.85	**41.76N**±.043	**142.73E**±.073	**31**±9.9			**30**	**0-3**
JMA	IV	27 13 40 54.3±.1	41.75N±.01	142.70E±.01	42±3	2.9			¶97iv4733
ISC	**IV**	**27 14 39 46**±4.2	**42.8N**±.21	**144.2E**±.16	**107**±40			**9**	**0-1**
JMA	IV	27 14 39 47.5±.3	42.80N±.03	144.22E±.02	96±3				¶97iv4749
ISC	**IV**	**27 16 31 03**±1.7	**42.25N**±.069	**140.4E**±.15	**149**±18			**31**	**0-5**
JMA	IV	27 16 31 04.7±.2	42.24N±.01	140.46E±.01	133±2				¶97iv4758
ISC	**IV**	**27 18 03 07.7**±.59	**41.39N**±.034	**140.10E**±.086	**7**			**18**	**0-2**
JMA	IV	27 18 03 07.8±.1	41.37N±.00	140.11E±.01	7±2	2.8			¶97iv4771
ISC	**IV**	**27 21 49 13**±1.2	**42.50N**±.068	**143.6E**±.11	**110**±18			**21**	**0-4**
JMA	IV	27 21 49 14.7±.3	42.58N±.02	143.59E±.02	93±3				¶97iv4797
ISC	**IV**	**27 22 07 45**±3.5	**42.4N**±.16	**144.2E**±.25	**62**±39			**10**	**1-1**
JMA	IV	27 22 07 45.0±.4	42.46N±.02	144.23E±.03	61±5				¶97iv4798
ISC	**IV**	**28 01 24 59**±4.0	**42.3N**±.14	**139.3E**±.34	**11**±16			**8**	**0-2**
JMA	IV	28 01 24 59.5±.4	42.28N±.01	139.34E±.03	15±3	3.3			¶97iv4822
ISC	**IV**	**28 04 58 09**±5.6	**41.28N**±.071	**142.6E**±.13	**12**±47			**18**	**1-3**
JMA	IV	28 04 58 08.6±.1	41.24N±.01	142.59E±.02	19	2.8			¶97iv4852
ISC	**IV**	**28 10 47 36**±4.1	**43.0N**±.19	**145.4E**±.30	**89**±34			**9**	**0-2**
JMA	IV	28 10 47 36.7±.3	42.98N±.02	145.37E±.02	84±3				¶97iv4900
ISC	**IV**	**28 11 20 02**±1.1	**41.15N**±.083	**145.1E**±.16	**75**±63			**37**	**2-8**
JMA	IV	28 11 20 03.5±.2	41.20N±.01	144.95E±.03	64				¶97iv4906
ISC	**IV**	**28 21 46 45**±2.3	**43.6N**±.11	**140.1E**±.29	**6**			**8**	**0-1**
JMA	IV	28 21 46 45.9±.3	43.61N±.01	140.14E±.03	6±3	2.9			¶97iv4981
ISC	**IV**	**28 23 20 26**±1.7	**41.9N**±.13	**142.8E**±.14	**58**±23			**14**	**0-3**
JMA	IV	28 23 20 25.6±.2	41.92N±.01	142.78E±.01	63±2				¶97iv4991
ISC	**IV**	**29 07 44 43.3**±.39	**42.81N**±.039	**143.93E**±.084	**124**±4.6	**3.7b**		**48**	**0-85**
EIDC	IV	29 07 44 28.7	42.6N	143.7E	0	3.9b			¶97iv5038
NEIC	IV	29 07 44 33.5	42.93N	143.65E	33	4.0b			
JMA	IV	29 07 44 44.7±.2	42.86N±.01	143.92E±.01	109±2				
NEIC	Poor solution.								
ISC	**IV**	**29 20 47 51.9**±.18	**41.74N**±.020	**141.47E**±.041	**107**±2.4	**4.5b**		**202**	**0-153**
MOS	IV	29 20 47 49.6	41.7N	141.2E	93	4.8b			¶97iv5121
NEIC	IV	29 20 47 51.0	41.73N	141.34E	100	4.6b			
BJI	IV	29 20 47 51.3	41.43N	141.37E	118	4.5b			
JMA	IV	29 20 47 52.7±.1	41.75N±.01	141.42E±.01	97±2	4.0			
EIDC	IV	29 20 47 53.7	41.6N	141.3E	120	4.0b			
JMA	**IV**	**30 02 32 52.3**±.5	**42.28N**±.02	**139.32E**±.04	**14**	**2.8**			¶97iv5149
ISC	**IV**	**30 13 13 00.6**±.70	**42.05N**±.048	**142.81E**±.083	**26**±8.9			**21**	**0-3**
JMA	IV	30 13 13 00.1±.2	42.00N±.02	142.81E±.02	34±2	2.8			¶97iv5221
ISC	**IV**	**30 16 38 58**±1.8	**43.02N**±.089	**144.4E**±.13	**96**±20			**18**	**0-3**
JMA	IV	30 16 38 58.6±.2	43.03N±.01	144.40E±.02	90±3				¶97iv5233
ISC	**IV**	**30 23 38 48.7**±.80	**41.65N**±.041	**141.43E**±.088	**85**±16			**30**	**0-4**
JMA	IV	30 23 38 48.8±.1	41.66N±.01	141.38E±.01	85±2				¶97iv5285
ISC	**V**	**01 04 51 20.3**±.57	**41.75N**±.036	**142.18E**±.066	**94**±14			**42**	**1-6**
JMA	V	01 04 51 21.2±.1	41.76N±.01	142.12E±.01	79±3				¶97v0033
ISC	**V**	**02 02 39 38**±3.3	**43.1N**±.20	**141.8E**±.22	**185**±27			**18**	**0-4**
JMA	V	02 02 39 41.2±.5	42.95N±.03	141.91E±.03	153±4				¶97v0201
ISC	**V**	**02 09 20 52**±1.1	**42.9N**±.14	**144.0E**±.25	**94**			**8**	**0-1**
JMA	V	02 09 20 52.4±.4	42.92N±.02	143.99E±.03	94±4				¶97v0243
JMA	**V**	**02 12 06 57.6**±.6	**42.38N**±.02	**139.14E**±.05	**9**±5	**2.8**			¶97v0261
ISC	**V**	**02 14 47 28**±2.1	**44.1N**±.21	**145.8E**±.28	**161**			**11**	**1-3**
JMA	V	02 14 47 28.7±.4	44.05N±.03	145.76E±.03	161±3				¶97v0285
ISC	**V**	**02 17 59 48**±3.9	**41.99N**±.096	**139.1E**±.35	**17**±18			**10**	**0-2**
JMA	V	02 17 59 47.9±.3	41.98N±.01	139.15E±.03	20±3	3.1			¶97v0308
ISC	**V**	**02 18 11 57**±1.9	**43.7N**±.11	**145.0E**±.16	**158**±16			**41**	**0-8**
JMA	V	02 18 12 01.3±.2	43.66N±.01	144.72E±.02	122±2				¶97v0310
ISC	**V**	**03 08 43 00**±5.2	**45.9N**±.78	**145.2E**±.32	**449**			**15**	**2-5**
JMA	V	03 08 43 01.2±.5	45.72N±.08	145.27E±.07	449				¶97v0403
ISC	**V**	**03 12 00 44.5**±.88	**42.5N**±.20	**141.7E**±.15	**132**			**9**	**0-2**
JMA	V	03 12 00 44.5±.4	42.51N±.03	141.72E±.02	132±4				¶97v0432
ISC	**V**	**03 12 07 18**±1.2	**41.20N**±.050	**142.2E**±.10	**78**±35			**22**	**1-3**
JMA	V	03 12 07 18.1±.1	41.18N±.01	142.22E±.01	65±5				¶97v0433
ISC	**V**	**03 21 08 18.4**±.40	**43.17N**±.029	**145.40E**±.063	**121**±4.1	**4.2b**		**108**	**0-150**
NEIC	V	03 21 08 17.0	43.32N	145.18E	102	4.8b			¶97v0499
EIDC	V	03 21 08 18.6	43.3N	145.2E	101	3.9b			
MOS	V	03 21 08 19.8	43.3N	145.1E	128	4.7b			
SKHL	V	03 21 08 20.0	43.4N±.05	145.5E±.10	120±5				
JMA	V	03 21 08 20.1±.2	43.24N±.01	145.37E±.01	104±2	4.2			
SKHL	K10 Felt I=I−II MSK at Yuzhno−Kurilsk								
ISC	**V**	**04 04 13 28**±4.9	**41.2N**±.14	**139.1E**±.51	**18**			**8**	**1-2**
JMA	V	04 04 13 28.3±.3	41.21N±.01	139.17E±.03	18	2.9			¶97v0563
ISC	**V**	**04 11 00 52**±1.3	**44.09N**±.044	**141.07E**±.081	**9**±10			**25**	**0-3**
JMA	V	04 11 00 52.6±.1	44.08N±.00	141.04E±.01	11±2	3.5			¶97v0625
ISC	**V**	**04 15 48 54**±3.4	**45.1N**±.37	**142.4E**±.42	**299**			**18**	**1-7**
JMA	V	04 15 48 54.6±.4	44.92N±.04	142.30E±.07	299				¶97v0661
ISC	**V**	**04 18 40 59**±3.6	**41.8N**±.12	**139.2E**±.33	**10**±20			**9**	**0-2**
JMA	V	04 18 41 00.2±.4	41.86N±.01	139.23E±.04	15±4	2.8			¶97v0676
ISC	**V**	**04 19 00 39.0**±.72	**41.35N**±.042	**142.16E**±.084	**62**±31			**29**	**1-3**
JMA	V	04 19 00 39.1±.1	41.33N±.01	142.12E±.01	57	3.0			¶97v0679
ISC	**V**	**05 00 51 09.3**±.96	**41.32N**±.040	**140.02E**±.091	**1**±10			**19**	**0-2**
JMA	V	05 00 51 10.1±.1	41.32N±.00	140.03E±.01	10±2	3.0			¶97v0716
ISC	**V**	**05 01 26 29**±1.1	**41.35N**±.075	**142.8E**±.20	**25**			**14**	**1-2**
JMA	V	05 01 26 28.5±.2	41.29N±.01	142.73E±.02	25	2.8			¶97v0722
ISC	**V**	**05 01 47 32**±1.3	**41.32N**±.056	**140.0E**±.13	**7**±17			**8**	**0-1**
JMA	V	05 01 47 32.9±.0	41.32N±.00	140.04E±.01	11±2	2.8			¶97v0724
ISC	**V**	**05 01 48 42.2**±.28	**41.32N**±.021	**139.99E**±.031	**35**±3.4	**4.7b,4.2s**		**264**	**0-157**
BJI	V	05 01 48 35.4	41.42N	140.79E	33	4.5b,4.5s			¶97v0725
JMA	V	05 01 48 39.4±.1	41.32N±.00	140.02E±.01	10±3	4.4			
MOS	V	05 01 48 41.7	41.5N	139.8E	33	5.1b,4.2s			
NEIC	V	05 01 48 41.7	41.32N	139.99E	33	4.9b			
EIDC	V	05 01 48 45.2	41.2N	140.1E	52	4.3b,4.2L			
SKHL	V	05 01 49 01.0	42.5N±.15	139.8E±.10	110±20				
SKHL	K10.5								

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**05 02 09 05**±1.2	**41.34N**±.056	**140.0E**±.11	**5**±12		**14**	**0-2**
JMA	V	05 02 09 05.4±.1	41.34N±.00	140.04E±.01	8±2	3.0		**¶97v0728**
ISC	**V**	**05 05 52 26**±5.2	**42.3N**±.11	**139.1E**±.52	**24**		**7**	**0-1**
JMA	V	05 05 52 26.8±.5	42.29N±.02	139.21E±.05	24±5	2.9		**¶97v0747**
ISC	**V**	**05 13 06 09**±3.2	**43.0N**±.16	**143.8E**±.20	**95**±34		**9**	**0-1**
JMA	V	05 13 06 08.8±.2	42.98N±.01	143.80E±.01	90±2			**¶97v0785**
ISC	**V**	**05 13 41 21**±2.2	**42.7N**±.10	**141.6E**±.17	**154**±23		**25**	**0-4**
JMA	V	05 13 41 22.4±.2	42.69N±.01	141.62E±.02	138±2			**¶97v0790**
ISC	**V**	**05 14 55 17**±4.6	**43.0N**±.17	**143.4E**±.26	**90**±48		**7**	**0-1**
JMA	V	05 14 55 16.8±.2	42.96N±.02	143.34E±.02	89±2			**¶97v0799**
ISC	**V**	**05 17 38 02**±4.9	**43.9N**±.26	**143.1E**±.23	**225**±39		**27**	**0-6**
JMA	V	05 17 38 06.0±.3	43.78N±.02	143.02E±.02	190±3			**¶97v0825**
ISC	**V**	**05 19 02 20**±2.9	**43.1N**±.10	**144.0E**±.13	**128**±30		**15**	**0-1**
JMA	V	05 19 02 20.4±.3	43.06N±.01	144.00E±.02	120±3			**¶97v0834**
ISC	**V**	**05 21 06 31**±3.7	**43.1N**±.12	**143.6E**±.21	**100**±37		**8**	**0-1**
JMA	V	05 21 06 31.9±.2	43.09N±.01	143.61E±.01	95±2			**¶97v0847**
ISC	**V**	**05 22 15 26**±3.3	**44.3N**±.36	**143.0E**±.39	**236**		**11**	**1-4**
JMA	V	05 22 15 25.6±.5	44.24N±.05	143.08E±.05	236			**¶97v0856**
ISC	**V**	**06 15 07 56**±2.1	**42.5N**±.11	**142.66E**±.096	**121**±24		**17**	**0-2**
JMA	V	06 15 07 57.8±.2	42.52N±.02	142.63E±.01	103±3			**¶97v0977**
ISC	**V**	**06 23 13 44**±3.0	**41.96N**±.077	**139.2E**±.26	**13**±12		**11**	**0-2**
JMA	V	06 23 13 44.2±.4	41.98N±.01	139.23E±.03	17±3	3.1		**¶97v1027**
ISC	**V**	**07 15 54 48**±4.1	**42.6N**±.18	**142.9E**±.20	**89**±39		**11**	**0-2**
JMA	V	07 15 54 48.1±.5	42.58N±.02	142.84E±.03	81±4			**¶97v1119**
ISC	**V**	**07 18 44 04**±1.8	**42.84N**±.086	**144.3E**±.12	**96**±20		**20**	**0-3**
JMA	V	07 18 44 05.1±.2	42.84N±.01	144.27E±.02	84±3			**¶97v1133**
ISC	**V**	**07 21 14 26.7**±.84	**43.7N**±.14	**144.7E**±.15	**123**		**10**	**0-2**
JMA	V	07 21 14 26.6±.3	43.67N±.01	144.74E±.02	123±3			**¶97v1147**
ISC	**V**	**08 05 35 39**±1.2	**41.57N**±.046	**142.76E**±.078	**22**±15		**28**	**1-3**
JMA	V	08 05 35 38.9±.2	41.55N±.01	142.71E±.01	26±4	3.0		**¶97v1184**
ISC	**V**	**08 10 23 32.3**±.55	**42.19N**±.037	**142.89E**±.067	**72**±13		**33**	**0-4**
JMA	V	08 10 23 32.7±.2	42.22N±.01	142.84E±.01	67±2			**¶97v1223**
ISC	**V**	**08 19 21 03.6**±.96	**42.15N**±.043	**141.16E**±.086	**125**±14		**37**	**0-4**
JMA	V	08 19 21 04.6±.1	42.19N±.01	141.13E±.01	112±2			**¶97v1300**
ISC	**V**	**08 22 12 39**±1.4	**41.51N**±.043	**142.45E**±.081	**4**±13		**22**	**1-3**
JMA	V	08 22 12 40.4±.2	41.50N±.01	142.46E±.01	21±4	2.8		**¶97v1318**
ISC	**V**	**09 03 00 11**±4.3	**42.8N**±.16	**143.4E**±.29	**102**±43		**8**	**0-1**
JMA	V	09 03 00 10.8±.3	42.76N±.02	143.44E±.02	105±3			**¶97v1350**
ISC	**V**	**09 04 58 11**±3.3	**42.9N**±.12	**143.7E**±.28	**87**±35		**10**	**0-2**
JMA	V	09 04 58 11.2±.2	42.87N±.01	143.75E±.02	83±2			**¶97v1363**
ISC	**V**	**09 09 00 31**±3.0	**44.7N**±.18	**141.2E**±.20	**292**±25		**40**	**0-8**
JMA	V	09 09 00 35.3±.4	44.58N±.02	141.25E±.04	254±4			**¶97v1394**
ISC	**V**	**09 13 04 14.7**±.52	**42.17N**±.046	**142.64E**±.064	**47**±15		**27**	**0-3**
JMA	V	09 13 04 14.2±.1	42.16N±.01	142.63E±.01	52±2	3.1		**¶97v1426**
ISC	**V**	**09 14 09 23.1**±.62	**42.90N**±.047	**143.44E**±.085	**123**±8.9	3.2b	**34**	**0-58**
JMA	V	09 14 09 25.7±.2	42.92N±.01	143.36E±.01	91±3			**¶97v1433**
ISC	**V**	**09 19 31 09**±4.9	**43.4N**±.15	**145.1E**±.24	**90**±47		**8**	**0-1**
JMA	V	09 19 31 09.7±.2	43.35N±.01	145.06E±.01	86±2			**¶97v1475**
JMA	**V**	**10 02 36 20.4**±.5	**42.61N**±.03	**145.67E**±.03	**62**			**¶97v1515**
ISC	**V**	**10 20 47 32**±2.2	**42.84N**±.079	**142.02E**±.096	**155**±26		**22**	**0-3**
JMA	V	10 20 47 33.3±.2	42.83N±.01	142.02E±.02	142±3			**¶97v1663**
ISC	**V**	**10 23 53 59**±1.2	**42.60N**±.069	**144.4E**±.11	**102**±18		**29**	**0-5**
JMA	V	10 23 54 01.0±.2	42.67N±.01	144.27E±.02	86±3			**¶97v1687**
ISC	**V**	**11 01 00 16**±1.2	**43.5N**±.21	**144.9E**±.23	**141**		**8**	**0-1**
JMA	V	11 01 00 16.5±.5	43.50N±.03	144.84E±.03	141±4			**¶97v1695**
ISC	**V**	**11 02 27 06**±3.0	**42.5N**±.15	**143.0E**±.14	**89**±33		**13**	**0-2**
JMA	V	11 02 27 06.7±.2	42.57N±.01	142.94E±.01	80±3			**¶97v1704**
ISC	**V**	**11 02 55 45**±1.7	**43.24N**±.071	**144.3E**±.12	**100**±19		**20**	**0-3**
JMA	V	11 02 55 45.5±.2	43.23N±.01	144.29E±.01	94±3			**¶97v1710**
ISC	**V**	**11 04 59 22**±1.4	**43.4N**±.33	**144.3E**±.35	**116**		**7**	**0-1**
JMA	V	11 04 59 21.9±.6	43.45N±.03	144.27E±.03	116±5			**¶97v1729**
ISC	**V**	**11 05 00 14**±1.0	**43.6N**±.19	**145.1E**±.21	**125**		**8**	**0-2**
JMA	V	11 05 00 14.2±.3	43.54N±.02	145.11E±.02	125±3			**¶97v1730**
ISC	**V**	**11 08 25 28.3**±.82	**41.19N**±.034	**140.90E**±.079	**4**±8.6		**24**	**0-3**
JMA	V	11 08 25 28.8±.1	41.19N±.00	140.95E±.01	11±3	3.2		**¶97v1758**
ISC	**V**	**11 19 04 00**±1.7	**42.00N**±.094	**141.9E**±.12	**73**±30		**14**	**1-2**
JMA	V	11 19 03 59.8±.2	42.00N±.01	141.86E±.01	77±3			**¶97v1828**
ISC	**V**	**11 21 21 28**±5.1	**43.0N**±.18	**145.2E**±.26	**86**±51		**8**	**0-1**
JMA	V	11 21 21 28.5±.2	42.98N±.01	145.22E±.02	85±3			**¶97v1844**
ISC	**V**	**12 04 45 19.2**±.64	**42.34N**±.066	**142.90E**±.073	**24**±8.3		**17**	**0-2**
JMA	V	12 04 45 18.9±.2	42.32N±.02	142.87E±.02	31±3	3.0		**¶97v1896**
ISC	**V**	**12 10 18 40**±1.7	**42.70N**±.075	**142.15E**±.083	**99**±24		**18**	**1-2**
JMA	V	12 10 18 40.0±.2	42.69N±.01	142.15E±.01	99±3			**¶97v1939**
ISC	**V**	**12 16 08 23.6**±.49	**41.99N**±.036	**143.43E**±.074	**59**±14		**44**	**0-5**
JMA	V	12 16 08 24.1±.3	42.04N±.02	143.34E±.02	59±3	3.2		**¶97v2002**
ISC	**V**	**12 18 50 12**±3.1	**43.0N**±.39	**142.9E**±.30	**128**		**5**	**1-1**
JMA	V	12 18 50 11.9±.6	42.97N±.07	142.85E±.05	128			**¶97v2025**
ISC	**V**	**13 01 34 21**±3.2	**41.15N**±.095	**139.0E**±.41	**27**		**8**	**1-2**
JMA	V	13 01 34 21.8±.4	41.16N±.01	139.12E±.04	27	2.9		**¶97v2103**
ISC	**V**	**13 09 28 07**±1.1	**41.52N**±.045	**141.4E**±.11	**103**±18		**28**	**0-4**
JMA	V	13 09 28 07.4±.1	41.50N±.01	141.38E±.01	95±2			**¶97v2214**
ISC	**V**	**13 18 23 35**±3.5	**44.0N**±.22	**144.5E**±.19	**189**±26		**22**	**0-6**
JMA	V	13 18 23 39.1±.4	43.91N±.02	144.38E±.02	156±4			**¶97v2291**
ISC	**V**	**13 19 44 54**±2.1	**41.99N**±.081	**139.4E**±.22	**19**±10		**10**	**0-2**
JMA	V	13 19 44 54.4±.2	42.00N±.01	139.38E±.02	21±2	2.8		**¶97v2310**
ISC	**V**	**13 20 57 17**±2.0	**43.73N**±.096	**144.7E**±.17	**183**±16		**32**	**0-7**
JMA	V	13 20 57 19.8±.3	43.73N±.02	144.61E±.02	158±3			**¶97v2326**
ISC	**V**	**14 03 16 03**±5.3	**42.4N**±.27	**143.8E**±.24	**80**±54		**8**	**0-1**
JMA	V	14 03 16 03.3±.3	42.45N±.02	143.80E±.02	79±3			**¶97v2379**
ISC	**V**	**14 17 30 03**±4.1	**43.3N**±.14	**142.4E**±.16	**169**±39		**15**	**0-2**
JMA	V	14 17 30 04.1±.4	43.22N±.02	142.45E±.02	156±4			**¶97v2494**
ISC	**V**	**14 21 35 29**±3.7	**42.8N**±.13	**143.5E**±.17	**111**±40		**10**	**0-2**
JMA	V	14 21 35 29.4±.3	42.76N±.02	143.52E±.02	105±4			**¶97v2509**
ISC	**V**	**15 02 20 56.8**±.35	**42.55N**±.036	**141.41E**±.072	**120**		**42**	**0-5**
JMA	V	15 02 20 57.1±.1	42.62N±.01	141.36E±.01	120±2			**¶97v2546**
ISC	**V**	**15 03 03 15**±2.0	**43.29N**±.099	**145.4E**±.17	**107**±19		**35**	**0-6**
JMA	V	15 03 03 18.2±.2	43.35N±.01	145.07E±.02	78±2			**¶97v2550**
ISC	**V**	**15 04 20 32**±9.3	**42.8N**±.34	**146.0E**±.89	**26**		**7**	**1-3**
JMA	V	15 04 20 26.7±.7	42.60N±.02	146.40E±.06	26	3.0		**¶97v2561**
ISC	**V**	**15 08 43 11.5**±.87	**41.42N**±.042	**142.19E**±.072	**21**±11		**28**	**1-3**
JMA	V	15 08 43 12.0±.1	41.40N±.01	142.16E±.01	39	3.1		**¶97v2584**
ISC	**V**	**16 02 52 12**±6.0	**42.3N**±.19	**139.2E**±.63	**25**±34		**6**	**0-1**
JMA	V	16 02 52 13.0±.5	42.29N±.02	139.22E±.05	25±4	3.0		**¶97v2714**
ISC	Poorly determined							
ISC	**V**	**16 04 12 10**±1.2	**41.61N**±.039	**142.72E**±.077	**21**±14		**33**	**1-5**
JMA	V	16 04 12 09.3±.1	41.58N±.01	142.70E±.01	30±3	3.0		**¶97v2724**
JMA	**V**	**16 11 23 51.9**±.6	**43.17N**±.07	**142.24E**±.04	**165**			**¶97v2765**
ISC	**V**	**16 15 00 50.1**±.55	**41.61N**±.038	**143.60E**±.090	**44**		**33**	**1-5**
JMA	V	16 15 00 50.1±.2	41.65N±.02	143.53E±.02	44±4	3.1		**¶97v2793**
ISC	**V**	**16 19 24 10.4**±.43	**41.27N**±.038	**142.56E**±.075	**18**		**28**	**1-4**
JMA	V	16 19 24 09.9±.1	41.26N±.01	142.55E±.02	18	2.9		**¶97v2830**
ISC	**V**	**17 00 58 26**±1.4	**42.62N**±.071	**142.53E**±.092	**121**±19		**24**	**0-4**
JMA	V	17 00 58 28.0±.2	42.65N±.01	142.52E±.01	94±3			**¶97v2860**
ISC	**V**	**17 13 11 15**±9.0	**45.2N**±.66	**142.8E**±.24	**332**±52		**27**	**2-7**
JMA	V	17 13 11 12.0±.3	45.41N±.03	142.78E±.05	351±4			**¶97v2934**
ISC	**V**	**17 14 44 21**±1.6	**41.39N**±.050	**139.2E**±.17	**18**±14		**20**	**1-3**
JMA	V	17 14 44 21.4±.2	41.38N±.01	139.21E±.02	26±3	3.2		**¶97v2942**
JMA	**V**	**17 20 38 30.1**±.2	**42.77N**±.02	**145.80E**±.01	**62**±3			**¶97v2983**
ISC	**V**	**18 00 26 12**±2.5	**41.5N**±.15	**141.8E**±.15	**64**±47		**9**	**1-2**
JMA	V	18 00 26 11.7±.2	41.44N±.01	141.78E±.01	65±3			**¶97v3003**
ISC	**V**	**18 00 47 26**±2.4	**42.5N**±.23	**139.9E**±.34	**175**		**15**	**0-5**
JMA	V	18 00 47 26.7±.2	42.21N±.02	139.88E±.04	175			**¶97v3004**
ISC	**V**	**18 04 50 20.8**±.95	**41.33N**±.041	**140.04E**±.092	**2**±10		**19**	**0-2**
JMA	V	18 04 50 21.5±.1	41.32N±.00	140.05E±.01	10±2	3.0		**¶97v3025**
ISC	**V**	**18 13 05 01.2**±.90	**41.87N**±.050	**141.8E**±.10	**70**±22		**24**	**1-3**
JMA	V	18 13 05 01.3±.1	41.85N±.01	141.80E±.01	69±3			**¶97v3085**
ISC	**V**	**18 14 08 37**±3.7	**43.8N**±.21	**143.4E**±.22	**191**±30		**21**	**0-5**
JMA	V	18 14 08 40.7±.5	43.68N±.02	143.39E±.03	159±5			**¶97v3098**
ISC	**V**	**19 08 34 07**±2.1	**41.24N**±.068	**142.0E**±.14	**72**±55		**12**	**1-2**
JMA	V	19 08 34 06.9±.1	41.22N±.01	142.00E±.03	70			**¶97v3224**
ISC	**V**	**20 00 32 49**±1.6	**43.3N**±.20	**145.3E**±.25	**66**		**6**	**0-2**
JMA	V	20 00 32 49.2±.5	43.27N±.02	145.30E±.02	66±5			**¶97v3328**
ISC	Poorly determined							
ISC	**V**	**20 02 52 23**±4.0	**43.2N**±.14	**144.4E**±.17	**132**±40		**10**	**0-2**
JMA	V	20 02 52 23.3±.3	43.20N±.02	144.34E±.02	124±3			**¶97v3344**
ISC	**V**	**20 19 25 34**±3.1	**42.6N**±.17	**143.6E**±.15	**73**±31		**10**	**0-2**
JMA	V	20 19 25 34.1±.2	42.62N±.01	143.56E±.01	70±2			**¶97v3448**
ISC	**V**	**21 00 08 30.8**±.52	**42.13N**±.051	**142.40E**±.081	**33**±24		**21**	**0-3**
JMA	V	21 00 08 30.3±.1	42.12N±.01	142.40E±.01	45±2	3.1		**¶97v3481**
ISC	**V**	**21 01 03 23.9**±.44	**42.89N**±.056	**143.58E**±.087	**121**		**25**	**0-4**
JMA	V	21 01 03 24.2±.2	42.95N±.01	143.57E±.02	121±3			**¶97v3488**
ISC	**V**	**21 03 02 16**±4.5	**43.8N**±.34	**143.2E**±.23	**176**±45		**10**	**1-3**
JMA	V	21 03 02 16.7±.4	43.71N±.04	143.25E±.03	171±4			**¶97v3500**
ISC	**V**	**21 14 54 49**±2.6	**42.4N**±.13	**142.7E**±.10	**131**±28		**17**	**0-2**
JMA	V	21 14 54 51.3±.3	42.41N±.02	142.73E±.02	109±3			**¶97v3572**
ISC	**V**	**21 15 16 48**±1.8	**41.93N**±.077	**139.4E**±.18	**15**±13		**11**	**0-2**
JMA	V	21 15 16 47.6±.2	41.93N±.01	139.41E±.02	16±2	3.1		**¶97v3573**
ISC	**V**	**21 23 58 24.5**±.48	**42.31N**±.058	**141.14E**±.081	**123**		**25**	**0-4**
JMA	V	21 23 58 24.7±.2	42.33N±.01	141.09E±.01	123±2			**¶97v3632**
ISC	**V**	**22 05 37 56.6**±.97	**42.7N**±.20	**141.9E**±.19	**136**		**8**	**1-1**
JMA	V	22 05 37 56.8±.5	42.70N±.03	141.97E±.03	136±5			**¶97v3714**
ISC	**V**	**22 07 45 31**±2.8	**42.6N**±.13	**143.1E**±.23	**76**±32		**10**	**0-2**
JMA	V	22 07 45 31.6±.3	42.63N±.02	143.02E±.02	69±4			**¶97v3731**
ISC	**V**	**22 09 30 48**±7.4	**42.5N**±.34	**142.9E**±.40	**108**±64		**8**	**0-2**
JMA	V	22 09 30 48.3±.2	42.55N±.02	142.86E±.02	105±2			**¶97v3749**
ISC	**V**	**22 16 17 10**±4.6	**42.21N**±.095	**139.1E**±.33	**7**±18		**10**	**0-2**
JMA	V	22 16 17 10.7±.4	42.18N±.02	139.16E±.04	14±3	2.8		**¶97v3796**
ISC	**V**	**23 04 32 38.6**±.94	**42.69N**±.057	**144.9E**±.11	**62**±20		**30**	**0-6**
JMA	V	23 04 32 40.3±.2	42.81N±.02	144.72E±.02	52±3	3.5		**¶97v3885**
ISC	**V**	**23 07 06 26**±1.9	**43.4N**±.19	**145.7E**±.26	**101**		**9**	**0-2**
JMA	V	23 07 06 25.7±.3	43.40N±.02	145.72E±.03	101±3			**¶97v3905**
ISC	**V**	**23 11 07 25**±1.1	**43.4N**±.12	**145.2E**±.16	**85**		**9**	**0-2**
JMA	V	23 11 07 24.7±.1	43.40N±.01	145.23E±.01	85±1			**¶97v3944**
ISC	**V**	**23 11 10 07**±2.9	**43.0N**±.14	**144.3E**±.16	**124**±30		**11**	**0-1**
JMA	V	23 11 10 07.8±.3	43.00N±.02	144.27E±.02	113±3			**¶97v3945**
ISC	**V**	**23 16 48 46**±4.8	**43.2N**±.10	**142.4E**±.17	**118**±50		**14**	**0-2**
JMA	V	23 16 48 45.1±.4	43.17N±.02	142.42E±.02	127±4			**¶97v3972**
ISC	**V**	**23 20 40 40**±5.3	**42.8N**±.21	**143.3E**±.53	**100**±56		**8**	**0-1**
JMA	V	23 20 40 39.8±.4	42.76N±.02	143.39E±.04	104±4			**¶97v4003**
ISC	**V**	**23 21 26 18.2**±.79	**41.39N**±.039	**141.78E**±.085	**69**±23		**27**	**1-4**
JMA	V	23 21 26 18.3±.1	41.38N±.01	141.77E±.01	67±3			**¶97v4008**
ISC	**V**	**23 21 41 48.9**±.47	**42.14N**±.033	**142.92E**±.061	**62**±12		**40**	**0-5**
JMA	V	23 21 41 49.0±.1	42.18N±.01	142.89E±.01	60±2	3.3		**¶97v4009**
ISC	**V**	**24 00 27 20**±2.3	**44.2N**±.26	**144.9E**±.22	**151**		**8**	**1-3**
JMA	V	24 00 27 19.9±.3	44.16N±.04	144.92E±.04	151			**¶97v4026**
ISC	**V**	**24 00 51 16**±2.1	**44.0N**±.33	**145.2E**±.29	**166**		**6**	**1-2**
JMA	V	24 00 51 16.0±.4	43.90N±.07	145.15E±.06	166			**¶97v4028**
ISC	**V**	**24 04 09 25**±1.2	**43.3N**±.15	**145.2E**±.19	**107**		**9**	**0-2**
JMA	V	24 04 09 25.1±.4	43.24N±.02	145.21E±.03	107±3			**¶97v4046**
ISC	**V**	**24 06 47 50**±3.1	**42.6N**±.11	**142.0E**±.13	**150**±36		**15**	**0-2**
JMA	V	24 06 47 51.8±.5	42.57N±.02	141.99E±.03	134±5			**¶97v4067**
ISC	**V**	**24 07 28 44.8**±.76	**43.3N**±.16	**144.1E**±.19	**137**		**9**	**0-1**
JMA	V	24 07 28 44.9±.5	43.24N±.03	144.13E±.03	137±4			**¶97v4074**
ISC	**V**	**24 08 29 52.7**±.30	**42.15N**±.027	**142.79E**±.054	**57**±6.4	**3.4b**	**62**	**0-86**
NEIC	V	24 08 29 50.9	41.93N	143.34E	33			**¶97v4085**
JMA	V	24 08 29 52.4±.1	42.13N±.01	142.75E±.01	53±2	3.9		
EIDC	V	24 08 29 55.6	41.9N	143.2E	61	3.2b,3.7L		
NEIC	Less reliable solution.							
ISC	**V**	**24 10 06 22.1**±.86	**41.66N**±.032	**140.76E**±.061	**4**±8.4		**25**	**0-3**
JMA	V	24 10 06 22.4±.0	41.67N±.00	140.79E±.01	13±2	2.8		**¶97v4096**
ISC	**V**	**24 13 17 31.7**±.89	**43.3N**±.14	**142.8E**±.23	**130**		**9**	**0-1**
JMA	V	24 13 17 31.6±.5	43.33N±.02	142.83E±.02	130±5			**¶97v4114**
ISC	**V**	**24 16 11 08**±1.9	**43.04N**±.093	**144.2E**±.12	**100**±21		**14**	**0-3**
JMA	V	24 16 11 08.1±.3	43.05N±.02	144.28E±.02	96±3			**¶97v4135**
ISC	**V**	**25 00 16 20**±1.9	**41.3N**±.14	**144.0E**±.16	**62**		**19**	**1-3**
JMA	V	25 00 16 19.7±.2	41.33N±.02	143.96E±.02	62			**¶97v4188**
JMA	**V**	**25 06 01 28.4**±.2	**43.23N**±.07	**144.47E**±.04	**124**			**¶97v4226**
ISC	**V**	**25 06 17 25**±3.5	**42.8N**±.12	**142.6E**±.21	**74**±39		**11**	**0-2**
JMA	V	25 06 17 23.9±.4	42.77N±.02	142.55E±.02	88±4			**¶97v4228**
ISC	**V**	**25 07 52 36**±1.7	**41.56N**±.045	**142.97E**±.096	**14**±14		**30**	**0-3**
JMA	V	25 07 52 36.7±.1	41.55N±.01	142.92E±.01	25±2	3.1		**¶97v4237**
ISC	**V**	**25 12 03 14.6**±.81	**43.4N**±.10	**144.9E**±.12	**93**		**15**	**0-3**
JMA	V	25 12 03 14.6±.2	43.43N±.01	144.89E±.01	93±2			**¶97v4266**
ISC	**V**	**25 12 22 38**±1.1	**42.7N**±.10	**143.0E**±.12	**114**±11	3.3b	**14**	**0-58**
JMA	V	25 12 22 38.6±.3	42.73N±.01	143.04E±.01	106±3			**¶97v4269**
ISC	**V**	**25 13 42 09**±1.4	**42.7N**±.21	**141.7E**±.19	**145**		**12**	**0-3**
JMA	V	25 13 42 09.5±.5	42.71N±.03	141.66E±.03	145±4			**¶97v4281**
ISC	**V**	**25 21 48 10**±2.2	**42.6N**±.16	**141.3E**±.28	**149**		**12**	**0-3**
JMA	V	25 21 48 10.2±.5	42.60N±.03	141.22E±.04	149±4			**¶97v4322**
ISC	**V**	**26 11 57 33**±1.4	**42.46N**±.071	**142.29E**±.073	**104**±20		**22**	**0-3**
JMA	V	26 11 57 33.7±.1	42.46N±.01	142.28E±.01	92±2			**¶97v4408**
ISC	**V**	**26 13 03 06.3**±.93	**43.74N**±.055	**145.19E**±.094	**9**		**19**	**0-4**
JMA	V	26 13 03 06.1±.1	43.79N±.01	145.17E±.01	9±2	3.0		**¶97v4417**
ISC	**V**	**26 13 04 44**±1.2	**43.4N**±.17	**145.3E**±.19	**85**		**8**	**0-2**
JMA	V	26 13 04 44.0±.2	43.43N±.01	145.27E±.01	85±2			**¶97v4418**
ISC	**V**	**26 15 56 55**±3.7	**41.9N**±.12	**141.3E**±.20	**142**±39		**15**	**0-4**
JMA	V	26 15 56 56.6±.2	41.88N±.01	141.40E±.01	124±2			**¶97v4436**
ISC	**V**	**26 16 03 18.9**±.42	**41.62N**±.037	**142.59E**±.064	**36**		**34**	**1-3**
JMA	V	26 16 03 18.2±.1	41.60N±.01	142.56E±.01	36±3	2.9		**¶97v4438**

ISC	**V**	**26 23 43 20**±6.7	**42.1N**±.12	**139.3E**±.64	**11**±10			**8**	**0-2**
JMA	V	26 23 43 20.6±.6	42.09N±.02	139.32E±.05	12	2.8		**¶97v4489**	
ISC	**V**	**27 01 50 02**±2.8	**43.8N**±.59	**145.5E**±.38	**144**			**7**	**0-3**
JMA	V	27 01 50 02.7±.3	43.69N±.04	145.46E±.03	144±3			**¶97v4498**	
ISC	**V**	**27 11 16 03**±2.6	**42.9N**±.11	**143.5E**±.16	**124**±28			**11**	**0-2**
JMA	V	27 11 16 03.7±.3	42.85N±.02	143.45E±.02	113±3			**¶97v4560**	
ISC	**V**	**27 20 20 26.1**±.95	**42.72N**±.050	**144.9E**±.10	**79**±21			**53**	**0-8**
JMA	V	27 20 20 28.0±.2	42.81N±.01	144.75E±.02	61±2	3.7		**¶97v4606**	
ISC	**V**	**28 03 17 03**±5.4	**42.6N**±.61	**144.2E**±.25	**65**			**5**	**0-1**
JMA	V	28 03 17 03.6±.3	42.61N±.03	144.21E±.02	65±3			**¶97v4650**	
ISC	Poorly determined								
ISC	**V**	**28 05 03 54**±1.8	**42.04N**±.039	**142.47E**±.068	**13**±16			**25**	**1-3**
JMA	V	28 05 03 53.9±.1	42.05N±.01	142.47E±.01	22±3	2.9		**¶97v4659**	
ISC	**V**	**28 05 20 04**±1.4	**41.75N**±.046	**143.78E**±.090	**15**±14			**34**	**1-5**
JMA	V	28 05 20 04.7±.4	41.79N±.02	143.71E±.02	29±3	3.4		**¶97v4661**	
ISC	**V**	**28 07 02 52**±1.6	**43.1N**±.56	**143.9E**±.57	**137**			**8**	**0-1**
JMA	V	28 07 02 51.9±.1	43.13N±.04	143.89E±.04	137			**¶97v4673**	
ISC	**V**	**28 07 25 17**±9.5	**42.2N**±.15	**139.1E**±.84	**12**			**8**	**0-2**
JMA	V	28 07 25 18.1±.4	42.21N±.01	139.18E±.03	12±2	3.0		**¶97v4675**	
ISC	**V**	**28 08 02 04.1**±.45	**41.56N**±.035	**142.70E**±.081	**32**			**33**	**1-5**
JMA	V	28 08 02 03.0±.2	41.53N±.01	142.71E±.01	32±4	3.2		**¶97v4680**	
ISC	**V**	**28 18 20 32**±1.5	**41.87N**±.059	**141.6E**±.11	**114**±22			**28**	**0-3**
JMA	V	28 18 20 32.3±.1	41.88N±.01	141.59E±.01	114±2			**¶97v4757**	
ISC	**V**	**28 20 12 19**±4.3	**42.7N**±.15	**139.1E**±.36	**20**±17			**10**	**1-2**
JMA	V	28 20 12 20.3±.3	42.67N±.01	139.24E±.03	29±3	2.8		**¶97v4771**	
ISC	**V**	**29 01 33 31**±3.4	**43.7N**±.20	**142.2E**±.20	**210**±34			**19**	**1-5**
JMA	V	29 01 33 33.3±.4	43.58N±.03	142.18E±.04	186±5			**¶97v4798**	
ISC	**V**	**29 03 41 38.7**±.66	**43.4N**±.12	**144.4E**±.17	**136**			**11**	**0-2**
JMA	V	29 03 41 38.9±.4	43.32N±.02	144.42E±.03	136±4			**¶97v4816**	
ISC	**V**	**29 23 22 53.1**±.66	**42.65N**±.041	**142.53E**±.064	**120**±11			**50**	**0-7**
JMA	V	29 23 22 54.3±.2	42.70N±.01	142.48E±.01	106±2			**¶97v4940**	
ISC	**V**	**30 08 19 20.2**±.66	**42.55N**±.041	**141.78E**±.070	**150**±10			**57**	**0-7**
JMA	V	30 08 19 21.7±.1	42.59N±.01	141.75E±.01	132±2			**¶97v5004**	
ISC	**V**	**30 12 02 22**±5.4	**42.8N**±.22	**143.4E**±.57	**99**±53			**7**	**0-1**
JMA	V	30 12 02 21.4±.4	42.78N±.02	143.45E±.06	103±4			**¶97v5030**	
ISC	**V**	**30 13 01 38.8**±.47	**41.68N**±.030	**140.82E**±.076	**134**±7.2	3.4b		**61**	**0-46**
EIDC	V	30 13 01 33.0	41.7N	141.9E	0	2.9L		**¶97v5038**	
JMA	V	30 13 01 39.7±.2	41.72N±.01	140.79E±.02	125±2				
ISC	**V**	**31 06 58 21.0**±.79	**41.22N**±.044	**142.18E**±.092	**49**±51			**24**	**1-3**
JMA	V	31 06 58 20.8±.1	41.23N±.01	142.13E±.01	58±5	2.8		**¶97v5162**	
ISC	**V**	**31 19 46 18**±1.7	**42.38N**±.077	**141.3E**±.17	**147**±21			**24**	**0-4**
JMA	V	31 19 46 18.7±.2	42.37N±.01	141.35E±.02	140±2			**¶97v5230**	
ISC	**V**	**31 20 33 12**±8.0	**43.3N**±.17	**145.8E**±.65	**73**±56			**9**	**0-2**
JMA	V	31 20 33 10.7±.3	43.32N±.02	145.83E±.03	82±2			**¶97v5236**	
ISC	**V**	**31 22 57 56.3**±.46	**41.94N**±.032	**142.32E**±.055	**61**±16			**40**	**0-5**
JMA	V	31 22 57 56.4±.0	41.95N±.01	142.29E±.01	60±2	3.4		**¶97v5251**	
ISC	**VI**	**01 00 07 41.3**±.75	**41.49N**±.035	**142.01E**±.060	**22**±9.6			**30**	**1-3**
JMA	VI	01 00 07 41.7±.1	41.50N±.01	142.00E±.01	50±5	2.9		**¶97vi0003**	
ISC	**VI**	**01 03 32 44**±2.5	**42.4N**±.14	**144.1E**±.16	**79**±31			**11**	**1-2**
JMA	VI	01 03 32 44.4±.3	42.43N±.02	144.12E±.02	77±4			**¶97vi0017**	
ISC	**VI**	**01 06 07 46.1**±.20	**41.18N**±.024	**140.46E**±.056	**174**±2.9	**3.9b**		**101**	**0-145**
MOS	VI	01 06 07 44.6	41.1N	140.4E	160	4.3b		**¶97vi0031**	
BJI	VI	01 06 07 45.2	41.15N	140.51E	182	4.2b			
NEIC	VI	01 06 07 45.5	41.16N	140.33E	168	4.1b			
EIDC	VI	01 06 07 45.8	41.0N	140.5E	159	3.7b			
JMA	VI	01 06 07 47.5±.2	41.19N±.01	140.50E±.02	161±2				
ISC	**VI**	**01 09 01 03**±6.8	**43.0N**±.25	**145.7E**±.52	**66**±57			**6**	**0-2**
JMA	VI	01 09 01 02.7±.2	43.00N±.01	145.73E±.02	70±2			**¶97vi0049**	
ISC	**VI**	**01 09 47 53.2**±.28	**42.58N**±.026	**143.19E**±.054	**94**±4.1	**3.8b**		**77**	**0-86**
NEIC	VI	01 09 47 54.0	42.63N	143.05E	100			**¶97vi0057**	
JMA	VI	01 09 47 54.4±.1	42.67N±.01	143.16E±.01	80±2	3.7			
EIDC	VI	01 09 47 54.9	42.7N	143.1E	90	3.5b			
SKHL	VI	01 09 47 55.0	42.6N±.12	143.2E±.19	99±4				
MOS	VI	01 09 47 56.2	42.7N	143.2E	113	4.0b			
NEIC	Less reliable solution.								
SKHL	K10								
ISC	**VI**	**01 12 16 45.6**±.70	**43.17N**±.046	**145.6E**±.11	**115**±5.7	**3.7b**		**50**	**0-70**
NEIC	VI	01 12 16 47.1	43.58N	145.23E	100			**¶97vi0082**	
JMA	VI	01 12 16 47.9±.2	43.23N±.01	145.43E±.02	93±2				
EIDC	VI	01 12 16 48.3	43.8N	145.0E	77	3.6b			
NEIC	Single network solution.								
ISC	**VI**	**02 02 26 39.5**±.96	**41.63N**±.041	**141.97E**±.077	**114**±18			**33**	**1-3**
JMA	VI	02 02 26 40.2±.1	41.63N±.01	141.93E±.01	106±2			**¶97vi0165**	
ISC	**VI**	**02 14 27 40**±1.7	**43.8N**±.37	**145.4E**±.38	**150**			**8**	**0-2**
JMA	VI	02 14 27 40.3±.1	43.75N±.03	145.37E±.03	150			**¶97vi0250**	
ISC	**VI**	**03 11 20 49**±3.3	**43.0N**±.25	**145.7E**±.30	**60**			**6**	**0-2**
JMA	VI	03 11 20 49.7±.4	43.06N±.02	145.67E±.03	60±3			**¶97vi0436**	
ISC	**VI**	**03 11 47 41**±2.0	**42.82N**±.084	**139.2E**±.23	**36**			**18**	**1-4**
JMA	VI	03 11 47 39.7±.3	42.83N±.01	139.20E±.03	36±4	3.1		**¶97vi0446**	
ISC	**VI**	**03 17 30 42.6**±.46	**42.05N**±.034	**142.51E**±.058	**62**±15			**39**	**0-4**
JMA	VI	03 17 30 42.6±.1	42.05N±.01	142.50E±.01	63±3			**¶97vi0497**	
JMA	**VI**	**03 17 59 39.0**±.3	**42.57N**±.03	**144.12E**±.04	**86**			**¶97vi0500**	
ISC	**VI**	**03 19 38 55**±1.1	**42.76N**±.087	**143.0E**±.12	**64**±13	3.3b		**13**	**0-58**
JMA	VI	03 19 38 51.7±.3	42.71N±.01	142.92E±.01	104±3			**¶97vi0510**	
ISC	**VI**	**03 21 40 08**±2.8	**42.7N**±.18	**144.7E**±.18	**76**±32			**11**	**0-2**
JMA	VI	03 21 40 08.3±.3	42.71N±.02	144.70E±.02	76±4			**¶97vi0518**	
ISC	**VI**	**04 23 15 54.4**±.24	**42.54N**±.020	**142.98E**±.045	**108**±2.5	**4.4b**		**201**	**0-146**
MOS	VI	04 23 15 52.1	42.6N	143.0E	86	4.9b		**¶97vi0683**	
SKHL	VI	04 23 15 54.0	42.5N±.07	143.0E±.11	104±1				
JMA	VI	04 23 15 55.1±.2	42.60N±.01	142.97E±.01	107±3	4.2			
NEIC	VI	04 23 15 55.1	42.65N	142.83E	111	4.5b			
EIDC	VI	04 23 15 55.6	42.6N	142.9E	107	4.1b			
BJI	VI	04 23 15 56.7	42.84N	142.90E	132	4.6b			
SKHL	K10.5								
ISC	**VI**	**05 02 05 26.7**±.87	**42.61N**±.045	**142.75E**±.073	**130**±13			**41**	**0-6**
JMA	VI	05 02 05 28.3±.2	42.64N±.01	142.70E±.01	110±3			**¶97vi0695**	
ISC	**VI**	**05 05 53 35.7**±.20	**44.99N**±.022	**141.72E**±.035	**292**±2.6	**4.8b**		**390**	**0-156**
MOS	VI	05 05 53 34.8	45.0N	141.8E	288	5.0b		**¶97vi0719**	
EIDC	VI	05 05 53 35.0	45.1N	141.8E	276	4.5b			
BJI	VI	05 05 53 35.4	45.01N	141.71E	289	5.1b			
NEIC	VI	05 05 53 35.5	45.11N	141.70E	289	4.8b			
SKHL	VI	05 05 53 36.0	45.06N±.04	141.72E±.08	314±7				
JMA	VI	05 05 53 36.2±.2	45.01N±.02	141.78E±.02	302±2	5.2			
ISC	**VI**	**05 20 02 00**±4.5	**42.4N**±.12	**139.0E**±.40	**19**±18			**11**	**0-2**
JMA	VI	05 20 02 01.2±.3	42.38N±.01	139.14E±.03	27±3	3.2		**¶97vi0823**	
ISC	**VI**	**05 22 13 20**±1.0	**41.18N**±.063	**142.6E**±.15	**36**			**13**	**1-2**
JMA	VI	05 22 13 19.3±.1	41.17N±.01	142.57E±.02	36	2.9		**¶97vi0834**	
ISC	**VI**	**06 04 43 43**±2.5	**42.76N**±.094	**139.8E**±.17	**9**±15			**10**	**0-2**
JMA	VI	06 04 43 43.5±.2	42.74N±.01	139.86E±.02	7±2	3.1		**¶97vi0885**	
ISC	**VI**	**06 12 30 42.5**±.87	**42.11N**±.043	**141.15E**±.085	**126**±12			**41**	**0-5**
JMA	VI	06 12 30 43.6±.1	42.12N±.01	141.11E±.01	113±2			**¶97vi0938**	

ISC	**VI**	**06 15 35 54.6**±.95	**41.10N**±.043	**142.45E**±.095	**71**±38			**27**	**1-3**
JMA	VI	06 15 35 54.9±.1	41.09N±.01	142.41E±.02	67			**¶97vi0951**	
ISC	**VI**	**06 17 35 22**±9.7	**42.3N**±.18	**139.2E**±.96	**12**±21			**8**	**0-1**
JMA	VI	06 17 35 23.0±.3	42.29N±.01	139.33E±.04	10±4	2.8		**¶97vi0964**	
ISC	**VI**	**07 05 19 40**±1.3	**42.79N**±.063	**141.0E**±.12	**161**±14			**37**	**0-6**
JMA	VI	07 05 19 41.4±.2	42.80N±.01	141.05E±.02	151±2			**¶97vi1046**	
ISC	**VI**	**07 09 02 37.0**±.43	**41.47N**±.037	**142.35E**±.068	**36**			**30**	**1-3**
JMA	VI	07 09 02 36.2±.1	41.45N±.01	142.35E±.01	36±4	3.0		**¶97vi1071**	
ISC	**VI**	**07 12 33 30.2**±.31	**42.86N**±.025	**144.35E**±.058	**126**±3.6	**4.1b**		**117**	**0-126**
NEIC	VI	07 12 33 29.8	43.09N	144.17E	113	4.5b		**¶97vi1096**	
MOS	VI	07 12 33 29.9	43.0N	144.4E	113	4.9b			
JMA	VI	07 12 33 31.6±.2	42.90N±.01	144.35E±.01	112±2	4.1			
EIDC	VI	07 12 33 31.6	43.1N	144.2E	113	3.7b			
SKHL	VI	07 12 33 32.0	43.0N±.15	144.2E±.10	125±15				
SKHL	K10								
ISC	**VI**	**07 18 51 23**±1.0	**41.48N**±.049	**142.03E**±.099	**45**±63			**18**	**1-2**
JMA	VI	07 18 51 22.9±.1	41.49N±.01	142.02E±.01	62±4			**¶97vi1133**	
ISC	**VI**	**08 07 17 44**±2.3	**42.7N**±.12	**143.7E**±.14	**102**±25			**12**	**0-2**
JMA	VI	08 07 17 44.6±.3	42.66N±.02	143.62E±.02	99±3			**¶97vi1195**	
ISC	**VI**	**08 11 44 02.8**±.85	**41.39N**±.043	**141.80E**±.096	**71**±25			**24**	**1-4**
JMA	VI	08 11 44 03.0±.1	41.39N±.01	141.77E±.02	68±4			**¶97vi1230**	
ISC	**VI**	**08 11 58 11**±5.1	**43.5N**±.15	**145.4E**±.34	**138**±44			**15**	**0-4**
JMA	VI	08 11 58 13.3±.3	43.46N±.02	145.23E±.02	121±3			**¶97vi1232**	
ISC	**VI**	**08 14 16 12**±1.4	**41.63N**±.051	**141.9E**±.11	**121**±23			**27**	**1-3**
JMA	VI	08 14 16 13.5±.1	41.61N±.01	141.94E±.01	103±3			**¶97vi1252**	
ISC	**VI**	**08 16 20 53**±6.5	**44.5N**±.42	**142.3E**±.23	**271**±45			**27**	**0-6**
JMA	VI	08 16 20 58.6±.2	44.25N±.03	142.30E±.04	228			**¶97vi1259**	
ISC	**VI**	**08 17 01 12.1**±.45	**41.77N**±.035	**143.20E**±.072	**52**±18			**43**	**0-6**
JMA	VI	08 17 01 12.1±.2	41.79N±.02	143.15E±.02	51±3	3.4		**¶97vi1266**	
ISC	**VI**	**08 22 39 36**±2.2	**43.0N**±.14	**144.5E**±.15	**76**±27			**10**	**0-1**
JMA	VI	08 22 39 36.4±.2	42.99N±.02	144.45E±.02	74±3			**¶97vi1296**	
ISC	**VI**	**08 22 49 22**±1.3	**41.8N**±.12	**143.2E**±.12	**45**±23			**15**	**0-2**
JMA	VI	08 22 49 21.7±.2	41.79N±.02	143.14E±.02	48±3	2.8		**¶97vi1297**	
ISC	**VI**	**09 03 11 49.4**±.31	**41.32N**±.028	**142.21E**±.062	**73**±7.4	**3.5b**		**52**	**1-71**
JMA	VI	09 03 11 49.8±.1	41.31N±.01	142.15E±.01	59±4	3.9		**¶97vi1323**	
EIDC	VI	09 03 11 49.8	41.3N	142.2E	67	3.3b,2.7L			
ISC	**VI**	**09 05 13 57**±4.8	**42.3N**±.11	**139.0E**±.43	**19**±19			**11**	**0-2**
JMA	VI	09 05 13 58.2±.4	42.29N±.01	139.10E±.04	25±3	3.1		**¶97vi1336**	
ISC	**VI**	**09 08 05 44**±4.8	**43.0N**±.20	**145.3E**±.29	**85**±41			**8**	**0-1**
JMA	VI	09 08 05 43.7±.2	43.03N±.01	145.29E±.01	85±2			**¶97vi1360**	
ISC	**VI**	**09 08 09 52.2**±.58	**42.41N**±.040	**143.65E**±.081	**69**±13			**36**	**0-5**
JMA	VI	09 08 09 53.4±.2	42.51N±.01	143.55E±.01	58±3	3.3		**¶97vi1361**	
ISC	**VI**	**09 11 38 06.5**±.21	**42.54N**±.020	**142.79E**±.039	**113**±2.3	**4.7b**		**257**	**0-152**
BJI	VI	09 11 38 06.0	42.69N	142.86E	117	4.8b		**¶97vi1390**	
SKHL	VI	09 11 38 06.0	42.5N±.03	142.8E±.05	108±6				
MOS	VI	09 11 38 06.4	42.7N	142.7E	107	4.9b			
EIDC	VI	09 11 38 06.6	42.6N	142.8E	102	4.3b			
NEIC	VI	09 11 38 06.7	42.62N	142.71E	112	4.7b			
JMA	VI	09 11 38 07.0±.2	42.59N±.01	142.76E±.01	113±2	4.4			
SKHL	K11								
ISC	**VI**	**09 14 16 52**±1.7	**43.6N**±.25	**142.6E**±.21	**172**			**10**	**0-2**
JMA	VI	09 14 16 52.5±.3	43.61N±.04	142.57E±.04	172			**¶97vi1404**	
JMA	**VI**	**09 15 19 27.2**±.4	**41.33N**±.02	**142.41E**±.03	**24**	**2.9**		**¶97vi1413**	
ISC	**VI**	**10 23 06 51.9**±.68	**41.97N**±.044	**140.92E**±.061	**6**±8.1			**15**	**0-2**
JMA	VI	10 23 06 52.2±.1	41.96N±.01	140.94E±.01	8±2	3.1		**¶97vi1581**	
ISC	**VI**	**11 02 15 49.5**±.51	**41.22N**±.046	**142.53E**±.083	**38**			**26**	**1-3**
JMA	VI	11 02 15 49.0±.1	41.22N±.01	142.49E±.02	38	3.4		**¶97vi1608**	
ISC	**VI**	**11 08 57 39**±6.8	**44.4N**±.43	**142.4E**±.22	**265**±47			**26**	**0-6**
JMA	VI	11 08 57 43.2±.5	44.18N±.03	142.39E±.04	234±5			**¶97vi1649**	
ISC	**VI**	**11 10 04 02**±4.0	**42.3N**±.10	**139.2E**±.33	**12**±15			**11**	**0-2**
JMA	VI	11 10 04 03.1±.4	42.31N±.01	139.23E±.03	20±3	2.8		**¶97vi1663**	
ISC	**VI**	**11 10 41 09**±4.1	**42.5N**±.14	**139.3E**±.42	**12**			**8**	**0-1**
JMA	VI	11 10 41 09.5±.2	42.55N±.01	139.33E±.02	12±4	2.8		**¶97vi1673**	
ISC	Poorly determined								
ISC	**VI**	**11 12 35 56.2**±.76	**41.66N**±.054	**144.3E**±.10	**55**±45			**34**	**1-5**
JMA	VI	11 12 35 56.0±.2	41.67N±.01	144.31E±.02	59	3.4		**¶97vi1689**	
ISC	**VI**	**11 16 46 33**±1.1	**41.49N**±.044	**141.2E**±.11	**100**±17			**28**	**0-4**
JMA	VI	11 16 46 33.4±.1	41.47N±.01	141.15E±.02	99±2			**¶97vi1725**	
ISC	**VI**	**11 17 11 19**±1.2	**41.30N**±.045	**145.1E**±.15	**44**			**35**	**2-5**
JMA	VI	11 17 11 19.0±.4	41.31N±.02	144.93E±.05	44	3.1		**¶97vi1727**	
ISC	**VI**	**11 17 52 18**±2.4	**41.98N**±.077	**139.3E**±.24	**13**±9.7			**11**	**0-2**
JMA	VI	11 17 52 18.1±.3	41.99N±.01	139.29E±.03	16±2	2.9		**¶97vi1729**	
JMA	**VI**	**12 00 40 19.4**±.7	**42.16N**±.02	**139.11E**±.06	**24**	**3.0**		**¶97vi1779**	
ISC	**VI**	**12 01 16 06**±3.7	**42.4N**±.26	**142.6E**±.17	**56**±46			**5**	**0-1**
JMA	VI	12 01 16 05.2±.2	42.36N±.01	142.64E±.01	60±2	1.8		**¶97vi1781**	
ISC	Poorly determined								
ISC	**VI**	**12 18 49 25**±4.5	**43.0N**±.20	**145.5E**±.31	**61**±42			**8**	**0-2**
JMA	VI	12 18 49 25.1±.2	42.97N±.01	145.43E±.02	62±3			**¶97vi1885**	
ISC	**VI**	**12 20 48 41**±3.4	**41.94N**±.092	**139.2E**±.28	**12**±14			**10**	**0-2**
JMA	VI	12 20 48 40.7±.3	41.94N±.01	139.18E±.03	14±3	2.9		**¶97vi1896**	
ISC	**VI**	**13 03 51 00**±2.3	**42.6N**±.18	**144.8E**±.17	**42**±47			**12**	**0-3**
JMA	VI	13 03 50 59.2±.2	42.55N±.02	144.80E±.02	52±3	2.9		**¶97vi1929**	
ISC	**VI**	**13 08 54 53**±2.9	**42.5N**±.14	**143.7E**±.18	**105**±29			**14**	**0-2**
JMA	VI	13 08 54 55.1±.2	42.55N±.01	143.64E±.02	88±3			**¶97vi1957**	
ISC	**VI**	**13 09 18 14**±1.6	**42.46N**±.069	**140.9E**±.13	**142**±18			**32**	**0-4**
JMA	VI	13 09 18 15.4±.2	42.48N±.01	140.93E±.01	133±2			**¶97vi1963**	
ISC	**VI**	**13 20 45 14**±2.7	**43.2N**±.14	**143.3E**±.14	**132**±30			**13**	**0-2**
JMA	VI	13 20 45 14.3±.3	43.15N±.02	143.28E±.02	122±3			**¶97vi2037**	
ISC	**VI**	**14 06 48 56**±1.4	**42.7N**±.29	**143.9E**±.24	**104**			**7**	**0-2**
JMA	VI	14 06 48 56.2±.4	42.76N±.03	143.84E±.03	104±4			**¶97vi2096**	
ISC	**VI**	**14 12 50 29**±3.3	**42.7N**±.12	**143.0E**±.21	**98**±34			**11**	**0-2**
JMA	VI	14 12 50 28.7±.2	42.69N±.01	143.01E±.01	100±2			**¶97vi2131**	
ISC	**VI**	**14 19 26 53**±1.2	**42.81N**±.064	**142.90E**±.085	**147**±16			**35**	**0-6**
JMA	VI	14 19 26 53.8±.3	42.83N±.01	142.85E±.02	135±3			**¶97vi2162**	
ISC	**VI**	**14 21 34 53**±1.7	**43.1N**±.10	**143.8E**±.13	**108**±21			**17**	**0-5**
JMA	VI	14 21 34 54.9±.3	43.08N±.01	143.78E±.02	93±3			**¶97vi2179**	
ISC	**VI**	**15 01 01 07**±1.1	**41.8N**±.11	**141.8E**±.18	**68**			**9**	**1-2**
JMA	VI	15 01 01 06.7±.1	41.78N±.01	141.83E±.01	68±2			**¶97vi2200**	
ISC	**VI**	**15 04 15 16**±2.8	**41.54N**±.068	**140.8E**±.23	**144**±32			**20**	**0-3**
JMA	VI	15 04 15 15.8±.3	41.53N±.01	140.76E±.03	143±3			**¶97vi2236**	
ISC	**VI**	**15 04 52 29**±5.1	**41.13N**±.059	**139.5E**±.19	**8**±44			**16**	**1-3**
JMA	VI	15 04 52 29.6±.1	41.13N±.01	139.51E±.02	25±3	2.8		**¶97vi2240**	
ISC	**VI**	**15 04 54 15.8**±.23	**42.96N**±.018	**144.12E**±.030	**101**±2.3	**5.3b**		**638**	**0-156**
MOS	VI	15 04 54 14.2	43.4N	144.0E	71	6.0b		**¶97vi2242**	
BJI	VI	15 04 54 14.9	43.20N	144.10E	95	5.2b			
NEIC	VI	15 04 54 15.6	43.06N	144.09E	97	5.3b			
SKHL	VI	15 04 54 16.0	43.0N±.08	144.1E±.17	94±5				
EIDC	VI	15 04 54 16.8	43.1N	144.0E	97	5.0b,3.6s			
JMA	VI	15 04 54 16.9±.2	42.97N±.01	144.21E±.01	98±2	5.1			
HRVD	VI	15 04 54 18.9±.3	43.10N±.03	143.67E±.05	99±3.8				
MOS	Felt I=III MSK at Yuzno−Kurilsk.								

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Mw5.3(HRV)							
NEIC	Felt I=III MM at Kunashir.							
SKHL	Felt I=III at Yuzhno−Kurilsk							
JMA	Felt I= IV J1							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c55; Mantle waves: s12,c12; Half duration: 1$1. Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.28; $M_{\theta\theta}$3.43±.49; $M_{\phi\phi}$−3.78±.53; $M_{r\theta}$8.16±.30; $M_{r\phi}$−2.31±.35; $M_{\theta\phi}$2.04±.45. Principal Axes: T 10.2,Plg40°,Azm0°; N −1.8,Plg25°,Azm113°; P −8.4,Plg40°,Azm226°. Best double couple: $M_0$9.3×10^{16}Nm, NP1:ϕ_S23°,δ25°,λ−180°. NP2:ϕ_S293°,δ90°,λ−65°.							
ISC	**VI**	**15 05 13 04.1**±.83	**44.24N**±.050	**141.63E**±.089	**10**±9.7		**15**	**0-2**
JMA	VI	15 05 13 04.4±.1	44.24N±.01	141.62E±.01	6±2	2.8		¶97vi2247
ISC	**VI**	**15 10 10 45**±6.1	**42.5N**±.13	**139.0E**±.55	**16**±19		**10**	**1-2**
JMA	VI	15 10 10 45.9±.4	42.48N±.02	139.09E±.04	23±4	2.8		¶97vi2279
JMA	**VI**	**15 22 56 32.9**±.5	**42.35N**±.01	**139.12E**±.04	**11**±4	**2.8**		¶97vi2368
ISC	**VI**	**16 00 23 23**±4.0	**42.7N**±.14	**139.3E**±.38	**14**		**5**	**1-1**
JMA	VI	16 00 23 23.5±.5	42.69N±.02	139.28E±.04	14	3.0		¶97vi2381
JMA	**VI**	**16 00 25 58.2**±.3	**43.29N**±.02	**145.14E**±.02	**112**±3			¶97vi2382
JMA	**VI**	**16 06 34 59.6**±.5	**42.75N**±.03	**144.49E**±.03	**76**±4			¶97vi2412
ISC	**VI**	**16 06 52 02**±2.4	**42.8N**±.11	**142.1E**±.14	**156**±27		**17**	**0-3**
JMA	VI	16 06 52 03.5±.4	42.82N±.02	142.11E±.02	140±4			¶97vi2414
ISC	**VI**	**16 07 49 01**±3.6	**42.8N**±.17	**143.7E**±.20	**75**±38		**9**	**0-2**
JMA	VI	16 07 49 01.1±.2	42.76N±.01	143.66E±.02	76±3			¶97vi2421
ISC	**VI**	**16 12 07 39**±1.8	**41.40N**±.078	**145.5E**±.22	**64**		**18**	**2-4**
JMA	VI	16 12 07 39.4±.3	41.46N±.01	145.37E±.03	64			¶97vi2456
ISC	**VI**	**16 21 21 40**±1.8	**43.31N**±.099	**145.7E**±.24	**21**±13		**13**	**0-4**
JMA	VI	16 21 21 32.4±.4	43.25N±.02	146.48E±.04	45±4	3.3		¶97vi2512
ISC	**VI**	**17 00 16 07.2**±.66	**42.28N**±.028	**140.77E**±.056	**7**±6.1	3.7b	**48**	**0-87**
EIDC	VI	17 00 16 06.7	42.4N	140.6E	0	3.5b,3.6L		¶97vi2527
JMA	VI	17 00 16 07.4±.1	42.27N±.00	140.82E±.01	10±3	3.5		
ISC	**VI**	**17 00 18 07.1**±.81	**42.26N**±.033	**140.83E**±.066	**1**±8.3		**40**	**0-5**
JMA	VI	17 00 18 07.5±.1	42.27N±.01	140.82E±.01	10±3	3.4		¶97vi2528
ISC	**VI**	**17 00 27 13**±4.8	**42.7N**±.20	**144.3E**±.20	**114**±52		**8**	**0-1**
JMA	VI	17 00 27 14.2±.4	42.74N±.03	144.29E±.03	100±4			¶97vi2530
ISC	**VI**	**17 02 04 41**±1.9	**42.3N**±.33	**142.4E**±.26	**63**		**4**	**0-1**
JMA	VI	17 02 04 41.0±.3	42.26N±.02	142.33E±.02	63±3			¶97vi2540
ISC	Poorly determined							
ISC	**VI**	**17 02 13 45**±3.1	**43.0N**±.26	**145.4E**±.22	**40**		**7**	**0-2**
JMA	VI	17 02 13 45.5±.4	43.01N±.02	145.35E±.02	40±4	2.9		¶97vi2542
ISC	**VI**	**17 05 20 53**±1.4	**43.24N**±.088	**142.2E**±.10	**178**±15		**38**	**0-6**
JMA	VI	17 05 20 54.8±.2	43.23N±.01	142.23E±.01	162±3			¶97vi2556
ISC	**VI**	**17 06 49 37**±3.0	**42.6N**±.13	**143.3E**±.16	**118**±32		**11**	**0-2**
JMA	VI	17 06 49 38.1±.3	42.64N±.02	143.26E±.03	109±4			¶97vi2564
ISC	**VI**	**17 08 42 38.6**±.60	**42.04N**±.041	**142.45E**±.064	**58**±18		**30**	**0-3**
JMA	VI	17 08 42 38.4±.1	42.05N±.01	142.44E±.01	63±3			¶97vi2581
ISC	**VI**	**17 12 08 40**±4.3	**43.0N**±.15	**144.3E**±.19	**133**±42		**9**	**0-1**
JMA	VI	17 12 08 41.8±.3	43.01N±.02	144.33E±.02	118±3			¶97vi2620
ISC	**VI**	**17 15 40 10**±1.9	**42.90N**±.098	**143.5E**±.17	**149**±22		**22**	**0-5**
JMA	VI	17 15 40 12.3±.3	42.96N±.02	143.43E±.02	122±3			¶97vi2655
ISC	**VI**	**17 21 30 38**±4.8	**42.07N**±.097	**139.0E**±.35	**12**±17		**10**	**0-2**
JMA	VI	17 21 30 39.2±.4	42.07N±.01	139.14E±.03	21±3	2.8		¶97vi2692
ISC	**VI**	**18 01 20 34**±1.7	**43.42N**±.088	**144.5E**±.13	**166**±16		**41**	**0-7**
JMA	VI	18 01 20 37.3±.3	43.45N±.01	144.38E±.02	137±3			¶97vi2712
ISC	**VI**	**18 02 06 24**±2.9	**42.6N**±.30	**144.3E**±.27	**66**		**7**	**0-1**
JMA	VI	18 02 06 23.9±.3	42.63N±.02	144.31E±.02	66±4			¶97vi2714
ISC	**VI**	**18 04 24 21**±2.4	**43.3N**±.13	**145.7E**±.29	**25**±15		**8**	**0-2**
JMA	VI	18 04 24 13.9±.5	43.29N±.02	146.44E±.05	49±3	3.2		¶97vi2726
ISC	**VI**	**19 01 01 53**±4.9	**42.3N**±.16	**139.3E**±.44	**12**±15		**7**	**0-2**
JMA	VI	19 01 01 53.1±.3	42.26N±.01	139.29E±.02	15±2	2.8		¶97vi2852
ISC	**VI**	**19 02 21 01**±4.3	**42.9N**±.20	**144.9E**±.20	**93**±38		**10**	**0-2**
JMA	VI	19 02 21 01.7±.3	42.92N±.02	144.83E±.02	89±3			¶97vi2858
ISC	**VI**	**19 03 14 02.8**±.83	**42.45N**±.051	**143.87E**±.099	**85**±14		**29**	**0-4**
JMA	VI	19 03 14 03.9±.2	42.53N±.02	143.80E±.02	74±3			¶97vi2865
ISC	**VI**	**19 10 29 42**±1.2	**43.6N**±.19	**145.0E**±.18	**130**		**12**	**0-2**
JMA	VI	19 10 29 42.0±.3	43.53N±.02	145.04E±.02	130±3			¶97vi2897
ISC	**VI**	**19 20 54 25**±1.4	**41.66N**±.075	**144.9E**±.20	**68**		**17**	**1-4**
JMA	VI	19 20 54 24.9±.3	41.71N±.02	144.85E±.03	68			¶97vi2954
ISC	**VI**	**19 21 36 56.3**±.43	**42.27N**±.036	**140.77E**±.054	**15**		**30**	**0-4**
JMA	VI	19 21 36 55.6±.1	42.28N±.00	140.85E±.01	15±2	3.0		¶97vi2959
ISC	**VI**	**20 01 49 34**±2.0	**42.7N**±.18	**142.5E**±.32	**94**		**5**	**0-1**
JMA	VI	20 01 49 33.5±.2	42.73N±.01	142.43E±.02	94±2			¶97vi2987
ISC	**VI**	**20 03 25 30**±1.1	**41.62N**±.053	**141.7E**±.11	**73**±28		**20**	**1-2**
JMA	VI	20 03 25 30.1±.1	41.63N±.01	141.63E±.01	76±3			¶97vi3002
ISC	**VI**	**20 08 10 36**±1.0	**41.80N**±.039	**141.55E**±.090	**138**±16		**38**	**0-3**
JMA	VI	20 08 10 37.3±.2	41.80N±.01	141.53E±.01	127±2			¶97vi3026
ISC	**VI**	**20 11 02 02.4**±.75	**42.8N**±.16	**142.4E**±.16	**127**		**10**	**0-1**
JMA	VI	20 11 02 02.3±.5	42.78N±.02	142.44E±.03	127±5			¶97vi3042
ISC	**VI**	**20 15 54 52**±3.4	**41.1N**±.11	**139.3E**±.31	**0**		**11**	**1-2**
JMA	VI	20 15 54 52.0±.2	41.07N±.01	139.25E±.01	0	2.9		¶97vi3078
ISC	**VI**	**20 16 21 48**±1.3	**43.0N**±.48	**144.4E**±.23	**97**		**5**	**0-1**
JMA	VI	20 16 21 48.2±.2	42.98N±.05	144.40E±.03	97			¶97vi3081
ISC	Poorly determined							
ISC	**VI**	**20 17 22 35**±1.1	**42.28N**±.083	**143.16E**±.075	**60**±16		**26**	**0-3**
JMA	VI	20 17 22 35.0±.3	42.32N±.02	143.11E±.02	59±3	3.1		¶97vi3090
ISC	**VI**	**20 21 06 53.3**±.39	**42.70N**±.043	**139.29E**±.080	**226**±5.4	**3.3b**	**52**	**1-66**
NEIC	VI	20 21 06 53.1	42.72N	139.25E	224			¶97vi3114
EIDC	VI	20 21 06 54.0	42.8N	139.2E	211	3.1b		
JMA	VI	20 21 06 54.1±.3	42.71N±.01	139.30E±.03	218±2			
NEIC	Single network solution.							
ISC	**VI**	**21 03 25 06.8**±.25	**42.35N**±.024	**143.05E**±.052	**115**±3.7	**3.8b**	**98**	**0-86**
SKHL	VI	21 03 25 06.0	42.2N±.08	143.1E±.13	111±5			¶97vi3147
NEIC	VI	21 03 25 06.1	42.40N	143.04E	105	4.0b		
MOS	VI	21 03 25 06.6	42.4N	143.1E	114	4.2b		
JMA	VI	21 03 25 07.4±.2	42.40N±.01	143.01E±.02	110±3			
EIDC	VI	21 03 25 07.4	42.4N	143.1E	99	3.5b		
SKHL	K_{10}							
NEIC	Less reliable solution.							
ISC	**VI**	**21 04 06 55**±6.4	**42.4N**±.15	**139.0E**±.60	**23**±22		**6**	**0-1**
JMA	VI	21 04 06 55.5±.5	42.44N±.02	139.07E±.04	25±5	3.0		¶97vi3156
ISC	**VI**	**21 06 34 44**±3.0	**42.9N**±.20	**145.6E**±.28	**51**		**8**	**0-2**
JMA	VI	21 06 34 44.2±.2	42.96N±.01	145.58E±.02	51±3	3.0		¶97vi3169
ISC	**VI**	**21 09 01 23**±1.7	**41.5N**±.14	**142.7E**±.15	**33**		**12**	**1-2**
JMA	VI	21 09 01 22.1±.3	41.44N±.02	142.74E±.02	33	2.8		¶97vi3189
ISC	**VI**	**21 09 52 23.8**±.47	**45.78N**±.082	**142.7E**±.12	**342**±7.4	**3.1b**	**47**	**1-84**
NEIC	VI	21 09 52 21.3	46.07N	142.71E	300	3.1b		¶97vi3194
EIDC	VI	21 09 52 23.9	45.9N	142.7E	320	2.9b		
JMA	VI	21 09 52 25.2±.4	45.70N±.03	142.78E±.05	331±3			
NEIC	Less reliable solution.							
ISC	**VI**	**21 09 54 04**±2.3	**42.06N**±.082	**139.3E**±.24	**15**		**10**	**0-2**
JMA	VI	21 09 54 04.0±.3	42.07N±.01	139.29E±.03	15±2	3.3		¶97vi3195
ISC	**VI**	**21 10 36 16**±1.8	**43.00N**±.087	**144.2E**±.12	**99**±20		**14**	**0-3**
JMA	VI	21 10 36 15.8±.2	42.99N±.01	144.13E±.02	96±3			¶97vi3200
ISC	**VI**	**21 12 42 17**±2.7	**42.5N**±.11	**142.2E**±.11	**123**±34		**16**	**0-2**
JMA	VI	21 12 42 17.9±.3	42.48N±.01	142.17E±.02	112±3			¶97vi3218
ISC	**VI**	**21 20 37 26**±1.0	**41.97N**±.090	**142.61E**±.080	**67**±18		**22**	**0-3**
JMA	VI	21 20 37 26.1±.1	41.99N±.01	142.57E±.01	63±2			¶97vi3276
ISC	**VI**	**21 23 22 25.2**±.61	**41.52N**±.039	**142.06E**±.072	**56**±32		**33**	**1-3**
JMA	VI	21 23 22 25.0±.1	41.49N±.01	142.01E±.01	64±3			¶97vi3288
JMA	**VI**	**22 01 21 55.7**±.1	**43.10N**±.04	**143.92E**±.04	**136**			¶97vi3305
ISC	**VI**	**22 11 17 08.7**±.53	**42.21N**±.037	**143.05E**±.062	**66**±12		**37**	**0-5**
JMA	VI	22 11 17 09.0±.2	42.26N±.01	143.00E±.01	64±2			¶97vi3376
ISC	**VI**	**22 16 22 25**±1.1	**41.93N**±.037	**144.09E**±.078	**17**±11		**42**	**1-5**
JMA	VI	22 16 22 26.6±.3	41.98N±.02	144.00E±.02	39±4	3.2		¶97vi3411
ISC	**VI**	**22 23 19 53**±1.6	**42.07N**±.065	**144.1E**±.13	**29**±15		**20**	**1-4**
JMA	VI	22 23 19 53.6±.3	42.15N±.02	143.97E±.02	55±5	2.9		¶97vi3456
ISC	**VI**	**23 04 41 44.8**±.60	**42.27N**±.055	**140.79E**±.063	**15**		**16**	**0-2**
JMA	VI	23 04 41 44.3±.1	42.28N±.01	140.85E±.02	15±4	2.8		¶97vi3484
ISC	**VI**	**23 08 06 42**±1.2	**42.9N**±.11	**145.3E**±.16	**103**±11	3.3b	**17**	**0-57**
JMA	VI	23 08 06 43.9±.2	42.90N±.01	145.14E±.02	83±3			¶97vi3496
ISC	**VI**	**23 09 37 52.1**±.48	**44.07N**±.037	**141.75E**±.065	**15**		**21**	**0-2**
JMA	VI	23 09 37 52.0±.1	44.04N±.01	141.77E±.01	15±3	3.1		¶97vi3508
ISC	**VI**	**23 14 51 44**±8.6	**43.6N**±.55	**141.6E**±.35	**202**±62		**21**	**0-5**
JMA	VI	23 14 51 43.9±.2	43.63N±.03	141.56E±.04	203			¶97vi3540
ISC	**VI**	**23 19 00 10.6**±.66	**42.26N**±.036	**140.79E**±.059	**5**±7.1		**27**	**0-3**
JMA	VI	23 19 00 10.9±.1	42.26N±.01	140.83E±.01	11±4	2.9		¶97vi3578
ISC	**VI**	**24 03 54 25**±1.1	**42.79N**±.070	**144.3E**±.10	**116**±16		**35**	**0-6**
JMA	VI	24 03 54 26.8±.2	42.85N±.01	144.24E±.01	98±2			¶97vi3632
ISC	**VI**	**24 07 15 17**±2.0	**41.5N**±.25	**141.9E**±.16	**69**		**6**	**1-2**
JMA	VI	24 07 15 16.8±.2	41.47N±.01	141.87E±.01	69±4			¶97vi3665
ISC	**VI**	**24 08 49 49**±3.8	**42.5N**±.22	**143.7E**±.32	**79**±47		**7**	**0-1**
JMA	VI	24 08 49 49.0±.3	42.46N±.02	143.76E±.03	76±4			¶97vi3676
ISC	**VI**	**24 14 01 43.6**±.75	**42.27N**±.034	**140.80E**±.059	**4**±7.7		**31**	**0-4**
JMA	VI	24 14 01 43.8±.1	42.27N±.00	140.85E±.01	14±3	3.0		¶97vi3720
ISC	**VI**	**24 19 04 40.8**±.66	**42.25N**±.035	**140.79E**±.058	**4**±7.0		**28**	**0-3**
JMA	VI	24 19 04 41.2±.1	42.26N±.01	140.82E±.01	11±4	2.8		¶97vi3770
ISC	**VI**	**25 05 38 17.9**±.65	**41.56N**±.040	**142.10E**±.067	**55**±33		**34**	**1-5**
JMA	VI	25 05 38 17.9±.1	41.53N±.01	142.07E±.01	55±4	3.1		¶97vi3853
ISC	**VI**	**25 08 51 55**±5.8	**42.6N**±.16	**141.3E**±.35	**140**±54		**11**	**0-3**
JMA	VI	25 08 51 56.0±.2	42.58N±.03	141.33E±.03	136			¶97vi3875
ISC	**VI**	**25 12 25 33.5**±.28	**41.49N**±.025	**142.05E**±.053	**71**±5.9	**3.6b**	**61**	**1-65**
JMA	VI	25 12 25 33.6±.1	41.48N±.00	142.01E±.01	66±3			¶97vi3934
NEIC	VI	25 12 25 33.9	41.55N	142.07E	75	3.6b		
EIDC	VI	25 12 25 37.7	41.5N	142.0E	94	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**25 16 40 47**±6.1	**42.5N**±.61	**144.4E**±.47	**64**		**8**	**1-2**
JMA	VI	25 16 40 47.3±.3	42.61N±.03	144.32E±.03	64			¶97vi3987
ISC	Poorly determined							
ISC	**VI**	**25 19 56 05.0**±.61	**42.32N**±.048	**142.92E**±.060	**28**±7.5		**25**	**0-3**
JMA	VI	25 19 56 04.7±.3	42.31N±.03	142.88E±.02	31±4	3.1		¶97vi4017
ISC	**VI**	**25 20 07 49.7**±.86	**41.36N**±.044	**142.11E**±.080	**67**±30		**24**	**1-3**
JMA	VI	25 20 07 50.0±.1	41.34N±.01	142.06E±.01	63			¶97vi4020
ISC	**VI**	**26 00 22 40**±1.7	**43.0N**±.30	**141.7E**±.22	**150**		**9**	**0-2**
JMA	VI	26 00 22 41.0±.5	42.94N±.04	141.76E±.03	150±5			¶97vi4054
ISC	**VI**	**26 01 50 07**±2.6	**42.7N**±.20	**141.6E**±.35	**143**		**8**	**1-3**
JMA	VI	26 01 50 06.1±.4	42.71N±.02	141.47E±.04	143±3			¶97vi4069
ISC	**VI**	**26 09 38 43**±5.1	**43.4N**±.12	**145.7E**±.48	**62**±36		**13**	**0-4**
JMA	VI	26 09 38 42.1±.2	43.41N±.01	145.76E±.02	65±2			¶97vi4113
ISC	**VI**	**26 12 20 23**±2.5	**42.9N**±.21	**144.1E**±.20	**99**±28		**10**	**0-1**
JMA	VI	26 12 20 23.0±.4	42.95N±.02	144.08E±.03	95±4			¶97vi4139
ISC	**VI**	**26 19 10 37**±3.9	**42.8N**±.12	**142.4E**±.16	**94**±44		**10**	**0-2**
JMA	VI	26 19 10 37.2±.5	42.83N±.02	142.43E±.03	92±5			¶97vi4190
ISC	**VI**	**27 04 42 01.5**±.52	**41.37N**±.042	**142.93E**±.092	**11**		**28**	**1-3**
JMA	VI	27 04 42 01.3±.4	41.34N±.01	142.88E±.02	11±5	3.0		¶97vi4242
JMA	**VI**	**27 14 12 03.9**±.2	**41.03N**±.02	**144.57E**±.02	**40**	**2.8**		¶97vi4307
ISC	**VI**	**27 19 46 43**±2.4	**43.04N**±.097	**145.7E**±.24	**53**±33		**23**	**0-6**
JMA	VI	27 19 46 44.7±.3	43.09N±.02	145.55E±.03	45±3	3.0		¶97vi4363
ISC	**VI**	**28 02 06 00**±1.5	**41.5N**±.18	**142.7E**±.36	**61**		**6**	**1-59**
JMA	VI	28 02 06 05.5±.5	41.18N±.03	142.30E±.04	61			¶97vi4399
ISC	**VI**	**28 03 15 06**±2.3	**41.63N**±.027	**144.79E**±.066	**11**±14	**4.4b,3.7s**	**123**	**1-152**
EIDC	VI	28 03 15 06.1	41.7N	144.8E	0	4.2b,3.7s		¶97vi4405
JMA	VI	28 03 15 08.2±.2	41.70N±.01	144.82E±.02	64			
BJI	VI	28 03 15 08.4	41.77N	144.68E	34	4.6b		
NEIC	VI	28 03 15 09.2	41.66N	144.61E	33	4.6b		
MOS	VI	28 03 15 09.4	41.7N	144.6E	33	4.9b		
ISC	**VI**	**28 05 22 17.0**±.33	**41.56N**±.028	**142.13E**±.060	**60**		**46**	**1-6**
JMA	VI	28 05 22 16.8±.1	41.54N±.01	142.10E±.01	60±4	3.6		¶97vi4425
ISC	**VI**	**28 05 48 48**±2.7	**43.6N**±.46	**145.5E**±.30	**86**		**4**	**0-1**
JMA	VI	28 05 48 48.0±.3	43.59N±.03	145.50E±.02	86±3			¶97vi4427
ISC	Poorly determined							
ISC	**VI**	**28 12 20 26.1**±.39	**41.89N**±.033	**142.25E**±.055	**44**±32		**40**	**0-4**
JMA	VI	28 12 20 25.8±.0	41.88N±.01	142.22E±.01	50±2	3.2		¶97vi4474
ISC	**VI**	**28 12 38 29**±7.0	**41.1N**±.46	**142.0E**±.62	**89**		**8**	**1-2**
JMA	VI	28 12 38 30.3±.2	41.06N±.01	141.95E±.03	89±3			¶97vi4477
ISC	**VI**	**28 23 18 59**±1.3	**41.93N**±.076	**141.6E**±.10	**84**±21		**16**	**0-3**
JMA	VI	28 23 18 58.7±.1	41.92N±.01	141.57E±.01	86±2			¶97vi4539
ISC	**VI**	**29 02 15 51**±1.1	**42.2N**±.17	**141.2E**±.13	**117**		**8**	**0-2**
JMA	VI	29 02 15 51.3±.3	42.20N±.02	141.22E±.02	117±4			¶97vi4554
ISC	**VI**	**29 05 16 11**±2.1	**43.2N**±.13	**145.6E**±.24	**23**±15		**9**	**0-2**
JMA	VI	29 05 16 08.3±.2	43.12N±.01	145.95E±.02	43±2	2.9		¶97vi4574
ISC	**VI**	**29 23 47 47**±10	**42.0N**±.17	**139.2E**±.88	**16**		**6**	**0-1**
JMA	VI	29 23 47 46.4±.5	42.02N±.02	139.14E±.04	16±3	2.9		¶97vi4685
ISC	**VI**	**30 04 14 46**±3.1	**42.9N**±.16	**144.1E**±.16	**104**±32		**12**	**0-2**
JMA	VI	30 04 14 46.3±.3	42.88N±.02	144.08E±.02	98±3			¶97vi4705
ISC	**VI**	**30 11 58 24**±4.1	**43.0N**±.18	**144.4E**±.17	**83**±43		**8**	**0-1**
JMA	VI	30 11 58 24.8±.3	42.98N±.02	144.43E±.02	73±3			¶97vi4756
ISC	**VI**	**30 14 07 11**±2.0	**42.8N**±.12	**142.90E**±.097	**106**±27		**16**	**0-2**
JMA	VI	30 14 07 11.3±.3	42.84N±.02	142.87E±.02	97±4			¶97vi4770
ISC	**VI**	**30 17 00 25**±3.0	**42.9N**±.15	**145.1E**±.21	**79**±31		**11**	**0-2**
JMA	VI	30 17 00 24.6±.2	42.92N±.01	145.08E±.01	81±2			¶97vi4793
ISC	**VI**	**30 22 21 45**±1.9	**42.6N**±.27	**142.9E**±.52	**103**		**6**	**0-1**
JMA	VI	30 22 21 44.7±.3	42.56N±.01	142.87E±.02	103±3			¶97vi4831

(225) Off coast of Hokkaido.

ISC	**I**	**22 21 43 31**±4.3	**41.9N**±.80	**148.0E**±.41	**33**	**3.5b**	**5**	**43-83**
EIDC	I	22 21 43 27.1	41.8N	147.9E	0	3.6b		¶97i3388
ISC	**II**	**13 04 40 44**±7.0	**42.9N**±.17	**146.1E**±.67	**57**±42		**21**	**1-5**
JMA	II	13 04 40 44.8±.3	42.95N±.02	145.94E±.03	57±3	3.4		¶97ii1875
ISC	**II**	**14 14 13 35**±2.1	**41.36N**±.066	**146.3E**±.23	**44**		**43**	**2-6**
JMA	II	14 14 13 37.2±.3	41.45N±.01	145.98E±.03	44	3.6		¶97ii2063

JMA	**II**	**20 14 52 47.7**±.3	**42.38N**±.02	**146.98E**±.02	**67**				¶97ii2945
ISC	**III**	**01 09 02 06**±6.4	**43.0N**±.17	**146.0E**±.61	**54**±40			**18**	**0-4**
JMA	III	01 09 02 06.3±.2	43.01N±.01	145.91E±.02	58±2	3.6			¶97iii0078
JMA	**III**	**04 05 15 46.7**±.4	**42.88N**±.02	**146.33E**±.03	**40**±4	**3.1**			¶97iii0792
ISC	**III**	**04 07 58 19**±10	**42.8N**±.32	**146.4E**±.99	**42**			**10**	**1-3**
JMA	III	04 07 58 19.7±.3	42.82N±.02	146.23E±.03	42±4	3.3			¶97iii0810
JMA	**III**	**24 22 06 35.6**±.3	**42.87N**±.02	**146.62E**±.03	**51**±4	**2.8**			¶97iii4625
ISC	**IV**	**06 05 01 38**±2.4	**42.97N**±.082	**148.1E**±.24	**72**±22	**3.6b**		**45**	**2-82**
EIDC	IV	06 05 01 21.5	41.2N	147.5E	0	3.7b			¶97iv0930
JMA	IV	06 05 01 35.0±.5	43.03N±.04	148.23E±.04	20	3.7			
NEIC	IV	06 05 01 37.4	42.19N	147.77E	100	4.2b			
NEIC	Less reliable solution.								
JMA	**IV**	**09 21 46 11.0**±.4	**42.96N**±.02	**146.19E**±.03	**45**±3	**3.1**			¶97iv1589
ISC	**IV**	**10 20 47 54**±1.9	**42.91N**±.063	**147.4E**±.20	**50**	3.9b		**41**	**1-70**
JMA	IV	10 20 47 57.9±.5	43.09N±.03	146.97E±.05	50	4.0			¶97iv1746
JMA	**IV**	**14 06 52 26.2**±.4	**42.93N**±.02	**146.25E**±.04	**41**±4	**3.1**			¶97iv2404
ISC	**IV**	**17 01 20 57**±2.6	**42.9N**±.11	**146.3E**±.28	**55**±42			**26**	**1-7**
JMA	IV	17 01 21 01.8±.3	43.00N±.02	145.79E±.03	42±3	3.4			¶97iv2830
JMA	**IV**	**18 14 20 13.9**±.4	**42.98N**±.03	**146.85E**±.04	**62**				¶97iv3089
ISC	**V**	**10 04 39 30.5**±.50	**42.72N**±.026	**146.55E**±.047	**33**±4.5	**4.8b,4.3s**		**228**	**1-152**
EIDC	V	10 04 39 27.6	42.9N	146.4E	0	4.5b,4.3L			¶97v1522
SKHL	V	10 04 39 30.0	42.7N±.10	146.4E±.10	35±1				
BJI	V	10 04 39 30.5	43.06N	146.23E	22	4.7b,4.3s			
MOS	V	10 04 39 30.6	42.8N	146.4E	33	4.9b,4.6s			
NEIC	V	10 04 39 30.9	42.90N	146.39E	33	4.9b,4.2s			
JMA	V	10 04 39 31.3±.4	42.81N±.02	146.52E±.03	44	4.5			
SKHL	K10.5. Felt I=I−II MSK at Yuzhno−Kurilsk								
ISC	**V**	**10 04 44 46.3**±.70	**42.75N**±.037	**146.54E**±.066	**37**±5.8	**4.5b,4.3s**		**138**	**1-152**
EIDC	V	10 04 44 43.5	43.1N	146.2E	0	4.3b,4.1L			¶97v1524
SKHL	V	10 04 44 46.0	42.8N±.10	146.4E±.10	35±1				
NEIC	V	10 04 44 46.3	42.95N	146.30E	33	4.8b			
MOS	V	10 04 44 46.8	43.0N	146.4E	33	4.8b			
BJI	V	10 04 44 46.9	43.04N	146.34E	33	4.7b,4.2s			
JMA	V	10 04 44 48.8±.4	42.87N±.02	146.31E±.03	45±4	4.3			
SKHL	K10.5								
ISC	**V**	**10 04 56 51**±8.2	**43.0N**±.20	**146.4E**±.82	**44**			**11**	**1-3**
JMA	V	10 04 56 48.6±.5	42.89N±.02	146.60E±.04	44	3.3			¶97v1525
ISC	**V**	**10 05 33 55**±5.6	**42.77N**±.089	**147.4E**±.59	**49**			**26**	**1-7**
JMA	V	10 05 34 04.1±.4	42.90N±.02	146.52E±.04	49	3.6			¶97v1530
JMA	**V**	**10 06 31 02.8**±.1	**42.86N**±.01	**146.53E**±.01	**42**±2	**3.2**			¶97v1536
JMA	**V**	**10 06 32 57.8**±.3	**42.96N**±.02	**146.55E**±.02	**58**±3	**3.0**			¶97v1537
ISC	**V**	**10 11 48 30**±5.6	**42.75N**±.091	**147.2E**±.60	**48**			**21**	**1-6**
JMA	V	10 11 48 35.6±.3	42.87N±.02	146.56E±.02	48±4	3.2			¶97v1593
JMA	**V**	**10 15 04 43.0**±.4	**42.92N**±.02	**146.56E**±.04	**47**	**3.3**			¶97v1622
JMA	**V**	**10 19 54 33.7**±.4	**42.91N**±.02	**146.60E**±.04	**48**	**3.0**			¶97v1657
JMA	**V**	**19 05 55 13.5**±.3	**42.93N**±.02	**147.18E**±.03	**68**				¶97v3207
JMA	**V**	**28 19 52 45.3**±.5	**42.84N**±.02	**146.82E**±.04	**42**	**3.2**			¶97v4768
JMA	**VI**	**02 22 27 19.8**±.5	**42.15N**±.03	**146.18E**±.04	**65**				¶97vi0340
JMA	**VI**	**07 20 33 29.6**±.4	**42.86N**±.02	**146.54E**±.04	**41**	**2.9**			¶97vi1142

(226) Near west coast of Honshū.

ISC	**I**	**01 04 27 04.5**±.97	**37.67N**±.057	**137.39E**±.078	**12**±9.9			**19**	**0-2**
JMA	I	01 04 27 04.7±.1	37.67N±.01	137.40E±.01	18±3	3.1			¶97i0025
ISC	**I**	**03 10 00 28**±1.1	**37.73N**±.059	**138.3E**±.11	**15**±10			**13**	**0-2**
JMA	I	03 10 00 27.7±.1	37.75N±.01	138.33E±.01	23±2	3.0			¶97i0356
ISC	**I**	**08 11 43 09**±1.2	**39.82N**±.064	**140.0E**±.16	**11**±19			**15**	**0-2**
JMA	I	08 11 43 09.3±.0	39.82N±.00	139.98E±.01	14±1	2.8			¶97i1054
ISC	**I**	**12 00 40 57**±1.4	**40.77N**±.038	**139.30E**±.098	**25**±13			**32**	**1-5**
JMA	I	12 00 40 57.0±.2	40.77N±.00	139.32E±.02	39±3	3.4			¶97i1604
ISC	**I**	**17 14 15 19**±5.8	**40.68N**±.074	**139.2E**±.32	**12**±42			**11**	**1-2**
JMA	I	17 14 15 18.7±.4	40.69N±.01	139.24E±.03	18±4	2.8			¶97i2467
ISC	**I**	**17 22 44 01**±5.5	**40.8N**±.12	**139.2E**±.52	**16**±25			**11**	**1-2**
JMA	I	17 22 44 00.8±.4	40.81N±.01	139.16E±.03	19±4	3.1			¶97i2551
ISC	**I**	**22 10 08 15**±1.0	**40.00N**±.069	**139.9E**±.14	**7**±13			**16**	**0-2**
JMA	I	22 10 08 15.1±.1	40.00N±.00	139.85E±.01	11±2	2.9			¶97i3310
ISC	**II**	**01 10 20 37**±4.7	**40.80N**±.074	**139.3E**±.34	**5**±20			**13**	**1-2**
JMA	II	01 10 20 38.4±.5	40.79N±.01	139.35E±.04	11±4	2.9			¶97ii0061
ISC	**II**	**08 04 21 57**±4.2	**38.4N**±.19	**138.0E**±.37	**16**			**11**	**0-2**
JMA	II	08 04 21 56.2±.6	38.46N±.02	138.00E±.04	16	2.9			¶97ii1091
ISC	**II**	**08 06 57 22**±1.4	**37.53N**±.069	**137.58E**±.082	**10**±14			**12**	**0-2**
JMA	II	08 06 57 22.6±.1	37.53N±.01	137.56E±.01	13±3	2.8			¶97ii1107
ISC	**II**	**10 14 12 02**±2.6	**40.75N**±.056	**139.4E**±.18	**12**±15	3.2b		**16**	**0-61**
JMA	II	10 14 12 01.6±.3	40.74N±.01	139.34E±.03	17±4	3.0			¶97ii1473
ISC	**II**	**10 23 19 56**±1.6	**40.38N**±.063	**139.1E**±.19	**37**			**13**	**1-2**
JMA	II	10 23 19 55.3±.3	40.39N±.01	139.02E±.03	37±5	3.0			¶97ii1550
ISC	**II**	**14 21 02 06**±4.5	**40.83N**±.065	**139.3E**±.23	**10**±39			**13**	**1-2**
JMA	II	14 21 02 06.3±.3	40.82N±.01	139.22E±.03	24±5	2.8			¶97ii2113
ISC	**II**	**14 21 19 36.2**±.29	**37.08N**±.026	**138.49E**±.035	**10**			**54**	**0-4**
NEIC	II	14 21 19 35.5	37.06N	138.44E	10				¶97ii2116
JMA	II	14 21 19 36.1±.0	37.05N±.00	138.50E±.01	15±2	3.4			
NEIC	Single network solution.								
ISC	**II**	**17 08 12 06**±1.1	**38.21N**±.076	**138.82E**±.091	**10**±11			**12**	**0-2**
JMA	II	17 08 12 06.1±.1	38.22N±.01	138.81E±.01	13±4	2.9			¶97ii2464
ISC	**II**	**18 05 46 03**±1.0	**37.05N**±.064	**137.1E**±.12	**9**±15			**7**	**0-1**
JMA	II	18 05 46 03.7±.1	37.05N±.01	137.10E±.02	13	2.8			¶97ii2606
ISC	**II**	**20 13 11 02**±1.5	**37.97N**±.054	**138.97E**±.072	**13**±13			**18**	**0-2**
JMA	II	20 13 11 02.0±.1	37.97N±.01	138.98E±.01	17±3	3.0			¶97ii2931
ISC	**II**	**24 16 13 35**±5.8	**40.4N**±.11	**139.2E**±.43	**4**±16			**14**	**1-2**
JMA	II	24 16 13 36.0±.3	40.39N±.01	139.26E±.03	16±3	2.9			¶97ii3503
ISC	**II**	**25 16 20 59**±5.0	**37.1N**±.24	**137.6E**±.85	**215**±34			**11**	**2-65**
JMA	II	25 16 20 52.6±.6	36.91N±.03	137.51E±.08	284				¶97ii3659
ISC	**II**	**26 11 08 35**±9.2	**40.4N**±.20	**139.3E**±.72	**8**±15			**9**	**1-2**
JMA	II	26 11 08 35.2±.4	40.42N±.01	139.35E±.03	16±3	3.0			¶97ii3784
ISC	**II**	**26 15 13 12.4**±.52	**37.25N**±.041	**138.06E**±.049	**17**±7.6			**28**	**0-2**
JMA	II	26 15 13 12.5±.0	37.25N±.01	138.09E±.01	25±2	3.1			¶97ii3812
ISC	**II**	**27 08 47 23.5**±.31	**39.80N**±.024	**139.91E**±.048	**14**	**3.6b**		**56**	**0-77**
JMA	II	27 08 47 23.4±.0	39.78N±.00	139.92E±.01	14±2	3.7			¶97ii3930
NEIC	II	27 08 47 27.0	39.70N	139.92E	57				
EIDC	II	27 08 47 29.7	39.8N	140.0E	61	3.0b			
NEIC	Less reliable solution.								
ISC	**II**	**27 08 49 47**±1.1	**39.78N**±.045	**139.96E**±.098	**10**±13			**20**	**0-2**
JMA	II	27 08 49 47.3±.1	39.77N±.00	139.92E±.01	15±2	3.0			¶97ii3932
ISC	**III**	**04 20 14 34**±7.8	**37.3N**±.24	**138.7E**±.54	**203**±61			**12**	**1-3**
JMA	III	04 20 14 34.8±.4	37.26N±.02	138.72E±.03	199±5				¶97iii0911
ISC	**III**	**05 17 35 19.9**±.59	**39.77N**±.027	**139.87E**±.054	**17**±6.1	**3.7b**,4.2s		**51**	**0-71**
JMA	III	05 17 35 20.1±.0	39.78N±.00	139.92E±.01	16±1	3.8			¶97iii1108
EIDC	III	05 17 35 20.6	39.6N	140.0E	16	3.5b,3.1L			
NEIC	III	05 17 35 22.5	39.63N	139.79E	47	4.6b,4.1s			
NEIC	Less reliable solution.								
ISC	**III**	**06 01 38 49**±1.6	**38.48N**±.076	**138.5E**±.11	**11**±10			**18**	**0-2**
JMA	III	06 01 38 50.2±.3	38.44N±.02	138.55E±.02	25±5	3.1			¶97iii1162
ISC	**III**	**06 02 35 32**±4.1	**38.4N**±.25	**138.4E**±.37	**7**			**6**	**1-2**
JMA	III	06 02 35 31.7±.5	38.37N±.03	138.45E±.04	7	2.8			¶97iii1174
ISC	**III**	**06 06 50 46.6**±.62	**40.73N**±.021	**139.44E**±.029	**31**±5.1	**4.8b,4.4s**		**258**	**0-157**
JMA	III	06 06 50 45.0±.1	40.72N±.00	139.38E±.01	36±3	4.5			¶97iii1219
BJI	III	06 06 50 46.9	40.96N	139.48E	45	4.6b,4.5s			
NEIC	III	06 06 50 47.9	40.65N	139.37E	47	4.9b			
MOS	III	06 06 50 48.0	40.7N	139.3E	48	5.0b			
EIDC	III	06 06 50 49.6	40.7N	139.4E	49	4.4b,4.1s			
ISC	**III**	**06 07 08 42**±2.2	**40.75N**±.066	**139.4E**±.23	**16**±16			**19**	**1-3**
JMA	III	06 07 08 42.0±.3	40.77N±.01	139.37E±.03	22±4	3.0			¶97iii1221
JMA	**III**	**07 05 34 07.7**±.4	**40.80N**±.02	**139.41E**±.04	**16**	**2.9**			¶97iii1449
ISC	**III**	**09 22 52 37**±2.1	**40.40N**±.090	**139.7E**±.34	**217**±18			**25**	**1-5**
JMA	III	09 22 52 37.1±.3	40.42N±.01	139.67E±.05	207±4				¶97iii2104
ISC	**III**	**11 22 05 54**±1.1	**37.77N**±.062	**138.15E**±.064	**11**±11			**18**	**0-2**
JMA	III	11 22 05 54.6±.1	37.80N±.01	138.14E±.01	25±2	3.0			¶97iii2448
ISC	**III**	**12 20 46 20.9**±.81	**37.30N**±.043	**138.62E**±.052	**9**±8.1			**22**	**0-2**
JMA	III	12 20 46 21.1±.0	37.30N±.00	138.62E±.01	10±2	2.8			¶97iii2584
ISC	**III**	**13 04 18 01**±1.3	**39.07N**±.052	**139.63E**±.082	**3**±9.4			**23**	**0-2**
JMA	III	13 04 18 01.0±.0	39.07N±.00	139.60E±.01	7±2	2.8			¶97iii2644
ISC	**III**	**15 23 27 10.8**±.95	**37.68N**±.073	**137.38E**±.086	**15**			**11**	**0-2**
JMA	III	15 23 27 11.0±.1	37.68N±.01	137.39E±.01	15±3	2.8			¶97iii3126
ISC	**III**	**16 08 07 11.0**±.88	**38.40N**±.069	**139.23E**±.085	**14**±7.9			**18**	**0-2**
JMA	III	16 08 07 11.2±.1	38.39N±.01	139.24E±.01	15±2	2.8			¶97iii3195
ISC	**III**	**18 23 08 02**±3.6	**40.61N**±.096	**139.1E**±.39	**39**			**12**	**1-2**
JMA	III	18 23 08 02.4±.2	40.61N±.01	139.20E±.02	39±4	3.0			¶97iii3601
ISC	**III**	**18 23 16 29**±1.1	**37.67N**±.089	**137.4E**±.14	**13**±15			**11**	**0-2**
JMA	III	18 23 16 29.6±.1	37.66N±.01	137.37E±.01	18±3	2.8			¶97iii3603
ISC	**III**	**21 15 43 55**±2.0	**38.7N**±.10	**140.0E**±.35	**139**			**14**	**0-2**
JMA	III	21 15 43 55.2±.3	38.73N±.01	139.99E±.02	139±3				¶97iii4094
ISC	**III**	**21 21 04 12.1**±.61	**37.27N**±.053	**137.99E**±.065	**21**±10			**18**	**0-2**
JMA	III	21 21 04 12.3±.1	37.26N±.01	137.99E±.01	26±2	2.8			¶97iii4137
ISC	**III**	**25 22 09 43.4**±.93	**37.52N**±.038	**138.36E**±.045	**12**±8.1			**31**	**0-2**
JMA	III	25 22 09 43.8±.0	37.50N±.00	138.39E±.00	22±1	3.5			¶97iii4803
ISC	**III**	**25 23 27 57**±2.3	**40.00N**±.061	**139.8E**±.16	**10**±15			**16**	**1-3**
JMA	III	25 23 27 58.0±.2	40.01N±.01	139.79E±.02	19±3	3.2			¶97iii4811
ISC	**IV**	**02 02 28 30**±4.4	**40.41N**±.094	**139.1E**±.39	**20**±20			**9**	**1-2**
JMA	IV	02 02 28 28.4±.4	40.40N±.01	138.90E±.03	17	2.9			¶97iv0174
ISC	**IV**	**04 07 27 02**±1.0	**38.19N**±.069	**138.78E**±.080	**8**±9.0			**20**	**0-2**
JMA	IV	04 07 27 02.4±.1	38.23N±.01	138.74E±.01	22±3	3.1			¶97iv0564
ISC	**IV**	**05 06 47 52.8**±.79	**37.57N**±.036	**137.87E**±.042	**8**±6.8	3.2b		**42**	**0-51**
JMA	IV	05 06 47 53.7±.0	37.56N±.00	137.86E±.01	25±2	3.5			¶97iv0715
NEIC	IV	05 06 47 54.1	37.54N	137.82E	33				
EIDC	IV	05 06 47 54.9	37.3N	137.7E	0	2.4L,3.1b			
NEIC	Less reliable solution.								
ISC	**IV**	**08 15 22 42.8**±.58	**37.70N**±.049	**138.27E**±.060	**26**			**26**	**0-2**
JMA	IV	08 15 22 42.4±.0	37.71N±.00	138.30E±.01	26±2	3.1			¶97iv1354
ISC	**IV**	**09 08 16 16**±1.2	**39.78N**±.074	**139.9E**±.18	**12**±18			**11**	**0-2**
JMA	IV	09 08 16 16.2±.0	39.78N±.00	139.94E±.01	13±2	2.8			¶97iv1482
ISC	**IV**	**09 08 35 52**±1.6	**40.14N**±.054	**139.6E**±.15	**12**±9.4			**18**	**0-2**
JMA	IV	09 08 35 52.2±.2	40.12N±.01	139.67E±.02	18±3	3.4			¶97iv1485
ISC	**IV**	**14 14 00 25**±1.1	**37.72N**±.061	**138.41E**±.098	**15**±11			**12**	**0-2**
JMA	IV	14 14 00 25.5±.1	37.73N±.01	138.42E±.01	24±2	2.8			¶97iv2469
ISC	**IV**	**15 14 07 23**±1.3	**38.68N**±.075	**139.1E**±.11	**19**±12			**23**	**0-2**
JMA	IV	15 14 07 22.8±.2	38.68N±.01	139.04E±.01	22±2	2.9			¶97iv2609
ISC	**IV**	**16 01 44 22**±4.5	**40.2N**±.13	**139.9E**±.75	**205**			**11**	**1-5**
JMA	IV	16 01 44 22.3±.3	40.21N±.02	139.94E±.05	205				¶97iv2675
ISC	**IV**	**16 04 50 34.7**±.37	**37.01N**±.032	**138.73E**±.046	**11**			**32**	**0-3**
JMA	IV	16 04 50 34.2±.0	36.99N±.00	138.73E±.00	11±2	3.2			¶97iv2693
ISC	**IV**	**16 04 55 14**±2.2	**38.76N**±.093	**139.4E**±.27	**224**±19			**25**	**1-7**
JMA	IV	16 04 55 16.7±.3	38.76N±.01	139.46E±.03	199±4				¶97iv2695
ISC	**IV**	**16 09 03 28**±1.1	**37.62N**±.070	**137.43E**±.091	**11**±11			**13**	**0-2**
JMA	IV	16 09 03 28.1±.1	37.62N±.01	137.42E±.01	14±2	2.8			¶97iv2729
ISC	**IV**	**18 13 03 38.3**±.80	**37.20N**±.041	**138.24E**±.049	**13**±7.9			**23**	**0-2**
JMA	IV	18 13 03 38.5±.0	37.19N±.00	138.24E±.01	16±2	3.0			¶97iv3082
ISC	**IV**	**18 21 06 43**±1.3	**40.40N**±.050	**139.1E**±.17	**43**			**23**	**1-2**
JMA	IV	18 21 06 42.2±.1	40.41N±.00	139.16E±.02	43±3	3.2			¶97iv3119
ISC	**IV**	**19 05 32 42.0**±.67	**37.77N**±.059	**138.26E**±.069	**19**±11			**20**	**0-2**
JMA	IV	19 05 32 42.2±.0	37.77N±.00	138.26E±.00	27±1	2.9			¶97iv3162
ISC	**IV**	**21 04 41 10**±10	**40.0N**±.21	**139.1E**±.98	**27**			**5**	**1-2**
JMA	IV	21 04 41 08.0±.4	40.06N±.01	138.88E±.04	27	2.8			¶97iv3406
ISC	**IV**	**22 09 12 09**±2.2	**40.71N**±.060	**139.4E**±.22	**23**±15			**13**	**0-2**
JMA	IV	22 09 12 08.8±.2	40.71N±.01	139.40E±.02	29±3	3.2			¶97iv3681
ISC	**IV**	**23 11 58 00**±3.8	**37.1N**±.15	**136.8E**±.53	**289**			**15**	**1-5**
JMA	IV	23 11 57 58.9±.5	37.15N±.03	136.65E±.07	289				¶97iv3953
ISC	**IV**	**25 05 10 48.9**±.70	**37.57N**±.066	**137.91E**±.064	**18**±12			**14**	**0-2**
JMA	IV	25 05 10 49.2±.1	37.56N±.01	137.90E±.01	24±3	3.0			¶97iv4288
ISC	**IV**	**25 05 26 52**±1.4	**37.63N**±.075	**138.2E**±.15	**17**±17			**11**	**0-2**
JMA	IV	25 05 26 51.9±.2	37.63N±.01	138.14E±.02	25±3	2.8			¶97iv4291
ISC	**IV**	**25 14 32 49.4**±.27	**37.11N**±.038	**137.12E**±.044	**273**±4.4	**3.4b**		**107**	**0-73**
NEIC	IV	25 14 32 49.4	37.17N	137.29E	274	3.5b			¶97iv4357
JMA	IV	25 14 32 50.0±.1	37.09N±.01	137.07E±.01	268±2				
EIDC	IV	25 14 32 50.4	37.2N	137.3E	267	3.1b			
NEIC	Less reliable solution.								
ISC	**IV**	**26 11 42 41.5**±.91	**37.61N**±.051	**137.30E**±.066	**11**±8.2			**26**	**0-3**
JMA	IV	26 11 42 41.7±.1	37.60N±.01	137.30E±.01	16±2	3.0			¶97iv4541
JMA	**IV**	**29 16 11 50.4**±.4	**40.84N**±.02	**139.22E**±.04	**10**±5	**2.9**			¶97iv5099
ISC	**V**	**02 06 44 07**±5.0	**40.4N**±.17	**139.5E**±.46	**16**±21			**8**	**0-2**
JMA	V	02 06 44 05.7±.4	40.38N±.01	139.38E±.04	18±4	3.0			¶97v0219
ISC	**V**	**04 15 48 05**±1.1	**36.1N**±.12	**137.00E**±.098	**286**±14			**42**	**0-9**
JMA	V	04 15 48 05.5±.3	36.07N±.02	137.00E±.02	284±3				¶97v0660
JMA	**V**	**05 02 55 23.4**±.3	**39.61N**±.01	**139.28E**±.02	**8**	**2.9**			¶97v0733
ISC	**V**	**06 22 22 44**±3.1	**37.1N**±.21	**137.5E**±.44	**250**			**9**	**1-4**
JMA	V	06 22 22 44.3±.2	37.13N±.02	137.49E±.04	250				¶97v1020
JMA	**V**	**07 02 15 52.0**±.3	**40.57N**±.04	**139.19E**±.05	**249**				¶97v1043
ISC	**V**	**08 09 41 30**±2.7	**38.3N**±.13	**138.3E**±.22	**11**±13			**16**	**0-2**
JMA	V	08 09 41 28.8±.3	38.37N±.01	138.21E±.03	17±4	3.0			¶97v1216
JMA	**V**	**08 09 54 19.1**±.6	**40.78N**±.03	**139.23E**±.05	**30**	**2.8**			¶97v1219
ISC	**V**	**12 09 38 01**±5.8	**40.73N**±.072	**139.4E**±.25	**12**±47			**15**	**0-2**
JMA	V	12 09 38 01.9±.3	40.75N±.01	139.40E±.02	19±3	2.8			¶97v1931
ISC	**V**	**13 04 52 02**±1.1	**37.64N**±.090	**137.4E**±.12	**16**±17			**10**	**0-2**
JMA	V	13 04 52 02.2±.1	37.64N±.01	137.39E±.01	16±2	3.1			¶97v2130
ISC	**V**	**17 13 02 23**±7.4	**40.4N**±.18	**139.4E**±.69	**19**			**6**	**1-2**
JMA	V	17 13 02 19.5±.4	40.44N±.01	139.12E±.03	19±4	2.8			¶97v2933
ISC	**V**	**18 13 03 49.8**±.90	**39.90N**±.037	**139.78E**±.080	**12**±6.8			**27**	**0-3**
JMA	V	18 13 03 49.8±.0	39.88N±.00	139.77E±.01	13±1	3.3			¶97v3084
ISC	**V**	**18 23 08 35**±3.2	**37.5N**±.13	**138.3E**±.23	**229**±36			**19**	**0-4**
JMA	V	18 23 08 35.2±.3	37.48N±.02	138.30E±.03	225±4				¶97v3159
ISC	**V**	**22 19 55 59**±5.9	**38.5N**±.11	**139.7E**±.53	**151**±47			**13**	**1-2**
JMA	V	22 19 55 59.0±.2	38.55N±.01	139.57E±.04	148				¶97v3829

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**24 19 50 35**±1.1	**37.67N**±.041	**137.42E**±.050	**6**±9.3		**38**	**0-4**
JMA	V	24 19 50 35.0±.1	37.66N±.01	137.39E±.01	19±2	3.2		¶97v4162
ISC	**V**	**24 19 51 33.0**±.98	**37.66N**±.045	**137.38E**±.074	**10**±9.8		**34**	**0-4**
JMA	V	24 19 51 33.1±.1	37.67N±.01	137.38E±.01	18±3	3.3		¶97v4163
ISC	**V**	**24 19 53 29.9**±.98	**37.65N**±.045	**137.42E**±.059	**10**±9.0		**31**	**0-4**
JMA	V	24 19 53 30.2±.1	37.67N±.01	137.38E±.01	20±2	3.0		¶97v4164
ISC	**V**	**27 13 42 59**±1.2	**37.39N**±.073	**138.4E**±.12	**230**±12		**47**	**0-8**
JMA	V	27 13 43 02.9±.3	37.38N±.01	138.51E±.02	195±3			¶97v4578
ISC	**V**	**30 08 15 31**±1.0	**37.34N**±.046	**137.99E**±.061	**6**±9.7		**21**	**0-2**
JMA	V	30 08 15 31.7±.1	37.33N±.00	138.00E±.01	12±2	2.9		¶97v5002
ISC	**VI**	**03 08 45 58**±1.1	**40.35N**±.043	**139.2E**±.14	**41**		**24**	**1-3**
JMA	VI	03 08 45 57.5±.1	40.34N±.00	139.15E±.01	41±2	3.2		¶97vi0409
ISC	**VI**	**04 09 18 05**±4.7	**40.81N**±.078	**139.2E**±.34	**8**±22		**10**	**1-2**
JMA	VI	04 09 18 05.9±.4	40.82N±.01	139.27E±.04	21	2.9		¶97vi0590
ISC	**VI**	**05 18 17 58.5**±.78	**37.22N**±.033	**138.58E**±.042	**10**±7.2		**35**	**0-3**
JMA	VI	05 18 17 58.8±.0	37.21N±.00	138.58E±.01	19±2	3.1		¶97vi0815
ISC	**VI**	**12 21 42 54**±3.5	**40.7N**±.11	**139.3E**±.34	**21**±21		**10**	**1-2**
JMA	VI	12 21 42 53.0±.3	40.70N±.01	139.23E±.02	28±4	2.9		¶97vi1902
ISC	**VI**	**13 14 22 06**±5.2	**40.23N**±.090	**139.4E**±.50	**19**±15		**10**	**0-2**
JMA	VI	13 14 22 05.7±.4	40.24N±.01	139.36E±.03	26±3	2.8		¶97vi2003
ISC	**VI**	**14 06 35 16**±2.5	**40.5N**±.31	**139.7E**±.50	**200**		**8**	**0-2**
JMA	VI	14 06 35 15.8±.3	40.56N±.03	139.68E±.03	200±4			¶97vi2094
ISC	**VI**	**17 04 58 36**±1.2	**37.10N**±.057	**137.91E**±.067	**12**±12		**12**	**0-1**
JMA	VI	17 04 58 36.3±.1	37.08N±.01	137.91E±.01	13±2	2.8		¶97vi2553
ISC	**VI**	**17 09 06 03**±3.3	**40.46N**±.095	**139.2E**±.33	**15**		**9**	**1-2**
JMA	VI	17 09 06 03.4±.3	40.47N±.01	139.17E±.02	15±4	2.8		¶97vi2584
ISC	**VI**	**21 01 28 49**±2.9	**40.68N**±.089	**139.4E**±.31	**21**±20		**10**	**0-2**
JMA	VI	21 01 28 48.4±.3	40.68N±.01	139.31E±.02	20±3	3.0		¶97vi3135
ISC	**VI**	**23 07 02 35**±2.3	**40.25N**±.077	**139.1E**±.25	**21**		**18**	**1-3**
JMA	VI	23 07 02 33.9±.4	40.26N±.01	138.95E±.03	21±4	3.1		¶97vi3491
ISC	**VI**	**24 06 12 54**±1.2	**37.9N**±.14	**137.81E**±.096	**22**		**9**	**0-2**
JMA	VI	24 06 12 54.0±.1	37.92N±.02	137.82E±.01	22±3	2.8		¶97vi3655
ISC	**VI**	**27 06 00 41**±4.1	**40.4N**±.11	**139.1E**±.39	**15**		**12**	**1-2**
JMA	VI	27 06 00 38.8±.3	40.41N±.01	138.94E±.03	15±3	2.9		¶97vi4249
ISC	**VI**	**28 06 44 36**±1.5	**40.80N**±.066	**139.4E**±.21	**8**		**13**	**0-2**
JMA	VI	28 06 44 34.9±.4	40.75N±.01	139.29E±.03	8±3	2.9		¶97vi4437
ISC	**VI**	**30 10 08 10**±2.1	**39.5N**±.16	**139.7E**±.33	**188**		**15**	**0-3**
JMA	VI	30 10 08 09.7±.3	39.50N±.02	139.56E±.02	188±2			¶97vi4745

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ISC	**I**	**01 01 29 36.0**±.77	**36.39N**±.045	**139.80E**±.076	**86**±13		**29**	**0-3**
JMA	I	01 01 29 35.9±.1	36.37N±.01	139.78E±.01	87±2			¶97i0008
ISC	**I**	**01 02 38 31**±3.2	**38.6N**±.20	**141.0E**±.68	**81**		**6**	**0-1**
JMA	I	01 02 38 31.0±.2	38.65N±.01	141.04E±.03	81±2			¶97i0015
ISC	**I**	**01 08 41 35**±2.4	**36.22N**±.067	**139.6E**±.13	**100**±27		**20**	**0-2**
JMA	I	01 08 41 35.9±.1	36.20N±.01	139.56E±.01	92±2			¶97i0043
ISC	**I**	**01 10 53 08.9**±.94	**36.0N**±.18	**139.5E**±.23	**94**		**7**	**0-1**
JMA	I	01 10 53 09.0±.3	36.03N±.01	139.41E±.02	94±3			¶97i0063
ISC	**I**	**02 00 28 45**±2.2	**37.7N**±.12	**141.0E**±.26	**119**±25		**14**	**0-2**
JMA	I	02 00 28 45.1±.1	37.72N±.01	140.97E±.03	111±2			¶97i0141
ISC	**I**	**02 00 31 06**±3.0	**39.01N**±.095	**141.3E**±.16	**75**±33		**11**	**0-1**
JMA	I	02 00 31 06.3±.2	39.01N±.01	141.36E±.01	77±2			¶97i0143
ISC	**I**	**02 12 05 42.2**±.55	**35.21N**±.045	**137.87E**±.039	**43**±20		**34**	**0-3**
JMA	I	02 12 05 41.9±.0	35.22N±.01	137.87E±.00	48±1	3.4		¶97i0202
ISC	**I**	**03 08 30 52**±5.5	**36.0N**±.12	**139.0E**±.18	**143**±55		**12**	**0-1**
JMA	I	03 08 30 53.3±.2	36.00N±.01	138.99E±.01	132±2			¶97i0345
JMA	**I**	**03 15 42 43.6**±.4	**36.19N**±.03	**139.87E**±.03	**112**±4			¶97i0397
ISC	**I**	**04 02 24 01.4**±.85	**39.3N**±.15	**141.3E**±.21	**80**		**7**	**0-1**
JMA	I	04 02 24 01.4±.3	39.33N±.01	141.28E±.02	80±2			¶97i0462
ISC	**I**	**04 13 55 07**±1.3	**36.18N**±.093	**137.25E**±.082	**265**±15		**43**	**0-5**
JMA	I	04 13 55 07.6±.2	36.17N±.01	137.25E±.01	261±2			¶97i0543
ISC	**I**	**04 17 09 36.6**±.38	**35.92N**±.035	**137.65E**±.038	**13**		**32**	**0-2**
JMA	I	04 17 09 36.2±.0	35.90N±.00	137.63E±.01	13±2	2.8		¶97i0561
JMA	**I**	**04 18 37 11.8**±.2	**39.21N**±.01	**141.46E**±.02	**69**±2			¶97i0571
JMA	**I**	**06 04 32 23.4**±.3	**36.01N**±.02	**139.97E**±.02	**100**±3			¶97i0749
ISC	**I**	**06 06 07 06.2**±.62	**37.81N**±.028	**139.63E**±.042	**2**±6.3		**38**	**0-3**
NEIC	I	06 06 07 06.6	37.78N	139.65E	10			¶97i0754
JMA	I	06 06 07 06.8±.1	37.81N±.00	139.63E±.01	9±2	3.5		
NEIC	Single network solution.							
ISC	**I**	**06 14 29 47**±1.5	**35.87N**±.069	**138.98E**±.082	**134**±18		**27**	**0-4**
JMA	I	06 14 29 47.5±.2	35.86N±.01	138.97E±.01	128±2			¶97i0797
ISC	**I**	**06 18 57 58.2**±.84	**36.10N**±.035	**139.89E**±.058	**48**±30		**28**	**0-2**
JMA	I	06 18 57 57.9±.1	36.09N±.01	139.89E±.01	49±2	3.1		¶97i0824
NEIC	I	06 18 57 58.5	36.13N	139.89E	33			
NEIC	Single network solution.							
ISC	**I**	**07 00 07 00**±1.9	**35.5N**±.11	**137.42E**±.095	**64**±24		**12**	**0-2**
JMA	I	07 00 07 00.0±.2	35.51N±.02	137.41E±.02	65±3			¶97i0854
JMA	**I**	**07 04 55 44.0**±.3	**35.73N**±.05	**137.99E**±.04	**242**			¶97i0881
ISC	**I**	**07 14 43 09.5**±.70	**36.10N**±.051	**139.90E**±.066	**37**±53		**22**	**0-3**
JMA	I	07 14 43 09.3±.1	36.10N±.01	139.88E±.01	44±2	2.8		¶97i0934
ISC	**I**	**09 12 29 35.5**±.76	**37.81N**±.044	**140.78E**±.099	**83**±12		**30**	**0-3**
JMA	I	09 12 29 35.2±.1	37.80N±.00	140.79E±.01	86±1			¶97i1215
ISC	**I**	**10 07 33 42**±3.9	**39.6N**±.13	**141.6E**±.24	**80**±36		**10**	**0-1**
JMA	I	10 07 33 42.0±.2	39.59N±.01	141.65E±.02	76±2			¶97i1329
JMA	**I**	**10 10 51 23.2**±.3	**36.12N**±.02	**139.97E**±.02	**67**±3			¶97i1349
ISC	**I**	**10 13 16 01**±5.8	**39.5N**±.13	**141.3E**±.20	**86**±53		**9**	**0-1**
JMA	I	10 13 16 01.2±.1	39.53N±.01	141.36E±.01	86±1			¶97i1367
ISC	**I**	**10 17 50 42**±1.8	**39.4N**±.18	**140.4E**±.31	**132**		**9**	**0-1**
JMA	I	10 17 50 41.7±.1	39.40N±.01	140.39E±.01	132±2			¶97i1400
ISC	**I**	**10 17 54 19**±3.7	**36.00N**±.084	**139.5E**±.14	**110**±39		**14**	**0-1**
JMA	I	10 17 54 19.8±.2	36.00N±.01	139.49E±.01	97±2			¶97i1402
ISC	**I**	**10 20 42 06.7**±.82	**37.25N**±.082	**140.8E**±.15	**90**		**16**	**0-2**
JMA	I	10 20 42 06.3±.2	37.23N±.01	140.87E±.02	90±2			¶97i1423
ISC	**I**	**11 03 59 46**±5.4	**39.1N**±.12	**141.3E**±.22	**76**±55		**8**	**0-1**
JMA	I	11 03 59 45.9±.3	39.12N±.01	141.35E±.02	72±3			¶97i1457
ISC	**I**	**11 06 47 09**±3.0	**39.38N**±.094	**141.1E**±.21	**134**±31		**16**	**0-2**
JMA	I	11 06 47 10.1±.2	39.36N±.01	141.09E±.02	130±2			¶97i1480
ISC	**I**	**11 15 34 58**±1.6	**39.11N**±.062	**141.8E**±.18	**66**±18		**18**	**0-3**
JMA	I	11 15 34 58.8±.1	39.12N±.01	141.80E±.02	63±2			¶97i1540
ISC	**I**	**12 16 19 18**±4.8	**37.7N**±.16	**140.9E**±.83	**70**±54		**6**	**0-1**
JMA	I	12 16 19 17.2±.2	37.72N±.01	140.86E±.05	76±2			¶97i1710
ISC	**I**	**13 08 38 38**±2.0	**36.14N**±.056	**139.80E**±.087	**112**±26		**26**	**0-2**
JMA	I	13 08 38 37.8±.1	36.13N±.01	139.80E±.01	112±2			¶97i1808
ISC	**I**	**13 15 16 38.9**±.96	**39.6N**±.14	**141.6E**±.26	**68**		**8**	**0-1**
JMA	I	13 15 16 38.9±.1	39.63N±.00	141.66E±.01	68±1			¶97i1857
ISC	**I**	**14 04 57 00**±1.4	**37.43N**±.080	**140.7E**±.13	**82**±16		**22**	**0-3**
JMA	I	14 04 56 59.9±.2	37.41N±.01	140.79E±.02	85±2			¶97i1955
JMA	**I**	**14 06 19 26.3**±.1	**36.44N**±.01	**138.06E**±.01	**8**±2	**2.8**		¶97i1963
ISC	**I**	**14 12 52 45.0**±.84	**39.7N**±.14	**140.9E**±.24	**139**		**12**	**0-2**
JMA	I	14 12 52 45.3±.2	39.66N±.01	140.91E±.02	139±2			¶97i1994
ISC	**I**	**14 15 07 23**±1.0	**38.51N**±.054	**140.7E**±.13	**99**±15		**26**	**0-3**
JMA	I	14 15 07 23.5±.1	38.50N±.00	140.72E±.01	98±1			¶97i2012
JMA	**I**	**15 13 42 05.6**±.3	**36.38N**±.02	**139.36E**±.02	**124**±2			¶97i2162
JMA	**I**	**15 14 49 34.2**±.2	**36.34N**±.01	**139.91E**±.01	**66**±2			¶97i2169
ISC	**I**	**16 01 47 43**±6.2	**38.6N**±.12	**140.4E**±.42	**159**±58		**12**	**0-2**
JMA	I	16 01 47 44.5±.3	38.57N±.01	140.49E±.03	143±4			¶97i2239
ISC	**I**	**16 06 57 51.2**±.64	**37.24N**±.044	**139.09E**±.054	**11**±6.9		**19**	**0-2**
JMA	I	16 06 57 51.6±.1	37.24N±.01	139.09E±.01	11±2	2.8		¶97i2266
ISC	**I**	**16 14 32 41**±2.0	**36.2N**±.21	**139.8E**±.15	**33**		**5**	**1-2**
NEIC	I	16 14 32 40.5	36.18N	139.83E	33			¶97i2322
NEIC	Single network solution.							
ISC	**I**	**16 21 57 18**±5.7	**35.7N**±.24	**137.3E**±.24	**280**±51		**17**	**0-3**
JMA	I	16 21 57 18.9±.4	35.74N±.03	137.27E±.02	273±4			¶97i2364
ISC	**I**	**17 02 39 49**±3.6	**37.8N**±.13	**140.9E**±.28	**120**±37		**10**	**0-2**
JMA	I	17 02 39 49.9±.3	37.74N±.02	140.92E±.04	111±3			¶97i2393
ISC	**I**	**17 07 23 20**±1.3	**36.0N**±.39	**138.2E**±.32	**199**		**7**	**0-2**
JMA	I	17 07 23 20.2±.4	35.99N±.04	138.24E±.03	199±3			¶97i2416
ISC	**I**	**17 11 12 20**±3.5	**36.9N**±.12	**139.7E**±.14	**116**±38		**11**	**0-2**
JMA	I	17 11 12 20.6±.1	36.88N±.01	139.74E±.01	110±2			¶97i2435
ISC	**I**	**17 20 25 10**±4.8	**36.2N**±.13	**138.6E**±.14	**148**±48		**13**	**0-2**
JMA	I	17 20 25 09.8±.2	36.19N±.01	138.63E±.01	153±2			¶97i2527
ISC	**I**	**18 09 31 54**±1.5	**36.3N**±.45	**138.8E**±.28	**143**		**4**	**1-2**
JMA	I	18 09 31 54.4±.5	36.20N±.04	138.79E±.03	143±4			¶97i2641
ISC	Poorly determined							
ISC	**I**	**18 18 04 43.5**±.66	**36.12N**±.036	**139.86E**±.058	**50**±21		**32**	**0-4**
JMA	I	18 18 04 43.3±.1	36.11N±.01	139.87E±.01	49±2	3.0		¶97i2695
ISC	**I**	**19 04 15 18.8**±.84	**39.1N**±.13	**140.7E**±.22	**132**		**12**	**0-1**
JMA	I	19 04 15 18.8±.2	39.07N±.01	140.74E±.02	132±2			¶97i2778
ISC	**I**	**19 05 39 02**±2.7	**37.9N**±.13	**140.7E**±.32	**119**±29		**12**	**0-2**
JMA	I	19 05 39 01.5±.2	37.85N±.01	140.71E±.04	123±2			¶97i2791
ISC	**I**	**19 10 59 17**±3.3	**36.0N**±.14	**139.8E**±.19	**80**±41		**9**	**0-1**
JMA	I	19 10 59 17.9±.3	36.00N±.01	139.78E±.02	75±3			¶97i2827
ISC	**I**	**20 08 54 27**±3.8	**39.6N**±.17	**141.2E**±.17	**74**±36		**11**	**0-1**
JMA	I	20 08 54 26.6±.2	39.60N±.01	141.23E±.01	81±2			¶97i2970
ISC	**I**	**20 11 23 20**±3.3	**39.46N**±.085	**141.3E**±.16	**86**±32		**12**	**0-1**
JMA	I	20 11 23 20.0±.1	39.46N±.01	141.26E±.01	85±2			¶97i2992
JMA	**I**	**20 11 23 36.8**±.3	**39.39N**±.01	**141.77E**±.03	**99**±2			¶97i2993
ISC	**I**	**20 15 08 57**±3.7	**39.1N**±.10	**140.6E**±.21	**142**±38		**15**	**0-2**
JMA	I	20 15 08 57.8±.2	39.14N±.01	140.60E±.02	139±2			¶97i3025
ISC	**I**	**20 20 40 07**±1.8	**36.40N**±.086	**139.4E**±.13	**161**±19		**27**	**0-4**
JMA	I	20 20 40 09.0±.2	36.40N±.01	139.40E±.01	141±2			¶97i3079
ISC	**I**	**21 05 03 12.8**±.62	**37.05N**±.033	**139.37E**±.041	**4**±7.0		**27**	**0-2**
JMA	I	21 05 03 13.4±.1	37.04N±.00	139.38E±.00	10±2	3.2		¶97i3139
ISC	**I**	**21 13 25 52**±1.6	**36.1N**±.23	**139.7E**±.26	**83**		**4**	**0-1**
JMA	I	21 13 25 52.1±.2	36.10N±.01	139.70E±.01	83±2			¶97i3184
ISC	Poorly determined							
ISC	**I**	**21 23 34 03**±2.8	**36.3N**±.13	**137.0E**±.21	**277**±26		**24**	**0-5**
JMA	I	21 23 34 03.6±.5	36.27N±.02	137.03E±.03	274±5			¶97i3244
JMA	**I**	**21 23 51 25.2**±.3	**36.20N**±.02	**139.55E**±.02	**120**±3			¶97i3246
ISC	**I**	**22 10 10 33.7**±.54	**39.06N**±.089	**141.0E**±.20	**130**		**15**	**0-2**
JMA	I	22 10 10 33.6±.1	39.06N±.01	141.00E±.02	130±1			¶97i3311
JMA	**I**	**23 00 58 28.8**±.2	**38.15N**±.03	**140.36E**±.05	**109**			¶97i3415
ISC	**I**	**23 05 54 13.6**±.74	**36.61N**±.038	**139.45E**±.046	**7**±7.3		**26**	**0-2**
JMA	I	23 05 54 13.9±.0	36.60N±.00	139.43E±.00	10±1	3.3		¶97i3443
ISC	**I**	**23 16 28 10.5**±.80	**37.61N**±.048	**140.5E**±.10	**94**±12		**30**	**0-3**
JMA	I	23 16 28 10.4±.1	37.59N±.00	140.56E±.01	93±2			¶97i3527
ISC	**I**	**23 23 42 40**±3.7	**39.6N**±.27	**140.1E**±.56	**153**		**7**	**0-1**
JMA	I	23 23 42 40.5±.2	39.55N±.02	140.15E±.03	153±3			¶97i3566
JMA	**I**	**24 03 57 12.1**±.3	**35.16N**±.03	**138.83E**±.04	**158**			¶97i3590
ISC	**I**	**24 22 12 54**±2.4	**35.7N**±.10	**139.0E**±.11	**136**±27		**15**	**0-3**
JMA	I	24 22 12 54.4±.1	35.74N±.01	138.98E±.01	136±1			¶97i3694
ISC	**I**	**24 23 06 13**±2.1	**36.0N**±.23	**139.8E**±.23	**69**		**6**	**0-1**
JMA	I	24 23 06 13.2±.4	36.01N±.02	139.80E±.02	69±4			¶97i3701
ISC	Poorly determined							
ISC	**I**	**25 04 23 45.2**±.45	**39.85N**±.035	**140.96E**±.058	**15**		**21**	**0-2**
JMA	I	25 04 23 44.8±.0	39.84N±.00	140.93E±.01	15±2	3.0		¶97i3738
ISC	**I**	**25 09 46 48**±4.3	**38.0N**±.14	**140.9E**±.34	**83**±46		**8**	**0-1**
JMA	I	25 09 46 48.1±.1	38.01N±.00	140.92E±.01	82±1			¶97i3783
ISC	**I**	**25 19 14 19**±2.0	**39.52N**±.070	**141.3E**±.15	**86**±21		**15**	**0-2**
JMA	I	25 19 14 19.1±.1	39.53N±.00	141.29E±.01	86±1			¶97i3843
ISC	**I**	**26 12 01 51.8**±.84	**39.77N**±.045	**141.8E**±.13	**61**±12		**27**	**0-5**
JMA	I	26 12 01 51.7±.1	39.75N±.01	141.82E±.01	61±1	3.4		¶97i3941
ISC	**I**	**27 02 06 38.6**±.32	**36.22N**±.060	**137.25E**±.057	**265**±4.6	**3.4b**	**72**	**0-93**
JMA	I	27 02 06 39.5±.2	36.19N±.02	137.24E±.01	259±2			¶97i4034
NEIC	I	27 02 06 44.6	36.73N	134.75E	366			
EIDC	I	27 02 06 45.9	36.7N	134.8E	359	3.2b		
NEIC	Single network solution.							
ISC	**I**	**27 09 40 24.5**±.88	**39.4N**±.17	**141.3E**±.20	**79**		**9**	**0-1**
JMA	I	27 09 40 24.4±.3	39.39N±.01	141.30E±.01	79±2			¶97i4072
ISC	**I**	**27 22 59 37.4**±.61	**39.43N**±.041	**141.4E**±.11	**137**±9.5		**39**	**0-5**
JMA	I	27 22 59 39.4±.1	39.42N±.01	141.27E±.01	119±1			¶97i4138
ISC	**I**	**28 02 57 28**±1.3	**36.84N**±.069	**139.2E**±.11	**143**±16		**26**	**0-4**
JMA	I	28 02 57 28.3±.2	36.83N±.01	139.23E±.01	144±2			¶97i4162
ISC	**I**	**28 08 05 06**±1.4	**40.0N**±.17	**141.5E**±.21	**73**		**8**	**0-1**
JMA	I	28 08 05 06.4±.1	39.96N±.01	141.48E±.01	73±1			¶97i4182
ISC	**I**	**28 12 40 59.9**±.36	**35.79N**±.032	**137.36E**±.036	**10**		**39**	**0-3**
JMA	I	28 12 40 59.6±.0	35.78N±.00	137.36E±.00	10±2	3.2		¶97i4211
JMA	**I**	**28 21 38 02.3**±.5	**37.29N**±.03	**139.19E**±.04	**173**±5			¶97i4264
ISC	**I**	**29 14 06 43**±2.3	**39.22N**±.087	**141.2E**±.18	**80**±26		**12**	**0-2**
JMA	I	29 14 06 42.9±.1	39.23N±.00	141.22E±.01	77±1			¶97i4360
ISC	**I**	**29 17 02 30**±1.8	**36.6N**±.11	**139.5E**±.13	**118**±22		**16**	**0-3**
JMA	I	29 17 02 31.4±.1	36.57N±.01	139.52E±.01	109±2			¶97i4377
ISC	**I**	**29 17 39 25**±4.8	**37.6N**±.13	**139.8E**±.99	**171**		**10**	**1-2**
JMA	I	29 17 39 24.2±.2	37.56N±.01	139.74E±.05	171			¶97i4381
ISC	**I**	**29 22 29 54**±1.3	**36.4N**±.24	**139.8E**±.22	**73**		**4**	**0-1**
JMA	I	29 22 29 53.7±.1	36.38N±.01	139.81E±.01	73±2			¶97i4408
ISC	Poorly determined							
JMA	**I**	**31 05 10 20.8**±.4	**36.44N**±.03	**139.23E**±.04	**110**±4			¶97i4589
ISC	**I**	**31 10 43 00.1**±.40	**36.06N**±.035	**139.94E**±.056	**48**		**30**	**1-3**
JMA	I	31 10 42 59.9±.1	36.05N±.01	139.92E±.01	48±3	2.9		¶97i4614
NEIC	I	31 10 43 00.7	36.11N	139.90E	33			
NEIC	Single network solution.							
ISC	**I**	**31 15 46 36**±5.6	**36.1N**±.11	**139.4E**±.16	**108**±60		**10**	**0-1**
JMA	I	31 15 46 37.5±.2	36.04N±.01	139.43E±.01	96±2			¶97i4644
ISC	**I**	**31 19 13 00**±1.4	**38.53N**±.057	**141.0E**±.14	**83**±19		**17**	**0-2**
JMA	I	31 19 12 59.5±.1	38.53N±.00	141.00E±.01	84±1			¶97i4663
ISC	**II**	**01 07 03 41**±2.0	**36.1N**±.23	**140.0E**±.22	**64**		**4**	**0-1**
JMA	II	01 07 03 41.2±.2	36.15N±.01	139.94E±.01	64±2			¶97ii0037
ISC	Poorly determined							

ISC	**II**	**01 20 52 15.7**±.48	**38.85N**±.044	**140.6E**±.11	**150**±7.9		**50**	**0-6**
JMA	II	01 20 52 17.6±.1	38.86N±.01	140.48E±.01	127±2			¶97ii0121
ISC	**II**	**01 23 19 43**±2.1	**35.9N**±.11	**138.5E**±.11	**190**±21		**30**	**0-4**
JMA	II	01 23 19 44.6±.2	35.94N±.01	138.56E±.01	175±2			¶97ii0141
ISC	**II**	**02 01 27 58.0**±.64	**35.48N**±.027	**138.98E**±.035	**12**±6.1		**44**	**0-5**
NEIC	II	02 01 27 54.5	35.10N	138.89E	33			¶97ii0153
JMA	II	02 01 27 58.3±.0	35.50N±.00	138.96E±.01	20±2	3.2		
NEIC	Poor solution.							
ISC	**II**	**02 10 38 53**±1.4	**36.4N**±.42	**139.8E**±.32	**87**		**4**	**0-1**
JMA	II	02 10 38 53.5±.3	36.38N±.02	139.82E±.02	87±3			¶97ii0210
ISC	Poorly determined							
ISC	**II**	**02 14 23 02**±4.3	**37.4N**±.16	**139.7E**±.23	**165**±42		**13**	**0-3**
JMA	II	02 14 23 03.0±.3	37.35N±.02	139.74E±.03	159±4			¶97ii0233
ISC	**II**	**03 04 48 05**±1.1	**37.37N**±.058	**140.3E**±.12	**94**±14		**20**	**0-3**
JMA	II	03 04 48 05.6±.2	37.34N±.01	140.33E±.02	92±2			¶97ii0321
JMA	**II**	**03 08 44 38.0**±.3	**36.24N**±.02	**139.96E**±.02	**73**±3			¶97ii0349
ISC	**II**	**03 13 59 18**±1.4	**36.2N**±.33	**139.6E**±.34	**127**		**5**	**0-1**
JMA	II	03 13 59 17.6±.3	36.14N±.02	139.63E±.02	127±3			¶97ii0383
ISC	Poorly determined							
ISC	**II**	**03 21 18 44**±1.8	**40.0N**±.21	**141.5E**±.27	**78**		**8**	**0-2**
JMA	II	03 21 18 43.6±.1	39.96N±.01	141.49E±.01	78±1			¶97ii0427
ISC	**II**	**04 16 55 26**±1.5	**37.62N**±.070	**140.8E**±.14	**85**±19		**18**	**0-2**
JMA	II	04 16 55 25.8±.1	37.60N±.01	140.77E±.02	87±2			¶97ii0564
ISC	**II**	**04 18 43 05.4**±.97	**38.86N**±.063	**140.4E**±.11	**162**±11		**40**	**0-6**
JMA	II	04 18 43 07.6±.1	38.87N±.00	140.34E±.01	137±1			¶97ii0582
ISC	**II**	**05 06 05 04**±1.5	**37.25N**±.086	**140.9E**±.16	**113**±16		**26**	**0-3**
JMA	II	05 06 05 04.7±.2	37.25N±.01	140.90E±.02	103±2			¶97ii0647
ISC	**II**	**06 05 51 13**±1.2	**36.62N**±.067	**138.54E**±.095	**161**±15		**30**	**0-4**
JMA	II	06 05 51 14.3±.2	36.57N±.01	138.59E±.01	154±2			¶97ii0802
JMA	**II**	**06 13 52 36.7**±.2	**39.03N**±.01	**141.32E**±.02	**71**±2			¶97ii0848
ISC	**II**	**07 07 33 45.1**±.54	**40.71N**±.038	**140.49E**±.081	**14**		**16**	**0-2**
JMA	II	07 07 33 45.0±.0	40.71N±.00	140.49E±.01	14±2	2.8		¶97ii0960
ISC	**II**	**07 14 26 01.8**±.95	**39.36N**±.037	**141.8E**±.11	**10**		**18**	**0-2**
JMA	II	07 14 26 01.3±.1	39.34N±.00	141.87E±.02	10±3	3.0		¶97ii0998
ISC	**II**	**08 16 19 30**±1.1	**36.3N**±.22	**139.7E**±.25	**125**		**8**	**0-2**
JMA	II	08 16 19 29.7±.2	36.29N±.01	139.72E±.02	125±2			¶97ii1168
ISC	**II**	**08 21 55 46**±2.5	**35.1N**±.20	**137.3E**±.11	**321**±25		**31**	**0-5**
JMA	II	08 21 55 45.7±.4	35.16N±.02	137.34E±.01	324±4			¶97ii1215
ISC	**II**	**09 00 56 00**±2.1	**40.08N**±.078	**140.5E**±.18	**154**±22		**26**	**1-5**
JMA	II	09 00 56 02.7±.2	40.08N±.01	140.54E±.01	131±2			¶97ii1229
ISC	**II**	**09 14 10 01.3**±.37	**36.00N**±.026	**139.94E**±.043	**59**±9.2	3.6b	**57**	**0-65**
JMA	II	09 14 10 01.2±.1	36.01N±.01	139.89E±.01	50±2	3.3		¶97ii1316
ISC	**II**	**10 00 41 58**±5.8	**36.3N**±.34	**137.3E**±.31	**274**±59		**9**	**1-3**
JMA	II	10 00 41 59.7±.2	36.30N±.05	137.35E±.04	262			¶97ii1393
ISC	**II**	**10 11 55 50**±1.5	**39.40N**±.068	**141.5E**±.15	**73**±17		**17**	**0-2**
JMA	II	10 11 55 50.4±.1	39.40N±.00	141.53E±.01	70±1			¶97ii1453
ISC	**II**	**10 13 11 06.2**±.80	**39.6N**±.12	**141.6E**±.24	**103**		**9**	**0-1**
JMA	II	10 13 11 06.1±.2	39.57N±.01	141.60E±.02	103±2			¶97ii1466
ISC	**II**	**10 18 33 08.8**±.21	**36.25N**±.020	**139.80E**±.032	**85**±3.4	**3.9b**	**143**	**0-75**
NEIC	II	10 18 33 08.0	36.13N	139.86E	81	4.0b		¶97ii1497
EIDC	II	10 18 33 08.9	36.3N	139.8E	66	3.7b		
JMA	II	10 18 33 09.5±.1	36.25N±.00	139.74E±.01	70±2	3.7		
ISC	**II**	**11 02 24 44**±5.4	**38.0N**±.26	**140.9E**±.55	**82**±58		**6**	**0-1**
JMA	II	11 02 24 43.1±.4	38.02N±.02	140.84E±.05	88±4			¶97ii1572
ISC	Poorly determined							
ISC	**II**	**11 14 02 54.2**±.73	**38.85N**±.043	**140.70E**±.060	**7**±8.7		**16**	**0-2**
JMA	II	11 14 02 54.6±.0	38.86N±.00	140.69E±.00	11±2	2.8		¶97ii1633
ISC	**II**	**12 05 31 38**±6.3	**39.2N**±.13	**141.1E**±.26	**93**±60		**7**	**0-1**
JMA	II	12 05 31 37.4±.1	39.17N±.00	141.04E±.01	95±1			¶97ii1728
ISC	**II**	**12 18 33 19**±1.5	**37.21N**±.089	**140.3E**±.15	**94**±17		**15**	**0-3**
JMA	II	12 18 33 19.1±.1	37.20N±.01	140.36E±.01	93±2			¶97ii1803
ISC	**II**	**13 10 56 10**±2.8	**39.00N**±.081	**141.4E**±.20	**83**±30		**11**	**0-1**
JMA	II	13 10 56 10.4±.1	39.00N±.01	141.40E±.02	81±2			¶97ii1904
ISC	**II**	**13 21 04 59**±5.9	**37.2N**±.14	**140.4E**±.19	**82**±64		**8**	**0-2**
JMA	II	13 21 04 57.9±.2	37.21N±.01	140.38E±.01	89±3			¶97ii1979
ISC	**II**	**14 04 25 02**±4.1	**37.3N**±.14	**140.8E**±.23	**117**±39		**11**	**0-2**
JMA	II	14 04 25 02.7±.3	37.28N±.01	140.81E±.03	105±3			¶97ii2025
ISC	**II**	**14 06 57 19**±1.6	**36.1N**±.22	**139.7E**±.26	**82**		**4**	**0-1**
JMA	II	14 06 57 18.5±.3	36.12N±.01	139.70E±.01	82±3			¶97ii2035
ISC	Poorly determined							
JMA	**II**	**14 08 48 56.4**±.3	**36.65N**±.02	**139.92E**±.02	**94**±3			¶97ii2044
ISC	**II**	**14 19 40 40.7**±.72	**36.69N**±.045	**139.46E**±.066	**123**±11		**48**	**0-4**
JMA	II	14 19 40 41.1±.1	36.68N±.01	139.45E±.01	119±2			¶97ii2104
ISC	**II**	**15 02 23 44.7**±.36	**36.10N**±.032	**139.86E**±.049	**51**		**40**	**0-4**
JMA	II	15 02 23 44.4±.1	36.12N±.01	139.85E±.01	51±2	3.3		¶97ii2161
NEIC	II	15 02 23 45.1	36.15N	139.84E	33			
NEIC	Single network solution.							
ISC	**II**	**15 07 52 23.4**±.52	**39.47N**±.066	**141.3E**±.16	**122**		**17**	**0-2**
JMA	II	15 07 52 23.3±.2	39.47N±.01	141.29E±.02	122±2			¶97ii2194
ISC	**II**	**15 15 18 08.1**±.41	**36.08N**±.026	**139.90E**±.046	**53**±15		**54**	**0-4**
JMA	II	15 15 18 07.9±.1	36.09N±.01	139.87E±.01	52±2	3.4		¶97ii2254
NEIC	II	15 15 18 08.7	36.13N	139.87E	33			
NEIC	Single network solution.							
ISC	**II**	**16 01 30 14**±1.3	**37.91N**±.062	**140.7E**±.16	**90**±16		**17**	**0-2**
JMA	II	16 01 30 13.9±.1	37.90N±.01	140.69E±.02	92±2			¶97ii2322
ISC	**II**	**16 06 05 21**±1.4	**36.1N**±.20	**139.7E**±.22	**82**		**5**	**0-1**
JMA	II	16 06 05 21.3±.2	36.11N±.01	139.69E±.01	82±2			¶97ii2345
ISC	**II**	**16 23 50 23.8**±.39	**35.51N**±.032	**138.95E**±.048	**23**		**30**	**0-2**
JMA	II	16 23 50 23.7±.0	35.52N±.00	138.92E±.01	23±1	3.3		¶97ii2435
JMA	**II**	**17 18 46 49.7**±.6	**36.23N**±.04	**139.97E**±.02	**64**±5			¶97ii2525
ISC	**II**	**18 05 57 23.6**±.68	**36.86N**±.031	**138.18E**±.050	**2**±7.3		**25**	**0-2**
JMA	II	18 05 57 24.3±.1	36.83N±.00	138.19E±.01	6±3	2.9		¶97ii2608
JMA	**II**	**18 11 46 15.0**±.1	**36.02N**±.01	**139.67E**±.01	**85**±1			¶97ii2638
ISC	**II**	**19 15 16 54**±6.5	**36.5N**±.14	**138.7E**±.22	**147**±64		**12**	**0-2**
JMA	II	19 15 16 53.8±.2	36.51N±.01	138.72E±.01	149±2			¶97ii2805
ISC	**II**	**19 18 59 01**±3.0	**37.2N**±.16	**140.4E**±.23	**134**±30		**11**	**0-2**
JMA	II	19 18 59 01.4±.3	37.23N±.02	140.43E±.03	126±3			¶97ii2819
ISC	**II**	**20 02 37 42.1**±.81	**36.84N**±.044	**137.20E**±.066	**3**±10		**15**	**0-2**
JMA	II	20 02 37 42.4±.1	36.82N±.00	137.16E±.01	4±2	2.8		¶97ii2864
ISC	**II**	**20 05 49 18.5**±.87	**36.84N**±.046	**137.19E**±.070	**5**±10		**15**	**0-2**
JMA	II	20 05 49 19.0±.1	36.82N±.00	137.17E±.01	6±2	2.8		¶97ii2886
ISC	**II**	**20 11 28 34**±1.5	**35.9N**±.14	**137.3E**±.14	**283**±15		**37**	**0-10**
JMA	II	20 11 28 37.3±.4	35.96N±.02	137.40E±.02	251±4			¶97ii2917
ISC	**II**	**20 11 56 50**±4.7	**39.4N**±.15	**141.6E**±.28	**117**±43		**13**	**0-2**
JMA	II	20 11 56 51.1±.2	39.40N±.01	141.64E±.02	107±2			¶97ii2921
ISC	**II**	**20 12 55 54.8**±.96	**39.28N**±.053	**140.71E**±.075	**13**±11		**16**	**0-1**
JMA	II	20 12 55 55.1±.0	39.28N±.00	140.71E±.00	14±1	3.0		¶97ii2928
JMA	**II**	**20 12 56 06.7**±.0	**39.27N**±.01	**140.71E**±.01	**15**±1	**2.8**		¶97ii2929
JMA	**II**	**20 14 07 13.6**±.2	**36.13N**±.01	**139.34E**±.01	**70**±2			¶97ii2938
ISC	**II**	**21 17 17 50.9**±.56	**35.33N**±.049	**137.71E**±.045	**37**±27		**28**	**0-2**
JMA	II	21 17 17 50.5±.1	35.33N±.00	137.69E±.01	48±1	2.8		¶97ii3101
ISC	**II**	**22 04 07 21**±2.8	**36.27N**±.075	**139.1E**±.13	**114**±31		**15**	**0-2**
JMA	II	22 04 07 21.4±.2	36.26N±.01	139.07E±.02	113±2			¶97ii3166
ISC	**II**	**22 12 33 37.7**±.65	**37.70N**±.039	**140.94E**±.092	**72**±11		**35**	**0-3**
JMA	II	22 12 33 37.2±.1	37.69N±.01	140.96E±.02	77±2			¶97ii3204
ISC	**II**	**22 20 49 46**±1.8	**35.4N**±.42	**137.1E**±.53	**310**		**6**	**1-3**
JMA	II	22 20 49 46.3±.2	35.34N±.06	137.13E±.06	310			¶97ii3248
ISC	**II**	**22 20 57 30**±3.9	**36.4N**±.42	**138.6E**±.65	**163**		**5**	**0-2**
JMA	II	22 20 57 31.1±.4	36.33N±.03	138.73E±.05	163±3			¶97ii3249
ISC	**II**	**22 21 36 33.9**±.41	**36.73N**±.036	**139.41E**±.045	**9**		**25**	**0-2**
JMA	II	22 21 36 33.7±.0	36.70N±.00	139.42E±.01	9±2	2.8		¶97ii3254
ISC	**II**	**23 05 37 20.7**±.90	**39.97N**±.051	**141.8E**±.11	**13**±7.3		**16**	**0-2**
JMA	II	23 05 37 20.7±.1	39.97N±.00	141.76E±.01	17±1	3.2		¶97ii3299
ISC	**II**	**23 06 28 50**±3.4	**38.2N**±.10	**140.6E**±.26	**99**±36		**11**	**0-1**
JMA	II	23 06 28 48.9±.3	38.21N±.01	140.50E±.04	110±3			¶97ii3303
ISC	**II**	**23 10 47 51.6**±.39	**35.74N**±.038	**137.04E**±.037	**13**		**31**	**0-3**
JMA	II	23 10 47 50.9±.0	35.73N±.00	137.02E±.00	13±1	2.9		¶97ii3321
ISC	**II**	**24 02 58 52**±1.5	**36.2N**±.19	**139.6E**±.21	**60**		**4**	**0-1**
JMA	II	24 02 58 51.5±.2	36.14N±.01	139.65E±.01	60±3	2.3		¶97ii3413
ISC	Poorly determined							
ISC	**II**	**24 14 58 24.5**±.73	**36.10N**±.041	**139.67E**±.062	**95**±12		**41**	**0-4**
JMA	II	24 14 58 25.1±.1	36.09N±.00	139.67E±.01	85±2			¶97ii3495
JMA	**II**	**24 21 23 58.0**±.4	**36.19N**±.02	**137.28E**±.06	**267**			¶97ii3541
ISC	**II**	**25 08 29 31**±1.4	**36.2N**±.17	**139.7E**±.23	**83**		**6**	**0-1**
JMA	II	25 08 29 30.9±.2	36.12N±.01	139.71E±.01	83±2			¶97ii3601
ISC	**II**	**25 14 35 41**±1.4	**39.8N**±.14	**141.8E**±.28	**69**		**8**	**0-1**
JMA	II	25 14 35 40.8±.1	39.83N±.01	141.81E±.01	69±1			¶97ii3639
ISC	**II**	**25 21 49 14.2**±.46	**35.29N**±.046	**137.34E**±.043	**38**±15		**27**	**0-2**
JMA	II	25 21 49 13.6±.1	35.29N±.01	137.34E±.01	46±2	2.8		¶97ii3697
ISC	**II**	**26 02 06 22**±1.4	**39.7N**±.14	**141.7E**±.30	**102**		**10**	**0-2**
JMA	II	26 02 06 21.7±.2	39.71N±.01	141.73E±.02	102±2			¶97ii3729
ISC	**II**	**26 12 45 05**±1.5	**40.23N**±.067	**140.0E**±.20	**174**±15		**25**	**0-5**
JMA	II	26 12 45 05.9±.3	40.22N±.01	140.08E±.03	162±3			¶97ii3788
ISC	**II**	**26 17 57 05.6**±.63	**38.81N**±.031	**140.66E**±.049	**1**±7.2		**26**	**0-3**
JMA	II	26 17 57 06.2±.0	38.81N±.00	140.65E±.00	9±1	2.9		¶97ii3835
ISC	**II**	**26 18 40 42.8**±.52	**35.46N**±.039	**138.99E**±.063	**15**±11		**21**	**0-2**
JMA	II	26 18 40 43.1±.0	35.47N±.00	138.99E±.01	24±1	2.9		¶97ii3841
ISC	**II**	**27 06 50 47**±5.3	**37.8N**±.19	**140.8E**±.50	**118**±53		**7**	**0-2**
JMA	II	27 06 50 47.9±.1	37.80N±.01	140.87E±.03	112±2			¶97ii3913
ISC	**II**	**27 08 54 06.7**±.30	**36.55N**±.026	**139.28E**±.040	**130**±4.9	**3.3b**	**91**	**0-60**
NEIC	II	27 08 54 06.5	36.65N	139.07E	134			¶97ii3933
EIDC	II	27 08 54 07.8	36.7N	138.7E	134	3.3b		
JMA	II	27 08 54 07.9±.1	36.53N±.00	139.24E±.01	114±2	3.0		
NEIC	Less reliable solution.							
ISC	**II**	**27 16 05 35.4**±.27	**36.22N**±.038	**137.03E**±.048	**286**±3.4	**3.5b**	**117**	**0-93**
NEIC	II	27 16 05 35.3	36.12N	137.03E	282	4.0b		¶97ii3981
JMA	II	27 16 05 36.1±.1	36.17N±.01	137.03E±.01	281±1			
EIDC	II	27 16 05 36.4	36.1N	137.1E	276	3.2b		
NEIC	Less reliable solution.							
ISC	**II**	**28 03 44 25**±1.6	**39.40N**±.059	**141.2E**±.11	**83**±19		**18**	**0-2**
JMA	II	28 03 44 24.5±.1	39.39N±.00	141.17E±.01	85±1			¶97ii4120
ISC	**II**	**28 12 45 19**±4.7	**39.37N**±.098	**140.8E**±.22	**110**±46		**11**	**0-1**
JMA	II	28 12 45 18.8±.2	39.37N±.01	140.77E±.02	111±2			¶97ii4250
ISC	**III**	**01 21 02 06**±1.1	**36.8N**±.13	**139.4E**±.12	**33**		**5**	**1-2**
								¶97iii0188
JMA	**III**	**02 01 01 23.9**±.1	**36.10N**±.01	**139.88E**±.01	**72**±2			¶97iii0220
ISC	**III**	**02 09 53 16.0**±.56	**35.45N**±.048	**138.99E**±.071	**16**±16		**15**	**0-1**
JMA	III	02 09 53 16.3±.0	35.45N±.00	139.01E±.01	21±2	2.8		¶97iii0275
ISC	**III**	**02 11 09 27**±2.4	**39.5N**±.11	**141.2E**±.16	**89**±23		**14**	**0-2**
JMA	III	02 11 09 26.4±.1	39.46N±.01	141.17E±.01	90±2			¶97iii0289
ISC	**III**	**02 12 01 39.3**±.38	**39.75N**±.030	**142.00E**±.073	**62**±6.7	**3.7b**	**54**	**0-47**
EIDC	III	02 12 01 39.5	39.6N	142.4E	55	3.6b		¶97iii0302
JMA	III	02 12 01 39.9±.1	39.74N±.00	141.85E±.01	62±1			
NEIC	III	02 12 01 40.0	39.58N	142.22E	87			
NEIC	Less reliable solution.							
ISC	**III**	**02 12 46 53.7**±.60	**37.15N**±.037	**139.98E**±.047	**2**±7.3		**21**	**0-2**
JMA	III	02 12 46 54.2±.0	37.14N±.00	139.96E±.00	13±1	2.9		¶97iii0310
ISC	**III**	**02 12 48 21.2**±.41	**37.12N**±.036	**139.98E**±.054	**14**		**26**	**0-3**
JMA	III	02 12 48 20.6±.0	37.14N±.00	139.97E±.00	14±2	3.1		¶97iii0311
ISC	**III**	**03 06 04 41.7**±.52	**36.16N**±.052	**139.81E**±.061	**47**		**18**	**0-2**
JMA	III	03 06 04 41.4±.1	36.15N±.01	139.81E±.01	47±2	3.0		¶97iii0490
JMA	**III**	**03 19 51 41.9**±.2	**36.05N**±.02	**139.82E**±.02	**101**±2			¶97iii0679
ISC	**III**	**04 09 09 23**±2.7	**38.61N**±.075	**140.4E**±.25	**124**±28		**15**	**0-2**
JMA	III	04 09 09 23.2±.2	38.61N±.01	140.40E±.02	124±2			¶97iii0820
JMA	**III**	**04 12 56 08.7**±.3	**36.20N**±.01	**139.89E**±.01	**73**±3			¶97iii0846
ISC	**III**	**04 18 15 04**±1.4	**36.12N**±.065	**139.8E**±.12	**126**±18		**29**	**0-4**
JMA	III	04 18 15 05.8±.2	36.13N±.01	139.75E±.01	106±2			¶97iii0902
ISC	**III**	**04 20 15 22**±1.7	**36.5N**±.21	**138.3E**±.11	**5**		**4**	**0-2**
JMA	III	04 20 15 22.2±.1	36.60N±.02	138.29E±.02	5	2.8		¶97iii0912
ISC	Poorly determined							
ISC	**III**	**04 21 02 58**±4.9	**39.5N**±.12	**141.4E**±.19	**67**±48		**8**	**0-1**
JMA	III	04 21 02 57.5±.1	39.49N±.01	141.39E±.01	70±2			¶97iii0917
ISC	**III**	**04 21 54 27.9**±.86	**36.11N**±.045	**139.90E**±.073	**43**±39		**23**	**0-4**
JMA	III	04 21 54 27.8±.1	36.10N±.01	139.89E±.01	45±2	3.2		¶97iii0926
ISC	**III**	**04 23 34 08**±2.6	**39.18N**±.083	**141.2E**±.15	**75**±29		**11**	**0-1**
JMA	III	04 23 34 08.1±.2	39.17N±.01	141.15E±.02	78±2			¶97iii0941
ISC	**III**	**05 10 02 18.2**±.53	**35.07N**±.038	**138.61E**±.041	**11**±6.4		**30**	**0-2**
JMA	III	05 10 02 18.6±.0	35.08N±.00	138.61E±.00	17±2	2.8		¶97iii1033
ISC	**III**	**05 10 33 51**±5.0	**39.8N**±.21	**141.5E**±.19	**65**±44		**9**	**0-1**
JMA	III	05 10 33 50.6±.2	39.87N±.01	141.55E±.01	69±1			¶97iii1038
ISC	**III**	**05 13 41 02**±1.7	**39.6N**±.23	**140.3E**±.35	**162**		**9**	**0-1**
JMA	III	05 13 41 02.8±.3	39.63N±.02	140.40E±.03	162±3			¶97iii1068
ISC	**III**	**05 22 13 43.4**±.73	**37.04N**±.047	**139.95E**±.054	**10**±7.2		**17**	**0-2**
JMA	III	05 22 13 43.7±.0	37.04N±.00	139.94E±.01	12±2	2.8		¶97iii1139
JMA	**III**	**06 02 20 20.4**±.2	**36.15N**±.03	**139.87E**±.05	**108**			¶97iii1169
ISC	**III**	**06 08 30 50.8**±.65	**39.5N**±.12	**141.2E**±.23	**122**		**10**	**0-1**
JMA	III	06 08 30 50.8±.2	39.54N±.01	141.26E±.02	122±2			¶97iii1235
ISC	**III**	**06 10 47 34**±1.1	**37.1N**±.15	**140.8E**±.25	**94**		**12**	**0-2**
JMA	III	06 10 47 33.7±.3	37.10N±.01	140.80E±.03	94±3			¶97iii1251
ISC	**III**	**06 12 58 52**±6.4	**36.4N**±.19	**138.3E**±.18	**190**±57		**16**	**0-2**
JMA	III	06 12 58 53.3±.3	36.39N±.02	138.34E±.02	178±3			¶97iii1271
ISC	**III**	**07 04 33 40**±7.1	**37.9N**±.15	**140.6E**±.78	**126**±57		**8**	**0-2**
JMA	III	07 04 33 39.5±.4	37.95N±.01	140.54E±.06	127±4			¶97iii1440
ISC	**III**	**07 06 30 41.8**±.76	**38.61N**±.038	**140.98E**±.065	**8**±8.2		**19**	**0-2**
JMA	III	07 06 30 42.2±.0	38.60N±.01	140.98E±.01	14±3	3.0		¶97iii1453
ISC	**III**	**07 18 32 23**±1.3	**36.2N**±.14	**137.0E**±.10	**285**±19		**43**	**1-10**
JMA	III	07 18 32 23.4±.2	36.26N±.02	137.04E±.02	280±3			¶97iii1571
ISC	**III**	**08 03 14 36**±1.7	**39.5N**±.12	**141.9E**±.31	**93**		**8**	**0-1**
JMA	III	08 03 14 35.8±.2	39.48N±.01	141.92E±.02	93±2			¶97iii1657
ISC	**III**	**08 08 37 12.1**±.68	**37.80N**±.056	**139.10E**±.079	**17**±19		**16**	**0-1**
JMA	III	08 08 37 12.4±.1	37.80N±.01	139.11E±.01	19±2	2.8		¶97iii1714

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
JMA	**III**	**08 15 25 13.4**±.3	**37.10N**±.01	**140.99E**±.03	**81**±3				**¶97iii1781**
ISC	**III**	**09 12 45 18.3**±.70	**39.98N**±.035	**141.06E**±.061	**2**±8.2		**24**	**0-4**	
JMA	III	09 12 45 18.8±.0	39.98N±.00	141.07E±.01	14±2	3.3			¶97iii1965
ISC	**III**	**09 18 43 14**±2.0	**36.21N**±.090	**139.1E**±.13	**95**±24		**17**	**0-2**	
JMA	III	09 18 43 14.6±.2	36.22N±.01	139.11E±.01	88±2				¶97iii2052
ISC	**III**	**09 20 39 34**±1.2	**37.11N**±.093	**139.5E**±.10	**9**		**8**	**0-1**	
JMA	III	09 20 39 34.0±.1	37.10N±.01	139.50E±.01	9±1	2.9			¶97iii2081
ISC	Poorly determined								
ISC	**III**	**10 04 53 29**±4.9	**36.5N**±.72	**138.9E**±.75	**139**		**6**	**0-1**	
JMA	III	10 04 53 29.8±.2	36.37N±.02	138.96E±.03	139±2				¶97iii2148
ISC	**III**	**10 14 15 39**±1.6	**37.0N**±.12	**140.5E**±.22	**87**±19		**11**	**0-2**	
JMA	III	10 14 15 39.2±.2	37.03N±.01	140.49E±.02	82±3				¶97iii2226
ISC	**III**	**11 02 47 26.3**±.70	**36.3N**±.12	**139.2E**±.15	**110**		**10**	**0-1**	
JMA	III	11 02 47 26.3±.3	36.23N±.01	139.26E±.02	110±3				¶97iii2296
ISC	**III**	**11 11 36 34.2**±.32	**35.82N**±.030	**137.59E**±.033	**11**		**42**	**0-3**	
JMA	III	11 11 36 33.4±.0	35.82N±.00	137.57E±.00	11±2	3.4			¶97iii2369
ISC	**III**	**11 18 36 24**±6.3	**39.4N**±.18	**141.7E**±.40	**100**±53		**8**	**0-1**	
JMA	III	11 18 36 23.7±.2	39.42N±.01	141.74E±.02	99±2				¶97iii2426
ISC	**III**	**12 10 03 55**±2.0	**37.99N**±.089	**141.0E**±.29	**77**±27		**10**	**0-2**	
JMA	III	12 10 03 55.0±.1	37.99N±.00	140.97E±.01	76±1				¶97iii2508
ISC	**III**	**12 11 00 45.5**±.63	**37.28N**±.030	**139.55E**±.039	**5**±6.3		**35**	**0-3**	
JMA	III	12 11 00 45.9±.0	37.27N±.00	139.56E±.00	10±2	3.2			¶97iii2518
NEIC	III	12 11 00 45.9	37.29N	139.57E	10				
NEIC	Single network solution.								
ISC	**III**	**12 14 09 51.9**±.33	**35.83N**±.030	**137.60E**±.036	**11**		**43**	**0-3**	
JMA	III	12 14 09 51.3±.0	35.83N±.00	137.59E±.00	11±2	3.0			¶97iii2549
JMA	**III**	**12 17 38 59.2**±.0	**39.41N**±.00	**141.31E**±.01	**74**±1				**¶97iii2565**
ISC	**III**	**12 18 02 36**±5.2	**36.4N**±.12	**139.3E**±.23	**140**±51		**17**	**0-2**	
JMA	III	12 18 02 36.2±.2	36.37N±.01	139.35E±.01	138±2				¶97iii2569
ISC	**III**	**12 21 02 36.4**±.42	**36.93N**±.038	**139.81E**±.045	**10**		**26**	**0-3**	
JMA	III	12 21 02 36.1±.1	36.93N±.01	139.79E±.01	10±3	3.0			¶97iii2585
ISC	**III**	**12 21 50 11.8**±.39	**35.86N**±.035	**137.58E**±.040	**12**		**29**	**0-3**	
JMA	III	12 21 50 11.4±.0	35.85N±.00	137.55E±.00	12±2	2.8			¶97iii2590
ISC	**III**	**13 01 03 26**±1.4	**36.24N**±.091	**139.8E**±.12	**68**±23		**12**	**0-2**	
JMA	III	13 01 03 26.2±.2	36.25N±.01	139.73E±.01	73±2				¶97iii2617
ISC	**III**	**13 03 41 28.8**±.97	**36.62N**±.052	**139.46E**±.094	**127**±13		**36**	**0-4**	
JMA	III	13 03 41 29.8±.1	36.61N±.01	139.46E±.01	116±2				¶97iii2637
ISC	**III**	**13 08 34 02**±1.4	**40.40N**±.044	**140.2E**±.15	**190**±14		**40**	**0-5**	
JMA	III	13 08 34 03.4±.1	40.40N±.00	140.22E±.02	176±2				¶97iii2675
ISC	**III**	**13 12 16 31**±1.2	**36.6N**±.20	**138.7E**±.19	**154**		**9**	**0-2**	
JMA	III	13 12 16 31.5±.2	36.55N±.01	138.69E±.01	154±2				¶97iii2700
ISC	**III**	**13 20 57 57**±3.0	**39.84N**±.092	**141.3E**±.17	**90**±30		**13**	**0-2**	
JMA	III	13 20 57 57.1±.1	39.83N±.01	141.30E±.01	86±2				¶97iii2764
ISC	**III**	**13 21 06 26.7**±.60	**38.82N**±.030	**140.66E**±.048	**2**±6.6		**31**	**0-3**	
JMA	III	13 21 06 27.3±.0	38.81N±.00	140.64E±.00	10±1	3.0			¶97iii2765
ISC	**III**	**13 23 30 48**±1.0	**37.1N**±.15	**140.2E**±.24	**92**		**6**	**0-1**	
JMA	III	13 23 30 48.1±.2	37.08N±.01	140.21E±.01	92±3				¶97iii2780
ISC	**III**	**14 10 12 26**±6.0	**39.8N**±.19	**141.6E**±.23	**67**±55		**8**	**0-1**	
JMA	III	14 10 12 26.2±.1	39.77N±.01	141.62E±.01	69±1				¶97iii2856
ISC	**III**	**14 13 54 28**±1.1	**37.52N**±.059	**140.5E**±.10	**98**±14		**26**	**0-3**	
JMA	III	14 13 54 28.1±.1	37.51N±.00	140.55E±.01	96±1				¶97iii2889
ISC	**III**	**15 02 00 23**±1.1	**36.43N**±.066	**138.1E**±.10	**250**±10		**64**	**0-9**	
JMA	III	15 02 00 26.5±.2	36.47N±.01	138.18E±.01	212±2				¶97iii2977
ISC	**III**	**15 09 02 40.7**±.49	**40.66N**±.036	**140.47E**±.076	**15**		**20**	**0-2**	
JMA	III	15 09 02 40.2±.0	40.64N±.00	140.47E±.01	15±2	2.9			¶97iii3021
ISC	**III**	**15 12 11 17.7**±.75	**36.03N**±.054	**139.98E**±.059	**23**±9.3		**22**	**1-2**	
NEIC	III	15 12 11 17.4	36.10N	139.90E	10				¶97iii3046
JMA	III	15 12 11 17.9±.1	36.01N±.01	139.95E±.01	42±2	2.8			
NEIC	Single network solution.								
ISC	**III**	**15 16 27 47**±1.9	**36.42N**±.064	**139.9E**±.10	**122**±23		**21**	**0-2**	
JMA	III	15 16 27 47.4±.2	36.40N±.01	139.93E±.01	114±2				¶97iii3071
ISC	**III**	**15 21 50 11**±1.1	**36.7N**±.13	**139.4E**±.12	**33**		**5**	**1-2**	
									¶97iii3115
ISC	**III**	**16 03 30 23.2**±.30	**36.09N**±.026	**137.55E**±.033	**8**		**50**	**0-3**	
JMA	III	16 03 30 22.6±.1	36.08N±.00	137.54E±.01	8±2	3.4			¶97iii3160
ISC	**III**	**16 15 08 43**±1.2	**36.2N**±.16	**139.6E**±.18	**60**		**5**	**0-1**	
JMA	III	16 15 08 43.5±.2	36.15N±.01	139.56E±.01	60±2	2.4			¶97iii3241
ISC	**III**	**16 20 07 34**±1.1	**36.3N**±.28	**139.0E**±.21	**124**		**5**	**0-1**	
JMA	III	16 20 07 33.6±.5	36.27N±.03	139.08E±.03	124±5				¶97iii3264
ISC	**III**	**16 22 27 10**±3.5	**37.9N**±.14	**139.3E**±.20	**148**±47		**13**	**1-2**	
JMA	III	16 22 27 08.9±.2	37.83N±.02	139.36E±.03	165				¶97iii3277
ISC	**III**	**18 00 22 38**±1.6	**37.31N**±.084	**140.4E**±.13	**88**±21		**14**	**0-2**	
JMA	III	18 00 22 38.3±.1	37.30N±.01	140.47E±.01	87±2				¶97iii3454
ISC	**III**	**18 00 59 46.5**±.22	**36.26N**±.034	**137.45E**±.041	**263**±3.1	**3.5b**	**130**	**0-93**	
NEIC	III	18 00 59 46.7	36.12N	137.47E	258	4.2b			¶97iii3459
EIDC	III	18 00 59 47.0	36.2N	137.5E	258	3.3b			
JMA	III	18 00 59 47.7±.1	36.21N±.01	137.44E±.01	253±2	3.9			
ISC	**III**	**18 18 07 33**±1.4	**38.9N**±.19	**140.6E**±.25	**109**		**7**	**0-1**	
JMA	III	18 18 07 33.3±.2	38.86N±.01	140.64E±.01	109±2				¶97iii3575
ISC	**III**	**19 05 18 47.6**±.32	**36.74N**±.026	**138.16E**±.036	**1**		**45**	**0-4**	
NEIC	III	19 05 18 47.8	36.69N	138.12E	10				¶97iii3637
JMA	III	19 05 18 48.0±.1	36.71N±.01	138.18E±.01	1±3	3.2			
NEIC	Poor solution.								
ISC	**III**	**19 07 11 52**±1.4	**36.3N**±.20	**139.7E**±.20	**65**		**4**	**0-1**	
JMA	III	19 07 11 51.6±.3	36.25N±.01	139.74E±.01	65±3				¶97iii3654
ISC	Poorly determined								
ISC	**III**	**19 13 02 30.4**±.33	**36.10N**±.029	**139.88E**±.051	**51**		**42**	**0-4**	
JMA	III	19 13 02 30.1±.1	36.12N±.01	139.87E±.01	51±3	3.1			¶97iii3711
NEIC	III	19 13 02 30.7	36.16N	139.85E	33				
NEIC	Single network solution.								
ISC	**III**	**20 03 14 48**±1.3	**39.01N**±.053	**141.1E**±.11	**92**±16		**21**	**0-3**	
JMA	III	20 03 14 48.4±.1	39.02N±.00	141.06E±.01	92±1				¶97iii3822
ISC	**III**	**21 00 06 11.4**±.76	**36.1N**±.11	**139.0E**±.20	**122**		**9**	**0-1**	
JMA	III	21 00 06 11.3±.2	36.07N±.01	138.97E±.01	122±2				¶97iii3972
ISC	**III**	**21 00 15 56.3**±.82	**36.63N**±.055	**139.48E**±.062	**9**±8.7		**12**	**0-2**	
NEIC	III	21 00 15 56.3	36.62N	139.48E	10				¶97iii3975
JMA	III	21 00 15 56.5±.0	36.63N±.00	139.48E±.00	10±1	3.0			
NEIC	Single network solution.								
ISC	**III**	**21 06 37 26**±4.7	**39.7N**±.15	**141.9E**±.30	**59**±39		**10**	**0-2**	
JMA	III	21 06 37 26.4±.2	39.67N±.01	141.88E±.02	52±2	3.0			¶97iii4018
ISC	**III**	**21 17 53 19.5**±.47	**35.36N**±.047	**137.90E**±.043	**34**±29		**26**	**0-2**	
JMA	III	21 17 53 19.1±.0	35.35N±.00	137.89E±.00	46±1	2.8			¶97iii4110
ISC	**III**	**21 21 44 50**±5.8	**39.2N**±.13	**141.3E**±.22	**87**±60		**7**	**0-1**	
JMA	III	21 21 44 50.8±.2	39.23N±.01	141.30E±.02	81±2				¶97iii4141
ISC	**III**	**22 01 31 19.3**±.68	**35.06N**±.046	**137.84E**±.039	**10**±7.4		**25**	**0-2**	
JMA	III	22 01 31 19.5±.0	35.04N±.00	137.82E±.00	19±1	2.9			¶97iii4175
ISC	**III**	**22 03 38 47**±3.4	**37.6N**±.35	**139.1E**±.50	**179**		**6**	**1-2**	
JMA	III	22 03 38 47.6±.2	37.54N±.03	139.16E±.04	179				¶97iii4188
ISC	**III**	**22 09 11 04**±1.3	**39.8N**±.13	**141.8E**±.26	**64**		**7**	**0-1**	
JMA	III	22 09 11 04.2±.1	39.80N±.00	141.78E±.01	64±1				**¶97iii4237**
ISC	**III**	**22 10 12 39**±1.3	**36.4N**±.31	**139.4E**±.39	**142**		**6**	**0-1**	
JMA	III	22 10 12 38.9±.3	36.36N±.02	139.44E±.02	142±2				¶97iii4244
ISC	**III**	**22 21 51 36**±2.0	**36.2N**±.22	**137.1E**±.15	**303**±26		**29**	**1-9**	
JMA	III	22 21 51 39.0±.2	36.34N±.02	137.13E±.02	269±3				¶97iii4324
ISC	**III**	**24 01 33 28.7**±.65	**36.03N**±.042	**139.98E**±.057	**21**±8.9		**26**	**1-2**	
JMA	III	24 01 33 29.1±.1	36.03N±.01	139.95E±.01	41±2	3.1			¶97iii4506
NEIC	III	24 01 33 29.4	36.05N	139.99E	33				
NEIC	Single network solution.								
JMA	**III**	**24 03 05 26.6**±.2	**37.18N**±.02	**140.35E**±.03	**97**				**¶97iii4516**
ISC	**III**	**24 08 33 40**±1.2	**37.50N**±.060	**140.7E**±.12	**133**±15		**26**	**0-3**	
JMA	III	24 08 33 40.7±.1	37.49N±.01	140.67E±.02	123±2				¶97iii4547
ISC	**III**	**24 17 08 51**±3.2	**36.0N**±.19	**139.4E**±.26	**71**±42		**7**	**0-1**	
JMA	III	24 17 08 51.5±.2	36.00N±.01	139.46E±.01	65±2				¶97iii4595
ISC	**III**	**25 02 03 17.0**±.39	**35.81N**±.035	**137.61E**±.039	**10**		**31**	**0-2**	
JMA	III	25 02 03 16.6±.0	35.82N±.00	137.59E±.00	10±2	3.1			¶97iii4658
ISC	**III**	**25 12 20 10.0**±.67	**38.26N**±.033	**140.26E**±.045	**5**±6.7		**27**	**0-2**	
JMA	III	25 12 20 10.5±.0	38.26N±.00	140.25E±.00	13±2	3.0			¶97iii4725
ISC	**III**	**25 12 20 24.9**±.40	**38.26N**±.038	**140.28E**±.052	**12**		**34**	**0-3**	
JMA	III	25 12 20 24.4±.1	38.26N±.00	140.24E±.01	12±2	3.3			¶97iii4726
JMA	**III**	**25 12 20 40.4**±.1	**38.26N**±.01	**140.23E**±.01	**13**±2	**3.1**			**¶97iii4727**
ISC	**III**	**25 14 36 46.3**±.61	**36.09N**±.042	**139.91E**±.059	**25**±8.1		**22**	**0-2**	
JMA	III	25 14 36 46.4±.1	36.08N±.01	139.88E±.01	43±2	2.8			¶97iii4745
ISC	**III**	**25 23 10 39**±5.6	**38.5N**±.15	**140.9E**±.24	**96**±55		**9**	**0-1**	
JMA	III	25 23 10 39.7±.2	38.50N±.01	140.90E±.02	93±2				¶97iii4807
ISC	**III**	**26 00 54 35.7**±.82	**36.41N**±.051	**140.00E**±.070	**82**±15		**28**	**0-4**	
JMA	III	26 00 54 36.0±.1	36.38N±.01	139.96E±.01	79±2				¶97iii4821
ISC	**III**	**26 15 20 12**±1.4	**39.25N**±.056	**141.6E**±.15	**69**±17		**17**	**0-2**	
JMA	III	26 15 20 12.1±.1	39.25N±.00	141.55E±.01	67±1				¶97iii5014
ISC	**III**	**27 06 39 03**±2.7	**39.20N**±.088	**141.0E**±.17	**134**±27		**16**	**0-2**	
JMA	III	27 06 39 03.5±.2	39.20N±.01	141.03E±.01	126±2				¶97iii5158
ISC	**III**	**27 12 13 32**±2.3	**37.1N**±.36	**140.8E**±.64	**101**		**4**	**0-1**	
JMA	III	27 12 13 32.1±.2	37.06N±.01	140.77E±.02	101±1				¶97iii5223
ISC	Poorly determined								
ISC	**III**	**27 20 15 21**±3.6	**35.8N**±.12	**138.8E**±.14	**156**±37		**16**	**0-2**	
JMA	III	27 20 15 20.9±.2	35.82N±.01	138.87E±.02	154±2				¶97iii5303
ISC	**III**	**28 00 46 55**±1.6	**39.4N**±.15	**140.7E**±.33	**111**		**8**	**0-1**	
JMA	III	28 00 46 55.2±.1	39.41N±.01	140.69E±.01	111±1				¶97iii5340
ISC	**III**	**28 00 54 43.0**±.35	**36.23N**±.025	**139.81E**±.040	**61**±9.9		**74**	**0-8**	
JMA	III	28 00 54 42.9±.1	36.23N±.01	139.79E±.01	58±2	3.7			¶97iii5341
NEIC	III	28 00 54 43.5	36.25N	139.77E	33				
NEIC	Single network solution.								
ISC	**III**	**28 08 21 58**±4.2	**39.3N**±.13	**141.0E**±.20	**99**±38		**10**	**0-1**	
JMA	III	28 08 21 58.3±.1	39.27N±.00	141.02E±.01	97±1				¶97iii5390
ISC	**III**	**28 10 13 46.0**±.24	**36.20N**±.023	**139.86E**±.033	**72**±4.2	**3.8b**	**109**	**0-69**	
NEIC	III	28 10 13 45.1	36.11N	139.87E	69	3.8b			¶97iii5418
EIDC	III	28 10 13 45.8	36.1N	139.9E	54	3.5b			
JMA	III	28 10 13 46.3±.1	36.21N±.01	139.80E±.01	59±2	3.8			
ISC	**III**	**29 07 34 45**±1.5	**37.2N**±.41	**140.2E**±.36	**117**		**7**	**0-2**	
JMA	III	29 07 34 43.7±1.0	36.95N±.00	140.39E±.15	117				¶97iii5555
ISC	**III**	**29 11 12 56.6**±.61	**36.97N**±.038	**139.78E**±.047	**3**±7.6		**25**	**0-2**	
JMA	III	29 11 12 57.2±.1	36.97N±.01	139.78E±.01	9±3	3.0			¶97iii5577
ISC	**III**	**29 14 13 21.2**±.37	**36.23N**±.027	**139.81E**±.040	**50**±14		**59**	**0-4**	
JMA	III	29 14 13 20.8±.1	36.22N±.01	139.80E±.01	57±2	3.7			¶97iii5599
ISC	**III**	**29 14 56 25**±2.3	**36.69N**±.092	**138.5E**±.17	**170**±23		**19**	**0-4**	
JMA	III	29 14 56 25.6±.2	36.66N±.01	138.59E±.01	161±2				¶97iii5605
ISC	**III**	**29 15 28 55**±1.3	**39.4N**±.32	**141.7E**±.33	**96**		**7**	**0-1**	
JMA	III	29 15 28 55.2±.1	39.44N±.01	141.69E±.01	96±1				¶97iii5609
ISC	**III**	**29 22 00 25.4**±.59	**36.33N**±.086	**137.47E**±.087	**250**±6.8	3.2b	**37**	**0-60**	
EIDC	III	29 21 59 12.7	42.7N	143.1E	0	3.7b,4.6L			¶97iii5653
NEIC	III	29 21 59 14.7	42.57N	143.14E	33				
JMA	III	29 22 00 26.3±.2	36.28N±.02	137.50E±.02	242±2				
NEIC	Poor solution.								
ISC	**III**	**29 23 39 03**±1.2	**36.66N**±.085	**139.3E**±.21	**12**±14		**7**	**0-1**	
JMA	III	29 23 39 03.8±.0	36.65N±.00	139.29E±.00	10±2	2.8			¶97iii5659
JMA	**III**	**31 05 44 45.8**±.2	**36.01N**±.04	**139.82E**±.06	**115**				**¶97iii5851**
ISC	**III**	**31 07 34 23**±6.3	**39.8N**±.19	**141.4E**±.26	**86**±58		**9**	**0-1**	
JMA	III	31 07 34 23.3±.2	39.83N±.01	141.40E±.02	79±2				¶97iii5860
ISC	**III**	**31 07 53 29**±2.7	**36.6N**±.15	**139.4E**±.15	**154**±32		**19**	**0-3**	
JMA	III	31 07 53 30.7±.2	36.64N±.01	139.40E±.02	138±2				¶97iii5864
ISC	**III**	**31 20 00 01**±3.1	**39.49N**±.090	**141.4E**±.17	**78**±32		**10**	**0-1**	
JMA	III	31 20 00 00.9±.1	39.49N±.00	141.38E±.01	80±1				¶97iii5925
ISC	**IV**	**01 16 02 05**±2.4	**39.80N**±.095	**141.4E**±.21	**83**±25		**11**	**0-2**	
JMA	IV	01 16 02 05.0±.2	39.80N±.01	141.36E±.02	81±2				¶97iv0100
ISC	**IV**	**01 17 09 34.3**±.31	**36.04N**±.024	**139.94E**±.040	**61**±7.0	3.5b	**68**	**0-60**	
EIDC	IV	01 17 09 29.3	35.8N	139.8E	0	3.4b,2.1L			¶97iv0114
NEIC	IV	01 17 09 33.5	36.03N	139.97E	60				
JMA	IV	01 17 09 34.3±.1	36.06N±.01	139.88E±.01	52±3	3.5			
NEIC	Less reliable solution.								
ISC	**IV**	**01 18 55 52**±1.2	**37.3N**±.11	**140.9E**±.30	**59**±13		**8**	**0-64**	
JMA	IV	01 18 55 47.3±.4	37.24N±.02	140.80E±.06	102±4				¶97iv0128
ISC	**IV**	**02 03 19 14.5**±.88	**36.3N**±.17	**139.4E**±.24	**123**		**9**	**0-1**	
JMA	IV	02 03 19 14.6±.2	36.30N±.01	139.45E±.01	123±2				¶97iv0183
ISC	**IV**	**02 09 23 40.6**±.68	**37.01N**±.048	**139.99E**±.060	**7**±7.2		**16**	**0-2**	
JMA	IV	02 09 23 40.9±.0	37.02N±.00	139.98E±.00	12±1	2.8			¶97iv0222
ISC	**IV**	**02 15 43 16**±6.3	**37.9N**±.20	**140.6E**±.85	**127**±58		**7**	**0-2**	
JMA	IV	02 15 43 16.9±.2	37.87N±.01	140.72E±.05	121±2				¶97iv0263
ISC	**IV**	**02 20 12 49.3**±.68	**38.68N**±.037	**140.75E**±.056	**7**±7.7		**20**	**0-2**	
JMA	IV	02 20 12 49.8±.0	38.68N±.00	140.75E±.00	12±2	2.9			¶97iv0304
ISC	**IV**	**04 10 08 19**±1.0	**40.57N**±.037	**140.4E**±.11	**164**±12		**41**	**0-5**	
JMA	IV	04 10 08 19.6±.2	40.59N±.01	140.37E±.02	151±3				¶97iv0592
JMA	**IV**	**04 15 55 22.9**±.2	**39.16N**±.01	**141.70E**±.02	**97**±2				**¶97iv0630**
ISC	**IV**	**05 04 29 32**±1.3	**39.5N**±.18	**141.2E**±.40	**91**		**6**	**0-1**	
JMA	IV	05 04 29 31.9±.1	39.50N±.01	141.18E±.01	91±1				¶97iv0690
JMA	**IV**	**05 15 48 56.1**±.2	**37.13N**±.01	**140.25E**±.02	**90**±2				**¶97iv0800**
JMA	**IV**	**06 03 58 25.6**±.3	**36.17N**±.01	**139.32E**±.02	**77**±3				**¶97iv0920**
JMA	**IV**	**06 04 04 40.4**±.2	**36.39N**±.01	**139.82E**±.01	**94**±2				**¶97iv0921**
ISC	**IV**	**06 07 30 48**±3.2	**39.5N**±.22	**140.1E**±.56	**180**		**9**	**0-1**	
JMA	IV	06 07 30 48.6±.3	39.51N±.02	140.13E±.04	180±3				¶97iv0962
ISC	**IV**	**06 17 07 18**±1.1	**40.53N**±.040	**140.1E**±.14	**189**±12		**41**	**0-5**	
JMA	IV	06 17 07 19.2±.1	40.54N±.01	140.10E±.02	172±2				¶97iv1023
ISC	**IV**	**07 04 11 48**±1.4	**39.4N**±.20	**140.2E**±.23	**159**		**11**	**0-1**	
JMA	IV	07 04 11 48.5±.3	39.39N±.02	140.27E±.02	159±3				¶97iv1098
ISC	**IV**	**07 12 17 30**±1.8	**36.0N**±.18	**139.9E**±.16	**47**		**6**	**1-2**	
JMA	IV	07 12 17 30.3±.2	36.07N±.01	139.87E±.01	47±3	2.9			¶97iv1156
ISC	**IV**	**08 15 53 54.4**±.32	**36.06N**±.028	**137.53E**±.035	**9**		**40**	**0-2**	
JMA	IV	08 15 53 54.1±.0	36.05N±.00	137.53E±.00	9±2	2.9			¶97iv1358
JMA	**IV**	**09 08 51 17.0**±.3	**37.16N**±.05	**139.90E**±.04	**166**				**¶97iv1487**
ISC	**IV**	**09 20 10 02**±3.8	**36.03N**±.086	**139.5E**±.13	**108**±41		**17**	**0-1**	
JMA	IV	09 20 10 03.3±.2	36.02N±.01	139.47E±.01	98±2				¶97iv1575

ISC	**IV**	**10 04 51 16**±1.2	**36.56N**±.059	**138.86E**±.076	**148**±15			**31**	**0-4**
JMA	IV	10 04 51 17.1±.1	36.52N±.01	138.86E±.01	142±1				**¶97iv1634**
ISC	**IV**	**10 15 37 36**±2.8	**36.4N**±.21	**139.9E**±.25	**122**±32			**9**	**0-2**
JMA	IV	10 15 37 36.5±.2	36.42N±.01	139.94E±.02	118±2				**¶97iv1711**
JMA	**IV**	**10 19 17 01.6**±.2	**36.59N**±.01	**139.93E**±.01	**120**±2				**¶97iv1734**
ISC	**IV**	**12 07 03 33.0**±.29	**36.65N**±.025	**139.51E**±.037	**9**			**51**	**0-4**
NEIC	IV	12 07 03 32.0	36.63N	139.51E	10				**¶97iv2024**
JMA	IV	12 07 03 32.4±.0	36.64N±.00	139.51E±.01	9±2	3.3			
NEIC	Single network solution.								
ISC	**IV**	**12 08 18 45.4**±.81	**39.70N**±.045	**140.68E**±.064	**9**±8.8			**17**	**0-2**
JMA	IV	12 08 18 45.9±.0	39.69N±.00	140.68E±.00	15±2	3.1			**¶97iv2035**
ISC	**IV**	**12 11 24 08.2**±.83	**37.27N**±.044	**139.91E**±.060	**8**±8.9			**26**	**0-2**
JMA	IV	12 11 24 08.5±.1	37.27N±.00	139.91E±.01	11±3	2.9			**¶97iv2058**
ISC	**IV**	**13 04 04 05**±2.0	**39.79N**±.073	**141.7E**±.19	**70**±18			**17**	**0-3**
JMA	IV	13 04 04 04.7±.1	39.79N±.00	141.73E±.01	70±1				**¶97iv2187**
ISC	**IV**	**13 06 22 17**±4.0	**35.8N**±.66	**138.6E**±.36	**181**			**5**	**1-2**
JMA	IV	13 06 22 18.0±.4	35.83N±.07	138.61E±.04	181				**¶97iv2202**
ISC	Poorly determined								
ISC	**IV**	**13 14 55 58.5**±.55	**39.48N**±.037	**141.38E**±.067	**9**±5.7			**18**	**0-2**
JMA	IV	13 14 55 58.8±.0	39.47N±.00	141.37E±.00	12±1	2.9			**¶97iv2255**
ISC	**IV**	**13 19 22 35**±3.6	**35.9N**±.18	**138.5E**±.24	**206**±32			**19**	**0-4**
JMA	IV	13 19 22 37.5±.4	36.01N±.03	138.54E±.03	185±4				**¶97iv2287**
JMA	**IV**	**14 09 52 27.3**±.4	**36.39N**±.03	**139.93E**±.03	**107**±4				**¶97iv2436**
ISC	**IV**	**14 11 19 05**±8.0	**35.8N**±.46	**138.6E**±.30	**203**±58			**16**	**0-4**
JMA	IV	14 11 19 08.3±.3	35.93N±.02	138.66E±.02	176±3				**¶97iv2448**
ISC	**IV**	**14 17 02 48**±2.3	**36.3N**±.12	**138.2E**±.13	**189**±24			**21**	**0-4**
JMA	IV	14 17 02 48.2±.1	36.33N±.01	138.24E±.01	186±2				**¶97iv2486**
ISC	**IV**	**14 18 38 17.6**±.36	**36.05N**±.032	**137.56E**±.037	**9**			**33**	**0-3**
JMA	IV	14 18 38 17.2±.0	36.04N±.00	137.53E±.00	9±1	2.8			**¶97iv2498**
ISC	**IV**	**14 21 32 52.3**±.62	**38.47N**±.035	**140.77E**±.055	**8**±6.3			**24**	**0-2**
JMA	IV	14 21 32 52.7±.0	38.47N±.00	140.75E±.00	14±1	3.0			**¶97iv2515**
ISC	**IV**	**14 23 16 53**±2.0	**36.4N**±.38	**139.9E**±.42	**115**			**5**	**0-2**
JMA	IV	14 23 16 53.1±.4	36.32N±.03	139.91E±.02	115±3				**¶97iv2524**
ISC	Poorly determined								
ISC	**IV**	**15 04 12 36**±1.5	**36.22N**±.048	**139.09E**±.097	**133**±18			**33**	**0-4**
JMA	IV	15 04 12 37.0±.1	36.22N±.01	139.10E±.01	121±2				**¶97iv2552**
ISC	**IV**	**15 04 18 09**±4.2	**39.1N**±.19	**140.8E**±.80	**105**			**5**	**0-1**
JMA	IV	15 04 18 09.2±.2	39.06N±.01	140.82E±.02	105±2				**¶97iv2553**
ISC	**IV**	**15 04 51 24**±1.2	**39.7N**±.14	**140.2E**±.23	**168**			**14**	**0-3**
JMA	IV	15 04 51 24.4±.2	39.63N±.01	140.25E±.02	168±2				**¶97iv2558**
ISC	**IV**	**15 14 35 06**±1.6	**38.5N**±.12	**140.3E**±.40	**156**			**12**	**0-2**
JMA	IV	15 14 35 06.5±.2	38.51N±.01	140.32E±.03	156±3				**¶97iv2613**
ISC	**IV**	**15 20 59 28**±2.9	**37.7N**±.12	**140.8E**±.33	**81**±32			**10**	**0-2**
JMA	IV	15 20 59 27.8±.1	37.66N±.01	140.82E±.02	81±2				**¶97iv2647**
ISC	**IV**	**15 22 01 49**±3.9	**38.2N**±.12	**140.7E**±.49	**98**±35			**9**	**0-2**
JMA	IV	15 22 01 49.0±.2	38.22N±.01	140.68E±.03	100±2				**¶97iv2655**
ISC	**IV**	**16 06 00 52**±1.1	**38.4N**±.16	**140.9E**±.39	**93**			**9**	**0-1**
JMA	IV	16 06 00 52.5±.2	38.41N±.01	140.94E±.02	93±2				**¶97iv2705**
ISC	**IV**	**17 03 24 15.2**±.41	**38.87N**±.033	**140.65E**±.052	**8**			**24**	**0-2**
JMA	IV	17 03 24 15.3±.0	38.88N±.00	140.64E±.00	8±1	2.8			**¶97iv2847**
JMA	**IV**	**17 09 22 56.6**±.2	**36.38N**±.02	**139.88E**±.01	**115**±2				**¶97iv2875**
ISC	**IV**	**17 14 11 46**±1.3	**37.6N**±.14	**140.9E**±.33	**67**±14	3.8b		**6**	**0-64**
JMA	IV	17 14 11 42.3±.1	37.54N±.01	140.88E±.02	102±1				**¶97iv2916**
ISC	**IV**	**18 00 44 14**±5.0	**39.7N**±.17	**141.4E**±.33	**78**±44			**9**	**0-1**
JMA	IV	18 00 44 14.5±.2	39.69N±.01	141.39E±.02	75±2				**¶97iv3001**
ISC	**IV**	**18 01 01 26**±3.9	**35.6N**±.17	**138.8E**±.21	**157**±35			**15**	**0-4**
JMA	IV	18 01 01 25.6±.2	35.65N±.01	138.84E±.01	159±2				**¶97iv3004**
ISC	**IV**	**18 05 31 21**±5.0	**39.7N**±.18	**141.9E**±.30	**64**±40			**10**	**0-1**
JMA	IV	18 05 31 20.6±.2	39.77N±.01	141.95E±.01	69±1				**¶97iv3023**
ISC	**IV**	**18 09 08 18**±1.2	**39.17N**±.052	**141.1E**±.14	**138**±14			**33**	**0-5**
JMA	IV	18 09 08 19.3±.1	39.17N±.00	141.02E±.01	130±2				**¶97iv3050**
ISC	**IV**	**18 22 00 31.7**±.88	**39.4N**±.14	**141.1E**±.27	**127**			**9**	**0-1**
JMA	IV	18 22 00 31.6±.2	39.41N±.01	141.06E±.02	127±2				**¶97iv3123**
ISC	**IV**	**19 13 39 59.6**±.54	**39.09N**±.081	**141.0E**±.17	**126**			**15**	**0-2**
JMA	IV	19 13 39 59.5±.2	39.09N±.01	140.99E±.02	126±2				**¶97iv3203**
ISC	**IV**	**19 13 51 55**±2.9	**37.2N**±.17	**140.7E**±.33	**116**±29			**12**	**0-2**
JMA	IV	19 13 51 55.1±.3	37.22N±.01	140.65E±.03	107±3				**¶97iv3204**
ISC	**IV**	**19 23 16 52.4**±.47	**36.22N**±.028	**139.43E**±.044	**79**±10			**53**	**0-4**
JMA	IV	19 23 16 52.4±.1	36.22N±.00	139.44E±.01	77±2	2.6			**¶97iv3251**
NEIC	IV	19 23 16 53.6	36.27N	139.41E	33				
NEIC	Single network solution.								
ISC	**IV**	**20 02 44 50**±2.9	**39.17N**±.095	**141.3E**±.19	**77**±32			**11**	**0-1**
JMA	IV	20 02 44 50.1±.1	39.17N±.00	141.36E±.01	74±2				**¶97iv3264**
ISC	**IV**	**20 02 58 42**±6.8	**39.7N**±.17	**141.5E**±.30	**68**±63			**7**	**0-1**
JMA	IV	20 02 58 40.7±.5	39.73N±.02	141.41E±.04	81±4				**¶97iv3266**
ISC	**IV**	**20 12 23 39**±5.3	**39.2N**±.11	**141.2E**±.23	**83**±52			**9**	**0-1**
JMA	IV	20 12 23 39.0±.1	39.22N±.01	141.18E±.01	80±2				**¶97iv3309**
ISC	**IV**	**20 13 20 15.3**±.32	**36.95N**±.028	**138.70E**±.037	**14**			**43**	**0-3**
JMA	IV	20 13 20 14.6±.1	36.90N±.01	138.71E±.01	14±4	3.3			**¶97iv3316**
ISC	**IV**	**20 17 57 45**±1.2	**39.1N**±.17	**140.2E**±.23	**161**			**11**	**0-2**
JMA	IV	20 17 57 45.6±.2	39.13N±.02	140.21E±.02	161±3				**¶97iv3345**
ISC	**IV**	**21 21 44 55.4**±.91	**39.8N**±.14	**141.3E**±.21	**80**			**8**	**0-1**
JMA	IV	21 21 44 55.4±.1	39.78N±.01	141.35E±.01	80±1				**¶97iv3589**
ISC	**IV**	**22 04 24 32.3**±.40	**36.65N**±.035	**139.50E**±.048	**10**			**29**	**0-3**
JMA	IV	22 04 24 32.1±.0	36.64N±.00	139.50E±.00	10±1	3.0			**¶97iv3639**
ISC	**IV**	**22 05 14 02**±2.0	**36.0N**±.19	**140.0E**±.16	**46**			**8**	**1-2**
JMA	IV	22 05 14 02.0±.2	36.05N±.01	139.93E±.01	46±2	2.8			**¶97iv3645**
ISC	**IV**	**22 13 56 59.6**±.78	**36.64N**±.054	**139.50E**±.057	**11**±8.4			**15**	**0-2**
JMA	IV	22 13 56 59.8±.0	36.64N±.00	139.50E±.00	10±1	2.8			**¶97iv3756**
ISC	**IV**	**23 02 46 17**±5.0	**38.3N**±.10	**140.6E**±.30	**143**±50			**12**	**0-1**
JMA	IV	23 02 46 17.7±.2	38.28N±.01	140.66E±.02	137±2				**¶97iv3882**
ISC	**IV**	**23 20 57 56.8**±.72	**39.88N**±.043	**141.8E**±.11	**75**±11			**29**	**0-5**
JMA	IV	23 20 57 57.6±.1	39.87N±.00	141.76E±.01	69±1				**¶97iv4026**
ISC	**IV**	**23 23 10 53.8**±.48	**38.39N**±.035	**140.95E**±.079	**105**±8.2			**50**	**0-6**
JMA	IV	23 23 10 54.9±.1	38.40N±.00	140.85E±.01	91±1				**¶97iv4040**
ISC	**IV**	**24 01 03 13.4**±.76	**35.78N**±.046	**138.04E**±.051	**11**±7.9			**18**	**0-2**
JMA	IV	24 01 03 13.7±.0	35.78N±.00	138.04E±.00	13±2	2.9			**¶97iv4054**
ISC	**IV**	**24 03 09 42.3**±.87	**40.71N**±.035	**140.47E**±.069	**11**±8.1			**22**	**0-2**
JMA	IV	24 03 09 42.6±.0	40.71N±.00	140.48E±.00	17±1	3.2			**¶97iv4073**
ISC	**IV**	**25 06 20 29**±1.1	**39.5N**±.17	**141.0E**±.26	**97**			**9**	**0-1**
JMA	IV	25 06 20 29.3±.1	39.46N±.01	141.04E±.01	97±1				**¶97iv4298**
ISC	**IV**	**25 14 27 04**±1.3	**35.68N**±.071	**138.11E**±.074	**215**±14			**48**	**0-5**
JMA	IV	25 14 27 05.4±.2	35.72N±.01	138.07E±.01	202±2				**¶97iv4356**
ISC	**IV**	**25 17 55 34.7**±.85	**39.6N**±.17	**141.3E**±.20	**83**			**8**	**0-1**
JMA	IV	25 17 55 34.7±.2	39.63N±.01	141.31E±.01	83±2				**¶97iv4388**
ISC	**IV**	**25 19 44 45**±1.3	**36.4N**±.21	**139.8E**±.21	**83**			**4**	**0-1**
JMA	IV	25 19 44 45.1±.3	36.39N±.01	139.78E±.01	83±3				**¶97iv4405**
ISC	Poorly determined								
ISC	**IV**	**25 21 45 27.6**±.67	**36.60N**±.033	**139.38E**±.047	**1**±7.9			**25**	**0-2**
JMA	IV	25 21 45 28.0±.0	36.59N±.00	139.38E±.01	9±2	2.9			**¶97iv4425**
ISC	**IV**	**26 01 03 09**±1.7	**39.2N**±.38	**141.3E**±.66	**122**			**8**	**0-1**
JMA	IV	26 01 03 08.8±.5	39.23N±.02	141.28E±.04	122±3				**¶97iv4444**
ISC	Poorly determined								
ISC	**IV**	**26 03 27 11**±1.6	**39.02N**±.058	**140.9E**±.13	**96**±20			**17**	**0-2**
JMA	IV	26 03 27 11.0±.1	39.02N±.00	140.93E±.01	96±1				**¶97iv4457**
ISC	**IV**	**26 12 55 39**±2.8	**37.4N**±.13	**140.9E**±.30	**113**±28			**11**	**0-2**
JMA	IV	26 12 55 39.9±.3	37.44N±.02	140.88E±.04	107±3				**¶97iv4553**
ISC	**IV**	**26 18 43 51**±1.3	**36.2N**±.13	**137.1E**±.10	**275**±18			**30**	**1-5**
JMA	IV	26 18 43 51.0±.2	36.29N±.02	137.04E±.01	273±3				**¶97iv4593**
ISC	**IV**	**26 19 50 34**±2.7	**36.5N**±.11	**139.4E**±.12	**110**±30			**13**	**0-2**
JMA	IV	26 19 50 33.7±.1	36.53N±.01	139.39E±.01	109±2				**¶97iv4601**
ISC	**IV**	**27 05 04 59**±1.4	**36.6N**±.22	**139.8E**±.36	**124**			**8**	**0-3**
JMA	IV	27 05 04 59.3±.3	36.55N±.02	139.88E±.02	124±3				**¶97iv4664**
ISC	**IV**	**27 17 18 49**±2.0	**38.77N**±.068	**140.9E**±.17	**93**±23			**14**	**0-2**
JMA	IV	27 17 18 49.0±.1	38.77N±.00	140.89E±.01	94±2				**¶97iv4766**
ISC	**IV**	**28 12 31 19**±1.2	**39.51N**±.054	**140.4E**±.15	**156**±13			**28**	**0-6**
JMA	IV	28 12 31 20.1±.2	39.49N±.01	140.38E±.01	142±2				**¶97iv4920**
ISC	**IV**	**28 13 14 21**±1.4	**36.19N**±.066	**138.67E**±.099	**153**±16			**33**	**0-5**
JMA	IV	28 13 14 21.4±.1	36.18N±.01	138.69E±.01	147±2				**¶97iv4923**
ISC	**IV**	**28 16 22 48.5**±.25	**36.06N**±.022	**139.93E**±.035	**64**±4.2	**3.7b**		**99**	**0-92**
NEIC	IV	28 16 22 48.3	36.18N	139.95E	61				**¶97iv4952**
JMA	IV	28 16 22 48.6±.1	36.07N±.01	139.87E±.01	52±2	3.7			
EIDC	IV	28 16 22 48.9	36.2N	140.0E	50	3.4b,3.0L			
NEIC	Less reliable solution.								
ISC	**IV**	**28 16 42 55.6**±.58	**35.9N**±.11	**138.9E**±.12	**132**			**12**	**0-2**
JMA	IV	28 16 42 55.5±.2	35.93N±.01	138.96E±.01	132±2				**¶97iv4955**
JMA	**IV**	**29 01 14 02.7**±.2	**36.29N**±.01	**139.52E**±.02	**82**±2				**¶97iv4997**
ISC	**IV**	**29 06 28 48**±1.6	**36.10N**±.089	**138.7E**±.11	**142**±19			**20**	**0-4**
JMA	IV	29 06 28 48.2±.2	36.09N±.01	138.73E±.01	147±2				**¶97iv5031**
ISC	**IV**	**29 10 50 58**±1.2	**37.1N**±.18	**140.0E**±.29	**103**			**4**	**0-1**
JMA	IV	29 10 50 58.2±.3	37.12N±.01	140.09E±.02	103±4				**¶97iv5065**
ISC	Poorly determined								
ISC	**IV**	**29 11 50 45**±5.2	**39.6N**±.14	**142.0E**±.32	**88**±42			**12**	**0-2**
JMA	IV	29 11 50 45.2±.1	39.58N±.01	141.93E±.01	84±1				**¶97iv5072**
JMA	**IV**	**29 14 12 07.2**±.4	**35.80N**±.08	**137.36E**±.05	**256**				**¶97iv5090**
ISC	**IV**	**30 03 28 08.0**±.74	**37.54N**±.034	**139.14E**±.046	**9**±7.1			**31**	**0-3**
JMA	IV	30 03 28 08.3±.1	37.55N±.01	139.16E±.01	13±3	3.1			**¶97iv5156**
ISC	**IV**	**30 13 19 37**±3.6	**36.2N**±.23	**137.3E**±.32	**283**±40			**15**	**1-5**
JMA	IV	30 13 19 37.1±.2	36.29N±.03	137.22E±.03	279±3				**¶97iv5222**
JMA	**IV**	**30 14 54 01.8**±.3	**36.37N**±.02	**139.78E**±.02	**123**±2				**¶97iv5228**
ISC	**V**	**01 07 59 21.3**±.45	**37.74N**±.031	**140.65E**±.064	**108**±7.8			**64**	**0-7**
JMA	V	01 07 59 22.5±.1	37.73N±.01	140.56E±.01	93±2				**¶97v0060**
ISC	**V**	**01 16 56 49**±2.7	**36.3N**±.14	**137.5E**±.15	**266**±26			**29**	**0-5**
JMA	V	01 16 56 51.0±.4	36.26N±.02	137.55E±.02	245±4				**¶97v0127**
ISC	**V**	**01 19 40 39**±1.3	**37.3N**±.14	**141.0E**±.31	**91**			**7**	**0-1**
JMA	V	01 19 40 38.5±.3	37.25N±.02	140.96E±.04	91±3				**¶97v0145**
ISC	**V**	**01 21 00 41**±1.7	**37.0N**±.18	**140.9E**±.34	**82**			**6**	**0-1**
JMA	V	01 21 00 40.8±.3	36.99N±.01	140.95E±.04	82±3				**¶97v0156**
ISC	**V**	**01 23 22 26.9**±.90	**36.71N**±.036	**137.87E**±.054	**11**±7.8			**25**	**0-2**
JMA	V	01 23 22 27.3±.1	36.67N±.01	137.86E±.01	14±2	3.0			**¶97v0176**
ISC	**V**	**02 00 12 16.7**±.67	**36.74N**±.034	**138.03E**±.042	**10**±6.1	3.1b		**35**	**0-65**
JMA	V	02 00 12 17.1±.1	36.70N±.01	138.01E±.01	16±3	3.1			**¶97v0179**
ISC	**V**	**02 22 26 21**±1.9	**36.5N**±.34	**139.5E**±.34	**126**			**6**	**0-1**
JMA	V	02 22 26 21.1±.3	36.57N±.02	139.45E±.02	126±2				**¶97v0337**
ISC	**V**	**03 11 23 52**±6.2	**39.0N**±.15	**141.0E**±.30	**100**±57			**9**	**0-1**
JMA	V	03 11 23 53.4±.1	39.03N±.01	141.01E±.01	92±2				**¶97v0425**
JMA	**V**	**03 17 22 16.5**±.3	**36.03N**±.02	**139.54E**±.02	**93**±3				**¶97v0475**
JMA	**V**	**03 18 31 17.6**±.4	**36.06N**±.02	**139.97E**±.02	**68**±3				**¶97v0482**
ISC	**V**	**04 02 14 21.8**±.62	**38.69N**±.035	**140.72E**±.051	**1**±7.2			**24**	**0-3**
JMA	V	04 02 14 22.4±.0	38.69N±.00	140.71E±.00	10±2	3.1			**¶97v0543**
ISC	**V**	**04 10 12 54**±4.4	**35.5N**±.50	**138.7E**±.92	**167**			**5**	**1-2**
JMA	V	04 10 12 53.3±.3	35.55N±.03	138.63E±.05	167				**¶97v0620**
ISC	Poorly determined								
ISC	**V**	**04 10 30 10**±4.3	**36.0N**±.12	**138.9E**±.13	**144**±45			**14**	**0-1**
JMA	V	04 10 30 10.0±.2	35.96N±.01	138.93E±.01	142±2				**¶97v0622**
ISC	**V**	**05 07 36 51**±2.3	**38.54N**±.078	**141.0E**±.17	**80**±27			**13**	**0-2**
JMA	V	05 07 36 50.5±.1	38.54N±.00	140.96E±.01	83±1				**¶97v0756**
ISC	**V**	**05 18 02 46.6**±.67	**38.26N**±.035	**140.25E**±.046	**5**±6.9			**25**	**0-2**
JMA	V	05 18 02 47.1±.0	38.26N±.00	140.25E±.00	11±2	2.9			**¶97v0829**
ISC	**V**	**05 18 02 51**±4.4	**38.3N**±.22	**140.2E**±.32	**9**			**14**	**1-2**
JMA	V	05 18 02 50.4±.5	38.28N±.03	140.26E±.04	9±5	3.1			**¶97v0830**
ISC	**V**	**05 18 09 01.5**±.67	**38.26N**±.038	**140.25E**±.047	**7**±7.0			**22**	**0-2**
JMA	V	05 18 09 01.9±.0	38.26N±.00	140.24E±.00	12±1	2.8			**¶97v0831**
ISC	**V**	**05 20 15 38**±7.0	**39.6N**±.18	**141.6E**±.28	**100**±60			**8**	**0-1**
JMA	V	05 20 15 37.5±.2	39.61N±.01	141.60E±.02	103±2				**¶97v0844**
ISC	**V**	**05 21 19 52.6**±.28	**39.46N**±.026	**141.37E**±.064	**108**±4.4	**3.6b**		**84**	**0-63**
EIDC	V	05 21 19 48.4	39.3N	142.3E	47	3.3b,3.6L			**¶97v0851**
NEIC	V	05 21 19 49.2	39.52N	141.64E	85	3.2b			
JMA	V	05 21 19 54.0±.1	39.47N±.00	141.14E±.01	92±1				
NEIC	Less reliable solution.								
ISC	**V**	**06 11 36 45.0**±.38	**36.65N**±.057	**139.36E**±.086	**127**			**27**	**0-3**
JMA	V	06 11 36 45.2±.1	36.63N±.01	139.35E±.01	127±2				**¶97v0956**
ISC	**V**	**06 21 58 59.7**±.48	**36.83N**±.038	**137.17E**±.048	**5**			**30**	**0-2**
JMA	V	06 21 58 59.8±.1	36.82N±.00	137.17E±.01	5±2	2.9			**¶97v1016**
ISC	**V**	**06 22 06 53.2**±.79	**36.29N**±.033	**139.45E**±.059	**145**±11			**54**	**0-4**
JMA	V	06 22 06 54.3±.1	36.28N±.00	139.43E±.01	132±2				**¶97v1017**
ISC	**V**	**06 22 12 37.7**±.71	**36.84N**±.036	**137.16E**±.043	**0**±6.6			**39**	**0-3**
JMA	V	06 22 12 38.4±.1	36.83N±.00	137.17E±.01	6±2	3.2			**¶97v1018**
ISC	**V**	**06 23 04 59.6**±.83	**36.85N**±.034	**137.16E**±.041	**4**±7.2	3.7b		**40**	**0-66**
JMA	V	06 23 05 00.1±.1	36.83N±.00	137.17E±.01	4±2	3.3			**¶97v1025**
ISC	**V**	**06 23 06 32.7**±.37	**36.86N**±.032	**137.15E**±.037	**4**			**51**	**0-4**
JMA	V	06 23 06 32.8±.1	36.83N±.00	137.17E±.01	4±2	3.6			**¶97v1026**
ISC	**V**	**06 23 30 18.5**±.90	**36.84N**±.046	**137.18E**±.066	**4**±10			**20**	**0-2**
JMA	V	06 23 30 18.9±.1	36.83N±.01	137.17E±.01	5±3	2.8			**¶97v1029**
ISC	**V**	**07 08 07 58**±1.4	**36.6N**±.28	**139.8E**±.24	**94**			**4**	**0-1**
JMA	V	07 08 07 58.3±.3	36.57N±.01	139.81E±.01	94±3				**¶97v1066**
ISC	Poorly determined								
ISC	**V**	**07 09 43 33**±1.2	**36.11N**±.045	**139.51E**±.075	**146**±16			**38**	**0-4**
JMA	V	07 09 43 34.1±.1	36.09N±.01	139.51E±.01	131±2				**¶97v1078**
ISC	**V**	**07 18 04 56**±1.0	**36.71N**±.071	**139.39E**±.086	**13**±9.0			**9**	**0-1**
JMA	V	07 18 04 56.2±.0	36.70N±.00	139.38E±.00	14±1	2.8			**¶97v1131**
ISC	**V**	**07 18 46 04.2**±.36	**35.05N**±.034	**137.89E**±.039	**24**			**32**	**0-2**
JMA	V	07 18 46 04.1±.0	35.08N±.01	137.89E±.01	24±1	3.1			**¶97v1135**
ISC	**V**	**08 09 15 46**±1.5	**39.7N**±.12	**141.9E**±.27	**63**			**7**	**0-1**
JMA	V	08 09 15 45.8±.2	39.67N±.01	141.89E±.02	63±2				**¶97v1211**
JMA	**V**	**08 13 37 53.2**±.2	**36.36N**±.01	**139.88E**±.01	**78**±2				**¶97v1252**
ISC	**V**	**08 13 40 55.4**±.67	**38.27N**±.039	**140.24E**±.050	**8**±7.3			**21**	**0-2**
JMA	V	08 13 40 55.8±.0	38.26N±.00	140.24E±.00	12±1	2.8			**¶97v1253**
ISC	**V**	**09 05 55 04**±4.0	**36.1N**±.14	**137.3E**±.29	**282**±38			**12**	**1-5**
JMA	V	09 05 55 03.7±.3	36.12N±.03	137.26E±.05	281				**¶97v1368**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**09 17 26 38**±5.3	**39.5N**±.15	**140.9E**±.22	**106**±48		**10**	**0-1**
JMA	V	09 17 26 38.2±.1	39.48N±.01	140.94E±.01	103±1		¶97v1456	
ISC	**V**	**10 20 35 16**±2.1	**37.3N**±.11	**141.0E**±.26	**69**±22		**9**	**0-2**
JMA	V	10 20 35 15.7±.2	37.32N±.01	140.99E±.03	71±2		¶97v1661	
ISC	**V**	**11 02 45 37.5**±.65	**36.36N**±.034	**137.97E**±.041	**0**±8.0		**24**	**0-2**
JMA	V	11 02 45 38.1±.0	36.36N±.00	137.98E±.00	8±2	2.8	¶97v1707	
ISC	**V**	**11 21 22 05.6**±.40	**35.17N**±.035	**137.94E**±.036	**29**±5.0		**40**	**0-3**
JMA	V	11 21 22 05.3±.0	35.17N±.00	137.94E±.00	36±1	2.9	¶97v1845	
ISC	**V**	**12 02 24 50**±6.4	**39.8N**±.14	**141.8E**±.40	**79**±51		**9**	**0-1**
JMA	V	12 02 24 51.1±.3	39.78N±.01	141.80E±.02	72±3		¶97v1874	
ISC	**V**	**12 04 19 01**±3.8	**38.61N**±.080	**140.2E**±.24	**128**±42		**14**	**0-2**
JMA	V	12 04 19 00.9±.3	38.62N±.01	140.16E±.03	129±4		¶97v1892	
ISC	**V**	**12 04 39 59.4**±.78	**39.76N**±.044	**141.8E**±.11	**66**±11		**25**	**0-4**
JMA	V	12 04 39 59.7±.1	39.75N±.00	141.82E±.01	61±1		¶97v1893	
ISC	**V**	**12 07 14 57**±7.0	**39.9N**±.23	**141.8E**±.34	**58**±56		**10**	**0-1**
JMA	V	12 07 14 56.3±.1	39.86N±.01	141.80E±.01	62±1		¶97v1912	
ISC	**V**	**12 08 15 28.7**±.87	**39.11N**±.055	**141.2E**±.15	**150**±11		**31**	**0-5**
JMA	V	12 08 15 31.1±.1	39.10N±.01	141.05E±.01	126±2		¶97v1920	
ISC	**V**	**12 11 38 24**±1.1	**36.1N**±.16	**139.8E**±.22	**103**		**8**	**0-1**
JMA	V	12 11 38 24.0±.2	36.10N±.01	139.78E±.01	103±2		¶97v1947	
ISC	**V**	**12 21 54 27**±5.3	**36.4N**±.28	**139.8E**±.24	**85**±57		**7**	**0-1**
JMA	V	12 21 54 25.7±.3	36.48N±.02	139.71E±.02	102±3		¶97v2052	
ISC	**V**	**13 05 42 26**±1.4	**37.2N**±.10	**140.5E**±.12	**131**±13		**29**	**0-7**
JMA	V	13 05 42 29.0±.1	37.32N±.01	140.44E±.01	93±2		¶97v2139	
ISC	**V**	**13 09 10 20.1**±.30	**36.61N**±.025	**139.43E**±.039	**10**		**48**	**0-4**
JMA	V	13 09 10 19.4±.0	36.61N±.00	139.45E±.00	10±2	3.2	¶97v2211	
ISC	**V**	**13 10 00 40**±1.3	**36.5N**±.21	**139.8E**±.28	**118**		**4**	**0-1**
JMA	V	13 10 00 40.4±.5	36.46N±.02	139.87E±.03	118±4		¶97v2221	
ISC	Poorly determined							
ISC	**V**	**13 20 18 57**±2.6	**39.50N**±.080	**141.9E**±.23	**61**±25		**12**	**0-1**
JMA	V	13 20 18 56.6±.0	39.50N±.00	141.87E±.01	61±1	2.4	¶97v2315	
ISC	**V**	**14 09 16 20.1**±.76	**39.05N**±.037	**140.75E**±.054	**9**±8.3		**19**	**0-2**
JMA	V	14 09 16 20.5±.0	39.05N±.00	140.75E±.00	11±1	2.8	¶97v2422	
ISC	**V**	**14 14 08 16.7**±.58	**37.84N**±.042	**140.40E**±.087	**127**±8.7		**46**	**0-7**
JMA	V	14 14 08 18.4±.1	37.83N±.00	140.31E±.01	106±2		¶97v2460	
ISC	**V**	**15 06 15 40.8**±.84	**36.16N**±.036	**139.77E**±.062	**131**±12		**46**	**0-4**
JMA	V	15 06 15 42.0±.2	36.13N±.01	139.75E±.01	115±2		¶97v2571	
ISC	**V**	**15 09 27 26**±1.3	**40.6N**±.16	**140.3E**±.28	**164**		**12**	**0-2**
JMA	V	15 09 27 26.4±.3	40.58N±.02	140.37E±.03	164±3		¶97v2589	
ISC	**V**	**15 23 35 48**±2.3	**38.49N**±.068	**140.5E**±.14	**110**±26		**17**	**0-2**
JMA	V	15 23 35 47.8±.2	38.50N±.01	140.42E±.01	115±2		¶97v2694	
JMA	**V**	**16 11 36 36.1**±.2	**36.32N**±.01	**139.86E**±.01	**68**±2		¶97v2769	
ISC	**V**	**16 13 21 16**±2.1	**36.1N**±.11	**139.4E**±.16	**70**±27		**11**	**0-1**
JMA	V	16 13 21 15.6±.1	36.13N±.01	139.38E±.01	71±2		¶97v2778	
ISC	**V**	**17 01 27 53**±1.5	**39.8N**±.32	**141.6E**±.35	**93**		**5**	**0-1**
JMA	V	17 01 27 52.6±.3	39.77N±.06	141.58E±.07	93		¶97v2863	
ISC	**V**	**17 21 23 23**±1.4	**36.26N**±.096	**140.0E**±.13	**69**±22		**14**	**0-2**
JMA	V	17 21 23 22.8±.3	36.26N±.02	139.93E±.02	78±3		¶97v2988	
ISC	**V**	**18 02 10 27.6**±.90	**37.38N**±.053	**140.8E**±.10	**75**±12		**29**	**0-3**
JMA	V	18 02 10 27.3±.2	37.37N±.01	140.85E±.02	76±2		¶97v3016	
JMA	**V**	**18 08 05 32.5**±.2	**36.34N**±.01	**139.96E**±.01	**73**±2		¶97v3052	
ISC	**V**	**18 13 26 01**±1.2	**37.41N**±.083	**141.0E**±.16	**78**±15		**19**	**0-3**
JMA	V	18 13 26 01.3±.2	37.41N±.01	140.97E±.02	75±2		¶97v3091	
ISC	**V**	**18 14 55 33.6**±.74	**36.61N**±.037	**138.61E**±.048	**167**±9.9		**59**	**0-4**
JMA	V	18 14 55 34.4±.1	36.60N±.00	138.61E±.01	160±1		¶97v3106	
ISC	**V**	**18 17 48 05.7**±.35	**36.63N**±.029	**139.47E**±.042	**9**		**34**	**0-2**
JMA	V	18 17 48 05.6±.1	36.61N±.01	139.47E±.01	9±2	2.9	¶97v3125	
ISC	**V**	**19 08 28 34.1**±.74	**39.6N**±.18	**141.4E**±.28	**112**		**10**	**0-2**
JMA	V	19 08 28 34.1±.2	39.53N±.01	141.42E±.02	112±2		¶97v3222	
ISC	**V**	**19 16 21 47**±4.2	**38.6N**±.26	**141.0E**±.90	**89**		**6**	**0-1**
JMA	V	19 16 21 47.2±.2	38.55N±.01	141.01E±.03	89±2		¶97v3280	
ISC	Poorly determined							
JMA	**V**	**19 21 49 51.2**±.0	**39.82N**±.00	**141.03E**±.01	**116**±1		¶97v3309	
ISC	**V**	**20 00 40 21.6**±.26	**35.84N**±.025	**137.57E**±.027	**12**		**62**	**0-4**
JMA	V	20 00 40 21.0±.0	35.84N±.00	137.59E±.00	12±1	3.6	¶97v3330	
ISC	**V**	**20 01 16 57.9**±.30	**35.86N**±.027	**137.58E**±.032	**12**		**47**	**0-4**
JMA	V	20 01 16 57.2±.0	35.86N±.00	137.57E±.00	12±2	3.5	¶97v3336	
ISC	**V**	**20 01 18 56.7**±.34	**35.87N**±.030	**137.59E**±.037	**13**		**41**	**0-3**
JMA	V	20 01 18 56.1±.0	35.86N±.00	137.58E±.00	13±1	3.2	¶97v3337	
ISC	**V**	**20 01 22 00.2**±.35	**35.86N**±.031	**137.59E**±.036	**12**		**37**	**0-3**
JMA	V	20 01 21 59.8±.0	35.86N±.00	137.57E±.00	12±1	3.2	¶97v3338	
ISC	**V**	**20 01 32 44.1**±.40	**35.87N**±.037	**137.61E**±.037	**12**		**32**	**0-2**
JMA	V	20 01 32 43.5±.0	35.86N±.00	137.58E±.00	12±2	2.8	¶97v3339	
ISC	**V**	**20 02 32 17.1**±.28	**35.85N**±.025	**137.57E**±.030	**12**		**56**	**0-4**
JMA	V	20 02 32 16.4±.0	35.86N±.00	137.57E±.00	12±1	3.5	¶97v3343	
ISC	**V**	**20 22 30 09**±1.3	**37.4N**±.15	**140.8E**±.26	**94**		**6**	**0-1**
JMA	V	20 22 30 09.3±.2	37.33N±.02	140.83E±.04	94		¶97v3470	
ISC	**V**	**20 22 43 18.5**±.61	**35.83N**±.035	**137.60E**±.039	**1**±7.4		**26**	**0-2**
JMA	V	20 22 43 19.1±.0	35.84N±.00	137.59E±.00	12±2	2.9	¶97v3473	
ISC	**V**	**21 04 30 01.6**±.58	**35.83N**±.030	**137.59E**±.035	**0**±6.7		**34**	**0-3**
JMA	V	21 04 30 02.2±.0	35.84N±.00	137.58E±.00	13±2	3.2	¶97v3513	
ISC	**V**	**22 06 35 08**±1.2	**36.08N**±.092	**139.9E**±.11	**28**±11		**13**	**1-2**
JMA	V	22 06 35 07.7±.1	36.08N±.01	139.90E±.01	42±2	3.0	¶97v3721	
ISC	**V**	**22 06 40 50**±5.0	**36.1N**±.15	**138.9E**±.16	**137**±51		**12**	**0-2**
JMA	V	22 06 40 50.8±.2	36.06N±.01	138.87E±.01	137±2		¶97v3722	
ISC	**V**	**22 14 23 45**±2.8	**36.2N**±.13	**138.71E**±.093	**146**±30		**18**	**0-2**
JMA	V	22 14 23 45.0±.1	36.16N±.01	138.71E±.01	149±1		¶97v3780	
ISC	**V**	**22 23 36 20**±4.5	**36.3N**±.39	**139.7E**±.36	**134**±44		**9**	**0-1**
JMA	V	22 23 36 21.9±.3	36.25N±.02	139.67E±.02	118±3		¶97v3849	
ISC	**V**	**23 09 25 07.2**±.35	**35.86N**±.032	**137.61E**±.037	**12**		**39**	**0-3**
JMA	V	23 09 25 06.5±.0	35.86N±.00	137.57E±.00	12±2	2.9	¶97v3925	
ISC	**V**	**23 23 57 26**±3.1	**36.4N**±.12	**140.0E**±.15	**86**±38		**8**	**0-1**
JMA	V	23 23 57 26.4±.3	36.37N±.01	139.97E±.02	83±3		¶97v4022	
ISC	**V**	**24 09 45 11.4**±.78	**36.13N**±.072	**139.84E**±.085	**47**		**18**	**0-2**
JMA	V	24 09 45 11.1±.1	36.11N±.01	139.84E±.01	47±2	3.0	¶97v4091	
ISC	**V**	**24 13 12 17.1**±.63	**38.82N**±.031	**140.66E**±.048	**1**±7.1		**29**	**0-3**
JMA	V	24 13 12 17.7±.0	38.81N±.00	140.65E±.00	9±1	3.0	¶97v4111	
ISC	**V**	**25 04 36 41.7**±.64	**35.06N**±.035	**137.85E**±.039	**12**±6.6		**35**	**0-2**
JMA	V	25 04 36 41.7±.1	35.05N±.01	137.82E±.01	19±1	2.9	¶97v4218	
ISC	**V**	**25 07 55 54**±2.3	**39.76N**±.072	**141.8E**±.22	**63**±20		**16**	**0-2**
JMA	V	25 07 55 54.5±.1	39.75N±.00	141.81E±.01	61±1	3.3	¶97v4238	
ISC	**V**	**25 15 38 00**±6.2	**36.1N**±.29	**140.0E**±.23	**90**±59		**6**	**1-1**
JMA	V	25 15 37 58.9±.2	36.06N±.01	139.99E±.02	99±2		¶97v4293	
ISC	**V**	**26 07 33 18**±2.5	**36.24N**±.069	**138.80E**±.091	**150**±28		**23**	**0-2**
JMA	V	26 07 33 18.6±.2	36.26N±.01	138.80E±.01	150±2		¶97v4384	
JMA	**V**	**26 15 48 49.0**±.2	**36.08N**±.01	**139.57E**±.01	**62**±2		¶97v4435	
ISC	**V**	**26 23 03 42**±1.0	**39.3N**±.14	**141.4E**±.55	**73**		**5**	**0-1**
JMA	V	26 23 03 42.0±.1	39.26N±.01	141.35E±.02	73±2		¶97v4478	
ISC	**V**	**27 15 02 10.3**±.35	**35.87N**±.032	**137.59E**±.036	**12**		**35**	**0-2**
JMA	V	27 15 02 09.7±.0	35.87N±.00	137.56E±.00	12±1	2.9	¶97v4584	
ISC	**V**	**27 17 29 56.9**±.37	**35.87N**±.032	**137.60E**±.038	**11**		**36**	**0-3**
JMA	V	27 17 29 56.4±.0	35.87N±.00	137.57E±.00	11±2	2.9	¶97v4596	
ISC	**V**	**27 21 33 19.5**±.33	**35.87N**±.030	**137.59E**±.035	**12**		**40**	**0-3**
JMA	V	27 21 33 19.0±.0	35.87N±.00	137.57E±.00	12±1	3.2	¶97v4612	
ISC	**V**	**27 22 28 55.0**±.42	**36.20N**±.030	**139.84E**±.049	**42**±25		**42**	**0-4**
JMA	V	27 22 28 54.6±.1	36.20N±.01	139.80E±.01	54±2	3.0	¶97v4617	
ISC	**V**	**28 18 20 16**±1.4	**36.30N**±.053	**139.02E**±.085	**91**±18		**23**	**0-2**
JMA	V	28 18 20 15.6±.1	36.30N±.01	139.03E±.01	93±2		¶97v4756	
ISC	**V**	**28 20 55 58.4**±.17	**36.37N**±.027	**137.10E**±.032	**283**±2.7	**3.8b**	**189**	**0-150**
MOS	V	28 20 55 57.3	36.4N	137.1E	270	4.5b	¶97v4774	
NEIC	V	28 20 55 57.4	36.20N	136.99E	275			
BJI	V	28 20 55 58.1	36.29N	137.16E	307	4.3b		
JMA	V	28 20 55 59.1±.1	36.31N±.01	137.06E±.01	277±1	4.2		
EIDC	V	28 20 55 59.1	36.3N	137.1E	273	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**29 01 04 47**±4.1	**38.3N**±.11	**140.7E**±.28	**99**±42		**10**	**0-1**
JMA	V	29 01 04 46.5±.3	38.31N±.01	140.68E±.03	103±3		¶97v4796	
JMA	**V**	**29 01 34 10.4**±.4	**36.27N**±.03	**139.95E**±.02	**108**±3		¶97v4799	
ISC	**V**	**29 03 33 47**±4.3	**38.0N**±.16	**140.7E**±.51	**129**±42		**9**	**0-2**
JMA	V	29 03 33 47.6±.1	38.03N±.01	140.75E±.03	121±2		¶97v4815	
ISC	**V**	**29 09 54 36.4**±.70	**36.57N**±.040	**139.19E**±.049	**9**±7.5		**23**	**0-2**
JMA	V	29 09 54 36.8±.1	36.57N±.01	139.19E±.01	10±3	2.8	¶97v4851	
ISC	**V**	**29 18 29 03.4**±.87	**39.2N**±.12	**141.3E**±.40	**108**		**8**	**0-1**
JMA	V	29 18 29 03.4±.2	39.23N±.01	141.34E±.03	108±2		¶97v4912	
ISC	**V**	**29 22 30 09**±1.2	**38.8N**±.13	**140.5E**±.28	**140**		**11**	**0-2**
JMA	V	29 22 30 09.1±.2	38.77N±.01	140.54E±.02	140±2		¶97v4930	
ISC	**V**	**29 23 17 59**±1.3	**39.8N**±.15	**141.8E**±.28	**65**		**8**	**0-1**
JMA	V	29 23 17 58.9±.2	39.80N±.01	141.79E±.02	65±2		¶97v4939	
ISC	**V**	**30 08 34 42**±2.7	**39.85N**±.086	**141.7E**±.24	**73**±24		**14**	**0-2**
JMA	V	30 08 34 42.1±.1	39.84N±.00	141.74E±.01	70±1		¶97v5005	
ISC	**V**	**30 12 19 07**±3.2	**37.3N**±.15	**140.4E**±.21	**96**±30		**10**	**0-2**
JMA	V	30 12 19 07.2±.3	37.24N±.01	140.46E±.03	94±3		¶97v5034	
ISC	**V**	**30 23 53 41**±1.0	**36.70N**±.066	**139.39E**±.086	**11**±9.6		**9**	**0-1**
JMA	V	30 23 53 41.5±.1	36.68N±.01	139.38E±.01	12±2	2.9	¶97v5119	
ISC	**V**	**31 00 23 40.6**±.96	**36.16N**±.052	**139.13E**±.085	**76**±16		**26**	**0-4**
JMA	V	31 00 23 40.1±.1	36.18N±.01	139.14E±.01	82±2		¶97v5122	
ISC	**V**	**31 00 30 42.8**±.88	**36.61N**±.054	**139.44E**±.058	**10**±9.3		**16**	**0-2**
JMA	V	31 00 30 43.0±.0	36.61N±.00	139.45E±.00	11±2	2.9	¶97v5123	
ISC	**V**	**31 01 59 12**±1.6	**39.3N**±.19	**141.2E**±.67	**114**		**6**	**0-2**
JMA	V	31 01 59 12.3±.2	39.28N±.01	141.26E±.05	114±2		¶97v5139	
ISC	**V**	**31 13 25 28.8**±.34	**35.84N**±.030	**137.58E**±.035	**11**		**35**	**0-2**
JMA	V	31 13 25 28.5±.0	35.82N±.00	137.56E±.00	11±1	2.8	¶97v5197	
ISC	**V**	**31 14 02 14**±2.2	**39.3N**±.18	**140.5E**±.45	**151**		**9**	**0-1**
JMA	V	31 14 02 14.3±.2	39.29N±.01	140.52E±.02	151±2		¶97v5200	
ISC	**VI**	**01 13 52 21.6**±.61	**36.4N**±.10	**139.0E**±.12	**131**		**15**	**0-2**
JMA	VI	01 13 52 21.5±.2	36.41N±.01	138.97E±.01	131±2		¶97vi0093	
ISC	**VI**	**01 17 19 05.3**±.23	**36.92N**±.028	**137.90E**±.041	**249**±3.6	**3.7b**	**134**	**0-73**
MOS	VI	01 17 19 04.8	36.9N	138.0E	242	4.0b	¶97vi0116	
NEIC	VI	01 17 19 05.4	36.86N	137.86E	243			
EIDC	VI	01 17 19 06.2	36.9N	137.9E	231	3.4b		
JMA	VI	01 17 19 06.8±.1	36.88N±.00	137.88E±.01	236±1	4.1		
NEIC	Single network solution.							
ISC	**VI**	**02 02 27 27**±1.2	**37.24N**±.061	**140.6E**±.12	**84**±16		**17**	**0-2**
JMA	VI	02 02 27 27.3±.1	37.22N±.01	140.61E±.01	85±2		¶97vi0166	
ISC	**VI**	**02 04 57 58**±1.3	**40.7N**±.19	**140.3E**±.24	**149**		**10**	**0-2**
JMA	VI	02 04 57 58.7±.4	40.64N±.02	140.36E±.02	149±4		¶97vi0184	
ISC	**VI**	**02 12 08 14**±7.5	**39.8N**±.22	**141.8E**±.36	**67**±61		**10**	**0-1**
JMA	VI	02 12 08 13.5±.1	39.83N±.01	141.82E±.01	69±1		¶97vi0231	
ISC	**VI**	**02 15 07 08**±1.0	**35.9N**±.36	**138.3E**±.54	**189**		**5**	**0-1**
JMA	VI	02 15 07 08.4±.0	35.93N±.03	138.30E±.04	189		¶97vi0256	
ISC	**VI**	**02 18 17 31**±1.2	**36.4N**±.19	**138.7E**±.27	**146**		**9**	**0-1**
JMA	VI	02 18 17 30.8±.1	36.40N±.01	138.67E±.01	146±1		¶97vi0276	
ISC	**VI**	**02 20 35 48**±1.9	**37.54N**±.099	**140.9E**±.27	**76**±22		**11**	**0-2**
JMA	VI	02 20 35 47.9±.2	37.54N±.01	140.93E±.03	78±2		¶97vi0317	
ISC	**VI**	**04 03 02 16**±5.7	**36.2N**±.12	**139.4E**±.19	**143**±58		**10**	**0-1**
JMA	VI	04 03 02 16.7±.3	36.23N±.01	139.39E±.02	138±3		¶97vi0549	
ISC	**VI**	**04 08 00 26**±1.1	**39.5N**±.14	**141.7E**±.27	**63**		**7**	**0-1**
JMA	VI	04 08 00 26.2±.2	39.50N±.01	141.74E±.02	63±2		¶97vi0578	
ISC	**VI**	**04 08 21 18**±3.8	**38.9N**±.23	**140.5E**±.82	**141**		**8**	**1-1**
JMA	VI	04 08 21 18.6±.2	38.87N±.01	140.60E±.05	141		¶97vi0583	
ISC	**VI**	**04 14 05 50**±3.3	**36.8N**±.36	**139.0E**±.60	**156**		**5**	**1-2**
JMA	VI	04 14 05 50.7±.3	36.73N±.02	139.00E±.04	156±3		¶97vi0623	
ISC	**VI**	**04 17 54 31**±1.1	**36.38N**±.080	**139.96E**±.099	**73**±18		**22**	**0-3**
JMA	VI	04 17 54 30.7±.1	36.37N±.01	139.95E±.01	75±2		¶97vi0654	
ISC	**VI**	**04 19 11 21.0**±.33	**39.79N**±.025	**140.91E**±.050	**11**		**36**	**0-5**
JMA	VI	04 19 11 20.1±.0	39.82N±.00	140.89E±.00	11±2	3.2	¶97vi0660	
ISC	**VI**	**05 09 29 28**±2.5	**39.11N**±.084	**141.5E**±.21	**74**±27		**11**	**0-1**
JMA	VI	05 09 29 28.1±.1	39.11N±.01	141.52E±.02	69±2		¶97vi0741	
ISC	**VI**	**05 13 12 36**±1.6	**39.4N**±.15	**140.7E**±.31	**113**		**8**	**0-1**
JMA	VI	05 13 12 35.9±.1	39.42N±.01	140.69E±.01	113±1		¶97vi0775	
ISC	**VI**	**05 22 56 17**±1.3	**39.4N**±.29	**141.4E**±.56	**104**		**6**	**0-1**
JMA	VI	05 22 56 17.0±.2	39.37N±.01	141.46E±.02	104±2		¶97vi0846	
ISC	Poorly determined							
ISC	**VI**	**06 02 00 13.8**±.54	**35.52N**±.043	**138.93E**±.067	**18**±11		**21**	**0-2**
JMA	VI	06 02 00 14.0±.0	35.52N±.00	138.94E±.00	25±1	2.8	¶97vi0864	
ISC	**VI**	**06 07 19 07.1**±.30	**36.55N**±.028	**137.50E**±.032	**9**		**50**	**0-4**
JMA	VI	06 07 19 06.9±.1	36.52N±.01	137.53E±.01	9±3	3.5	¶97vi0900	
ISC	**VI**	**06 08 11 35**±4.6	**37.0N**±.23	**140.8E**±.44	**103**±40		**10**	**0-2**
JMA	VI	06 08 11 35.2±.4	37.07N±.02	140.77E±.05	98±4		¶97vi0910	
ISC	**VI**	**06 09 09 30.9**±.25	**36.06N**±.023	**139.91E**±.037	**67**±4.5	**3.8b**	**98**	**0-92**
NEIC	VI	06 09 09 30.1	36.07N	139.83E	59		¶97vi0917	
EIDC	VI	06 09 09 30.9	36.1N	139.9E	48	3.6b,3.1L		
JMA	VI	06 09 09 31.3±.1	36.07N±.01	139.87E±.01	52±2	3.8		
ISC	**VI**	**06 10 28 45**±3.5	**39.89N**±.092	**140.8E**±.16	**118**±36		**14**	**0-2**
JMA	VI	06 10 28 45.6±.1	39.88N±.00	140.85E±.01	112±1		¶97vi0925	
ISC	**VI**	**06 13 29 34**±2.3	**38.59N**±.075	**140.6E**±.19	**137**±26		**18**	**0-2**
JMA	VI	06 13 29 33.7±.3	38.58N±.01	140.60E±.03	144±3		¶97vi0939	
ISC	**VI**	**07 02 20 57**±2.9	**37.1N**±.17	**140.8E**±.32	**115**±26		**13**	**0-3**
JMA	VI	07 02 20 58.0±.3	37.07N±.02	140.74E±.05	108±3		¶97vi1029	
ISC	**VI**	**07 03 56 08**±1.6	**39.9N**±.18	**141.7E**±.29	**63**		**7**	**0-1**
JMA	VI	07 03 56 07.6±.4	39.97N±.02	141.73E±.03	63±3		¶97vi1038	
ISC	**VI**	**07 16 24 22**±3.8	**36.3N**±.17	**139.2E**±.17	**129**±37		**10**	**0-1**
JMA	VI	07 16 24 23.8±.3	36.24N±.02	139.24E±.01	112±3		¶97vi1119	
ISC	**VI**	**07 17 28 18.5**±.35	**35.85N**±.031	**137.59E**±.036	**11**		**38**	**0-3**
JMA	VI	07 17 28 17.9±.0	35.85N±.00	137.57E±.00	11±1	2.8	¶97vi1123	
JMA	**VI**	**08 12 47 49.9**±.4	**36.21N**±.02	**139.68E**±.02	**64**±4		¶97vi1239	
ISC	**VI**	**09 02 00 06**±1.2	**37.2N**±.21	**140.8E**±.42	**97**		**8**	**0-2**
JMA	VI	09 02 00 05.9±.4	37.21N±.02	140.83E±.05	97±4		¶97vi1312	

ISC	**VI**	**09 08 45 12**±1.4	**36.7N**±.22	**139.0E**±.16	**131**			**9**	**0-2**
JMA	VI	09 08 45 12.5±.4	36.71N±.03	139.06E±.02	131±4			**¶97vi1366**	
ISC	**VI**	**09 14 26 14.7**±.92	**36.21N**±.053	**139.79E**±.076	**48**±27			**20**	**0-2**
JMA	VI	09 14 26 14.3±.1	36.20N±.01	139.79E±.01	51±2	2.9		**¶97vi1409**	
ISC	**VI**	**10 07 01 19**±5.5	**36.3N**±.26	**139.5E**±.24	**111**±54			**6**	**0-1**
JMA	VI	10 07 01 19.2±.2	36.30N±.01	139.56E±.02	106±2			**¶97vi1486**	
ISC	**VI**	**10 11 27 52**±1.5	**39.1N**±.13	**140.7E**±.29	**109**			**9**	**0-1**
JMA	VI	10 11 27 51.3±.2	39.13N±.01	140.69E±.02	109±2			**¶97vi1513**	
ISC	**VI**	**10 11 55 42**±2.0	**40.45N**±.058	**140.1E**±.21	**178**±18			**32**	**0-5**
JMA	VI	10 11 55 43.2±.2	40.46N±.01	140.10E±.02	163±3			**¶97vi1517**	
ISC	**VI**	**10 13 40 53.4**±.60	**36.2N**±.11	**138.8E**±.14	**135**			**14**	**0-1**
JMA	VI	10 13 40 53.8±.2	36.22N±.01	138.80E±.01	135±2			**¶97vi1530**	
JMA	**VI**	**10 19 31 04.7**±.2	**35.48N**±.03	**137.46E**±.03	**60**			**¶97vi1561**	
ISC	**VI**	**10 20 22 10.6**±.27	**36.05N**±.024	**139.95E**±.039	**62**±5.1	**3.6b**		**71**	**0-92**
NEIC	VI	10 20 22 10.2	36.13N	139.90E	61			**¶97vi1562**	
JMA	VI	10 20 22 10.7±.1	36.06N±.01	139.90E±.01	51±2	3.7			
EIDC	VI	10 20 22 11.0	36.2N	140.0E	47	3.4b,3.2L			
NEIC	Less reliable solution.								
ISC	**VI**	**10 22 31 24**±2.6	**36.27N**±.069	**139.3E**±.11	**141**±30			**23**	**0-2**
JMA	VI	10 22 31 24.0±.2	36.26N±.01	139.27E±.01	139±2			**¶97vi1573**	
ISC	**VI**	**11 19 43 49**±2.7	**37.2N**±.16	**140.9E**±.33	**102**±27			**10**	**0-2**
JMA	VI	11 19 43 49.5±.2	37.23N±.02	140.84E±.04	98±3			**¶97vi1739**	
ISC	**VI**	**11 19 55 56**±3.2	**37.2N**±.16	**141.0E**±.37	**101**±32			**11**	**0-2**
JMA	VI	11 19 55 56.4±.3	37.20N±.02	140.94E±.05	98±3			**¶97vi1740**	
ISC	**VI**	**12 19 51 10**±3.3	**36.1N**±.20	**139.6E**±.57	**60**			**6**	**0-1**
JMA	VI	12 19 51 10.3±.2	36.09N±.01	139.58E±.01	60±2	2.1		**¶97vi1890**	
ISC	Poorly determined								
ISC	**VI**	**13 00 23 00**±2.0	**37.2N**±.24	**141.0E**±.28	**68**			**6**	**0-1**
JMA	VI	13 00 23 00.0±.2	37.23N±.01	140.97E±.01	68±2			**¶97vi1910**	
ISC	**VI**	**13 08 41 07.6**±.41	**35.01N**±.038	**138.44E**±.042	**25**			**32**	**0-3**
JMA	VI	13 08 41 07.5±.0	35.03N±.00	138.42E±.00	25±1	2.9		**¶97vi1955**	
ISC	**VI**	**13 11 34 41**±1.8	**38.06N**±.061	**140.0E**±.13	**126**±20			**21**	**0-2**
JMA	VI	13 11 34 41.5±.2	38.07N±.01	140.03E±.01	124±2			**¶97vi1981**	
ISC	**VI**	**13 13 38 40**±1.5	**39.5N**±.19	**140.1E**±.26	**166**			**10**	**0-1**
JMA	VI	13 13 38 40.2±.3	39.48N±.02	140.14E±.02	166±3			**¶97vi1995**	
ISC	**VI**	**13 15 49 25.0**±.36	**39.74N**±.027	**141.92E**±.068	**73**±6.6	**3.6b**		**65**	**0-64**
NEIC	VI	13 15 49 23.5	39.78N	142.18E	68			**¶97vi2011**	
EIDC	VI	13 15 49 23.6	39.8N	142.4E	50	3.4b,3.2L			
JMA	VI	13 15 49 25.6±.1	39.75N±.00	141.81E±.01	62±1	3.3			
NEIC	Less reliable solution.								
ISC	**VI**	**14 02 08 37.6**±.69	**36.14N**±.039	**139.86E**±.066	**48**±26			**28**	**0-4**
JMA	VI	14 02 08 37.4±.1	36.13N±.00	139.84E±.01	50±2	3.1		**¶97vi2073**	
ISC	**VI**	**15 05 11 20.7**±.65	**39.48N**±.041	**140.27E**±.098	**192**±9.2			**50**	**0-6**
JMA	VI	15 05 11 22.5±.1	39.47N±.00	140.19E±.01	170±1			**¶97vi2246**	
JMA	**VI**	**15 10 45 32.4**±.2	**40.51N**±.02	**140.64E**±.04	**161**			**¶97vi2282**	
ISC	**VI**	**15 16 20 52**±5.2	**35.9N**±.16	**138.8E**±.24	**161**±50			**12**	**0-2**
JMA	VI	15 16 20 51.4±.3	35.87N±.01	138.81E±.02	164±2			**¶97vi2329**	
ISC	**VI**	**16 00 34 36**±1.0	**39.8N**±.13	**141.7E**±.24	**69**			**7**	**0-1**
JMA	VI	16 00 34 35.9±.1	39.79N±.01	141.68E±.01	69±1			**¶97vi2383**	
ISC	**VI**	**16 18 18 33**±6.3	**39.6N**±.15	**141.2E**±.22	**86**±56			**9**	**0-1**
JMA	VI	16 18 18 33.6±.1	39.57N±.01	141.22E±.01	85±2			**¶97vi2498**	
ISC	**VI**	**17 00 39 02**±1.6	**36.2N**±.45	**139.9E**±.35	**102**			**4**	**0-1**
JMA	VI	17 00 39 01.5±.3	36.13N±.02	139.88E±.02	102±3			**¶97vi2532**	
ISC	Poorly determined								
ISC	**VI**	**17 17 48 37.6**±.94	**36.23N**±.061	**137.72E**±.073	**254**±11			**63**	**0-9**
JMA	VI	17 17 48 40.6±.2	36.24N±.01	137.76E±.01	222±2			**¶97vi2671**	
ISC	**VI**	**18 14 49 04**±4.2	**39.5N**±.11	**141.3E**±.19	**81**±41			**9**	**0-1**
JMA	VI	18 14 49 03.9±.2	39.46N±.01	141.31E±.02	79±2			**¶97vi2800**	
ISC	**VI**	**18 19 58 03.1**±.46	**36.20N**±.031	**139.80E**±.049	**45**±21			**42**	**0-4**
JMA	VI	18 19 58 02.6±.1	36.19N±.01	139.79E±.01	54±2	3.1		**¶97vi2826**	
ISC	**VI**	**18 22 20 47**±2.9	**40.0N**±.13	**141.0E**±.16	**102**±28			**15**	**0-3**
JMA	VI	18 22 20 47.2±.2	39.96N±.01	141.02E±.02	100±2			**¶97vi2836**	
ISC	**VI**	**19 02 49 23**±1.4	**36.0N**±.10	**140.0E**±.13	**18**±20			**7**	**1-2**
JMA	VI	19 02 49 23.0±.2	36.06N±.01	139.88E±.01	44±2	2.8		**¶97vi2861**	
ISC	**VI**	**19 08 46 52.3**±.78	**39.1N**±.13	**141.3E**±.25	**114**			**12**	**0-1**
JMA	VI	19 08 46 52.1±.5	39.10N±.02	141.37E±.05	114±4			**¶97vi2885**	
ISC	**VI**	**19 19 13 15.0**±.65	**36.70N**±.036	**139.34E**±.044	**2**±7.2			**23**	**0-2**
JMA	VI	19 19 13 15.5±.1	36.69N±.01	139.33E±.01	8±2	2.9		**¶97vi2950**	
ISC	**VI**	**19 21 16 53**±1.2	**39.7N**±.31	**141.6E**±.24	**65**			**7**	**0-1**
JMA	VI	19 21 16 53.2±.2	39.72N±.01	141.56E±.01	65±2			**¶97vi2957**	
ISC	**VI**	**19 21 56 23**±1.3	**36.62N**±.074	**137.7E**±.11	**243**±13			**47**	**0-9**
JMA	VI	19 21 56 27.1±.2	36.64N±.01	137.84E±.02	205±2			**¶97vi2961**	
ISC	**VI**	**20 01 58 10.5**±.94	**39.1N**±.14	**141.1E**±.23	**92**			**9**	**0-1**
JMA	VI	20 01 58 10.4±.2	39.12N±.01	141.12E±.01	92±2			**¶97vi2988**	
ISC	**VI**	**20 14 25 57.9**±.86	**38.8N**±.13	**140.5E**±.20	**134**			**9**	**0-2**
JMA	VI	20 14 25 57.9±.2	38.83N±.01	140.56E±.02	134±2			**¶97vi3073**	
ISC	**VI**	**20 23 43 42**±1.2	**39.3N**±.21	**141.0E**±.26	**94**			**7**	**0-1**
JMA	VI	20 23 43 42.2±.3	39.26N±.01	141.01E±.01	94±2			**¶97vi3123**	
ISC	**VI**	**21 04 00 12.5**±.49	**36.37N**±.040	**137.23E**±.049	**7**			**26**	**0-2**
JMA	VI	21 04 00 12.5±.0	36.35N±.00	137.19E±.01	7±2	2.8		**¶97vi3153**	
ISC	**VI**	**21 04 49 35**±1.4	**36.1N**±.38	**138.8E**±.20	**140**			**7**	**0-2**
JMA	VI	21 04 49 34.8±.3	36.05N±.03	138.79E±.02	140±3			**¶97vi3160**	
JMA	**VI**	**21 11 08 17.9**±.3	**36.24N**±.01	**139.91E**±.01	**65**±3			**¶97vi3205**	
ISC	**VI**	**22 06 05 53.1**±.34	**35.77N**±.032	**138.06E**±.037	**13**			**35**	**0-3**
JMA	VI	22 06 05 52.6±.0	35.78N±.00	138.03E±.00	13±1	3.2		**¶97vi3333**	
ISC	**VI**	**22 06 26 29.1**±.30	**35.77N**±.027	**138.06E**±.035	**13**			**43**	**0-3**
JMA	VI	22 06 26 28.6±.0	35.78N±.00	138.03E±.00	13±1	3.1		**¶97vi3337**	
ISC	**VI**	**22 21 34 41.0**±.65	**37.82N**±.040	**139.22E**±.053	**2**±6.9			**26**	**0-3**
JMA	VI	22 21 34 41.6±.1	37.81N±.01	139.25E±.01	7±2	2.8		**¶97vi3443**	
ISC	**VI**	**23 04 07 07.3**±.46	**35.95N**±.042	**137.01E**±.044	**8**			**24**	**0-2**
JMA	VI	23 04 07 07.5±.1	35.95N±.00	137.00E±.01	8±2	2.8		**¶97vi3481**	
ISC	**VI**	**23 09 00 49**±2.3	**35.63N**±.096	**138.8E**±.15	**178**±21			**27**	**0-5**
JMA	VI	23 09 00 50.3±.2	35.64N±.01	138.88E±.02	170±2			**¶97vi3504**	
ISC	**VI**	**23 14 39 50**±2.7	**39.56N**±.087	**141.7E**±.25	**112**±24			**15**	**0-3**
JMA	VI	23 14 39 50.9±.2	39.55N±.01	141.70E±.03	100±2			**¶97vi3539**	
ISC	**VI**	**23 17 17 43**±5.1	**39.4N**±.12	**141.1E**±.28	**95**±45			**9**	**0-1**
JMA	VI	23 17 17 43.4±.1	39.37N±.00	141.13E±.01	95±1			**¶97vi3564**	
ISC	**VI**	**23 17 39 05.9**±.55	**36.17N**±.036	**139.70E**±.054	**148**±8.3			**68**	**0-9**
JMA	VI	23 17 39 08.4±.1	36.15N±.00	139.65E±.01	116±2			**¶97vi3568**	
ISC	**VI**	**23 19 45 07**±2.9	**36.4N**±.21	**139.7E**±.20	**142**±27			**16**	**0-3**
JMA	VI	23 19 45 09.2±.2	36.35N±.01	139.77E±.01	124±2			**¶97vi3584**	
ISC	**VI**	**24 05 41 00.7**±.77	**36.62N**±.047	**139.45E**±.055	**7**±7.9			**20**	**0-2**
JMA	VI	24 05 41 01.0±.0	36.61N±.00	139.44E±.01	9±2	2.9		**¶97vi3649**	
ISC	**VI**	**24 05 42 02**±1.2	**36.60N**±.082	**139.4E**±.11	**10**±12			**9**	**0-2**
JMA	VI	24 05 42 02.3±.0	36.61N±.01	139.45E±.00	10±1	2.8		**¶97vi3650**	
ISC	**VI**	**24 12 56 15**±1.8	**39.4N**±.24	**141.1E**±.48	**84**			**7**	**0-1**
JMA	VI	24 12 56 15.5±.2	39.40N±.01	141.17E±.02	84±2			**¶97vi3712**	
ISC	**VI**	**24 23 53 19.5**±.25	**36.07N**±.023	**139.97E**±.038	**66**±3.9	**3.7b**		**94**	**0-92**
NEIC	VI	24 23 53 18.9	36.17N	140.01E	61			**¶97vi3800**	
JMA	VI	24 23 53 19.7±.1	36.08N±.01	139.90E±.01	53±2	3.8			
EIDC	VI	24 23 53 20.0	36.2N	140.0E	48	3.6b			
NEIC	Less reliable solution.								
ISC	**VI**	**25 00 34 59**±1.2	**38.3N**±.23	**140.9E**±.45	**100**			**8**	**0-1**
JMA	VI	25 00 34 59.2±.1	38.29N±.01	140.88E±.02	100±1			**¶97vi3814**	
ISC	**VI**	**25 02 18 33**±2.1	**39.27N**±.081	**141.0E**±.15	**90**±24			**13**	**0-2**
JMA	VI	25 02 18 32.4±.1	39.26N±.00	140.95E±.01	95±1			**¶97vi3831**	
ISC	**VI**	**25 05 56 08.5**±.77	**36.55N**±.043	**138.80E**±.053	**155**±11			**49**	**0-4**
JMA	VI	25 05 56 09.2±.1	36.53N±.01	138.79E±.01	149±1			**¶97vi3856**	
ISC	**VI**	**25 13 07 48**±1.4	**36.9N**±.28	**140.0E**±.45	**127**			**4**	**1-1**
JMA	VI	25 13 07 48.1±.3	36.88N±.02	139.98E±.02	127±3			**¶97vi3942**	
ISC	Poorly determined								
ISC	**VI**	**25 19 38 14**±2.3	**39.81N**±.085	**141.9E**±.22	**63**±18			**15**	**0-3**
JMA	VI	25 19 38 13.9±.1	39.81N±.01	141.90E±.02	62±1			**¶97vi4014**	
ISC	**VI**	**25 21 03 32**±6.3	**39.8N**±.26	**141.4E**±.22	**88**±52			**9**	**0-1**
JMA	VI	25 21 03 33.1±.2	39.80N±.01	141.38E±.01	82±1			**¶97vi4031**	
ISC	**VI**	**26 08 32 30.6**±.34	**36.61N**±.054	**139.08E**±.079	**130**			**38**	**0-4**
JMA	VI	26 08 32 30.7±.1	36.57N±.01	139.06E±.01	130±2			**¶97vi4105**	
JMA	**VI**	**26 13 59 33.4**±.2	**36.04N**±.01	**139.69E**±.01	**83**±2			**¶97vi4151**	
ISC	**VI**	**26 15 14 05.3**±.71	**39.4N**±.14	**140.9E**±.23	**137**			**11**	**0-1**
JMA	VI	26 15 14 05.6±.2	39.38N±.01	140.93E±.02	137±2			**¶97vi4162**	
ISC	**VI**	**26 20 35 08**±1.2	**37.86N**±.051	**139.3E**±.10	**158**±15			**35**	**0-3**
JMA	VI	26 20 35 08.3±.2	37.88N±.01	139.29E±.02	159±3			**¶97vi4198**	
ISC	**VI**	**27 14 45 05**±1.8	**36.5N**±.36	**139.9E**±.22	**86**			**5**	**0-1**
JMA	VI	27 14 45 04.9±.2	36.43N±.01	139.85E±.01	86±2			**¶97vi4311**	
ISC	Poorly determined								
ISC	**VI**	**27 15 45 35**±7.0	**38.1N**±.31	**140E**±1.2	**127**±63			**6**	**0-1**
JMA	VI	27 15 45 35.5±.2	38.18N±.02	140.70E±.06	123			**¶97vi4317**	
ISC	Poorly determined								
ISC	**VI**	**27 17 11 26.1**±.26	**35.86N**±.027	**137.57E**±.028	**12**			**57**	**0-5**
JMA	VI	27 17 11 25.3±.0	35.87N±.00	137.56E±.00	12±1	3.5		**¶97vi4332**	
ISC	**VI**	**27 17 35 33**±1.0	**36.07N**±.053	**139.89E**±.070	**31**±11			**19**	**1-3**
JMA	VI	27 17 35 32.9±.1	36.06N±.01	139.87E±.01	47±2	2.8		**¶97vi4338**	
ISC	**VI**	**28 06 25 59.1**±.43	**35.06N**±.045	**138.20E**±.043	**21**±6.5			**29**	**0-2**
JMA	VI	28 06 25 59.0±.0	35.07N±.00	138.19E±.00	33±1	2.8		**¶97vi4435**	
ISC	**VI**	**28 07 49 13**±1.7	**39.0N**±.18	**140.2E**±.24	**139**			**10**	**0-2**
JMA	VI	28 07 49 13.3±.4	39.02N±.01	140.23E±.02	139±4			**¶97vi4446**	
ISC	**VI**	**28 13 57 45**±1.6	**39.7N**±.20	**140.5E**±.32	**161**			**10**	**0-1**
JMA	VI	28 13 57 45.0±.2	39.67N±.01	140.58E±.02	161±2			**¶97vi4481**	
ISC	**VI**	**29 20 00 50**±2.0	**37.12N**±.085	**140.9E**±.15	**108**±22			**16**	**0-2**
JMA	VI	29 20 00 50.8±.2	37.12N±.01	140.88E±.02	101±2			**¶97vi4655**	
ISC	**VI**	**30 04 59 24**±1.4	**36.4N**±.12	**138.1E**±.12	**208**±15			**21**	**0-7**
JMA	VI	30 04 59 25.4±.3	36.38N±.02	138.22E±.02	194±3			**¶97vi4709**	
ISC	**VI**	**30 10 31 15**±1.4	**36.06N**±.059	**139.6E**±.10	**67**±21			**17**	**0-2**
JMA	VI	30 10 31 15.6±.1	36.06N±.01	139.58E±.01	62±2			**¶97vi4746**	
ISC	**VI**	**30 18 07 57.7**±.87	**35.6N**±.11	**137.6E**±.18	**71**			**7**	**0-1**
JMA	VI	30 18 07 57.8±.2	35.57N±.01	137.55E±.01	71±2			**¶97vi4800**	
ISC	**VI**	**30 18 48 44**±1.1	**39.3N**±.14	**141.6E**±.29	**64**			**6**	**0-1**
JMA	VI	30 18 48 43.4±.2	39.25N±.01	141.63E±.01	64±2			**¶97vi4807**	
ISC	**VI**	**30 20 04 34**±1.8	**39.6N**±.21	**141.2E**±.39	**86**			**7**	**0-1**
JMA	VI	30 20 04 33.6±.2	39.65N±.01	141.23E±.02	86±2			**¶97vi4818**	

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ISC	**I**	**01 09 20 59.4**±.90	**34.98N**±.056	**140.26E**±.062	**83**±11			**42**	**0-5**
JMA	I	01 09 20 59.8±.2	34.96N±.01	140.16E±.01	80±2			**¶97i0049**	
ISC	**I**	**01 11 19 36**±1.3	**37.03N**±.063	**141.9E**±.14	**32**			**35**	**1-4**
JMA	I	01 11 19 34.2±.3	36.98N±.01	141.92E±.02	32±5	3.5		**¶97i0066**	
NEIC	I	01 11 19 36.1	37.07N	141.68E	10				
NEIC	Poor solution.								
ISC	**I**	**01 11 40 40**±1.3	**40.32N**±.031	**142.40E**±.071	**29**±15			**45**	**1-5**
JMA	I	01 11 40 40.1±.1	40.35N±.01	142.28E±.01	39±3	3.3		**¶97i0067**	
ISC	**I**	**01 12 56 01**±2.2	**37.0N**±.11	**141.9E**±.21	**29**			**22**	**1-3**
JMA	I	01 12 56 00.5±.4	37.00N±.01	141.88E±.02	29±5	3.1		**¶97i0076**	
ISC	**I**	**01 14 02 37**±1.1	**40.57N**±.041	**141.1E**±.12	**108**±17			**27**	**0-4**
JMA	I	01 14 02 37.7±.1	40.57N±.01	141.00E±.02	102±2			**¶97i0079**	
ISC	**I**	**01 19 00 56**±2.8	**37.0N**±.15	**141.9E**±.24	**29**			**17**	**1-3**
JMA	I	01 19 00 56.1±.4	37.01N±.02	141.81E±.04	29	2.9		**¶97i0104**	
JMA	**I**	**01 20 53 58.9**±.1	**36.14N**±.01	**140.07E**±.01	**66**±1			**¶97i0117**	
JMA	**I**	**02 09 50 27.8**±.2	**36.42N**±.02	**140.57E**±.02	**90**±2			**¶97i0187**	
ISC	**I**	**02 16 36 32**±5.3	**36.0N**±.21	**141.8E**±.47	**56**			**10**	**1-2**
JMA	I	02 16 36 32.4±.5	36.01N±.02	141.75E±.05	56	2.9		**¶97i0248**	
ISC	**I**	**02 22 56 37**±3.3	**37.6N**±.17	**141.6E**±.44	**68**			**6**	**1-1**
JMA	I	02 22 56 37.3±.3	37.60N±.01	141.54E±.03	68±4			**¶97i0283**	
ISC	**I**	**03 04 20 28.2**±.80	**40.40N**±.049	**142.3E**±.12	**40**±64			**20**	**1-3**
JMA	I	03 04 20 27.7±.2	40.41N±.01	142.25E±.02	45±3	3.3		**¶97i0317**	
ISC	**I**	**03 06 00 00**±1.7	**37.2N**±.10	**141.1E**±.22	**87**±18			**14**	**0-2**
JMA	I	03 06 00 00.2±.2	37.21N±.01	141.05E±.02	82±2			**¶97i0335**	
ISC	**I**	**03 14 00 06**±2.4	**34.6N**±.17	**140.2E**±.13	**63**±26			**17**	**0-2**
JMA	I	03 14 00 06.5±.3	34.61N±.03	140.17E±.02	65±4			**¶97i0388**	
ISC	**I**	**03 16 50 05**±5.4	**34.7N**±.55	**140.3E**±.34	**57**±46			**7**	**0-1**
JMA	I	03 16 50 03.3±.4	34.68N±.03	140.29E±.04	69±4			**¶97i0404**	
ISC	**I**	**03 20 36 00**±7.2	**36.4N**±.10	**141.7E**±.24	**8**±53			**11**	**1-3**
JMA	I	03 20 35 59.7±.5	36.32N±.02	141.85E±.05	60	2.8		**¶97i0424**	
ISC	**I**	**04 01 22 56**±1.8	**37.93N**±.077	**141.7E**±.20	**91**±22			**19**	**1-2**
JMA	I	04 01 22 56.6±.1	37.93N±.01	141.66E±.02	85±3			**¶97i0456**	
ISC	**I**	**04 03 20 38**±1.6	**38.19N**±.050	**142.3E**±.18	**31**			**27**	**1-4**
JMA	I	04 03 20 36.2±.2	38.16N±.01	142.37E±.02	31	3.4		**¶97i0468**	
ISC	**I**	**04 05 53 10**±1.5	**35.58N**±.069	**140.29E**±.094	**80**±19			**28**	**0-2**
JMA	I	04 05 53 09.8±.2	35.61N±.01	140.23E±.02	82±3			**¶97i0485**	
ISC	**I**	**04 07 12 33**±1.0	**35.98N**±.072	**140.1E**±.10	**60**±23			**23**	**1-4**
JMA	I	04 07 12 32.5±.1	35.97N±.01	140.10E±.01	65±2			**¶97i0493**	
ISC	**I**	**04 08 38 21.6**±.53	**36.75N**±.030	**141.99E**±.057	**37**±5.2	**3.7b**		**120**	**1-146**
JMA	I	04 08 38 21.0±.3	36.75N±.01	141.82E±.02	20±5	4.1		**¶97i0504**	
NEIC	I	04 08 38 23.5	36.74N	141.70E	50				
EIDC	I	04 08 38 24.5	36.7N	141.7E	41	3.5b,3.4L			
NEIC	Less reliable solution.								
ISC	**I**	**04 11 00 36**±1.6	**36.89N**±.077	**140.8E**±.16	**109**±19			**17**	**0-3**
JMA	I	04 11 00 36.9±.2	36.89N±.01	140.77E±.02	95±2			**¶97i0528**	
ISC	**I**	**04 13 22 31**±3.3	**38.3N**±.12	**141.0E**±.34	**78**±38			**7**	**0-1**
JMA	I	04 13 22 31.0±.1	38.26N±.00	141.03E±.01	78±1			**¶97i0541**	
JMA	**I**	**04 19 13 50.6**±.4	**35.90N**±.03	**140.26E**±.04	**85**±4			**¶97i0575**	
JMA	**I**	**04 20 33 47.8**±.3	**35.63N**±.02	**140.54E**±.02	**64**±2			**¶97i0583**	
ISC	**I**	**05 02 45 52.6**±.79	**40.45N**±.038	**141.5E**±.11	**94**±15			**28**	**0-4**
JMA	I	05 02 45 53.2±.1	40.45N±.00	141.44E±.02	87±2			**¶97i0607**	
ISC	**I**	**05 07 32 39**±6.5	**36.3N**±.37	**141.6E**±.45	**45**			**11**	**1-3**
JMA	I	05 07 32 35.8±.6	36.29N±.02	141.78E±.05	45	2.8		**¶97i0637**	
ISC	**I**	**05 11 49 32**±2.0	**37.0N**±.11	**141.8E**±.17	**27**			**20**	**1-3**
JMA	I	05 11 49 30.7±.4	37.00N±.01	141.89E±.03	27±4	2.8		**¶97i0664**	
ISC	**I**	**05 23 21 54.6**±.30	**36.19N**±.026	**140.20E**±.043	**65**±4.2	**3.6b**		**77**	**0-91**
NEIC	I	05 23 21 54.1	36.16N	140.22E	63			**¶97i0720**	
EIDC	I	05 23 21 54.3	36.4N	140.4E	36	3.6b,3.3L			
JMA	I	05 23 21 54.8±.1	36.20N±.01	140.12E±.01	53±2	3.9			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**05 23 25 54**±1.8	**36.46N**±.087	**141.0E**±.20	**35**±48		**9**	**0-2**
JMA	I	05 23 25 53.0±.4	36.44N±.02	141.02E±.04	49±4	3.2		¶97i0722
ISC	**I**	**06 07 00 49**±1.4	**34.34N**±.079	**140.3E**±.11	**46**±33		**21**	**0-3**
JMA	I	06 07 00 48.5±.1	34.34N±.01	140.33E±.01	58	3.1		¶97i0759
JMA	**I**	**06 09 02 13.8**±.3	**36.63N**±.02	**140.80E**±.03	**85**±3			¶97i0765
ISC	**I**	**06 09 46 55**±5.8	**38.0N**±.20	**142.3E**±.60	**37**		**8**	**1-2**
JMA	I	06 09 46 54.2±.4	38.03N±.01	142.36E±.03	37	2.8		¶97i0770
ISC	**I**	**06 16 47 32**±3.9	**39.97N**±.037	**142.63E**±.079	**9**±31		**41**	**1-4**
JMA	I	06 16 47 34.5±.2	39.99N±.01	142.50E±.02	34	3.4		¶97i0813
ISC	**I**	**07 06 03 52**±7.9	**40.7N**±.40	**141.7E**±.52	**80**±58		**8**	**0-2**
JMA	I	07 06 03 53.5±.2	40.64N±.01	141.61E±.03	71±2			¶97i0886
ISC	**I**	**07 06 38 12**±1.7	**38.8N**±.14	**141.6E**±.40	**68**		**9**	**0-1**
JMA	I	07 06 38 11.8±.2	38.82N±.01	141.64E±.01	68±2			¶97i0889
ISC	**I**	**07 13 08 07**±1.4	**35.79N**±.064	**140.03E**±.085	**127**±19		**29**	**0-4**
JMA	I	07 13 08 08.4±.2	35.81N±.01	140.02E±.02	108±3			¶97i0922
JMA	**I**	**07 13 18 06.8**±.4	**36.32N**±.03	**140.07E**±.02	**70**±4			¶97i0925
ISC	**I**	**07 14 51 23**±4.4	**37.7N**±.16	**141.8E**±.41	**77**±51		**8**	**1-1**
JMA	I	07 14 51 24.2±.2	37.77N±.01	141.73E±.03	69			¶97i0937
JMA	**I**	**07 15 05 25.3**±.4	**38.90N**±.01	**142.28E**±.04	**61**±4	**2.2**		¶97i0942
ISC	**I**	**07 21 55 14**±1.2	**39.59N**±.042	**142.2E**±.14	**15**		**22**	**0-3**
JMA	I	07 21 55 13.9±.2	39.56N±.01	142.24E±.02	15±2	3.3		¶97i0985
ISC	**I**	**07 23 33 03**±1.6	**34.67N**±.094	**140.3E**±.14	**69**±20		**16**	**0-2**
JMA	I	07 23 33 02.8±.2	34.66N±.01	140.21E±.02	68±3			¶97i0991
ISC	**I**	**08 08 29 24**±1.1	**39.87N**±.047	**142.2E**±.10	**22**±10		**22**	**0-4**
JMA	I	08 08 29 24.9±.3	39.87N±.01	142.15E±.03	30±2	3.1		¶97i1041
ISC	**I**	**08 11 11 23.2**±.73	**35.92N**±.057	**140.27E**±.078	**25**±11		**15**	**1-2**
JMA	I	08 11 11 23.3±.1	35.90N±.01	140.28E±.01	37±2	2.9		¶97i1052
ISC	**I**	**08 12 19 02**±6.0	**36.7N**±.31	**141.6E**±.59	**74**±40		**10**	**1-2**
JMA	I	08 12 19 04.5±.3	36.76N±.01	141.34E±.03	71±4			¶97i1058
ISC	**I**	**08 13 21 27**±1.4	**35.71N**±.070	**141.1E**±.14	**28**±9.5		**21**	**0-4**
JMA	I	08 13 21 27.2±.3	35.76N±.01	141.06E±.03	30±2	2.8		¶97i1068
ISC	**I**	**08 14 00 46**±1.1	**35.73N**±.051	**141.1E**±.10	**30**±9.4		**38**	**0-4**
JMA	I	08 14 00 45.5±.3	35.75N±.01	141.04E±.04	31±2	3.0		¶97i1072
ISC	**I**	**08 17 55 30**±4.3	**34.8N**±.22	**140.1E**±.13	**60**±50		**9**	**0-1**
JMA	I	08 17 55 30.0±.4	34.80N±.03	140.07E±.02	60±4	2.6		¶97i1093
ISC	**I**	**08 21 47 49**±3.8	**37.6N**±.17	**141.7E**±.35	**78**±48		**9**	**1-2**
JMA	I	08 21 47 49.9±.2	37.64N±.01	141.63E±.03	73±4			¶97i1121
ISC	**I**	**09 05 13 16**±1.8	**36.1N**±.18	**140.1E**±.20	**62**		**8**	**1-2**
JMA	I	09 05 13 16.3±.2	36.11N±.01	140.08E±.01	62±2			¶97i1170
ISC	**I**	**09 12 21 43**±1.1	**36.70N**±.068	**141.3E**±.12	**41**		**25**	**1-3**
JMA	I	09 12 21 41.9±.4	36.70N±.02	141.33E±.04	41	2.9		¶97i1214
ISC	**I**	**09 12 52 28**±4.2	**37.0N**±.12	**141.8E**±.22	**2**±19		**18**	**1-3**
JMA	I	09 12 52 28.9±.4	37.02N±.01	141.88E±.03	17	2.8		¶97i1218
JMA	**I**	**09 13 07 26.0**±.6	**36.15N**±.02	**141.32E**±.04	**27**	**2.8**		¶97i1221
ISC	**I**	**09 13 48 38**±4.9	**35.5N**±.11	**140.1E**±.15	**108**±60		**13**	**1-2**
JMA	I	09 13 48 38.9±.3	35.53N±.01	140.01E±.02	103±3			¶97i1228
ISC	**I**	**09 17 19 25.8**±.70	**40.04N**±.031	**141.10E**±.061	**2**±7.7		**26**	**0-3**
JMA	I	09 17 19 26.4±.0	40.04N±.00	141.11E±.01	12±2	3.0		¶97i1254
ISC	**I**	**09 18 44 15**±1.6	**38.80N**±.049	**142.2E**±.20	**44**		**20**	**1-3**
JMA	I	09 18 44 13.9±.2	38.77N±.01	142.28E±.02	44±3	3.1		¶97i1261
ISC	**I**	**09 23 08 19**±2.7	**37.0N**±.15	**141.7E**±.23	**33**		**14**	**1-3**
JMA	I	09 23 08 18.5±.4	36.99N±.01	141.69E±.03	33±5	2.8		¶97i1284
ISC	**I**	**10 02 22 27**±1.1	**35.56N**±.089	**140.2E**±.12	**62**		**9**	**1-2**
JMA	I	10 02 22 27.1±.2	35.57N±.01	140.15E±.02	62±3			¶97i1297
ISC	**I**	**10 03 32 31**±4.9	**40.0N**±.23	**142.4E**±.59	**73**		**8**	**0-2**
JMA	I	10 03 32 31.5±.3	39.93N±.02	142.35E±.03	73±3			¶97i1307
JMA	**I**	**10 11 55 35.2**±.3	**36.12N**±.02	**140.08E**±.02	**64**±3			¶97i1355
ISC	**I**	**10 12 01 03**±2.5	**36.3N**±.11	**141.7E**±.25	**64**		**17**	**1-3**
JMA	I	10 12 01 01.0±.7	36.22N±.02	141.90E±.07	64			¶97i1356
ISC	**I**	**10 12 19 46**±5.0	**34.8N**±.29	**140.1E**±.18	**76**±54		**10**	**0-1**
JMA	I	10 12 19 47.3±.4	34.85N±.02	140.10E±.02	66±4			¶97i1359
JMA	**I**	**10 12 21 10.2**±.3	**34.86N**±.04	**140.05E**±.03	**62**			¶97i1360
ISC	**I**	**10 18 02 21**±1.1	**35.57N**±.092	**140.2E**±.15	**64**		**7**	**1-1**
JMA	I	10 18 02 20.8±.2	35.57N±.01	140.22E±.02	64±3			¶97i1403
ISC	**I**	**10 19 53 06.5**±.27	**40.05N**±.021	**142.12E**±.050	**78**±2.7	**4.4b**	**179**	**0-88**
BJI	I	10 19 53 06.1	40.12N	142.13E	95	4.5b		¶97i1415
NEIC	I	10 19 53 06.3	40.07N	142.04E	70	4.5b		
MOS	I	10 19 53 06.5	40.2N	141.8E	66	4.8b		
JMA	I	10 19 53 07.2±.1	40.08N±.00	142.01E±.01	73±1	4.1		
EIDC	I	10 19 53 08.0	40.0N	142.0E	73	3.9b		
ISC	**I**	**11 02 22 11.3**±.37	**35.58N**±.031	**140.16E**±.044	**71**±5.7	**3.6b**	**71**	**0-70**
EIDC	I	11 02 22 02.6	35.2N	140.1E	0	3.6b		¶97i1451
NEIC	I	11 02 22 05.7	35.28N	140.41E	33			
JMA	I	11 02 22 11.0±.2	35.59N±.01	140.10E±.01	75±2			
NEIC	Poor solution.							
ISC	**I**	**11 03 08 14**±3.2	**39.9N**±.11	**142.7E**±.28	**17**		**12**	**1-2**
JMA	I	11 03 08 11.8±.3	39.87N±.01	142.84E±.02	17±3	3.1		¶97i1453
ISC	**I**	**11 03 13 31**±6.0	**39.86N**±.083	**142.9E**±.36	**5**±25		**14**	**1-3**
JMA	I	11 03 13 31.8±.3	39.88N±.01	142.88E±.02	24±3	3.1		¶97i1454
ISC	**I**	**11 06 51 59**±2.4	**36.4N**±.18	**140.8E**±.25	**58**±22		**15**	**0-3**
JMA	I	11 06 51 59.9±.3	36.43N±.02	140.65E±.03	58±3	2.8		¶97i1482
ISC	**I**	**11 07 57 49**±3.9	**36.8N**±.25	**141.0E**±.39	**96**±29		**14**	**0-2**
JMA	I	11 07 57 50.2±.3	36.79N±.01	140.94E±.03	88±3			¶97i1492
ISC	**I**	**11 08 32 55**±1.9	**35.58N**±.073	**140.1E**±.13	**77**±24		**21**	**0-2**
JMA	I	11 08 32 55.6±.3	35.62N±.01	140.05E±.02	72±3			¶97i1493
ISC	**I**	**11 09 04 19**±2.6	**37.46N**±.086	**142.0E**±.20	**18**±15		**24**	**1-3**
JMA	I	11 09 04 20.2±.2	37.48N±.01	141.89E±.03	42	3.4		¶97i1496
ISC	**I**	**11 11 26 26**±2.3	**35.2N**±.41	**140.3E**±.19	**76**		**7**	**0-1**
JMA	I	11 11 26 25.5±.5	35.24N±.02	140.28E±.03	76±4			¶97i1514
JMA	**I**	**11 12 53 38.3**±.4	**36.49N**±.04	**140.10E**±.02	**108**±3			¶97i1523
ISC	**I**	**11 17 09 49**±5.3	**40.6N**±.23	**141.4E**±.28	**86**±48		**9**	**0-2**
JMA	I	11 17 09 49.1±.2	40.57N±.01	141.37E±.02	87±2			¶97i1550
JMA	**I**	**11 17 54 21.8**±.2	**35.71N**±.01	**140.20E**±.01	**67**±2			¶97i1554
JMA	**I**	**11 18 35 58.8**±.4	**36.13N**±.02	**140.04E**±.02	**67**±3			¶97i1558
JMA	**I**	**11 20 01 25.3**±.3	**40.78N**±.02	**142.11E**±.02	**66**			¶97i1570
ISC	**I**	**11 20 27 23**±2.7	**37.3N**±.13	**141.0E**±.30	**67**±26		**9**	**0-2**
JMA	I	11 20 27 22.6±.3	37.28N±.01	140.98E±.03	65±3			¶97i1573
ISC	**I**	**11 23 26 13**±5.4	**36.6N**±.21	**140.6E**±.35	**100**±51		**8**	**0-1**
JMA	I	11 23 26 14.1±.2	36.63N±.01	140.53E±.01	91±2			¶97i1595
ISC	**I**	**12 00 46 46**±3.1	**36.0N**±.13	**140.2E**±.19	**57**±52		**10**	**1-2**
JMA	I	12 00 46 45.9±.2	35.99N±.01	140.11E±.01	62±2			¶97i1605
ISC	**I**	**12 01 02 19**±6.8	**39.2N**±.13	**142.5E**±.60	**27**±19		**10**	**1-2**
JMA	I	12 01 02 20.2±.2	39.22N±.01	142.41E±.02	29±3	3.0		¶97i1606
JMA	**I**	**12 07 57 44.7**±.4	**35.61N**±.02	**140.22E**±.03	**60**±3	**2.1**		¶97i1643
JMA	**I**	**12 08 12 39.8**±.3	**36.13N**±.01	**140.09E**±.01	**62**±3			¶97i1644
JMA	**I**	**12 08 27 13.4**±.5	**34.75N**±.05	**140.30E**±.02	**73**±4			¶97i1647
ISC	**I**	**12 08 38 27**±2.2	**39.87N**±.061	**142.6E**±.24	**28**		**22**	**1-4**
JMA	I	12 08 38 26.0±.3	39.88N±.01	142.63E±.03	28	3.0		¶97i1651
ISC	**I**	**12 11 03 29**±1.8	**37.83N**±.083	**141.8E**±.21	**83**±24		**20**	**1-3**
JMA	I	12 11 03 29.8±.2	37.85N±.01	141.75E±.02	78±3			¶97i1667
ISC	**I**	**12 11 13 36**±2.2	**36.0N**±.12	**141.2E**±.22	**43**		**14**	**0-3**
JMA	I	12 11 13 36.5±.4	36.04N±.02	141.17E±.03	43±5	2.8		¶97i1669
ISC	**I**	**12 16 21 59.1**±.54	**36.25N**±.036	**141.30E**±.071	**53**±19		**64**	**1-8**
JMA	I	12 16 21 59.5±.2	36.27N±.01	141.15E±.03	37±4	3.6		¶97i1711
NEIC	I	12 16 22 01.7	36.32N	141.01E	33			
NEIC	Poor solution.							
ISC	**I**	**13 00 59 42**±2.2	**39.60N**±.065	**142.3E**±.23	**23**		**16**	**0-2**
JMA	I	13 00 59 41.8±.3	39.62N±.01	142.29E±.02	23±2	3.1		¶97i1761
JMA	**I**	**13 05 56 04.2**±.4	**35.64N**±.02	**140.14E**±.03	**60**±3	**1.9**		¶97i1783
JMA	**I**	**13 07 40 28.1**±.1	**36.51N**±.01	**140.32E**±.01	**68**±1			¶97i1799
ISC	**I**	**13 13 07 39**±1.7	**38.20N**±.071	**141.9E**±.20	**90**±22		**20**	**1-3**
JMA	I	13 13 07 39.7±.1	38.21N±.01	141.89E±.02	83±3			¶97i1843
ISC	**I**	**13 17 53 19.7**±.77	**36.58N**±.040	**141.46E**±.091	**31**		**40**	**1-3**
JMA	I	13 17 53 19.2±.3	36.58N±.01	141.42E±.03	31±4	3.3		¶97i1879
ISC	**I**	**13 21 27 47**±2.0	**34.7N**±.11	**140.2E**±.13	**59**±27		**17**	**0-2**
JMA	I	13 21 27 46.5±.3	34.66N±.01	140.20E±.02	67±4			¶97i1898
ISC	**I**	**13 22 28 08**±1.0	**34.7N**±.22	**140.2E**±.16	**70**		**7**	**0-2**
JMA	I	13 22 28 08.3±.4	34.66N±.02	140.19E±.02	70±4			¶97i1902
ISC	**I**	**13 22 59 27**±2.4	**35.82N**±.068	**140.3E**±.15	**70**±35		**15**	**0-2**
JMA	I	13 22 59 27.2±.3	35.83N±.02	140.23E±.03	58±4	2.8		¶97i1907
ISC	**I**	**14 02 13 48**±2.2	**36.1N**±.11	**141.3E**±.22	**37**		**13**	**1-4**
JMA	I	14 02 13 48.1±.3	36.11N±.01	141.26E±.03	37	2.8		¶97i1938
ISC	**I**	**14 06 13 22**±3.1	**38.10N**±.086	**142.7E**±.31	**27**		**21**	**1-3**
JMA	I	14 06 13 21.7±.3	38.13N±.01	142.60E±.03	27	3.0		¶97i1962
ISC	**I**	**14 11 47 55.9**±.44	**37.46N**±.029	**141.30E**±.071	**56**±6.1	**4.0b**	**69**	**0-90**
NEIC	I	14 11 47 55.1	37.40N	141.37E	50	3.3b		¶97i1987
JMA	I	14 11 47 55.3±.1	37.44N±.01	141.29E±.02	53±3	3.9		
EIDC	I	14 11 47 57.6	37.4N	141.2E	55	3.6b,2.6L		
JMA	**I**	**14 15 07 32.5**±.3	**35.58N**±.02	**140.03E**±.03	**66**±3			¶97i2013
JMA	**I**	**14 15 46 37.1**±.3	**40.97N**±.02	**141.78E**±.05	**99**			¶97i2017
ISC	**I**	**15 02 46 42**±4.1	**37.0N**±.20	**141.2E**±.48	**87**±33		**9**	**0-2**
JMA	I	15 02 46 43.2±.3	37.06N±.01	141.14E±.04	82±3			¶97i2088
ISC	**I**	**15 06 02 25**±1.7	**39.56N**±.051	**142.3E**±.11	**2**±10		**27**	**0-5**
JMA	I	15 06 02 27.1±.2	39.56N±.01	142.20E±.02	16±2	3.5		¶97i2108
ISC	**I**	**15 11 28 46**±1.8	**36.38N**±.085	**141.0E**±.20	**40**±61		**10**	**0-2**
JMA	I	15 11 28 46.2±.2	36.40N±.01	141.01E±.03	45±4	2.9		¶97i2147
ISC	**I**	**15 11 54 58.8**±.74	**35.65N**±.047	**140.80E**±.079	**45**±17		**33**	**0-4**
JMA	I	15 11 54 58.6±.2	35.70N±.01	140.78E±.03	46±3	2.8		¶97i2150
ISC	**I**	**15 14 13 12**±4.1	**36.7N**±.22	**141.2E**±.37	**35**		**10**	**1-3**
JMA	I	15 14 13 10.8±.4	36.67N±.01	141.31E±.04	35±5	2.8		¶97i2165
ISC	**I**	**15 19 44 24**±1.9	**36.2N**±.12	**141.0E**±.27	**47**		**5**	**1-1**
JMA	I	15 19 44 23.8±.3	36.20N±.01	140.91E±.03	47±4	2.8		¶97i2202
ISC	Poorly determined							
ISC	**I**	**16 01 11 56**±5.1	**40.5N**±.23	**141.5E**±.39	**77**±48		**8**	**0-2**
JMA	I	16 01 11 55.8±.3	40.50N±.02	141.50E±.04	75±3			¶97i2233
ISC	**I**	**16 01 57 16**±1.8	**36.3N**±.10	**140.8E**±.29	**29**±20		**8**	**0-2**
JMA	I	16 01 57 15.9±.2	36.28N±.01	140.81E±.02	44±3	3.1		¶97i2241
ISC	Poorly determined							
ISC	**I**	**16 09 52 06**±1.1	**36.38N**±.055	**141.5E**±.11	**42**		**31**	**1-4**
JMA	I	16 09 52 04.1±.3	36.31N±.01	141.53E±.03	42	3.1		¶97i2290
JMA	**I**	**16 11 37 59.9**±.4	**35.46N**±.02	**140.12E**±.02	**71**±4			¶97i2303
ISC	**I**	**16 13 25 21**±2.4	**36.60N**±.090	**141.4E**±.29	**38**		**8**	**1-2**
JMA	I	16 13 25 20.5±.2	36.61N±.01	141.35E±.02	38±4	2.8		¶97i2316
JMA	**I**	**17 09 34 13.4**±.2	**36.02N**±.02	**140.05E**±.01	**64**±2			¶97i2425
JMA	**I**	**17 10 07 24.0**±.2	**36.29N**±.01	**140.03E**±.01	**72**±2			¶97i2427
ISC	**I**	**17 13 35 56**±3.1	**36.7N**±.17	**141.7E**±.22	**20**		**14**	**1-3**
JMA	I	17 13 35 52.5±.4	36.63N±.01	141.86E±.02	20±4	2.8		¶97i2460
ISC	**I**	**17 18 12 08**±1.2	**35.80N**±.053	**140.19E**±.075	**52**±36		**24**	**1-2**
JMA	I	17 18 12 07.5±.3	35.79N±.01	140.17E±.02	62±3			¶97i2511
ISC	**I**	**17 19 13 22.5**±.87	**35.96N**±.054	**140.08E**±.073	**48**±32		**29**	**1-4**
JMA	I	17 19 13 22.4±.1	35.98N±.01	140.05E±.01	50±2	3.0		¶97i2521
ISC	**I**	**17 22 16 30**±3.3	**39.57N**±.060	**142.3E**±.25	**5**±12		**15**	**0-2**
JMA	I	17 22 16 31.6±.2	39.55N±.01	142.19E±.02	12±2	3.1		¶97i2544
ISC	**I**	**17 22 23 05.8**±.77	**37.88N**±.045	**141.2E**±.11	**63**±13		**31**	**0-4**
JMA	I	17 22 23 05.1±.1	37.86N±.01	141.17E±.01	70±2			¶97i2546
ISC	**I**	**18 03 07 02.7**±.49	**40.65N**±.040	**142.48E**±.082	**31**		**29**	**1-4**
JMA	I	18 03 07 02.8±.2	40.66N±.00	142.35E±.01	31±4	3.2		¶97i2591
ISC	**I**	**18 03 09 22**±1.5	**40.6N**±.15	**141.5E**±.27	**119**		**11**	**0-2**
JMA	I	18 03 09 22.2±.3	40.58N±.01	141.47E±.03	119±3			¶97i2592
ISC	**I**	**18 12 39 26**±1.5	**36.40N**±.081	**140.8E**±.17	**45**±31		**12**	**0-2**
JMA	I	18 12 39 26.0±.2	36.41N±.01	140.80E±.02	48±3	2.9		¶97i2657
ISC	**I**	**18 15 42 19**±1.6	**35.91N**±.047	**141.4E**±.10	**24**±14		**36**	**1-4**
JMA	I	18 15 42 19.1±.3	35.93N±.01	141.41E±.03	33±4	3.1		¶97i2682
NEIC	I	18 15 42 19.6	35.97N	141.32E	10			
NEIC	Poor solution.							
ISC	**I**	**19 07 45 37.1**±.95	**34.6N**±.14	**140.2E**±.13	**67**		**9**	**0-1**
JMA	I	19 07 45 37.1±.1	34.64N±.02	140.19E±.02	67			¶97i2806
ISC	**I**	**19 09 01 03**±1.9	**34.49N**±.081	**140.3E**±.12	**54**±32		**15**	**0-3**
JMA	I	19 09 01 02.1±.3	34.50N±.01	140.28E±.02	61±5	2.8		¶97i2808
ISC	**I**	**19 12 39 50**±4.7	**36.2N**±.17	**140.4E**±.23	**106**±49		**8**	**0-2**
JMA	I	19 12 39 50.8±.4	36.24N±.02	140.35E±.03	97±4			¶97i2837
ISC	**I**	**19 13 02 45**±1.1	**36.22N**±.056	**141.0E**±.11	**24**±12		**25**	**1-3**
JMA	I	19 13 02 45.0±.2	36.20N±.01	141.02E±.03	41±3	2.9		¶97i2845
NEIC	I	19 13 02 45.0	36.20N	141.09E	33			
NEIC	Poor solution.							
ISC	**I**	**19 17 16 11**±2.2	**36.41N**±.093	**140.6E**±.15	**65**±30		**8**	**0-1**
JMA	I	19 17 16 11.1±.2	36.40N±.01	140.60E±.02	63±2			¶97i2868
ISC	**I**	**19 18 57 12**±2.0	**36.8N**±.13	**141.0E**±.20	**104**±17		**21**	**0-3**
JMA	I	19 18 57 14.0±.2	36.85N±.01	140.87E±.02	92±2			¶97i2873
JMA	**I**	**19 23 01 22.3**±.3	**38.50N**±.01	**141.96E**±.04	**81**±4			¶97i2900
ISC	**I**	**19 23 39 37**±1.1	**37.74N**±.061	**141.1E**±.13	**68**±17		**20**	**0-2**
JMA	I	19 23 39 36.6±.1	37.73N±.00	141.14E±.01	69±2			¶97i2906
ISC	**I**	**20 06 47 19.8**±.80	**35.98N**±.069	**140.30E**±.086	**43**		**14**	**1-2**
JMA	I	20 06 47 19.5±.1	36.00N±.01	140.27E±.01	43±2	3.0		¶97i2954
ISC	**I**	**20 07 30 49**±2.0	**37.0N**±.12	**141.2E**±.22	**61**±20		**16**	**0-3**
JMA	I	20 07 30 49.5±.2	37.01N±.01	141.14E±.02	58±2	2.8		¶97i2957
ISC	**I**	**20 08 42 38**±4.3	**36.6N**±.17	**141.5E**±.26	**15**±21		**17**	**1-3**
JMA	I	20 08 42 38.2±.5	36.60N±.02	141.53E±.04	27	2.9		¶97i2967
ISC	**I**	**20 10 26 58**±2.5	**35.63N**±.092	**140.1E**±.14	**68**±37		**12**	**1-2**
JMA	I	20 10 26 57.5±.3	35.63N±.01	140.11E±.02	67±3			¶97i2982
ISC	**I**	**20 15 27 02.4**±.43	**40.37N**±.032	**142.10E**±.079	**48**±23		**40**	**0-4**
JMA	I	20 15 27 02.5±.1	40.37N±.01	142.01E±.02	52±3	3.4		¶97i3027
JMA	**I**	**20 16 30 42.2**±.3	**36.16N**±.02	**140.09E**±.02	**64**±3			¶97i3041
ISC	**I**	**20 19 27 19**±1.9	**37.36N**±.097	**142.0E**±.18	**24**		**21**	**1-3**
JMA	I	20 19 27 18.1±.4	37.36N±.01	141.97E±.02	24±5	3.3		¶97i3068
ISC	**I**	**20 21 31 25**±2.9	**38.84N**±.072	**142.8E**±.30	**23**		**17**	**1-2**
JMA	I	20 21 31 27.1±.3	38.86N±.01	142.57E±.03	23	3.0		¶97i3085
ISC	**I**	**20 21 46 11**±2.6	**35.64N**±.086	**140.1E**±.14	**77**±32		**17**	**0-2**
JMA	I	20 21 46 11.4±.3	35.65N±.01	139.99E±.02	70±4			¶97i3089

ISC	**I**	**21 00 14 14**±1.3	**37.45N**±.072	**141.4E**±.15	**87**±15		**29**	**0-3**	
JMA	I	21 00 14 14.4±.2	37.43N±.01	141.35E±.02	84±2				¶97i3108
JMA	**I**	**21 06 04 19.4**±.3	**36.29N**±.01	**141.50E**±.02	**47**±5	**3.0**			¶97i3148
ISC	**I**	**21 06 58 51**±2.1	**40.1N**±.22	**141.3E**±.47	**82**		**6**	**0-1**	
JMA	I	21 06 58 51.6±.3	40.07N±.02	141.34E±.04	82±3				¶97i3152
ISC	**I**	**21 11 24 47.4**±.47	**38.22N**±.035	**141.99E**±.083	**82**±7.1	**3.3b**	**71**	**1-89**	
NEIC	I	21 11 24 47.7	38.13N	141.98E	83				¶97i3172
EIDC	I	21 11 24 48.8	38.1N	142.0E	73	3.1b			
JMA	I	21 11 24 49.1±.1	38.26N±.01	141.75E±.02	81±2				
NEIC	Less reliable solution.								
ISC	**I**	**21 13 27 48**±1.1	**35.78N**±.073	**140.3E**±.14	**64**		**17**	**1-2**	
JMA	I	21 13 27 48.4±.2	35.81N±.01	140.24E±.02	64±3				¶97i3185
ISC	**I**	**21 13 45 12**±2.9	**36.4N**±.16	**140.6E**±.22	**68**±29		**11**	**0-1**	
JMA	I	21 13 45 12.5±.2	36.48N±.01	140.48E±.02	61±3	2.8			¶97i3187
ISC	**I**	**21 21 31 30**±3.2	**36.9N**±.14	**141.8E**±.29	**27**		**11**	**1-2**	
JMA	I	21 21 31 30.0±.5	36.94N±.02	141.78E±.04	27	2.9			¶97i3232
ISC	**I**	**22 01 58 38**±7.0	**39.1N**±.16	**142.9E**±.64	**14**		**7**	**1-2**	
JMA	I	22 01 58 37.2±.4	39.09N±.01	142.96E±.03	14	3.0			¶97i3263
ISC	**I**	**22 02 27 36**±1.8	**36.2N**±.19	**140.1E**±.19	**62**		**7**	**1-2**	
JMA	I	22 02 27 36.3±.2	36.16N±.01	140.09E±.02	62±2				¶97i3269
ISC	**I**	**22 11 29 03**±2.0	**34.8N**±.13	**140.12E**±.097	**63**±22		**17**	**0-2**	
JMA	I	22 11 29 03.3±.2	34.75N±.02	140.10E±.01	64±3				¶97i3319
ISC	**I**	**22 17 02 51**±2.5	**37.5N**±.16	**141.4E**±.41	**85**±27		**9**	**0-2**	
JMA	I	22 17 02 51.5±.2	37.52N±.01	141.36E±.03	83±3				¶97i3353
ISC	**I**	**22 17 50 12.8**±.96	**40.56N**±.054	**142.4E**±.13	**58**±41		**22**	**1-4**	
JMA	I	22 17 50 12.8±.1	40.57N±.01	142.38E±.02	55	2.8			¶97i3358
ISC	**I**	**22 19 32 01**±2.7	**35.9N**±.15	**141.4E**±.24	**53**		**12**	**1-3**	
JMA	I	22 19 32 00.2±.4	35.90N±.02	141.49E±.03	53	3.0			¶97i3373
JMA	**I**	**22 19 41 41.3**±.1	**36.23N**±.01	**140.11E**±.00	**66**±1				¶97i3374
ISC	**I**	**23 04 42 25**±1.5	**35.60N**±.065	**140.07E**±.093	**72**±22		**21**	**0-2**	
JMA	I	23 04 42 25.0±.2	35.60N±.01	140.05E±.02	71±3				¶97i3436
ISC	**I**	**23 05 44 26.9**±.64	**38.89N**±.027	**141.03E**±.051	**5**±5.7	**3.9b**	**54**	**0-77**	
EIDC	I	23 05 44 25.3	38.9N	141.3E	0	3.8b,2.4L			¶97i3441
JMA	I	23 05 44 27.0±.0	38.88N±.00	141.01E±.00	9±2	3.8			
NEIC	I	23 05 44 28.4	38.86N	141.15E	33				
ISC	**I**	**23 06 28 01**±5.0	**34.7N**±.78	**140.3E**±.48	**63**		**7**	**0-1**	
JMA	I	23 06 28 00.6±.3	34.61N±.04	140.16E±.02	63				¶97i3447
ISC	Poorly determined								
ISC	**I**	**23 10 08 52.0**±.82	**36.30N**±.047	**140.13E**±.067	**70**±17		**26**	**0-3**	
JMA	I	23 10 08 52.1±.1	36.29N±.01	140.11E±.01	69±2				¶97i3479
ISC	**I**	**23 12 35 31**±2.1	**36.15N**±.074	**141.9E**±.22	**44**		**15**	**1-3**	
JMA	I	23 12 35 29.5±.3	36.18N±.01	141.98E±.03	44	2.9			¶97i3498
ISC	**I**	**23 13 41 22**±2.4	**36.2N**±.10	**141.8E**±.21	**16**		**23**	**1-3**	
JMA	I	23 13 41 20.0±.4	36.21N±.01	141.92E±.03	16	2.9			¶97i3505
JMA	**I**	**23 14 36 06.2**±.3	**36.10N**±.02	**140.10E**±.02	**62**±3				¶97i3512
JMA	**I**	**24 11 58 56.7**±.3	**36.30N**±.02	**140.09E**±.02	**104**±2				¶97i3644
JMA	**I**	**24 12 24 20.7**±.1	**35.69N**±.01	**140.08E**±.01	**95**±1				¶97i3647
ISC	**I**	**24 13 25 13**±4.3	**36.8N**±.12	**140.2E**±.19	**129**±44		**11**	**0-3**	
JMA	I	24 13 25 14.2±.2	36.80N±.01	140.25E±.01	114±2				¶97i3655
ISC	**I**	**24 16 18 59**±1.5	**37.26N**±.076	**141.1E**±.15	**22**±11		**16**	**0-2**	
JMA	I	24 16 18 57.9±.2	37.22N±.01	141.14E±.02	30±2	2.9			¶97i3666
JMA	**I**	**25 00 45 06.6**±.3	**36.13N**±.02	**140.04E**±.02	**66**±3				¶97i3714
ISC	**I**	**25 05 17 51.5**±.97	**39.90N**±.063	**142.1E**±.15	**67**±16		**17**	**0-4**	
JMA	I	25 05 17 52.1±.1	39.88N±.01	142.02E±.02	63±1				¶97i3746
JMA	**I**	**25 11 58 50.1**±.3	**36.14N**±.02	**140.04E**±.02	**66**±3				¶97i3809
JMA	**I**	**26 02 17 13.6**±.1	**36.09N**±.01	**140.46E**±.01	**87**±1				¶97i3876
ISC	**I**	**26 09 53 51**±1.9	**36.12N**±.070	**140.0E**±.11	**79**±27		**15**	**1-2**	
JMA	I	26 09 53 51.6±.1	36.11N±.01	139.99E±.01	71±1				¶97i3919
ISC	**I**	**26 12 28 44**±3.4	**37.6N**±.20	**141.5E**±.49	**73**		**7**	**1-1**	
JMA	I	26 12 28 44.6±.2	37.60N±.01	141.44E±.02	73±3				¶97i3943
ISC	**I**	**26 15 26 39.8**±.23	**35.75N**±.020	**140.15E**±.031	**79**±2.5	**4.4b**	**187**	**0-148**	
BJI	I	26 15 26 37.0	35.66N	140.34E	74	4.3b			¶97i3957
MOS	I	26 15 26 38.2	35.7N	140.2E	65	4.9b			
NEIC	I	26 15 26 38.9	35.65N	140.12E	70	4.7b			
EIDC	I	26 15 26 39.3	35.6N	140.1E	57	3.9b			
JMA	I	26 15 26 40.0±.2	35.75N±.01	140.08E±.01	77±2	4.1			
JMA	**I**	**26 15 42 08.6**±.3	**36.12N**±.02	**140.08E**±.02	**64**±3				¶97i3962
ISC	**I**	**26 16 31 19**±3.6	**38.70N**±.088	**141.3E**±.28	**116**±39		**14**	**0-2**	
JMA	I	26 16 31 19.4±.2	38.70N±.01	141.30E±.03	108±2				¶97i3967
JMA	**I**	**26 16 38 35.2**±.2	**35.68N**±.02	**140.09E**±.02	**63**±2				¶97i3968
JMA	**I**	**26 17 32 27.9**±.2	**35.77N**±.01	**140.09E**±.01	**60**±2	**1.9**			¶97i3975
ISC	**I**	**26 19 22 38**±4.7	**36.6N**±.22	**141.9E**±.40	**44**		**15**	**1-3**	
JMA	I	26 19 22 39.2±.4	36.65N±.02	141.75E±.03	44	3.0			¶97i3986
ISC	**I**	**26 21 27 15**±1.9	**35.95N**±.068	**141.8E**±.19	**53**		**22**	**1-3**	
JMA	I	26 21 27 13.6±.3	35.97N±.01	141.91E±.04	53	3.0			¶97i4000
ISC	**I**	**27 01 42 04**±1.6	**37.15N**±.082	**141.8E**±.15	**15**		**26**	**1-3**	
JMA	I	27 01 42 02.2±.3	37.11N±.01	141.96E±.02	15±3	3.4			¶97i4032
ISC	**I**	**27 02 53 34**±1.4	**36.24N**±.086	**141.0E**±.15	**32**±13		**11**	**1-3**	
JMA	I	27 02 53 33.5±.2	36.25N±.01	141.04E±.02	42±3	3.0			¶97i4038
ISC	**I**	**27 03 49 31**±1.7	**36.67N**±.080	**141.4E**±.19	**39**		**12**	**1-2**	
JMA	I	27 03 49 30.6±.4	36.65N±.02	141.48E±.04	39	2.9			¶97i4044
ISC	**I**	**27 07 55 35**±2.6	**35.7N**±.20	**140.2E**±.26	**65**		**6**	**1-1**	
JMA	I	27 07 55 35.1±.2	35.77N±.01	140.09E±.02	65±3				¶97i4067
ISC	**I**	**27 11 10 38.2**±.71	**36.01N**±.039	**140.09E**±.058	**65**±16		**37**	**1-4**	
JMA	I	27 11 10 38.1±.1	36.01N±.01	140.07E±.02	64±2				¶97i4077
ISC	**I**	**27 13 39 04.0**±.72	**38.70N**±.061	**141.8E**±.13	**121**±12		**33**	**0-6**	
JMA	I	27 13 39 06.3±.1	38.68N±.00	141.63E±.01	98±1				¶97i4089
ISC	**I**	**27 15 16 46**±2.7	**39.57N**±.059	**142.2E**±.23	**8**±9.9		**13**	**0-2**	
JMA	I	27 15 16 46.7±.1	39.55N±.00	142.16E±.01	10±1	3.0			¶97i4097
JMA	**I**	**27 18 51 19.0**±.1	**36.58N**±.01	**140.61E**±.01	**86**±1				¶97i4116
ISC	**I**	**27 21 01 50**±2.4	**35.65N**±.080	**140.1E**±.13	**80**±31		**13**	**0-2**	
JMA	I	27 21 01 50.3±.2	35.67N±.01	140.11E±.02	67±3				¶97i4125
ISC	**I**	**27 23 01 55.3**±.70	**39.30N**±.038	**142.2E**±.11	**36**±36		**38**	**0-5**	
JMA	I	27 23 01 55.8±.2	39.31N±.01	142.07E±.02	52±2	3.6			¶97i4139
ISC	**I**	**27 23 45 12**±14	**38.1N**±.75	**142.4E**±.98	**34**		**11**	**1-2**	
JMA	I	27 23 45 12.2±.3	38.11N±.01	142.36E±.02	34±4	2.8			¶97i4144
ISC	**I**	**27 23 46 03**±1.4	**35.56N**±.070	**141.4E**±.13	**20**±14		**25**	**0-4**	
JMA	I	27 23 46 03.8±.4	35.60N±.01	141.26E±.04	27±4	3.0			¶97i4145
ISC	**I**	**27 23 50 00**±2.0	**35.60N**±.085	**141.2E**±.18	**16**±13		**14**	**0-3**	
JMA	I	27 23 50 00.8±.4	35.63N±.01	141.22E±.04	30±3	2.8			¶97i4146
ISC	**I**	**28 02 21 27**±9.6	**39.5N**±.18	**142.9E**±.66	**2**±26		**10**	**1-2**	
JMA	I	28 02 21 28.6±.2	39.53N±.01	142.93E±.02	15±3	3.1			¶97i4159
ISC	**I**	**28 02 45 11**±2.9	**36.25N**±.039	**140.97E**±.076	**13**±24		**51**	**0-8**	
JMA	I	28 02 45 12.1±.1	36.24N±.01	140.93E±.02	42±2	3.6			¶97i4161
ISC	**I**	**28 18 58 45**±2.1	**38.14N**±.064	**142.0E**±.18	**22**±13		**21**	**1-3**	
JMA	I	28 18 58 45.9±.2	38.14N±.01	142.02E±.02	45±4	3.2			¶97i4247
ISC	**I**	**28 19 56 05.8**±.86	**38.29N**±.085	**141.2E**±.19	**69**		**9**	**0-1**	
JMA	I	28 19 56 05.8±.2	38.29N±.01	141.19E±.02	69±2				¶97i4254
ISC	**I**	**28 22 21 49**±1.8	**36.7N**±.11	**141.5E**±.17	**30**		**29**	**1-4**	
JMA	I	28 22 21 48.0±.4	36.64N±.01	141.50E±.03	30	3.1			¶97i4266
ISC	**I**	**29 01 55 23**±1.1	**34.58N**±.076	**140.40E**±.073	**99**±10		**48**	**0-5**	
JMA	I	29 01 55 25.1±.2	34.57N±.01	140.23E±.01	85±2				¶97i4281
ISC	**I**	**29 02 36 21.5**±.56	**36.69N**±.031	**141.60E**±.064	**35**±8.0	**3.8b**	**91**	**1-147**	
EIDC	I	29 02 36 17.6	36.5N	141.6E	0	3.8b,3.8L			¶97i4289
NEIC	I	29 02 36 20.6	36.54N	141.57E	33				
JMA	I	29 02 36 21.4±.2	36.67N±.01	141.44E±.02	39±4	4.1			
JMA	**I**	**29 02 38 33.9**±.7	**36.59N**±.05	**141.38E**±.06	**42**	**2.8**			¶97i4291
ISC	**I**	**29 11 57 31**±2.5	**37.1N**±.13	**141.8E**±.21	**24**		**15**	**1-3**	
JMA	I	29 11 57 30.1±.3	37.08N±.01	141.77E±.02	24±3	2.9			¶97i4345
ISC	**I**	**29 15 04 49**±2.4	**37.5N**±.11	**141.8E**±.27	**43**		**11**	**1-2**	
JMA	I	29 15 04 48.9±.4	37.47N±.02	141.78E±.04	43	2.8			¶97i4368
ISC	**I**	**29 15 22 04**±2.8	**38.47N**±.064	**142.8E**±.29	**18**		**15**	**1-3**	
JMA	I	29 15 22 02.6±.4	38.43N±.01	142.86E±.04	18	3.1			¶97i4370
ISC	**I**	**29 18 10 59.5**±.93	**39.65N**±.049	**142.3E**±.14	**41**±26		**22**	**0-4**	
JMA	I	29 18 11 00.0±.1	39.66N±.00	142.13E±.01	48±1	3.1			¶97i4383
ISC	**I**	**29 20 16 29.2**±.64	**35.93N**±.042	**140.31E**±.070	**24**±9.6		**30**	**0-3**	
JMA	I	29 20 16 29.4±.1	35.93N±.01	140.29E±.01	38±2	2.8			¶97i4396
ISC	**I**	**30 05 46 38**±1.9	**38.28N**±.077	**141.8E**±.22	**62**±29		**15**	**0-3**	
JMA	I	30 05 46 37.6±.1	38.27N±.01	141.83E±.02	61±2	2.9			¶97i4445
JMA	**I**	**30 10 32 03.9**±.3	**36.39N**±.02	**141.61E**±.03	**35**	**2.8**			¶97i4468
ISC	**I**	**30 17 13 19.0**±.63	**40.55N**±.034	**141.92E**±.096	**58**±24		**27**	**1-3**	
JMA	I	30 17 13 19.1±.1	40.55N±.01	141.89E±.02	52±4	2.9			¶97i4515
ISC	**I**	**31 00 01 44**±8.2	**37.2N**±.41	**141.9E**±.62	**21**		**8**	**1-2**	
JMA	I	31 00 01 41.0±.5	37.15N±.03	142.12E±.03	21	2.9			¶97i4568
ISC	**I**	**31 07 55 19**±2.5	**40.42N**±.069	**142.3E**±.27	**30**±17		**13**	**1-2**	
JMA	I	31 07 55 19.6±.2	40.40N±.01	142.21E±.02	41±3	2.9			¶97i4600
ISC	**I**	**31 08 24 19**±2.4	**37.4N**±.12	**141.8E**±.26	**39**		**14**	**1-2**	
JMA	I	31 08 24 19.0±.3	37.39N±.01	141.73E±.03	39	2.9			¶97i4604
ISC	**I**	**31 11 07 35**±1.5	**36.44N**±.075	**141.1E**±.17	**22**±14		**11**	**0-2**	
JMA	I	31 11 07 34.7±.2	36.43N±.01	141.07E±.02	38±3	2.9			¶97i4618
ISC	**I**	**31 12 04 35**±3.6	**36.9N**±.16	**141.7E**±.26	**22**±16		**15**	**1-3**	
JMA	I	31 12 04 37.4±.3	36.94N±.01	141.57E±.02	44±4	2.9			¶97i4623
ISC	**II**	**01 05 05 39**±5.9	**36.9N**±.25	**141.8E**±.57	**67**		**10**	**1-2**	
JMA	II	01 05 05 40.0±.6	36.99N±.03	141.68E±.05	67				¶97ii0021
JMA	**II**	**01 07 42 50.7**±.2	**35.98N**±.01	**140.19E**±.01	**60**±2	**2.5**			¶97ii0041
ISC	**II**	**01 10 17 14.3**±.97	**36.13N**±.045	**140.67E**±.086	**117**±15		**36**	**0-4**	
JMA	II	01 10 17 15.9±.2	36.13N±.01	140.55E±.02	98±3				¶97ii0060
ISC	**II**	**01 19 15 35**±1.7	**37.72N**±.074	**141.5E**±.20	**52**±40		**14**	**1-2**	
JMA	II	01 19 15 34.4±.1	37.72N±.01	141.53E±.02	55±3	2.8			¶97ii0110
ISC	**II**	**02 07 32 20.3**±.76	**35.60N**±.039	**140.13E**±.058	**73**±13		**44**	**0-4**	
JMA	II	02 07 32 20.0±.2	35.63N±.01	140.10E±.01	73±2				¶97ii0188
ISC	**II**	**02 08 42 10**±1.6	**37.71N**±.082	**141.4E**±.22	**70**±24		**15**	**0-2**	
JMA	II	02 08 42 09.9±.1	37.70N±.01	141.35E±.02	70±2				¶97ii0198
JMA	**II**	**02 12 34 57.3**±.4	**36.20N**±.02	**141.90E**±.02	**11**±5	**3.6**			¶97ii0219
ISC	**II**	**02 19 58 35**±1.0	**37.87N**±.058	**141.2E**±.13	**67**±16		**24**	**0-3**	
JMA	II	02 19 58 34.8±.1	37.87N±.01	141.14E±.02	71±2				¶97ii0269
ISC	**II**	**03 00 07 54**±1.6	**36.30N**±.092	**141.1E**±.17	**31**±14		**13**	**1-3**	
JMA	II	03 00 07 53.7±.2	36.32N±.01	141.06E±.03	40±4	2.9			¶97ii0299
ISC	**II**	**03 01 01 26**±3.1	**36.0N**±.14	**141.1E**±.45	**43**		**4**	**0-2**	
JMA	II	03 01 01 25.8±.4	36.01N±.02	141.09E±.03	43±4	2.9			¶97ii0302
ISC	Poorly determined								
ISC	**II**	**03 06 06 44**±1.7	**36.29N**±.099	**140.2E**±.15	**82**±27		**14**	**0-2**	
JMA	II	03 06 06 44.1±.2	36.31N±.01	140.15E±.02	76±3				¶97ii0329
ISC	**II**	**03 08 08 22**±5.4	**38.8N**±.12	**141.6E**±.34	**121**±50		**10**	**0-1**	
JMA	II	03 08 08 23.7±.3	38.81N±.01	141.57E±.03	104±3				¶97ii0342
JMA	**II**	**03 10 30 15.4**±.3	**36.61N**±.02	**140.74E**±.04	**84**				¶97ii0362
ISC	**II**	**03 11 14 56.8**±.82	**36.28N**±.038	**141.81E**±.093	**43**±13	**3.2b**	**53**	**1-64**	
EIDC	II	03 11 14 52.7	36.2N	141.8E	0	3.3b,3.7L			¶97ii0369
JMA	II	03 11 14 54.2±.4	36.32N±.01	141.89E±.04	19	3.6			
NEIC	II	03 11 14 55.8	36.15N	141.84E	33	3.1b			
NEIC	Less reliable solution.								
ISC	**II**	**04 08 18 42**±2.9	**38.3N**±.11	**141.9E**±.34	**47**		**10**	**0-1**	
JMA	II	04 08 18 42.4±.2	38.25N±.01	141.89E±.03	47±4	3.0			¶97ii0488
ISC	**II**	**04 15 49 26.6**±.36	**40.97N**±.026	**142.73E**±.064	**55**	3.0b	**58**	**1-60**	
JMA	II	04 15 49 26.9±.1	40.99N±.01	142.60E±.01	55	3.9			¶97ii0557
ISC	**II**	**04 17 05 43**±4.1	**35.5N**±.13	**140.2E**±.16	**81**±56		**13**	**1-2**	
JMA	II	04 17 05 44.1±.3	35.57N±.01	140.16E±.02	66±3				¶97ii0566
ISC	**II**	**04 18 57 36**±1.4	**35.54N**±.062	**140.19E**±.096	**76**±19		**23**	**0-2**	
JMA	II	04 18 57 36.8±.2	35.55N±.01	140.13E±.02	67±3				¶97ii0585
ISC	**II**	**04 21 37 16**±1.5	**36.25N**±.083	**140.9E**±.15	**37**±57		**10**	**0-2**	
JMA	II	04 21 37 15.3±.2	36.26N±.01	140.90E±.02	46±3	2.8			¶97ii0597
ISC	**II**	**04 22 39 16**±2.8	**36.0N**±.14	**141.4E**±.25	**38**		**12**	**1-3**	
JMA	II	04 22 39 15.4±.4	36.05N±.02	141.40E±.04	38	2.8			¶97ii0602
ISC	**II**	**04 22 44 12**±1.3	**36.08N**±.069	**140.0E**±.11	**62**±23		**17**	**1-2**	
JMA	II	04 22 44 11.8±.1	36.08N±.01	140.01E±.01	66±2				¶97ii0603
ISC	**II**	**05 05 43 47**±8.6	**35.5N**±.21	**140.2E**±.71	**77**±61		**8**	**1-2**	
JMA	II	05 05 43 49.0±.2	35.56N±.01	140.01E±.02	66±2				¶97ii0644
ISC	**II**	**05 08 10 50**±1.1	**36.0N**±.13	**140.3E**±.11	**43**		**6**	**1-1**	
JMA	II	05 08 10 50.1±.1	35.99N±.01	140.29E±.01	43±2	3.0			¶97ii0657
ISC	**II**	**05 15 42 28**±7.9	**35.8N**±.53	**141.4E**±.42	**66**		**13**	**1-4**	
JMA	II	05 15 42 33.6±.2	36.19N±.01	140.99E±.02	66±2				¶97ii0712
ISC	**II**	**05 17 11 38.8**±.70	**38.67N**±.064	**141.4E**±.17	**79**		**14**	**0-2**	
JMA	II	05 17 11 38.8±.1	38.67N±.00	141.40E±.01	79±1				¶97ii0724
JMA	**II**	**05 19 48 00.0**±.2	**36.30N**±.01	**140.66E**±.02	**79**±2				¶97ii0741
ISC	**II**	**05 22 16 12**±1.2	**36.35N**±.060	**141.1E**±.10	**22**±10		**30**	**1-4**	
JMA	II	05 22 16 11.9±.2	36.35N±.01	141.13E±.02	43±3	3.2			¶97ii0755
JMA	**II**	**06 02 24 41.5**±.4	**36.05N**±.02	**141.33E**±.03	**39**±5	**2.8**			¶97ii0786
ISC	**II**	**06 06 10 27.6**±.67	**38.08N**±.046	**141.1E**±.10	**83**±11		**34**	**0-6**	
JMA	II	06 06 10 28.0±.1	38.09N±.00	141.02E±.01	79±1				¶97ii0805
ISC	**II**	**06 08 11 36.0**±.56	**36.63N**±.041	**141.08E**±.072	**49**±8.6	**3.8b**	**70**	**0-78**	
NEIC	II	06 08 11 34.4	36.28N	141.14E	50	4.0b			¶97ii0811
EIDC	II	06 08 11 34.8	36.1N	141.1E	44	3.3b,3.4L			
JMA	II	06 08 11 36.5±.1	36.63N±.01	140.91E±.01	52±2	3.8			
NEIC	Less reliable solution.								
ISC	**II**	**06 09 14 59.8**±.26	**40.98N**±.021	**142.03E**±.052	**71**±3.4	**4.3b**	**113**	**1-153**	
EIDC	II	06 09 14 52.7	41.0N	142.4E	0	4.3b,3.9L			¶97ii0815
BJI	II	06 09 14 54.6	40.86N	142.60E	74	4.7b			
MOS	II	06 09 14 58.4	40.9N	141.9E	64	4.6b			
NEIC	II	06 09 14 59.5	40.91N	141.95E	74	4.0b			
JMA	II	06 09 14 59.9±.1	40.97N±.00	141.97E±.01	65±3	3.9			
ISC	**II**	**06 09 52 18**±1.8	**36.9N**±.11	**141.5E**±.16	**29**		**22**	**1-3**	
JMA	II	06 09 52 17.3±.3	36.92N±.01	141.59E±.02	29±3	3.1			¶97ii0819
ISC	**II**	**06 14 06 30**±5.9	**34.9N**±.45	**140.0E**±.18	**64**±59		**7**	**0-1**	
JMA	II	06 14 06 30.6±.4	34.99N±.03	140.01E±.01	60±4	2.0			¶97ii0851
ISC	**II**	**07 05 50 11.5**±.50	**40.13N**±.033	**142.99E**±.074	**29**		**52**	**1-6**	
JMA	II	07 05 50 12.0±.2	40.19N±.01	142.79E±.02	29±4	4.0			¶97ii0952
ISC	**II**	**07 06 30 11**±4.7	**36.7N**±.20	**141.4E**±.34	**23**±18		**9**	**1-2**	
JMA	II	07 06 30 12.0±.3	36.74N±.01	141.33E±.03	36±3	2.9			¶97ii0954
ISC	**II**	**07 07 44 21.6**±.70	**36.46N**±.043	**141.13E**±.088	**38**		**29**	**0-3**	
JMA	II	07 07 44 20.6±.2	36.46N±.01	141.12E±.02	38±3	3.2			¶97ii0961

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
JMA	**II**	**07 12 31 35.4**±.2	**36.67N**±.01	**140.40E**±.01	**72**±2		¶97ii0987	
ISC	**II**	**07 16 11 04**±2.4	**35.9N**±.12	**141.3E**±.22	**44**		**18**	**0-3**
JMA	II	07 16 11 04.9±.3	36.02N±.02	141.12E±.03	44±4	2.8	¶97ii1010	
ISC	**II**	**07 19 20 09**±2.4	**39.68N**±.079	**142.5E**±.23	**22**		**16**	**1-3**
JMA	II	07 19 20 06.8±.4	39.68N±.01	142.67E±.03	22±3	2.8	¶97ii1024	
ISC	**II**	**07 20 27 54**±1.5	**36.24N**±.068	**140.7E**±.12	**84**±18		**25**	**0-3**
JMA	II	07 20 27 54.2±.2	36.26N±.01	140.67E±.01	84±2		¶97ii1033	
ISC	**II**	**07 23 14 06**±1.0	**35.60N**±.058	**140.21E**±.064	**80**±16		**37**	**0-4**
JMA	II	07 23 14 05.9±.2	35.65N±.01	140.14E±.02	74±3		¶97ii1055	
ISC	**II**	**08 00 00 51**±2.3	**39.69N**±.076	**142.1E**±.26	**42**±21		**17**	**0-5**
JMA	II	08 00 00 50.3±.2	39.67N±.01	142.15E±.02	51±2	3.0	¶97ii1060	
ISC	**II**	**08 04 43 21**±2.0	**38.46N**±.072	**141.0E**±.18	**80**±26		**11**	**0-1**
JMA	II	08 04 43 21.0±.1	38.46N±.01	141.05E±.02	80±2		¶97ii1095	
ISC	**II**	**08 10 16 29.0**±.64	**35.66N**±.039	**140.79E**±.067	**51**±14		**54**	**0-5**
JMA	II	08 10 16 29.1±.2	35.73N±.01	140.74E±.02	50±2	3.4	¶97ii1127	
ISC	**II**	**08 16 53 06.6**±.61	**39.11N**±.035	**142.77E**±.079	**41**±10	**3.6b**	**61**	**1-63**
NEIC	II	08 16 53 05.6	38.98N	142.97E	33		¶97ii1174	
JMA	II	08 16 53 08.1±.2	39.15N±.01	142.49E±.03	52±3	3.4		
EIDC	II	08 16 53 08.8	39.0N	142.9E	43	3.3b,3.1L		
NEIC	Less reliable solution.							
ISC	**II**	**08 20 21 38**±2.0	**35.32N**±.081	**140.4E**±.13	**70**±21		**22**	**0-2**
JMA	II	08 20 21 38.7±.2	35.35N±.01	140.36E±.02	67±2		¶97ii1201	
ISC	**II**	**09 04 50 25**±1.5	**38.89N**±.066	**141.5E**±.16	**93**±17		**21**	**0-4**
JMA	II	09 04 50 25.3±.1	38.90N±.00	141.49E±.01	89±1		¶97ii1254	
ISC	**II**	**09 09 31 56**±3.3	**36.9N**±.27	**141.0E**±.56	**75**		**4**	**0-1**
JMA	II	09 09 31 54.7±.4	36.80N±.02	141.06E±.04	75±4		¶97ii1289	
ISC	Poorly determined							
ISC	**II**	**09 13 35 43**±2.1	**35.34N**±.097	**140.4E**±.13	**79**±23		**18**	**0-3**
JMA	II	09 13 35 43.9±.3	35.37N±.02	140.38E±.02	68±3		¶97ii1313	
ISC	**II**	**09 15 08 23**±1.2	**35.51N**±.043	**141.17E**±.090	**28**±9.0		**38**	**0-4**
JMA	II	09 15 08 21.9±.3	35.55N±.01	141.21E±.03	32±3	3.0	¶97ii1323	
ISC	**II**	**09 18 58 53**±4.2	**38.0N**±.12	**141.3E**±.36	**78**±50		**7**	**0-1**
JMA	II	09 18 58 53.5±.2	37.98N±.01	141.29E±.02	74±3		¶97ii1346	
ISC	**II**	**09 19 02 29**±3.3	**35.6N**±.13	**140.0E**±.39	**65**		**6**	**0-1**
JMA	II	09 19 02 28.3±.4	35.56N±.02	140.13E±.03	65±4		¶97ii1349	
ISC	**II**	**09 19 12 40**±1.1	**40.79N**±.042	**141.3E**±.13	**85**±19		**22**	**0-4**
JMA	II	09 19 12 40.7±.2	40.78N±.01	141.28E±.03	83±3		¶97ii1353	
ISC	**II**	**09 21 54 24**±6.1	**38.3N**±.26	**141.7E**±.58	**69**±47		**9**	**0-1**
JMA	II	09 21 54 24.9±.2	38.35N±.01	141.66E±.03	62±2		¶97ii1371	
ISC	**II**	**10 01 40 55**±4.3	**36.8N**±.25	**141.7E**±.37	**65**		**9**	**1-3**
JMA	II	10 01 40 56.3±.4	36.85N±.02	141.53E±.04	65		¶97ii1398	
ISC	**II**	**10 06 48 09**±2.6	**36.7N**±.22	**140.9E**±.40	**78**		**7**	**0-1**
JMA	II	10 06 48 08.3±.3	36.72N±.01	140.91E±.03	78±3		¶97ii1425	
ISC	**II**	**10 07 00 11**±2.7	**37.5N**±.11	**141.3E**±.23	**87**±32		**12**	**0-2**
JMA	II	10 07 00 10.8±.2	37.52N±.01	141.38E±.02	81±2		¶97ii1426	
ISC	**II**	**10 17 35 27**±5.8	**34.4N**±.19	**140.3E**±.22	**117**±51		**17**	**0-2**
JMA	II	10 17 35 27.5±.2	34.40N±.01	140.29E±.01	112±2		¶97ii1493	
ISC	**II**	**10 21 39 17**±1.4	**36.42N**±.077	**141.1E**±.15	**29**±11		**13**	**0-3**
JMA	II	10 21 39 17.2±.2	36.44N±.01	141.01E±.02	40±3	2.8	¶97ii1524	
ISC	**II**	**11 05 55 28.9**±.95	**35.63N**±.055	**140.30E**±.080	**44**±25		**22**	**0-2**
JMA	II	11 05 55 28.4±.2	35.66N±.01	140.25E±.02	45±3	2.8	¶97ii1589	
ISC	**II**	**11 07 16 01**±2.6	**38.84N**±.072	**141.6E**±.20	**116**±28		**17**	**0-2**
JMA	II	11 07 16 02.5±.2	38.84N±.01	141.61E±.02	103±2		¶97ii1601	
ISC	**II**	**11 07 43 04**±1.4	**35.92N**±.096	**140.2E**±.17	**60**		**7**	**1-1**
JMA	II	11 07 43 04.0±.2	35.94N±.01	140.19E±.02	60±2	2.5	¶97ii1603	
ISC	**II**	**11 11 10 25**±3.6	**39.32N**±.093	**142.1E**±.35	**48**±33		**10**	**0-1**
JMA	II	11 11 10 25.1±.1	39.32N±.00	142.06E±.01	49±1	3.0	¶97ii1620	
ISC	**II**	**11 11 12 43**±1.4	**39.62N**±.028	**142.20E**±.069	**13**±9.4	**4.0b**	**73**	**0-88**
EIDC	II	11 11 12 41.7	39.6N	142.0E	0	3.9b,3.1L	¶97ii1621	
JMA	II	11 11 12 42.5±.3	39.63N±.01	142.16E±.02	13±2	3.9		
NEIC	II	11 11 12 44.5	39.62N	141.86E	33			
ISC	**II**	**11 18 05 26**±1.7	**34.7N**±.10	**140.9E**±.12	**36**±21		**31**	**0-5**
JMA	II	11 18 05 25.4±.4	34.74N±.02	140.94E±.03	49±4	3.3	¶97ii1657	
ISC	**II**	**11 18 07 11.2**±.64	**39.54N**±.047	**142.6E**±.11	**46**±35		**38**	**1-5**
JMA	II	11 18 07 12.5±.2	39.57N±.01	142.33E±.03	57±2	3.2	¶97ii1658	
ISC	**II**	**11 18 45 12.7**±.67	**35.37N**±.051	**140.47E**±.078	**33**		**18**	**0-2**
JMA	II	11 18 45 12.4±.1	35.40N±.01	140.38E±.01	33±2	2.8	¶97ii1664	
ISC	**II**	**12 02 36 11**±7.2	**37.2N**±.19	**141.4E**±.86	**70**		**4**	**1-2**
JMA	II	12 02 36 11.2±.3	37.14N±.01	141.40E±.03	70±4		¶97ii1709	
ISC	Poorly determined							
ISC	**II**	**12 02 46 15**±3.1	**36.7N**±.17	**141.4E**±.28	**37**		**10**	**1-2**
JMA	II	12 02 46 15.2±.4	36.74N±.01	141.33E±.03	37±4	3.0	¶97ii1710	
ISC	**II**	**12 04 09 24**±2.3	**36.6N**±.14	**140.6E**±.21	**86**±21		**11**	**0-3**
JMA	II	12 04 09 25.1±.2	36.67N±.01	140.52E±.01	72±2		¶97ii1720	
ISC	**II**	**12 06 51 47**±1.8	**38.5N**±.11	**141.4E**±.30	**73**±23		**12**	**0-2**
JMA	II	12 06 51 47.5±.1	38.48N±.01	141.41E±.02	72±2		¶97ii1732	
ISC	**II**	**12 14 22 25**±2.7	**38.68N**±.098	**141.3E**±.32	**74**±31		**9**	**0-1**
JMA	II	12 14 22 24.8±.1	38.67N±.01	141.37E±.02	71±2		¶97ii1775	
ISC	**II**	**12 15 54 59**±4.1	**40.1N**±.14	**142.9E**±.37	**13**		**11**	**1-2**
JMA	II	12 15 54 58.0±.4	40.12N±.02	142.92E±.03	13±4	2.8	¶97ii1785	
ISC	**II**	**12 20 09 51**±5.6	**40.5N**±.24	**141.5E**±.29	**123**±46		**14**	**0-2**
JMA	II	12 20 09 52.6±.2	40.46N±.01	141.51E±.02	111±2		¶97ii1812	
ISC	**II**	**13 00 25 56**±1.9	**39.59N**±.042	**142.3E**±.14	**1**±9.8		**27**	**0-4**
JMA	II	13 00 25 57.9±.2	39.55N±.01	142.19E±.02	12±2	3.5	¶97ii1844	
ISC	**II**	**13 00 39 25.0**±.81	**36.08N**±.094	**140.08E**±.088	**62**		**12**	**1-2**
JMA	II	13 00 39 24.8±.1	36.11N±.01	140.07E±.01	62±1		¶97ii1845	
ISC	**II**	**13 02 54 39**±2.7	**38.50N**±.090	**142.4E**±.29	**38**		**16**	**1-2**
JMA	II	13 02 54 39.1±.3	38.52N±.01	142.32E±.02	38±4	3.0	¶97ii1866	
ISC	**II**	**13 21 07 30.1**±.53	**39.57N**±.035	**142.21E**±.069	**15**		**38**	**0-5**
JMA	II	13 21 07 29.9±.2	39.56N±.01	142.19E±.02	15±2	3.5	¶97ii1980	
ISC	**II**	**13 21 44 42.8**±.45	**40.39N**±.033	**142.28E**±.084	**46**±31		**37**	**1-5**
JMA	II	13 21 44 43.2±.1	40.39N±.01	142.17E±.01	44±3	3.2	¶97ii1982	
ISC	**II**	**13 22 10 08**±1.0	**37.51N**±.061	**141.4E**±.13	**53**	3.3b	**28**	**0-63**
JMA	II	13 22 10 07.1±.2	37.49N±.01	141.47E±.02	53±4	3.3	¶97ii1986	
NEIC	II	13 22 10 07.5	37.50N	141.48E	33			
NEIC	Poor solution.							
JMA	**II**	**14 00 37 47.2**±.4	**36.56N**±.02	**140.40E**±.02	**82**±3		¶97ii1998	
ISC	**II**	**14 02 31 31**±3.1	**36.8N**±.19	**140.2E**±.29	**111**±35		**11**	**0-3**
JMA	II	14 02 31 32.0±.1	36.79N±.01	140.21E±.01	95±2		¶97ii2006	
ISC	**II**	**14 02 56 20**±4.6	**37.3N**±.26	**141.9E**±.35	**21**		**11**	**1-3**
JMA	II	14 02 56 17.8±.4	37.29N±.01	142.03E±.03	21±5	2.9	¶97ii2010	
ISC	**II**	**14 11 11 20.5**±.46	**39.55N**±.031	**142.27E**±.062	**16**		**50**	**0-5**
JMA	II	14 11 11 20.3±.3	39.56N±.01	142.21E±.02	16±2	3.5	¶97ii2048	
ISC	**II**	**14 14 48 35**±4.6	**38.8N**±.13	**141.5E**±.46	**107**±42		**8**	**0-2**
JMA	II	14 14 48 35.9±.2	38.82N±.01	141.50E±.03	99±2		¶97ii2065	
JMA	**II**	**14 15 45 32.3**±.4	**35.66N**±.02	**140.12E**±.02	**63**±3		¶97ii2072	
ISC	**II**	**14 18 40 40**±7.4	**36.6N**±.33	**141.4E**±.63	**39**		**13**	**1-3**
JMA	II	14 18 40 40.6±.5	36.65N±.02	141.30E±.04	39	2.8	¶97ii2099	
ISC	**II**	**14 20 50 59**±1.5	**35.63N**±.071	**140.08E**±.095	**73**±23		**20**	**0-2**
JMA	II	14 20 50 58.9±.3	35.66N±.01	140.06E±.02	72±3		¶97ii2111	
ISC	**II**	**14 22 07 16.4**±.26	**36.96N**±.025	**140.42E**±.047	**125**±3.7	**3.7b**	**100**	**0-119**
EIDC	II	14 22 07 16.0	37.3N	140.5E	78	3.3b,3.6L	¶97ii2123	
NEIC	II	14 22 07 17.2	36.97N	140.27E	124			
JMA	II	14 22 07 17.9±.1	36.93N±.01	140.32E±.01	113±2	3.9		
ISC	**II**	**15 01 24 29.4**±.52	**36.55N**±.032	**140.62E**±.064	**54**±13		**42**	**0-4**
JMA	II	15 01 24 28.9±.1	36.52N±.01	140.59E±.01	58±2	3.5	¶97ii2150	
NEIC	II	15 01 24 31.5	36.65N	140.40E	33			
NEIC	Single network solution.							
ISC	**II**	**15 01 44 50**±1.5	**36.7N**±.32	**140.5E**±.36	**68**		**8**	**0-2**
JMA	II	15 01 44 49.5±.1	36.67N±.01	140.51E±.01	68±2		¶97ii2157	
ISC	Poorly determined							
JMA	**II**	**15 05 22 42.2**±.2	**36.51N**±.03	**140.56E**±.05	**61**		¶97ii2177	
ISC	**II**	**15 15 58 27**±2.2	**35.63N**±.078	**140.1E**±.15	**73**±28		**19**	**0-2**
JMA	II	15 15 58 26.9±.3	35.66N±.01	140.05E±.02	65±3		¶97ii2259	
ISC	**II**	**15 17 39 07**±2.7	**36.3N**±.28	**140.4E**±.27	**94**		**5**	**0-1**
JMA	II	15 17 39 06.8±.2	36.32N±.01	140.40E±.01	94±2		¶97ii2270	
ISC	**II**	**15 18 40 08.9**±.46	**38.40N**±.028	**142.35E**±.065	**45**		**74**	**1-6**
NEIC	II	15 18 40 09.5	38.42N	142.23E	33		¶97ii2277	
JMA	II	15 18 40 10.0±.2	38.41N±.01	142.10E±.02	45±3	3.7		
NEIC	Single network solution.							
ISC	**II**	**15 20 12 35**±2.9	**39.57N**±.064	**142.3E**±.22	**9**±13		**17**	**0-3**
JMA	II	15 20 12 36.4±.2	39.55N±.01	142.19E±.02	12±2	3.2	¶97ii2287	
ISC	**II**	**15 22 56 43**±5.9	**36.7N**±.30	**141.8E**±.51	**59**		**8**	**1-2**
JMA	II	15 22 56 42.9±.5	36.71N±.02	141.78E±.05	59	2.8	¶97ii2306	
ISC	**II**	**15 23 37 16**±1.1	**36.36N**±.059	**141.00E**±.096	**27**±9.7		**26**	**0-3**
JMA	II	15 23 37 15.9±.2	36.36N±.01	141.01E±.02	45±3	3.1	¶97ii2311	
ISC	**II**	**16 03 29 33**±1.0	**36.51N**±.068	**140.9E**±.10	**46**±23		**26**	**0-3**
JMA	II	16 03 29 33.3±.2	36.52N±.01	140.92E±.02	50±2	3.2	¶97ii2334	
ISC	**II**	**16 06 43 35**±1.0	**35.60N**±.058	**140.15E**±.067	**87**±14		**40**	**0-4**
JMA	II	16 06 43 36.0±.2	35.63N±.01	140.07E±.01	77±2		¶97ii2349	
ISC	**II**	**16 09 27 07**±2.1	**37.0N**±.10	**141.3E**±.24	**39**±41		**18**	**0-3**
JMA	II	16 09 27 06.3±.2	37.02N±.01	141.27E±.02	48±2	3.1	¶97ii2357	
ISC	**II**	**16 09 41 49**±2.1	**36.5N**±.22	**140.5E**±.29	**91**		**6**	**0-1**
JMA	II	16 09 41 48.8±.2	36.45N±.01	140.50E±.02	91±2		¶97ii2358	
JMA	**II**	**16 17 46 28.1**±.2	**35.87N**±.01	**140.48E**±.01	**37**±3	**2.9**	¶97ii2401	
JMA	**II**	**16 18 06 00.0**±.3	**36.21N**±.02	**140.53E**±.02	**91**±3		¶97ii2403	
ISC	**II**	**16 20 22 33.9**±.25	**35.60N**±.022	**140.25E**±.032	**72**±2.5	**4.3b**	**198**	**0-148**
BJI	II	16 20 22 32.9	35.45N	140.35E	87	4.7b,5.0s	¶97ii2416	
JMA	II	16 20 22 33.8±.2	35.57N±.01	140.14E±.01	78±2	4.3		
NEIC	II	16 20 22 33.9	35.56N	140.19E	68	4.6b		
EIDC	II	16 20 22 34.9	35.5N	140.2E	70	3.8b		
MOS	II	16 20 22 35.7	35.8N	140.1E	75	4.9b		
JMA	**II**	**16 20 29 09.7**±.3	**35.58N**±.01	**140.13E**±.02	**61**±3	**2.4**	¶97ii2418	
ISC	**II**	**16 20 47 40.8**±.70	**35.55N**±.042	**140.15E**±.055	**75**±12		**46**	**0-5**
JMA	II	16 20 47 40.7±.2	35.57N±.01	140.11E±.01	75±2		¶97ii2420	
ISC	**II**	**16 21 03 47**±1.9	**35.6N**±.13	**140.1E**±.21	**62**		**6**	**1-1**
JMA	II	16 21 03 47.1±.4	35.61N±.02	140.14E±.03	62±3		¶97ii2422	
ISC	**II**	**16 21 05 35**±2.1	**35.53N**±.075	**140.2E**±.11	**80**±26		**20**	**0-2**
JMA	II	16 21 05 35.5±.2	35.57N±.01	140.10E±.02	70±3		¶97ii2423	
ISC	**II**	**16 22 37 31.7**±.87	**35.53N**±.048	**140.16E**±.062	**76**±14		**37**	**0-4**
JMA	II	16 22 37 31.7±.2	35.56N±.01	140.12E±.01	73±2		¶97ii2432	
ISC	**II**	**17 00 37 46**±6.4	**39.0N**±.17	**142.4E**±.63	**36**		**7**	**1-1**
JMA	II	17 00 37 45.7±.2	38.99N±.01	142.37E±.02	36±3	2.9	¶97ii2439	
ISC	**II**	**17 05 12 09**±4.4	**37.6N**±.21	**141.5E**±.43	**68**±56		**8**	**1-1**
JMA	II	17 05 12 09.4±.1	37.60N±.01	141.49E±.02	66±3		¶97ii2455	
ISC	**II**	**17 05 59 34**±2.0	**35.56N**±.082	**140.2E**±.11	**77**±25		**22**	**0-2**
JMA	II	17 05 59 34.5±.2	35.57N±.01	140.13E±.02	75±3		¶97ii2459	
ISC	**II**	**17 09 12 15**±5.7	**37.3N**±.31	**141.9E**±.50	**35**		**8**	**1-2**
JMA	II	17 09 12 15.9±.4	37.42N±.02	141.76E±.03	35	2.8	¶97ii2469	
ISC	**II**	**17 09 52 30.2**±.39	**35.39N**±.031	**140.53E**±.048	**57**±5.7	**3.7b**	**71**	**0-92**
EIDC	II	17 09 52 24.8	35.4N	140.7E	0	3.6b,3.5L	¶97ii2474	
NEIC	II	17 09 52 27.6	35.24N	140.66E	33			
JMA	II	17 09 52 29.8±.2	35.41N±.01	140.46E±.01	67±2	3.4		
ISC	**II**	**17 11 35 09.1**±.67	**35.71N**±.041	**140.67E**±.073	**39**±21		**33**	**0-4**
JMA	II	17 11 35 08.4±.2	35.75N±.01	140.71E±.02	47±2	3.1	¶97ii2483	
ISC	**II**	**17 11 54 33**±8.1	**38.4N**±.44	**142.2E**±.60	**33**		**10**	**1-2**
JMA	II	17 11 54 32.4±.3	38.44N±.02	142.19E±.02	33±5	2.8	¶97ii2486	
ISC	**II**	**17 14 05 44**±2.6	**36.4N**±.31	**140.5E**±.39	**91**		**5**	**0-1**
JMA	II	17 14 05 43.5±.2	36.40N±.01	140.49E±.01	91±2		¶97ii2501	
ISC	Poorly determined							
ISC	**II**	**17 15 23 16**±1.4	**40.23N**±.052	**141.3E**±.12	**87**±18		**18**	**0-2**
JMA	II	17 15 23 16.3±.1	40.23N±.00	141.30E±.01	87±2		¶97ii2511	
ISC	**II**	**17 16 02 45**±2.6	**34.41N**±.084	**140.2E**±.12	**68**±35		**15**	**0-1**
JMA	II	17 16 02 46.0±.2	34.40N±.01	140.18E±.01	60±4	2.8	¶97ii2513	
ISC	**II**	**17 21 03 32**±5.0	**37.9N**±.23	**141.6E**±.65	**93**±50		**9**	**1-2**
JMA	II	17 21 03 32.6±.2	37.91N±.01	141.54E±.03	87±3		¶97ii2547	
ISC	**II**	**17 21 53 22**±1.2	**36.43N**±.079	**141.0E**±.16	**43**		**12**	**0-3**
JMA	II	17 21 53 21.7±.2	36.45N±.01	141.04E±.03	43±4	2.8	¶97ii2553	
ISC	**II**	**17 22 18 18**±2.6	**37.2N**±.13	**141.8E**±.25	**38**		**14**	**1-2**
JMA	II	17 22 18 17.9±.3	37.22N±.01	141.82E±.02	38±4	2.9	¶97ii2556	
ISC	**II**	**17 22 21 30**±2.6	**38.93N**±.072	**142.5E**±.26	**22**		**16**	**1-2**
JMA	II	17 22 21 29.1±.2	38.89N±.01	142.56E±.02	22±3	3.2	¶97ii2558	
ISC	**II**	**18 00 56 10**±2.7	**37.3N**±.14	**141.8E**±.25	**38**		**14**	**1-2**
JMA	II	18 00 56 10.8±.3	37.36N±.02	141.76E±.03	38	2.8	¶97ii2582	
ISC	**II**	**18 10 09 46.3**±.63	**40.15N**±.042	**142.0E**±.11	**49**±19		**25**	**0-3**
JMA	II	18 10 09 46.1±.2	40.16N±.01	141.96E±.02	50±2	2.8	¶97ii2629	
ISC	**II**	**18 11 35 38**±2.9	**37.2N**±.22	**141.0E**±.63	**84**		**5**	**0-1**
JMA	II	18 11 35 37.5±.3	37.20N±.01	141.05E±.04	84±3		¶97ii2636	
ISC	Poorly determined							
ISC	**II**	**18 16 27 12**±1.3	**37.6N**±.15	**141.0E**±.32	**74**		**5**	**0-1**
JMA	II	18 16 27 12.3±.1	37.57N±.01	141.02E±.02	74±2		¶97ii2670	
JMA	**II**	**18 16 46 28.6**±.2	**35.60N**±.01	**140.21E**±.01	**63**±2		¶97ii2671	
ISC	**II**	**18 18 22 33**±2.5	**36.7N**±.17	**140.6E**±.19	**119**±20		**23**	**0-3**
JMA	II	18 18 22 34.8±.2	36.71N±.01	140.58E±.02	102±2		¶97ii2677	
ISC	**II**	**18 23 39 42**±2.0	**37.3N**±.10	**141.8E**±.20	**40**		**18**	**1-3**
JMA	II	18 23 39 41.3±.3	37.37N±.01	141.78E±.03	40	3.3	¶97ii2706	
JMA	**II**	**19 00 37 34.2**±.5	**37.35N**±.02	**141.65E**±.04	**44**	**3.0**	¶97ii2712	
ISC	**II**	**19 00 37 46**±3.3	**39.5N**±.17	**142.3E**±.40	**70**		**8**	**0-1**
JMA	II	19 00 37 46.4±.1	39.53N±.01	142.27E±.01	70±1		¶97ii2713	
ISC	**II**	**19 01 04 01.0**±.26	**35.56N**±.022	**140.23E**±.034	**77**±2.6	**4.2b**	**163**	**0-148**
MOS	II	19 01 03 58.8	35.6N	140.3E	59	4.8b	¶97ii2716	
BJI	II	19 01 03 59.3	35.39N	140.33E	74	4.5b		
NEIC	II	19 01 03 59.9	35.47N	140.28E	67	4.5b		
EIDC	II	19 01 04 01.0	35.5N	140.3E	63	3.8b		
JMA	II	19 01 04 01.2±.2	35.56N±.01	140.15E±.01	76±2	4.0		
NEIC	Felt in Chiba Prefecture. Also felt in the Tokyo area.							
ISC	**II**	**19 01 52 52**±1.5	**35.42N**±.069	**140.11E**±.092	**77**±20		**23**	**0-2**
JMA	II	19 01 52 52.3±.2	35.45N±.01	140.08E±.01	71±2	3.0	¶97ii2719	

ISC	**II**	**19 02 48 17**±1.5	**35.7N**±.12	**140.2E**±.18	**73**			**8**	**1-1**
JMA	II	19 02 48 17.1±.5	35.62N±.02	140.11E±.03	73±5				¶97ii2728
ISC	**II**	**19 04 00 38**±2.8	**35.2N**±.10	**140.1E**±.16	**70**±28			**16**	**0-2**
JMA	II	19 04 00 37.7±.2	35.23N±.01	140.12E±.01	68±2				¶97ii2731
ISC	**II**	**19 06 36 30**±1.0	**35.53N**±.055	**140.17E**±.067	**83**±16			**32**	**0-4**
JMA	II	19 06 36 30.2±.2	35.57N±.01	140.11E±.01	72±3				¶97ii2740
ISC	**II**	**19 06 53 06**±1.2	**36.1N**±.10	**140.2E**±.15	**62**±29			**17**	**1-3**
JMA	II	19 06 53 06.4±.1	36.10N±.01	140.13E±.02	59±3	2.9			¶97ii2742
ISC	**II**	**19 07 32 33**±1.1	**36.30N**±.047	**141.8E**±.12	**34**			**25**	**1-4**
JMA	II	19 07 32 32.3±.3	36.30N±.01	141.82E±.03	34	3.2			¶97ii2745
ISC	**II**	**19 07 46 30**±10	**40.8N**±.57	**141.9E**±.57	**71**±64			**11**	**1-3**
JMA	II	19 07 46 31.7±.2	40.73N±.01	141.80E±.03	62±3				¶97ii2746
ISC	**II**	**19 07 48 17**±13	**36.3N**±.71	**141.2E**±.99	**41**			**9**	**1-2**
JMA	II	19 07 48 19.0±.4	36.45N±.02	141.04E±.03	41±4	2.8			¶97ii2747
ISC	**II**	**19 10 16 41**±2.2	**35.56N**±.074	**140.1E**±.13	**84**±24			**17**	**0-2**
JMA	II	19 10 16 41.2±.3	35.59N±.01	140.06E±.02	72±3				¶97ii2766
ISC	**II**	**19 11 20 40**±4.3	**40.6N**±.35	**141.8E**±.36	**105**			**11**	**1-2**
JMA	II	19 11 20 39.3±.2	40.68N±.02	141.82E±.03	105±2				¶97ii2780
JMA	**II**	**19 16 38 56.1**±.2	**36.81N**±.01	**140.51E**±.02	**97**±2				¶97ii2809
ISC	**II**	**19 18 43 00**±4.2	**40.26N**±.030	**142.66E**±.076	**9**±33			**53**	**1-6**
JMA	II	19 18 43 01.9±.2	40.29N±.01	142.52E±.01	27±3	3.9			¶97ii2817
JMA	**II**	**19 18 59 18.1**±.3	**36.28N**±.01	**140.04E**±.02	**71**±3				¶97ii2820
ISC	**II**	**19 19 59 32**±1.2	**36.24N**±.066	**141.11E**±.098	**25**±11			**33**	**1-5**
NEIC	II	19 19 59 27.1	36.02N	141.48E	33				¶97ii2825
JMA	II	19 19 59 31.5±.2	36.25N±.01	141.12E±.02	42±4	3.2			
NEIC	Poor solution.								
ISC	**II**	**19 20 16 29**±6.3	**40.5N**±.28	**141.1E**±.20	**100**±55			**13**	**0-2**
JMA	II	19 20 16 29.1±.2	40.52N±.01	141.11E±.01	98±2				¶97ii2830
ISC	**II**	**19 20 21 49.0**±.23	**37.40N**±.018	**141.04E**±.027	**93**±2.2	**5.3b**		**525**	**0-161**
BJI	II	19 20 21 46.0	37.44N	141.09E	82	5.8b,4.7s			¶97ii2832
MOS	II	19 20 21 47.2	37.5N	141.1E	78	5.9b,4.6s			
NEIC	II	19 20 21 48.0	37.40N	141.07E	84	5.3b			
JMA	II	19 20 21 49.1±.1	37.38N±.01	141.16E±.01	88±3	5.3			
HRVD	II	19 20 21 49.2±.3	37.21N±.03	141.22E±.05	96±3.0				
EIDC	II	19 20 21 51.1	37.3N	141.0E	103	4.8b			
NEIC	Mw5.5(HRV)								
NEIC	Felt I=IV J in eastern Fukushima and northern Tochigi Prefectures.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c49; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.45±.05; $M_{\theta\theta}$−0.37±.10; $M_{\phi\phi}$0.82±.09; $M_{r\theta}$1.08±.05; $M_{r\phi}$1.59±.06; $M_{\theta\phi}$−0.42±.08. Principal Axes: T 1.93,Plg36°,Azm280°; N 0.30, Plg21°,Azm26°; P −2.22,Plg46°,Azm139°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_s312°,δ22°,λ−165°. NP2:ϕ_s208°,δ85°,λ−69°.								
ISC	**II**	**19 20 25 04**±2.5	**37.41N**±.096	**141.2E**±.20	**91**±23			**16**	**0-2**
JMA	II	19 20 25 04.5±.1	37.41N±.01	141.16E±.02	85±2				¶97ii2833
ISC	**II**	**19 22 25 20**±2.0	**36.4N**±.15	**140.6E**±.22	**107**±19			**20**	**0-3**
JMA	II	19 22 25 21.6±.2	36.41N±.01	140.46E±.01	94±2				¶97ii2844
ISC	**II**	**20 00 50 30**±4.3	**39.77N**±.097	**142.5E**±.45	**35**			**12**	**0-2**
JMA	II	20 00 50 29.1±.2	39.76N±.01	142.47E±.02	35±2	3.1			¶97ii2857
ISC	**II**	**20 01 34 15**±2.5	**37.5N**±.12	**141.5E**±.29	**74**±34			**13**	**1-2**
JMA	II	20 01 34 15.4±.3	37.55N±.01	141.48E±.03	73±4				¶97ii2860
ISC	**II**	**20 02 39 07.1**±.97	**35.89N**±.079	**140.8E**±.14	**20**±13			**19**	**0-4**
JMA	II	20 02 39 06.3±.4	35.85N±.02	140.97E±.04	30±4	3.3			¶97ii2865
ISC	**II**	**20 04 33 03**±2.9	**35.54N**±.099	**140.2E**±.16	**82**±32			**16**	**0-2**
JMA	II	20 04 33 04.6±.3	35.58N±.01	140.10E±.02	68±3				¶97ii2878
JMA	**II**	**20 09 00 53.5**±.4	**36.99N**±.05	**140.53E**±.03	**99**				¶97ii2899
ISC	**II**	**20 13 58 07.7**±.89	**40.43N**±.046	**142.3E**±.12	**38**			**22**	**1-4**
JMA	II	20 13 58 07.9±.2	40.41N±.01	142.24E±.02	38±3	2.9			¶97ii2936
ISC	**II**	**20 19 24 01**±1.3	**37.65N**±.075	**141.3E**±.16	**63**±21			**18**	**0-2**
JMA	II	20 19 24 01.0±.1	37.65N±.01	141.29E±.02	64±2				¶97ii2966
ISC	**II**	**20 22 24 30**±1.9	**40.07N**±.062	**142.2E**±.25	**40**±25			**15**	**0-3**
JMA	II	20 22 24 29.8±.2	40.08N±.01	142.12E±.02	42±2	3.0			¶97ii2987
ISC	**II**	**20 23 08 26**±3.0	**39.56N**±.087	**142.2E**±.25	**9**±14			**11**	**0-2**
JMA	II	20 23 08 26.4±.2	39.55N±.01	142.18E±.02	14±2	3.0			¶97ii2988
ISC	**II**	**21 00 08 42**±1.6	**38.53N**±.048	**141.6E**±.12	**13**±11			**18**	**0-2**
JMA	II	21 00 08 42.4±.1	38.52N±.00	141.58E±.01	14±2	3.3			¶97ii2994
ISC	**II**	**21 05 01 50**±1.8	**36.25N**±.086	**141.1E**±.24	**24**±16			**8**	**1-2**
JMA	II	21 05 01 50.3±.2	36.25N±.01	141.06E±.02	35±4	3.0			¶97ii3020
ISC	**II**	**21 07 07 13**±4.5	**39.9N**±.11	**142.4E**±.42	**29**±12			**14**	**0-2**
JMA	II	21 07 07 12.0±.3	39.91N±.01	142.44E±.03	36±3	3.2			¶97ii3033
ISC	**II**	**21 08 15 18**±1.2	**35.75N**±.075	**141.0E**±.12	**27**±9.8			**24**	**0-4**
JMA	II	21 08 15 17.5±.2	35.76N±.01	141.06E±.02	33±2	3.5			¶97ii3037
ISC	**II**	**21 08 15 56.0**±.56	**35.76N**±.035	**141.01E**±.071	**51**±7.3	**3.7b**		**59**	**0-79**
EIDC	II	21 08 15 50.9	35.6N	141.1E	0	3.7b,3.7L			¶97ii3038
NEIC	II	21 08 15 53.6	35.64N	141.12E	33				
JMA	II	21 08 15 54.4±.3	35.82N±.01	141.12E±.03	19±4	3.8			
JMA	**II**	**21 10 42 49.8**±.3	**35.63N**±.01	**140.14E**±.02	**62**±3				¶97ii3055
ISC	**II**	**21 13 55 35**±1.3	**37.21N**±.065	**141.0E**±.12	**102**±16			**24**	**0-2**
JMA	II	21 13 55 35.8±.1	37.20N±.01	141.02E±.02	96±2				¶97ii3079
ISC	**II**	**21 15 03 32**±4.8	**38.5N**±.20	**141.2E**±.39	**77**±46			**7**	**0-1**
JMA	II	21 15 03 32.2±.1	38.48N±.01	141.23E±.02	74±2				¶97ii3089
ISC	**II**	**21 20 15 58**±3.3	**35.58N**±.083	**140.4E**±.18	**84**±40			**19**	**0-2**
JMA	II	21 20 15 58.6±.2	35.60N±.01	140.38E±.01	72±2				¶97ii3115
ISC	**II**	**22 04 09 23**±1.4	**35.56N**±.066	**140.13E**±.089	**66**±22			**20**	**0-2**
JMA	II	22 04 09 23.1±.2	35.59N±.01	140.10E±.02	67±3				¶97ii3167
ISC	**II**	**22 09 19 24**±3.1	**37.4N**±.33	**141.1E**±.42	**84**			**5**	**0-1**
JMA	II	22 09 19 23.9±.4	37.33N±.02	141.13E±.06	84				¶97ii3188
ISC	Poorly determined								
ISC	**II**	**22 10 02 45**±6.3	**38.7N**±.20	**142.3E**±.61	**34**			**9**	**1-1**
JMA	II	22 10 02 45.3±.4	38.72N±.01	142.30E±.03	34±4	2.8			¶97ii3190
ISC	**II**	**22 12 35 37**±1.1	**38.9N**±.24	**141.2E**±.42	**114**			**5**	**0-1**
JMA	II	22 12 35 37.3±.2	38.91N±.01	141.23E±.02	114±2				¶97ii3205
ISC	**II**	**22 13 05 54.2**±.89	**35.75N**±.035	**140.99E**±.074	**30**±8.9			**42**	**0-4**
JMA	II	22 13 05 54.1±.3	35.78N±.02	140.98E±.04	33±3	3.3			¶97ii3208
NEIC	II	22 13 05 56.0	35.89N	140.93E	33				
NEIC	Poor solution.								
ISC	**II**	**22 14 01 34**±2.5	**34.6N**±.10	**140.4E**±.16	**55**±33			**20**	**0-2**
JMA	II	22 14 01 33.3±.3	34.60N±.01	140.34E±.02	61±3	2.6			¶97ii3215
ISC	**II**	**22 19 21 17**±1.8	**35.38N**±.085	**140.5E**±.13	**67**±20			**22**	**0-2**
JMA	II	22 19 21 16.9±.3	35.42N±.02	140.47E±.03	64±3				¶97ii3237
ISC	**II**	**22 19 24 03**±8.5	**40.1N**±.46	**141.4E**±.26	**72**±60			**7**	**0-1**
JMA	II	22 19 24 00.7±.3	40.24N±.02	141.45E±.02	86±2				¶97ii3238
ISC	**II**	**22 20 16 01**±8.2	**37.2N**±.12	**141.9E**±.27	**9**±55			**15**	**1-3**
JMA	II	22 20 16 00.9±.4	37.18N±.01	142.02E±.02	19±5	2.9			¶97ii3243
JMA	**II**	**22 20 31 21.4**±.1	**36.36N**±.01	**140.54E**±.01	**91**±1				¶97ii3244
JMA	**II**	**22 21 31 59.1**±.2	**36.58N**±.01	**140.14E**±.01	**110**±2				¶97ii3253
ISC	**II**	**23 01 12 00**±4.2	**36.3N**±.38	**140.6E**±.40	**92**			**5**	**0-1**
JMA	II	23 01 11 59.4±.4	36.23N±.02	140.63E±.02	92±3				¶97ii3276
ISC	**II**	**23 02 04 24**±1.0	**35.70N**±.046	**141.02E**±.087	**32**±9.0			**33**	**0-4**
JMA	II	23 02 04 23.4±.4	35.73N±.02	141.09E±.05	33±4	3.2			¶97ii3279
ISC	**II**	**23 09 56 59.2**±.57	**39.98N**±.046	**142.4E**±.11	**58**±20			**31**	**0-5**
JMA	II	23 09 56 59.8±.1	40.01N±.01	142.32E±.02	56±2	3.3			¶97ii3315
ISC	**II**	**23 13 02 31**±1.8	**35.79N**±.064	**141.1E**±.18	**25**±9.2			**19**	**0-3**
JMA	II	23 13 02 30.7±.6	35.79N±.02	141.06E±.06	30±3	2.9			¶97ii3333
JMA	**II**	**23 16 00 23.7**±.2	**35.82N**±.02	**140.08E**±.02	**99**±2				¶97ii3342
ISC	**II**	**23 16 08 28**±2.3	**34.5N**±.12	**140.3E**±.12	**82**±22			**22**	**0-3**
JMA	II	23 16 08 28.3±.2	34.53N±.01	140.22E±.01	82±2				¶97ii3343
ISC	**II**	**24 01 27 23**±1.0	**35.55N**±.056	**140.14E**±.072	**88**±15			**30**	**0-4**
JMA	II	24 01 27 23.9±.2	35.58N±.01	140.07E±.02	77±3				¶97ii3399
ISC	**II**	**24 11 54 03**±1.5	**37.03N**±.090	**141.3E**±.18	**33**±46			**23**	**0-3**
JMA	II	24 11 54 03.1±.2	37.04N±.01	141.25E±.02	51±2	2.9			¶97ii3470
ISC	**II**	**24 17 28 20**±3.7	**35.5N**±.10	**140.2E**±.21	**90**±37			**16**	**0-2**
JMA	II	24 17 28 21.5±.3	35.58N±.01	140.10E±.02	72±3				¶97ii3512
ISC	**II**	**24 23 18 00**±4.5	**39.68N**±.098	**142.6E**±.45	**35**			**10**	**1-2**
JMA	II	24 23 17 58.8±.2	39.67N±.01	142.60E±.02	35±3	2.8			¶97ii3553
ISC	**II**	**25 04 27 59**±1.0	**38.9N**±.14	**141.5E**±.27	**103**			**9**	**0-1**
JMA	II	25 04 27 59.3±.2	38.94N±.01	141.50E±.02	103±2				¶97ii3580
ISC	**II**	**25 06 31 26**±1.8	**35.83N**±.096	**141.2E**±.27	**35**±32			**10**	**0-3**
JMA	II	25 06 31 25.1±.2	35.84N±.01	141.21E±.02	45±2	2.9			¶97ii3592
ISC	**II**	**25 10 20 29**±3.4	**35.49N**±.071	**141.8E**±.20	**21**±22	**3.3b**		**23**	**1-65**
JMA	II	25 10 20 24.2±.8	35.49N±.02	142.29E±.08	67				¶97ii3611
EIDC	II	25 10 20 35.5	35.1N	135.7E	0	3.5L,3.3b			
JMA	**II**	**25 10 36 04.1**±.6	**35.56N**±.03	**140.13E**±.04	**65**±5				¶97ii3613
ISC	**II**	**25 13 04 02**±1.8	**36.4N**±.14	**140.7E**±.18	**107**±16			**24**	**0-4**
JMA	II	25 13 04 04.2±.2	36.46N±.01	140.54E±.02	92±2				¶97ii3624
ISC	**II**	**25 23 25 28**±3.2	**35.0N**±.16	**140.1E**±.16	**86**±28			**15**	**0-2**
JMA	II	25 23 25 27.9±.2	35.00N±.01	140.08E±.01	85±2				¶97ii3706
ISC	**II**	**26 01 17 46**±4.0	**36.7N**±.21	**141.5E**±.34	**41**			**12**	**1-2**
JMA	II	26 01 17 45.5±.4	36.70N±.02	141.53E±.03	41	3.0			¶97ii3725
ISC	**II**	**26 01 28 11**±1.3	**36.15N**±.089	**141.0E**±.15	**30**±14			**14**	**0-3**
JMA	II	26 01 28 11.5±.2	36.17N±.01	141.00E±.02	40±3	3.1			¶97ii3726
ISC	**II**	**26 06 20 18**±1.0	**40.66N**±.059	**142.6E**±.13	**11**			**19**	**1-2**
JMA	II	26 06 20 18.4±.4	40.66N±.01	142.58E±.02	11±5	3.2			¶97ii3750
ISC	**II**	**26 07 24 41**±1.7	**36.12N**±.092	**140.1E**±.10	**63**±28			**10**	**1-2**
JMA	II	26 07 24 41.0±.2	36.10N±.01	140.06E±.01	62±2				¶97ii3760
ISC	**II**	**26 10 48 35**±1.7	**37.39N**±.098	**141.2E**±.17	**91**±18			**20**	**0-3**
JMA	II	26 10 48 34.7±.2	37.38N±.01	141.18E±.02	87±2				¶97ii3782
ISC	**II**	**26 16 28 57**±5.6	**38.9N**±.12	**141.4E**±.37	**65**±56			**6**	**0-1**
JMA	II	26 16 28 57.2±.2	38.94N±.01	141.45E±.02	64±2				¶97ii3820
ISC	**II**	**26 17 20 10**±2.4	**37.0N**±.10	**141.5E**±.17	**29**±13			**24**	**1-3**
JMA	II	26 17 20 10.6±.2	37.03N±.01	141.43E±.02	42±3	3.2			¶97ii3828
ISC	**II**	**26 21 07 00**±1.5	**36.43N**±.079	**141.1E**±.19	**44**			**10**	**0-2**
JMA	II	26 21 06 59.5±.2	36.44N±.01	141.03E±.02	44±3	2.9			¶97ii3853
ISC	**II**	**26 21 23 52.3**±.45	**40.64N**±.035	**142.69E**±.076	**26**			**39**	**1-5**
JMA	II	26 21 23 51.9±.1	40.63N±.01	142.62E±.02	26	3.4			¶97ii3855
ISC	**II**	**26 22 12 03**±1.1	**37.34N**±.054	**141.8E**±.13	**38**			**30**	**1-3**
NEIC	II	26 22 12 00.8	37.33N	141.84E	10				¶97ii3868
JMA	II	26 22 12 02.3±.2	37.32N±.01	141.80E±.02	38	3.5			
NEIC	Poor solution.								
ISC	**II**	**26 22 48 02**±2.2	**35.0N**±.13	**140.1E**±.10	**87**±22			**19**	**0-2**
JMA	II	26 22 48 02.2±.2	34.99N±.01	140.08E±.01	87±2				¶97ii3872
ISC	**II**	**26 23 31 44**±1.1	**36.70N**±.066	**141.4E**±.12	**43**			**29**	**1-3**
JMA	II	26 23 31 42.6±.3	36.67N±.01	141.40E±.03	43	3.2			¶97ii3875
ISC	**II**	**27 05 50 55**±1.0	**35.93N**±.077	**140.3E**±.10	**26**±14			**13**	**1-2**
JMA	II	27 05 50 54.7±.1	35.93N±.01	140.25E±.01	46±2	2.8			¶97ii3909
ISC	**II**	**27 07 13 39**±2.8	**37.8N**±.16	**141.7E**±.38	**81**			**7**	**1-1**
JMA	II	27 07 13 39.4±.3	37.75N±.02	141.65E±.04	81				¶97ii3918
ISC	**II**	**27 17 38 28**±2.0	**34.85N**±.091	**140.7E**±.16	**50**±20			**18**	**0-2**
JMA	II	27 17 38 27.4±.2	34.88N±.01	140.73E±.02	60±2	2.7			¶97ii3988
ISC	**II**	**27 21 38 16**±2.6	**35.4N**±.27	**140.4E**±.32	**63**			**6**	**0-1**
JMA	II	27 21 38 15.3±.5	35.48N±.02	140.38E±.03	63±4				¶97ii4018
ISC	Poorly determined								
ISC	**II**	**28 00 21 20**±1.2	**34.7N**±.15	**140.3E**±.12	**86**±11	3.0b		**12**	**0-66**
JMA	II	28 00 21 21.3±.3	34.68N±.02	140.22E±.02	70±4				¶97ii4075
ISC	**II**	**28 02 32 06**±1.7	**36.1N**±.10	**141.0E**±.20	**43**			**6**	**0-2**
JMA	II	28 02 32 06.2±.3	36.11N±.01	140.86E±.02	43±2	2.9			¶97ii4106
JMA	**II**	**28 03 12 57.9**±.5	**36.27N**±.04	**140.50E**±.03	**93**±4				¶97ii4116
ISC	**II**	**28 04 51 09**±6.2	**39.9N**±.11	**142.5E**±.51	**24**±20			**15**	**0-2**
JMA	II	28 04 51 09.3±.2	39.90N±.01	142.42E±.02	37±2	2.8			¶97ii4130
ISC	**II**	**28 07 34 01**±1.5	**36.41N**±.082	**141.3E**±.15	**48**	3.0b		**21**	**1-64**
JMA	II	28 07 34 01.5±.2	36.42N±.01	141.28E±.03	48±4	3.0			¶97ii4167
ISC	**II**	**28 11 02 35**±4.8	**34.8N**±.22	**140.6E**±.28	**63**±47			**9**	**0-1**
JMA	II	28 11 02 34.4±.3	34.81N±.02	140.60E±.02	64±3				¶97ii4224
ISC	**II**	**28 12 33 50**±2.6	**37.0N**±.11	**141.8E**±.23	**22**			**18**	**1-3**
JMA	II	28 12 33 46.8±.4	36.87N±.01	142.04E±.03	22	3.0			¶97ii4247
ISC	**II**	**28 19 13 06**±2.9	**37.3N**±.14	**141.9E**±.29	**41**			**14**	**1-2**
JMA	II	28 19 13 06.2±.3	37.36N±.01	141.85E±.03	41	2.8			¶97ii4317
ISC	**II**	**28 19 46 36.9**±.35	**35.32N**±.026	**140.44E**±.043	**38**±5.0	**3.9b**		**93**	**0-79**
EIDC	II	28 19 46 33.4	35.4N	140.5E	0	3.9b,3.2L			¶97ii4321
NEIC	II	28 19 46 35.6	35.30N	140.49E	31				
JMA	II	28 19 46 36.8±.1	35.38N±.01	140.35E±.01	35±2	3.8			
ISC	**II**	**28 23 04 38**±2.0	**36.6N**±.24	**140.5E**±.35	**92**			**5**	**0-1**
JMA	II	28 23 04 37.7±.3	36.54N±.02	140.54E±.02	92±3				¶97ii4359
ISC	**III**	**01 04 42 50.6**±.85	**40.36N**±.054	**142.08E**±.092	**57**±29			**31**	**0-5**
JMA	III	01 04 42 51.0±.1	40.37N±.01	142.01E±.02	50±3	3.4			¶97iii0047
ISC	**III**	**01 11 46 54**±1.2	**38.62N**±.046	**141.9E**±.15	**43**±29			**29**	**0-4**
JMA	III	01 11 46 53.4±.2	38.60N±.01	141.93E±.02	50±2	3.6			¶97iii0100
ISC	**III**	**01 13 10 56.1**±.68	**38.74N**±.037	**141.09E**±.069	**5**±7.6			**23**	**0-3**
JMA	III	01 13 10 56.5±.0	38.73N±.00	141.11E±.00	14±1	3.1			¶97iii0112
JMA	**III**	**01 17 11 53.0**±.2	**36.16N**±.01	**140.10E**±.01	**66**±1				¶97iii0147
ISC	**III**	**01 17 56 40**±1.3	**36.24N**±.077	**140.9E**±.13	**44**			**15**	**0-3**
JMA	III	01 17 56 39.8±.2	36.25N±.01	140.85E±.02	44±3	2.8			¶97iii0155
ISC	**III**	**01 19 02 42**±2.2	**36.1N**±.13	**140.9E**±.27	**40**			**5**	**0-1**
JMA	III	01 19 02 41.8±.2	36.14N±.01	140.84E±.02	40±3	2.8			¶97iii0166
ISC	**III**	**01 19 55 40**±5.6	**38.6N**±.23	**142.1E**±.64	**77**			**10**	**1-2**
JMA	III	01 19 55 40.4±.4	38.61N±.01	142.06E±.04	77±4				¶97iii0175
ISC	**III**	**02 02 03 14**±3.9	**37.0N**±.18	**141.6E**±.36	**40**			**13**	**1-3**
JMA	III	02 02 03 12.4±.4	36.97N±.01	141.69E±.04	40	3.0			¶97iii0226
ISC	**III**	**02 02 30 29**±3.6	**36.7N**±.21	**141.1E**±.36	**35**			**13**	**0-3**
JMA	III	02 02 30 26.7±.3	36.68N±.01	141.32E±.02	35±3	2.9			¶97iii0227
ISC	**III**	**02 04 40 42**±3.1	**37.4N**±.14	**141.2E**±.41	**87**±40			**11**	**0-2**
JMA	III	02 04 40 41.7±.2	37.38N±.01	141.17E±.04	86±3				¶97iii0245
ISC	**III**	**02 12 32 48**±1.8	**38.82N**±.066	**141.6E**±.22	**118**±21			**18**	**0-3**
JMA	III	02 12 32 48.7±.2	38.82N±.01	141.60E±.02	106±2				¶97iii0306
ISC	**III**	**02 13 56 28**±2.1	**35.99N**±.084	**140.1E**±.12	**63**±36			**14**	**1-2**
JMA	III	02 13 56 28.3±.2	35.97N±.01	140.09E±.02	60±3	2.8			¶97iii0324
ISC	**III**	**02 14 05 01**±1.3	**37.54N**±.072	**141.3E**±.16	**91**±15			**22**	**0-2**
JMA	III	02 14 05 01.6±.1	37.54N±.01	141.25E±.02	86±2				¶97iii0326
JMA	**III**	**02 20 35 51.8**±.1	**36.56N**±.01	**140.55E**±.01	**66**±1				¶97iii0399
JMA	**III**	**02 21 27 51.6**±.1	**36.21N**±.01	**140.06E**±.01	**67**±1				¶97iii0408
ISC	**III**	**03 02 09 21**±2.5	**38.28N**±.094	**142.4E**±.25	**8**			**12**	**1-2**
JMA	III	03 02 09 19.8±.5	38.24N±.02	142.57E±.04	8	3.1			¶97iii0444

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °					
JMA	**III**	**03 02 16 24.5**±.3	**37.99N**±.02	**141.59E**±.04	**82**			¶97iii0446	JMA	III	09 20 58 55.0±.3	35.67N±.01	140.10E±.02	68±3		¶97iii2087
ISC	**III**	**03 06 25 10**±6.6	**36.8N**±.61	**140.6E**±.65	**68**		**4**	**0-1**	**ISC**	**III**	**09 23 29 09**±1.2	**36.24N**±.048	**140.26E**±.095	**119**±17		**27**	**0-3**
JMA	III	03 06 25 10.3±.2	36.81N±.01	140.62E±.02	68±2			¶97iii0496	JMA	III	09 23 29 10.5±.2	36.23N±.01	140.23E±.01	96±2		¶97iii2109
ISC		Poorly determined							**JMA**	**III**	**10 03 31 09.2**±.7	**36.18N**±.04	**140.89E**±.04	**24**	**2.8**	¶97iii2138
ISC	**III**	**03 08 49 59.4**±.85	**38.25N**±.037	**141.7E**±.11	**46**±22		**39**	**0-4**	**ISC**	**III**	**10 06 11 56**±4.2	**36.8N**±.25	**141.3E**±.36	**37**		**10**	**1-2**
JMA	III	03 08 49 59.0±.1	38.24N±.01	141.71E±.02	54±2	3.7		¶97iii0524	JMA	III	10 06 11 54.4±.3	36.76N±.01	141.39E±.02	37±3	2.8	¶97iii2155
ISC	**III**	**03 13 39 47.4**±.31	**36.48N**±.023	**140.87E**±.044	**61**±3.9	**3.8b**	**126**	**0-91**	**ISC**	**III**	**10 07 09 34**±3.3	**39.55N**±.069	**142.2E**±.26	**5**±12		**12**	**0-2**
MOS	III	03 13 39 43.6	36.5N	141.1E	33	4.9b		¶97iii0592	JMA	III	10 07 09 34.9±.1	39.55N±.00	142.17E±.01	12±2	2.9	¶97iii2163
EIDC	III	03 13 39 45.7	36.5N	140.9E	26	3.7b,3.6L			**ISC**	**III**	**10 19 55 06**±1.4	**40.03N**±.057	**141.7E**±.20	**77**±16		**15**	**0-2**
NEIC	III	03 13 39 47.8	36.44N	140.70E	62				JMA	III	10 19 55 06.2±.1	40.03N±.00	141.69E±.02	75±1		¶97iii2264
JMA	III	03 13 39 48.0±.1	36.45N±.01	140.72E±.02	51±2	3.9			**ISC**	**III**	**11 06 10 27**±2.5	**36.7N**±.22	**140.8E**±.40	**87**		**5**	**0-1**
NEIC		Less reliable solution.							JMA	III	11 06 10 26.5±.3	36.70N±.01	140.83E±.02	87±3		¶97iii2319
ISC	**III**	**03 17 27 23**±4.1	**40.6N**±.24	**142.1E**±.46	**84**		**10**	**1-2**	**ISC**	**III**	**11 13 49 20.7**±.37	**35.87N**±.027	**140.59E**±.051	**41**±8.2	**3.6b**	**60**	**0-60**
JMA	III	03 17 27 24.0±.3	40.58N±.01	142.04E±.03	84±4			¶97iii0649	EIDC	III	11 13 49 16.5	35.8N	140.5E	0	3.7b,3.3L		¶97iii2385
ISC	**III**	**04 03 26 33**±1.6	**35.7N**±.14	**140.3E**±.18	**67**		**6**	**0-2**	NEIC	III	11 13 49 18.3	35.68N	140.58E	33			
JMA	III	04 03 26 33.4±.5	35.65N±.03	140.26E±.04	67±4			¶97iii0765	JMA	III	11 13 49 20.2±.1	35.91N±.01	140.53E±.02	38±3	3.6		
ISC	**III**	**04 04 27 03**±5.9	**36.9N**±.24	**140.8E**±.43	**111**±55		**7**	**0-2**	NEIC		Single network solution.						
JMA	III	04 04 27 03.9±.2	36.96N±.01	140.74E±.02	99±2			¶97iii0783	**ISC**	**III**	**11 13 51 35.8**±.40	**35.88N**±.030	**140.54E**±.056	**43**±9.3	**3.4b**	**51**	**0-56**
ISC	**III**	**04 10 30 16**±1.9	**36.49N**±.075	**141.2E**±.20	**24**±12		**12**	**1-2**	EIDC	III	11 13 51 31.3	35.8N	140.5E	0	3.1L,3.6b		¶97iii2387
JMA	III	04 10 30 15.5±.3	36.47N±.01	141.25E±.03	39±4	3.1		¶97iii0830	NEIC	III	11 13 51 33.6	35.72N	140.56E	33			
ISC	**III**	**04 11 45 21**±4.2	**37.7N**±.18	**141.8E**±.47	**77**±50		**9**	**1-2**	JMA	III	11 13 51 35.3±.1	35.91N±.01	140.51E±.02	37±2	3.4		
JMA	III	04 11 45 21.6±.2	37.76N±.01	141.72E±.03	71			¶97iii0838	NEIC		Single network solution.						
JMA	**III**	**04 11 52 55.8**±.6	**36.60N**±.02	**141.20E**±.05	**38**	**2.8**		¶97iii0839	**ISC**	**III**	**11 14 01 05.7**±.95	**35.87N**±.056	**140.5E**±.11	**34**±37		**16**	**0-2**
ISC	**III**	**04 12 13 39**±1.1	**36.17N**±.058	**141.04E**±.095	**23**±12		**30**	**0-4**	JMA	III	11 14 01 05.4±.1	35.89N±.01	140.48E±.02	36±2	2.8	¶97iii2388
JMA	III	04 12 13 39.2±.3	36.15N±.01	141.04E±.03	41±4	3.2		¶97iii0841	**JMA**	**III**	**11 15 06 23.0**±.2	**35.88N**±.02	**140.48E**±.01	**36**±3	**2.8**	¶97iii2400
ISC	**III**	**04 22 27 50**±1.3	**35.59N**±.081	**140.17E**±.074	**74**±20		**27**	**0-4**	**ISC**	**III**	**12 03 13 40**±3.2	**40.1N**±.12	**142.1E**±.35	**40**±26		**14**	**0-2**
JMA	III	04 22 27 50.5±.2	35.63N±.01	140.15E±.02	69±3			¶97iii0933	JMA	III	12 03 13 40.8±.2	40.04N±.01	142.06E±.02	40±2	2.8	¶97iii2472
ISC	**III**	**05 03 01 58**±2.4	**37.43N**±.096	**141.6E**±.20	**27**±14		**15**	**1-3**	**ISC**	**III**	**12 07 32 58**±2.1	**35.9N**±.10	**140.5E**±.19	**40**±52		**8**	**0-2**
JMA	III	05 03 01 58.4±.3	37.45N±.01	141.58E±.03	42±5	3.1		¶97iii0967	JMA	III	12 07 32 58.3±.1	35.87N±.01	140.48E±.01	37±2	2.9	¶97iii2493
ISC	**III**	**05 06 39 15.1**±.86	**35.99N**±.071	**140.25E**±.078	**28**±11		**17**	**1-2**	**ISC**	**III**	**12 10 05 35**±1.5	**34.68N**±.075	**140.7E**±.13	**54**±17		**19**	**0-3**
JMA	III	05 06 39 15.1±.1	36.00N±.01	140.27E±.01	44±2	3.1		¶97iii1000	JMA	III	12 10 05 34.2±.4	34.65N±.02	140.71E±.03	62±3		¶97iii2509
ISC	**III**	**05 10 57 29**±2.6	**35.64N**±.098	**140.2E**±.14	**77**±34		**10**	**0-2**	**JMA**	**III**	**12 11 39 53.9**±.3	**35.19N**±.01	**140.04E**±.02	**86**±3		¶97iii2528
JMA	III	05 10 57 29.3±.2	35.66N±.01	140.13E±.02	67±3			¶97iii1045	**ISC**	**III**	**12 18 29 35.6**±.46	**40.39N**±.040	**142.33E**±.097	**42**±39		**37**	**1-5**
ISC	**III**	**05 12 23 17.0**±.79	**36.33N**±.049	**140.05E**±.069	**71**±15		**28**	**0-3**	JMA	III	12 18 29 36.5±.1	40.38N±.01	142.16E±.02	45±4	3.0	¶97iii2573
JMA	III	05 12 23 17.0±.1	36.32N±.01	140.04E±.01	71±2			¶97iii1057	**ISC**	**III**	**12 21 06 33**±1.7	**36.84N**±.093	**141.8E**±.22	**78**±31		**20**	**1-3**
ISC	**III**	**05 13 15 12**±3.4	**35.8N**±.20	**141.5E**±.27	**44**		**15**	**1-3**	JMA	III	12 21 06 34.3±.3	36.85N±.01	141.68E±.03	68		¶97iii2587
JMA	III	05 13 15 11.7±.4	35.90N±.02	141.46E±.04	44±5	2.8		¶97iii1064	**JMA**	**III**	**13 02 30 35.7**±.5	**36.40N**±.02	**140.53E**±.03	**85**±4		¶97iii2627
ISC	**III**	**05 13 27 55**±1.1	**36.31N**±.078	**140.05E**±.091	**66**±18		**22**	**0-3**	**ISC**	**III**	**13 06 33 22**±4.4	**38.2N**±.22	**142.0E**±.40	**47**		**14**	**1-2**
JMA	III	05 13 27 54.6±.1	36.31N±.01	140.05E±.01	71±2			¶97iii1067	JMA	III	13 06 33 22.9±.3	38.31N±.01	141.92E±.03	47±4	2.9	¶97iii2658
ISC	**III**	**05 14 13 58.7**±.83	**36.14N**±.052	**140.13E**±.069	**60**±17		**27**	**1-4**	**ISC**	**III**	**13 10 09 56**±5.6	**36.8N**±.24	**141.9E**±.47	**35**		**11**	**1-2**
JMA	III	05 14 13 58.7±.1	36.14N±.01	140.10E±.01	57±1	3.1		¶97iii1076	JMA	III	13 10 09 57.8±.5	36.84N±.02	141.73E±.04	35	2.9	¶97iii2684
ISC	**III**	**05 21 58 31**±1.2	**36.41N**±.066	**141.2E**±.11	**24**±10		**25**	**1-4**	**ISC**	**III**	**13 11 18 10**±1.4	**34.65N**±.069	**140.2E**±.10	**63**±18		**22**	**0-2**
JMA	III	05 21 58 30.9±.2	36.41N±.01	141.15E±.02	44±3	3.0		¶97iii1135	JMA	III	13 11 18 09.5±.2	34.65N±.01	140.18E±.01	68±2		¶97iii2689
ISC	**III**	**05 22 25 05**±1.4	**34.3N**±.15	**141.0E**±.23	**110**±14		**9**	**0-66**	**ISC**	**III**	**13 11 52 19.3**±.54	**40.07N**±.042	**142.36E**±.083	**38**±36		**37**	**0-4**
JMA	III	05 22 25 09.0±.2	34.26N±.01	140.73E±.02	67			¶97iii1140	JMA	III	13 11 52 19.3±.2	40.09N±.01	142.27E±.03	45±2	3.1	¶97iii2696
ISC	**III**	**05 23 25 15**±5.5	**35.7N**±.50	**140.1E**±.37	**62**		**4**	**1-1**	**JMA**	**III**	**13 12 20 55.3**±.3	**37.70N**±.02	**141.52E**±.04	**75**		¶97iii2701
JMA	III	05 23 25 14.3±.1	35.71N±.01	140.10E±.01	62±1			¶97iii1147	**ISC**	**III**	**13 14 34 25**±2.6	**35.2N**±.13	**140.0E**±.12	**62**±28		**12**	**0-1**
ISC		Poorly determined							JMA	III	13 14 34 24.6±.2	35.16N±.01	140.01E±.01	62±2		¶97iii2722
ISC	**III**	**06 02 01 05**±2.8	**36.9N**±.16	**141.9E**±.23	**35**		**17**	**1-3**	**ISC**	**III**	**13 18 36 23**±4.7	**38.5N**±.20	**141.2E**±.40	**79**±45		**8**	**0-1**
JMA	III	06 02 01 04.3±.4	36.98N±.02	141.89E±.04	35	3.0		¶97iii1165	JMA	III	13 18 36 22.8±.3	38.48N±.01	141.23E±.03	74±3		¶97iii2750
ISC	**III**	**06 07 19 53.3**±.49	**40.09N**±.037	**141.96E**±.085	**50**±15		**33**	**0-4**	**ISC**	**III**	**13 22 54 12.6**±.55	**37.38N**±.040	**141.78E**±.089	**99**±12		**60**	**1-7**
JMA	III	06 07 19 53.3±.2	40.10N±.01	141.92E±.02	48±2	3.2		¶97iii1224	JMA	III	13 22 54 14.6±.1	37.40N±.01	141.59E±.02	76±3		¶97iii2778
ISC	**III**	**06 13 52 33.3**±.50	**40.70N**±.041	**142.72E**±.085	**31**		**33**	**1-4**	**ISC**	**III**	**14 11 20 21**±2.7	**36.82N**±.064	**141.7E**±.13	**5**±16		**26**	**1-3**
JMA	III	06 13 52 32.8±.1	40.70N±.01	142.65E±.02	31	3.1		¶97iii1283	JMA	III	14 11 20 22.4±.4	36.84N±.02	141.71E±.04	26	3.0	¶97iii2861
ISC	**III**	**06 14 53 41**±1.1	**39.99N**±.056	**142.5E**±.13	**33**		**20**	**1-4**	**ISC**	**III**	**14 13 23 24**±1.6	**37.0N**±.10	**141.4E**±.19	**50**±25		**26**	**0-3**
JMA	III	06 14 53 40.6±.2	39.98N±.01	142.47E±.02	33±2	3.0		¶97iii1295	JMA	III	14 13 23 24.0±.2	37.02N±.01	141.26E±.02	57±2	3.2	¶97iii2884
ISC	**III**	**06 17 12 18**±1.7	**40.33N**±.073	**141.4E**±.23	**84**±23		**12**	**0-2**	**ISC**	**III**	**14 15 54 47**±1.9	**38.95N**±.072	**141.7E**±.21	**71**±22		**13**	**0-2**
JMA	III	06 17 12 18.3±.1	40.33N±.00	141.43E±.01	84±1			¶97iii1317	JMA	III	14 15 54 47.3±.1	38.94N±.00	141.66E±.01	71±1		¶97iii2910
ISC	**III**	**06 19 56 19**±6.0	**36.1N**±.39	**141.3E**±.35	**29**		**11**	**1-3**	**ISC**	**III**	**14 15 57 31.9**±.68	**37.58N**±.049	**141.92E**±.096	**89**±10	3.5b	**62**	**1-58**
JMA	III	06 19 56 19.0±.6	36.19N±.03	141.31E±.04	29	2.9		¶97iii1340	NEIC	III	14 15 57 32.3	37.53N	141.92E	73		¶97iii2913
ISC	**III**	**06 22 21 10**±8.3	**35.8N**±.65	**140.2E**±.36	**78**±51		**9**	**1-4**	JMA	III	14 15 57 33.5±.1	37.59N±.01	141.75E±.02	76±3		
JMA	III	06 22 21 12.5±.4	36.02N±.03	140.06E±.02	72			¶97iii1361	EIDC	III	14 15 57 36.7	37.3N	141.7E	86	3.3b		
ISC	**III**	**07 01 16 38**±1.0	**40.75N**±.034	**142.11E**±.085	**22**±12		**29**	**1-4**	NEIC		Less reliable solution.						
JMA	III	07 01 16 38.7±.1	40.74N±.01	142.07E±.02	42	3.1		¶97iii1391	**ISC**	**III**	**14 20 06 41**±2.9	**39.53N**±.073	**142.4E**±.33	**45**		**14**	**0-2**
ISC	**III**	**07 10 26 00**±1.4	**38.66N**±.061	**141.4E**±.17	**75**±20		**15**	**0-2**	JMA	III	14 20 06 41.5±.2	39.52N±.01	142.31E±.03	45±2	3.0	¶97iii2941
JMA	III	07 10 26 00.6±.1	38.66N±.00	141.37E±.01	72±2			¶97iii1499	**ISC**	**III**	**14 21 39 00**±1.1	**36.71N**±.064	**141.4E**±.11	**37**		**29**	**1-3**
ISC	**III**	**07 10 39 17**±4.3	**39.62N**±.096	**142.7E**±.42	**27**		**12**	**1-2**	JMA	III	14 21 38 59.7±.2	36.69N±.01	141.28E±.02	37±3	3.2	¶97iii2951
JMA	III	07 10 39 16.0±.5	39.61N±.01	142.72E±.03	27±4	3.1		¶97iii1501	**JMA**	**III**	**15 02 18 56.4**±.3	**36.45N**±.02	**141.13E**±.03	**43**±4	**2.9**	¶97iii2979
ISC	**III**	**07 11 00 33**±2.2	**40.12N**±.062	**142.6E**±.12	**16**±16		**17**	**1-4**	**ISC**	**III**	**15 02 27 41**±1.5	**38.96N**±.076	**142.2E**±.16	**25**	3.4b	**15**	**0-62**
JMA	III	07 11 00 35.1±.3	40.11N±.01	142.44E±.03	36±3	3.0		¶97iii1503	JMA	III	15 02 27 37.8±.3	38.91N±.01	142.50E±.02	25±3	3.1	¶97iii2981
ISC	**III**	**07 15 16 47.4**±.97	**36.23N**±.035	**141.02E**±.079	**25**±11		**36**	**1-3**	**ISC**	**III**	**15 04 07 49**±1.6	**35.8N**±.13	**140.0E**±.24	**103**		**10**	**1-2**
JMA	III	07 15 16 47.4±.2	36.22N±.01	140.96E±.03	43±3	3.3		¶97iii1541	JMA	III	15 04 07 49.0±.2	35.80N±.01	140.01E±.01	103±2		¶97iii2994
ISC	**III**	**07 20 00 05**±2.9	**36.3N**±.11	**141.3E**±.45	**43**		**9**	**1-2**	**ISC**	**III**	**15 05 44 13**±3.7	**36.9N**±.25	**140.6E**±.37	**123**±32		**13**	**0-3**
JMA	III	07 20 00 05.1±.3	36.28N±.01	141.22E±.03	43	3.0		¶97iii1593	JMA	III	15 05 44 14.2±.4	36.90N±.02	140.61E±.03	107±3		¶97iii3010
ISC	**III**	**08 07 39 41**±3.7	**38.0N**±.15	**141.6E**±.41	**78**±55		**10**	**1-2**	**ISC**	**III**	**15 13 43 07**±3.5	**36.2N**±.12	**141.1E**±.40	**29**±19		**6**	**1-2**
JMA	III	08 07 39 41.1±.2	37.97N±.01	141.60E±.03	78±4			¶97iii1699	JMA	III	15 13 43 06.0±.2	36.23N±.01	141.20E±.02	49±2	2.8	¶97iii3059
ISC	**III**	**08 11 27 48**±1.5	**35.97N**±.049	**140.14E**±.090	**66**±25		**21**	**1-2**	ISC		Poorly determined						
JMA	III	08 11 27 47.8±.2	35.97N±.01	140.11E±.02	62±3			¶97iii1738	**ISC**	**III**	**15 16 50 19**±2.1	**36.37N**±.078	**141.1E**±.14	**31**±16		**17**	**1-3**
JMA	**III**	**08 13 22 09.6**±.4	**35.79N**±.02	**140.24E**±.03	**64**±4			¶97iii1756	JMA	III	15 16 50 19.2±.2	36.39N±.01	141.10E±.02	42±3	3.0	¶97iii3075
JMA	**III**	**08 14 30 33.7**±.2	**36.29N**±.01	**140.04E**±.01	**70**±2			¶97iii1767	**ISC**	**III**	**15 23 40 33**±1.9	**34.34N**±.075	**140.4E**±.13	**58**±27		**23**	**0-3**
ISC	**III**	**08 18 07 20**±4.0	**38.9N**±.10	**142.4E**±.38	**22**		**9**	**1-2**	JMA	III	15 23 40 32.7±.3	34.34N±.01	140.40E±.02	66±4		¶97iii3131
JMA	III	08 18 07 18.5±.4	38.91N±.01	142.55E±.03	22±4	2.8		¶97iii1808	**ISC**	**III**	**16 08 12 07.4**±.43	**40.70N**±.030	**142.79E**±.071	**29**		**46**	**1-60**
JMA	**III**	**08 20 53 35.5**±.3	**35.96N**±.01	**140.12E**±.02	**61**±2	**1.8**		¶97iii1830	JMA	III	16 08 12 07.2±.1	40.70N±.01	142.66E±.01	29	3.3	¶97iii3196
ISC	**III**	**09 09 09 04.8**±.94	**36.58N**±.069	**140.5E**±.10	**62**±13		**29**	**0-3**	**ISC**	**III**	**16 09 35 39**±7.5	**37.7N**±.27	**141.6E**±.58	**75**±59		**8**	**1-2**
JMA	III	09 09 09 05.0±.1	36.58N±.01	140.47E±.01	59±2	3.4		¶97iii1938	JMA	III	16 09 35 39.5±.3	37.71N±.01	141.54E±.03	71±4		¶97iii3204
ISC	**III**	**09 12 07 33.5**±.23	**35.62N**±.021	**140.23E**±.030	**68**±2.6	**4.2b**	**196**	**0-148**	**ISC**	**III**	**16 18 35 47**±3.1	**35.6N**±.11	**140.2E**±.18	**80**±34		**12**	**0-2**
MOS	III	09 12 07 31.4	35.6N	139.9E	48	4.9b		¶97iii1953	JMA	III	16 18 35 48.1±.3	35.59N±.01	140.16E±.02	68±3		¶97iii3255
EIDC	III	09 12 07 32.0	35.5N	140.3E	42	3.9b,4.4L			**ISC**	**III**	**17 00 03 23**±2.4	**36.6N**±.14	**141.4E**±.20	**33**		**17**	**1-3**
BJI	III	09 12 07 32.5	35.49N	140.44E	81	4.6b			JMA	III	17 00 03 22.9±.3	36.68N±.01	141.34E±.03	33±4	3.2	¶97iii3286
NEIC	III	09 12 07 33.1	35.56N	140.02E	63	4.8b			**ISC**	**III**	**17 00 12 53**±4.6	**38.1N**±.55	**141.5E**±.55	**80**±25	3.0b	**5**	**0-63**
JMA	III	09 12 07 33.3±.1	35.61N±.01	140.17E±.01	75±2	4.2			JMA	III	17 00 12 55.9±.4	38.25N±.02	141.37E±.03	65±3		¶97iii3290
ISC	**III**	**09 12 12 22**±7.9	**35.5N**±.20	**140.4E**±.73	**44**		**10**	**1-2**	ISC		Poorly determined						
JMA	III	09 12 12 24.2±.4	35.60N±.02	140.23E±.04	44	2.9		¶97iii1955	**ISC**	**III**	**17 04 22 01**±1.7	**35.57N**±.079	**140.2E**±.11	**73**±24		**17**	**0-2**
ISC	**III**	**09 12 31 33**±4.7	**35.6N**±.35	**140.3E**±.36	**61**		**6**	**1-2**	JMA	III	17 04 22 01.3±.2	35.60N±.01	140.12E±.02	70±3		¶97iii3315
JMA	III	09 12 31 33.7±.3	35.64N±.02	140.22E±.02	61±3	2.1		¶97iii1961	**ISC**	**III**	**17 04 26 32**±1.1	**35.56N**±.066	**140.19E**±.070	**84**±16		**34**	**0-5**
JMA	**III**	**09 12 43 03.6**±.4	**35.63N**±.02	**140.20E**±.02	**61**±3			¶97iii1964	JMA	III	17 04 26 32.5±.2	35.60N±.01	140.11E±.01	70±3		¶97iii3316
ISC	**III**	**09 12 55 48**±1.8	**35.6N**±.11	**140.3E**±.20	**66**		**13**	**0-2**	**ISC**	**III**	**17 05 03 08**±3.8	**40.0N**±.11	**141.3E**±.19	**88**±37		**10**	**0-1**
JMA	III	09 12 55 48.9±.3	35.62N±.01	140.19E±.02	66±3			¶97iii1969	JMA	III	17 05 03 07.0±.3	40.04N±.01	141.28E±.02	96±3		¶97iii3322
ISC	**III**	**09 13 06 03**±2.1	**35.60N**±.077	**140.2E**±.12	**76**±27		**17**	**0-2**	**ISC**	**III**	**17 07 19 57**±1.3	**38.32N**±.063	**141.8E**±.17	**48**		**17**	**0-3**
JMA	III	09 13 06 04.0±.2	35.62N±.01	140.18E±.02	67±3			¶97iii1971	JMA	III	17 07 19 56.3±.2	38.30N±.01	141.84E±.02	48±3	2.9	¶97iii3337
ISC	**III**	**09 18 20 09**±2.0	**35.61N**±.067	**140.2E**±.12	**78**±26		**22**	**0-2**	**ISC**	**III**	**18 01 02 35**±1.2	**36.98N**±.078	**141.5E**±.12	**32**	4.4b	**19**	**1-64**
JMA	III	09 18 20 09.0±.2	35.64N±.01	140.17E±.02	70±3			¶97iii2044	JMA	III	18 01 02 31.8±.4	36.87N±.02	141.71E±.04	32	3.3	¶97iii3460
JMA	**III**	**09 18 30 17.4**±.2	**35.92N**±.01	**140.02E**±.02	**74**±2			¶97iii2048	**ISC**	**III**	**18 01 31 55**±1.0	**36.38N**±.067	**140.61E**±.094	**50**±21		**18**	**0-3**
ISC	**III**	**09 19 41 05**±1.9	**36.89N**±.099	**141.8E**±.18	**26**		**21**	**1-3**	JMA	III	18 01 31 54.0±.1	36.38N±.01	140.60E±.01	56±2	3.2	¶97iii3467
JMA	III	09 19 41 05.1±.5	36.92N±.02	141.73E±.04	26	3.0		¶97iii2071	**ISC**	**III**	**18 02 00 34**±1.6	**38.49N**±.083	**141.4E**±.27	**70**±21		**12**	**0-1**
ISC	**III**	**09 19 54 45**±2.1	**35.61N**±.078	**140.2E**±.12	**77**±28		**20**	**0-2**	JMA	III	18 02 00 33.8±.1	38.49N±.01	141.40E±.02	68±2		¶97iii3471
JMA	III	09 19 54 45.5±.2	35.64N±.01	140.18E±.02	66±3			¶97iii2074	**ISC**	**III**	**18 04 12 29**±2.0	**37.5N**±.10	**141.9E**±.22	**42**		**16**	**1-3**
ISC	**III**	**09 20 58 54**±2.6	**35.64N**±.079	**140.2E**±.14	**85**±32		**16**	**0-2**	JMA	III	18 04 12 28.8±.4	37.48N±.02	141.82E±.04	42	3.0	¶97iii3486
									ISC	**III**	**18 05 05 34**±3.6	**35.9N**±.19	**140.0E**±.22	**70**±50		**7**	**1-2**
									JMA	III	18 05 05 34.7±.3	35.91N±.02	139.98E±.02	72±3		¶97iii3488

ISC	**III**	**18 06 22 58**±2.5	**38.9N**±.10	**142.0E**±.34	**40**±34		**10**	**0-1**	
JMA	III	18 06 22 58.0±.3	38.92N±.01	142.03E±.04	41±4	3.0			¶97iii3497
JMA	**III**	**18 14 43 24.5**±.3	**36.14N**±.02	**140.04E**±.02	**67**±3				¶97iii3552
JMA	**III**	**18 21 50 08.1**±.5	**36.33N**±.03	**140.41E**±.03	**86**±4				¶97iii3594
ISC	**III**	**18 23 49 05**±5.1	**40.4N**±.41	**142.0E**±.52	**88**		**7**	**0-2**	
JMA	III	18 23 49 04.8±.2	40.37N±.01	142.06E±.02	88±2				¶97iii3605
ISC	**III**	**19 03 38 18**±4.4	**37.0N**±.23	**141.1E**±.50	**87**±31		**9**	**0-2**	
JMA	III	19 03 38 18.2±.3	36.99N±.02	141.03E±.03	82±4				¶97iii3625
ISC	**III**	**19 07 16 04**±3.1	**37.3N**±.15	**141.9E**±.31	**43**		**9**	**1-2**	
JMA	III	19 07 16 03.8±.4	37.31N±.02	141.79E±.04	43	2.9			¶97iii3655
ISC	**III**	**19 07 39 55**±5.9	**38.3N**±.29	**142.0E**±.65	**73**		**6**	**1-1**	
JMA	III	19 07 39 55.7±.2	38.30N±.01	141.90E±.02	73±3				¶97iii3660
ISC	**III**	**19 09 28 11**±2.4	**37.97N**±.097	**141.0E**±.28	**76**±32		**10**	**0-2**	
JMA	III	19 09 28 10.5±.1	37.98N±.00	140.99E±.01	77±1				¶97iii3676
ISC	**III**	**19 10 05 08**±4.5	**37.4N**±.28	**141.0E**±.67	**106**±40		**11**	**0-2**	
JMA	III	19 10 05 08.0±.2	37.39N±.02	140.98E±.04	100±3				¶97iii3682
ISC	**III**	**19 10 38 04**±1.4	**37.27N**±.086	**141.4E**±.17	**54**±23		**20**	**0-3**	
JMA	III	19 10 38 03.5±.2	37.26N±.01	141.38E±.02	56±2	3.0			¶97iii3687
ISC	**III**	**19 10 58 15**±1.7	**40.1N**±.22	**141.6E**±.28	**104**		**9**	**0-2**	
JMA	III	19 10 58 14.8±.2	40.07N±.01	141.66E±.02	104±2				¶97iii3693
ISC	**III**	**19 15 39 42**±3.0	**36.5N**±.17	**141.7E**±.24	**37**		**23**	**1-3**	
JMA	III	19 15 39 42.1±.3	36.60N±.01	141.61E±.03	37	2.9			¶97iii3726
ISC	**III**	**19 15 54 52**±2.7	**38.39N**±.060	**142.2E**±.20	**29**±18		**21**	**1-3**	
JMA	III	19 15 54 52.2±.1	38.38N±.00	142.17E±.01	44±3	3.2			¶97iii3728
ISC	**III**	**19 18 42 35**±1.2	**36.41N**±.065	**141.2E**±.10	**26**±10		**32**	**1-4**	
JMA	III	19 18 42 35.7±.2	36.42N±.01	141.15E±.02	44±4	3.0			¶97iii3752
NEIC	III	19 18 42 36.4	36.48N	141.17E	33				
NEIC	Poor solution.								
ISC	**III**	**20 04 37 14**±3.7	**37.6N**±.20	**141.5E**±.49	**65**		**6**	**1-1**	
JMA	III	20 04 37 14.4±.2	37.62N±.01	141.52E±.02	65±3				¶97iii3834
ISC	**III**	**20 07 40 20**±2.1	**35.2N**±.13	**140.1E**±.13	**68**±27		**14**	**0-1**	
JMA	III	20 07 40 20.6±.2	35.24N±.02	140.12E±.02	66±3				¶97iii3865
ISC	**III**	**20 09 06 32**±3.6	**36.2N**±.15	**140.0E**±.19	**61**±50		**7**	**1-2**	
JMA	III	20 09 06 31.1±.3	36.18N±.01	140.02E±.02	77±3				¶97iii3874
ISC	**III**	**21 04 04 46**±1.8	**37.1N**±.17	**141.1E**±.34	**92**		**9**	**0-2**	
JMA	III	21 04 04 45.4±.3	37.08N±.02	141.06E±.04	92±3				¶97iii3995
ISC	**III**	**21 11 57 18**±2.9	**34.6N**±.13	**140.2E**±.14	**66**±34		**19**	**0-2**	
JMA	III	21 11 57 18.5±.2	34.63N±.01	140.17E±.01	61±3				¶97iii4070
ISC	**III**	**21 15 18 26**±4.4	**38.8N**±.12	**141.5E**±.45	**105**±40		**8**	**0-1**	
JMA	III	21 15 18 27.0±.2	38.78N±.01	141.50E±.03	98±2				¶97iii4088
JMA	**III**	**21 18 07 08.4**±.1	**36.41N**±.01	**140.54E**±.01	**90**±1				¶97iii4112
ISC	**III**	**21 23 33 03**±3.3	**35.6N**±.23	**140.2E**±.29	**63**		**7**	**1-2**	
JMA	III	21 23 33 03.9±.3	35.65N±.02	140.18E±.02	63±2				¶97iii4153
JMA	**III**	**21 23 39 16.0**±.3	**36.08N**±.01	**140.07E**±.02	**63**±3				¶97iii4154
JMA	**III**	**21 23 58 42.5**±.1	**38.97N**±.00	**141.15E**±.01	**82**±1				¶97iii4160
ISC	**III**	**22 03 52 37**±1.1	**36.14N**±.066	**140.04E**±.080	**72**±20		**22**	**1-3**	
JMA	III	22 03 52 37.2±.1	36.12N±.01	140.03E±.01	68±2				¶97iii4190
ISC	**III**	**22 04 53 23.6**±.70	**35.36N**±.043	**140.49E**±.061	**64**±11		**47**	**0-4**	
JMA	III	22 04 53 23.3±.2	35.38N±.01	140.43E±.02	66±2				¶97iii4203
ISC	**III**	**22 09 35 15**±1.2	**36.75N**±.061	**141.8E**±.12	**30**		**37**	**1-4**	
JMA	III	22 09 35 13.7±.3	36.76N±.01	141.80E±.03	30	3.4			¶97iii4238
JMA	**III**	**22 16 20 48.8**±.5	**36.52N**±.03	**140.59E**±.03	**61**±4	**1.2**			¶97iii4293
ISC	**III**	**22 22 21 06**±4.4	**36.1N**±.17	**141.6E**±.51	**73**		**6**	**1-2**	
JMA	III	22 22 21 05.3±.3	36.12N±.02	141.66E±.03	73				¶97iii4328
ISC	**III**	**22 23 20 14.4**±.69	**35.57N**±.039	**140.06E**±.053	**76**±12		**40**	**0-4**	
JMA	III	22 23 20 14.2±.2	35.59N±.01	140.04E±.01	75±2				¶97iii4336
ISC	**III**	**23 01 56 59.7**±.22	**40.50N**±.023	**141.52E**±.060	**95**±3.3	**3.8b**	**102**	**0-88**	
NEIC	III	23 01 57 00.0	40.48N	141.45E	100	4.1b			¶97iii4363
MOS	III	23 01 57 00.1	40.6N	141.5E	92	4.3b			
JMA	III	23 01 57 00.6±.1	40.52N±.00	141.40E±.01	83±2	3.6			
EIDC	III	23 01 57 02.2	40.5N	141.4E	109	3.5b			
ISC	**III**	**23 02 45 50**±3.2	**37.1N**±.22	**141.2E**±.45	**85**±27		**10**	**0-2**	
JMA	III	23 02 45 50.7±.2	37.14N±.01	141.17E±.03	83±3				¶97iii4371
ISC	**III**	**23 02 55 25.9**±.34	**35.36N**±.028	**140.44E**±.045	**66**±4.2	**3.7b**	**79**	**0-92**	
EIDC	III	23 02 55 19.7	35.2N	140.6E	0	3.7b,3.6L			¶97iii4372
NEIC	III	23 02 55 25.6	35.32N	140.43E	61	4.1b			
JMA	III	23 02 55 25.9±.1	35.37N±.01	140.37E±.01	67±2	3.6			
NEIC	Less reliable solution.								
ISC	**III**	**23 03 52 56**±1.6	**35.7N**±.14	**140.1E**±.21	**73**		**6**	**1-1**	
JMA	III	23 03 52 56.3±.4	35.72N±.02	140.03E±.03	73±4				¶97iii4382
ISC	**III**	**23 05 10 40.3**±.82	**35.61N**±.046	**140.04E**±.054	**79**±13		**39**	**0-4**	
JMA	III	23 05 10 40.4±.2	35.61N±.01	140.00E±.01	75±2				¶97iii4397
ISC	**III**	**23 05 58 55.1**±.20	**35.96N**±.018	**140.08E**±.025	**79**±1.8	**5.0b**	**399**	**0-159**	
BJI	III	23 05 58 53.6	35.94N	140.12E	87	5.2b,4.3s			¶97iii4402
MOS	III	23 05 58 55.0	36.0N	139.9E	73	5.6b			
JMA	III	23 05 58 55.1±.1	35.96N±.01	140.11E±.01	71±3	5.0			
NEIC	III	23 05 58 55.5	35.94N	139.99E	83	5.1b			
EIDC	III	23 05 58 55.6	35.8N	140.1E	74	4.6b,4.2s			
HRVD	III	23 05 59 00.0±.6	36.03N±.08	140.14E±.06	71±5.7				
NEIC	Mw5.2(HRV)								
NEIC	Felt I=III J in the Tokyo area. Also felt at Nikko and Yokohama.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.36±.37; $M_{\theta\theta}$0.06±.65; $M_{\phi\phi}$−4.42±.51; $M_{r\theta}$−1.34±.53; $M_{r\phi}$5.24±.57; $M_{\theta\phi}$−0.87±.52. Principal Axes: T 7.16,Plg62°,Azm242°; N −0.29,Plg12°,Azm356°; P −6.87,Plg25°,Azm92°. Best double couple: $M_0$7.0×10^{16}Nm, NP1: ϕ_S207°,δ23°,λ123°. NP2:ϕ_S352°,δ71°,λ77°.								
ISC	**III**	**23 06 56 39**±1.2	**38.55N**±.058	**141.5E**±.15	**66**±18		**18**	**0-3**	
JMA	III	23 06 56 38.7±.1	38.54N±.01	141.53E±.02	66±2				¶97iii4411
ISC	**III**	**23 15 59 52**±1.6	**37.3N**±.10	**141.1E**±.21	**103**±16		**19**	**0-3**	
JMA	III	23 15 59 52.3±.2	37.27N±.01	141.02E±.03	95±2				¶97iii4458
ISC	**III**	**24 03 55 37.3**±.35	**34.78N**±.030	**140.58E**±.041	**97**±3.3	**4.0b**	**131**	**0-84**	
EIDC	III	24 03 55 34.2	34.6N	140.9E	45	3.6b,4.0L			¶97iii4524
NEIC	III	24 03 55 36.9	34.69N	140.58E	86	4.7b			
JMA	III	24 03 55 38.3±.2	34.77N±.01	140.41E±.01	98±2	4.0			
MOS	III	24 03 55 39.4	34.5N	140.1E	110	4.4b			
ISC	**III**	**24 04 12 01**±3.3	**40.0N**±.11	**142.0E**±.30	**55**±26		**11**	**0-2**	
JMA	III	24 04 12 01.1±.2	39.98N±.01	142.02E±.02	56±1	2.8			¶97iii4527
ISC	**III**	**24 08 00 42**±3.8	**37.0N**±.21	**141.8E**±.42	**72**±36		**10**	**1-2**	
JMA	III	24 08 00 43.1±.4	37.07N±.02	141.61E±.04	72				¶97iii4546
ISC	**III**	**24 10 42 34**±2.4	**36.2N**±.11	**140.5E**±.13	**61**±34		**11**	**0-2**	
JMA	III	24 10 42 34.1±.1	36.15N±.01	140.46E±.01	61±2				¶97iii4561
ISC	**III**	**24 20 19 25**±7.5	**36.4N**±.36	**140.7E**±.31	**90**±56		**12**	**0-3**	
JMA	III	24 20 19 25.2±.2	36.36N±.01	140.62E±.02	82±2				¶97iii4614
ISC	**III**	**24 22 42 14**±1.3	**36.11N**±.079	**141.3E**±.13	**46**		**29**	**1-3**	
JMA	III	24 22 42 13.3±.3	36.10N±.01	141.25E±.03	46±4	3.4			¶97iii4632
ISC	**III**	**24 22 45 50**±2.6	**36.1N**±.12	**141.3E**±.27	**45**		**8**	**1-2**	
JMA	III	24 22 45 50.3±.3	36.09N±.02	141.20E±.02	45±4	3.0			¶97iii4633
ISC	**III**	**24 23 47 16**±1.9	**37.44N**±.096	**141.9E**±.21	**41**		**20**	**1-3**	
JMA	III	24 23 47 15.9±.2	37.45N±.01	141.84E±.03	41	3.3			¶97iii4642
ISC	**III**	**25 01 05 45**±2.6	**35.2N**±.12	**142.0E**±.20	**22**±17		**22**	**1-4**	
JMA	III	25 01 05 45.6±.3	35.22N±.01	141.94E±.03	50	3.1			¶97iii4652
ISC	**III**	**25 01 16 31**±1.0	**35.21N**±.061	**141.92E**±.098	**61**	**3.7b**	**56**	**1-55**	
JMA	III	25 01 16 29.7±.5	35.17N±.02	141.99E±.05	61				¶97iii4653
EIDC	III	25 01 16 34.1	34.6N	140.9E	0	3.6b,3.7s			
ISC	**III**	**25 13 47 38.5**±.46	**40.90N**±.036	**142.38E**±.083	**41**		**31**	**1-4**	
JMA	III	25 13 47 38.3±.1	40.90N±.01	142.31E±.01	41	3.1			¶97iii4739
ISC	**III**	**25 14 27 08.1**±.78	**36.24N**±.037	**140.64E**±.064	**99**±13		**49**	**0-4**	
JMA	III	25 14 27 08.8±.1	36.24N±.01	140.54E±.01	90±2	2.8			¶97iii4743
ISC	**III**	**26 11 29 45**±1.6	**35.48N**±.055	**141.39E**±.082	**23**±14		**52**	**0-9**	
JMA	III	26 11 29 46.5±.2	35.58N±.01	141.22E±.02	32±3	3.4			¶97iii4942
ISC	**III**	**26 11 31 39**±5.4	**37.7N**±.17	**141.6E**±.42	**76**±56		**9**	**1-2**	
JMA	III	26 11 31 39.2±.2	37.68N±.01	141.54E±.03	68±4				¶97iii4943
ISC	**III**	**26 12 33 51**±3.8	**38.7N**±.15	**142.0E**±.49	**67**±34		**12**	**0-2**	
JMA	III	26 12 33 51.6±.2	38.72N±.01	141.93E±.02	65±2				¶97iii4959
ISC	**III**	**26 13 49 31.5**±.36	**40.06N**±.028	**142.19E**±.071	**64**±6.8	**3.6b**	**64**	**0-154**	
NEIC	III	26 13 49 31.3	39.94N	142.46E	65				¶97iii4990
JMA	III	26 13 49 32.1±.1	40.09N±.00	142.05E±.01	58±1	3.7			
EIDC	III	26 13 49 33.7	39.9N	142.4E	69	3.3b,3.7L			
NEIC	Less reliable solution.								
ISC	**III**	**26 15 17 21**±4.0	**36.9N**±.19	**140.1E**±.18	**102**±41		**10**	**0-2**	
JMA	III	26 15 17 21.8±.2	36.85N±.01	140.12E±.01	96±2				¶97iii5013
ISC	**III**	**27 00 59 37**±1.1	**36.31N**±.060	**141.0E**±.10	**26**±10		**24**	**0-4**	
JMA	III	27 00 59 37.0±.2	36.29N±.01	140.92E±.02	38±3	3.1			¶97iii5106
ISC	**III**	**27 03 20 19**±3.0	**39.80N**±.085	**142.4E**±.29	**23**		**13**	**0-2**	
JMA	III	27 03 20 18.0±.3	39.82N±.01	142.43E±.03	23	3.0			¶97iii5127
ISC	**III**	**27 07 09 07.0**±.93	**35.57N**±.082	**140.2E**±.12	**61**		**9**	**1-2**	
JMA	III	27 07 09 07.0±.2	35.57N±.01	140.14E±.01	61±2	2.2			¶97iii5162
ISC	**III**	**27 15 33 28**±2.6	**40.6N**±.20	**141.7E**±.47	**101**		**8**	**1-2**	
JMA	III	27 15 33 28.5±.2	40.59N±.01	141.72E±.03	101±2				¶97iii5259
ISC	**III**	**27 19 34 25**±9.0	**40.4N**±.51	**141.7E**±.42	**92**±51		**10**	**1-2**	
JMA	III	27 19 34 26.4±.3	40.35N±.02	141.68E±.02	87±2				¶97iii5293
ISC	**III**	**28 01 53 22.0**±.57	**37.05N**±.041	**141.66E**±.091	**99**±12		**56**	**1-7**	
JMA	III	28 01 53 23.8±.1	37.04N±.01	141.50E±.02	74±3				¶97iii5344
ISC	**III**	**28 03 42 37**±1.3	**40.12N**±.060	**141.3E**±.14	**109**±18		**20**	**0-5**	
JMA	III	28 03 42 38.1±.1	40.13N±.00	141.25E±.02	95±1				¶97iii5354
ISC	**III**	**28 16 47 27**±1.6	**37.02N**±.079	**141.8E**±.15	**15**		**27**	**1-3**	
JMA	III	28 16 47 25.0±.5	36.97N±.02	141.93E±.03	15±5	3.0			¶97iii5461
ISC	**III**	**28 19 48 52**±3.3	**35.4N**±.18	**140.0E**±.35	**66**		**8**	**0-2**	
JMA	III	28 19 48 51.4±.5	35.38N±.02	140.07E±.03	66±4				¶97iii5474
ISC	**III**	**28 20 41 31**±6.8	**36.3N**±.47	**140.5E**±.45	**135**±46		**12**	**0-3**	
JMA	III	28 20 41 35.5±.3	36.51N±.02	140.33E±.02	100±3				¶97iii5482
ISC	**III**	**28 22 31 02.3**±.45	**40.13N**±.032	**142.57E**±.073	**36**		**51**	**1-5**	
JMA	III	28 22 31 02.2±.1	40.15N±.01	142.46E±.01	36±2	3.7			¶97iii5494
ISC	**III**	**29 01 03 24**±6.3	**38.9N**±.15	**141.2E**±.42	**87**±62		**6**	**0-1**	
JMA	III	29 01 03 24.3±.2	38.92N±.01	141.24E±.02	87±2				¶97iii5512
ISC	**III**	**29 02 01 40**±3.1	**40.0N**±.25	**142.0E**±.41	**67**		**5**	**0-1**	
JMA	III	29 02 01 39.9±.4	40.04N±.02	142.01E±.03	67±3				¶97iii5520
JMA	**III**	**29 03 28 53.5**±.2	**36.58N**±.01	**140.21E**±.01	**81**±2				¶97iii5525
ISC	**III**	**29 07 00 37**±2.5	**34.8N**±.17	**140.7E**±.14	**64**±22		**17**	**0-3**	
JMA	III	29 07 00 36.7±.2	34.81N±.02	140.66E±.02	66±2				¶97iii5553
JMA	**III**	**29 12 15 58.7**±.2	**39.63N**±.01	**142.80E**±.03	**67**±4				¶97iii5584
ISC	**III**	**29 15 51 04**±3.0	**35.8N**±.11	**141.5E**±.34	**45**		**7**	**0-2**	
JMA	III	29 15 51 03.9±.5	35.79N±.02	141.46E±.05	45	3.0			¶97iii5612
ISC	**III**	**29 22 43 55**±2.1	**37.09N**±.098	**141.9E**±.20	**24**		**19**	**1-3**	
JMA	III	29 22 43 54.8±.3	37.12N±.01	141.86E±.02	24	3.1			¶97iii5655
ISC	**III**	**29 23 21 46**±2.5	**35.6N**±.10	**140.2E**±.12	**82**±37		**15**	**0-2**	
JMA	III	29 23 21 45.9±.2	35.60N±.01	140.20E±.02	77±3				¶97iii5657
JMA	**III**	**30 02 38 41.6**±.1	**36.68N**±.01	**140.58E**±.01	**71**±1				¶97iii5681
JMA	**III**	**30 08 40 09.4**±.4	**35.79N**±.02	**140.99E**±.03	**32**±3	**2.8**			¶97iii5728
ISC	**III**	**30 12 00 25**±1.9	**38.92N**±.069	**141.3E**±.16	**78**±23		**13**	**0-2**	
JMA	III	30 12 00 25.3±.1	38.92N±.00	141.36E±.01	80±1				¶97iii5753
JMA	**III**	**30 16 04 16.1**±.2	**36.20N**±.04	**140.53E**±.03	**96**				¶97iii5773
ISC	**III**	**30 20 49 00**±3.2	**34.8N**±.21	**140.6E**±.21	**77**±27		**13**	**0-2**	
JMA	III	30 20 49 00.0±.3	34.80N±.03	140.62E±.02	73±3				¶97iii5803
ISC	**III**	**31 02 10 52.3**±.58	**40.89N**±.034	**142.10E**±.083	**58**±32		**32**	**1-4**	
JMA	III	31 02 10 52.4±.1	40.90N±.01	142.05E±.02	54	3.7			¶97iii5833
ISC	**III**	**31 07 37 16**±1.4	**36.13N**±.095	**140.9E**±.18	**32**±14		**8**	**0-2**	
JMA	III	31 07 37 15.0±.3	36.13N±.01	140.93E±.03	43±3	2.9			¶97iii5862
ISC	**III**	**31 20 05 53**±2.8	**37.1N**±.14	**141.8E**±.25	**35**		**14**	**1-3**	
JMA	III	31 20 05 52.0±.3	37.08N±.02	141.85E±.03	35	2.8			¶97iii5927
ISC	**III**	**31 20 48 52**±2.4	**35.56N**±.086	**140.2E**±.15	**81**±27		**18**	**0-2**	
JMA	III	31 20 48 52.9±.2	35.59N±.01	140.14E±.02	71±3				¶97iii5933
ISC	**III**	**31 22 32 41**±1.9	**37.1N**±.12	**141.3E**±.23	**59**±22		**17**	**0-3**	
JMA	III	31 22 32 41.3±.2	37.06N±.01	141.22E±.02	60±2	3.1			¶97iii5942
JMA	**IV**	**01 08 52 16.2**±.3	**36.15N**±.01	**140.93E**±.03	**43**±3	**2.8**			¶97iv0043
ISC	**IV**	**01 16 12 46.4**±.50	**40.48N**±.030	**141.53E**±.081	**90**±11		**42**	**0-4**	
JMA	IV	01 16 12 47.0±.1	40.48N±.00	141.44E±.01	83±2				¶97iv0104
ISC	**IV**	**01 16 22 07.0**±.75	**37.68N**±.051	**141.2E**±.11	**123**±10		**49**	**0-7**	
JMA	IV	01 16 22 08.8±.1	37.71N±.01	141.10E±.02	103±2				¶97iv0107
JMA	**IV**	**01 17 25 04.0**±.3	**38.52N**±.01	**142.07E**±.04	**77**±4				¶97iv0117
ISC	**IV**	**01 19 41 46**±2.8	**38.88N**±.083	**141.5E**±.25	**120**±31		**13**	**0-2**	
JMA	IV	01 19 41 46.8±.2	38.87N±.01	141.47E±.03	109±2				¶97iv0130
ISC	**IV**	**01 19 56 00**±2.0	**38.87N**±.071	**142.1E**±.25	**58**±31		**13**	**0-2**	
JMA	IV	01 19 56 00.0±.2	38.87N±.01	142.09E±.02	58±3	2.8			¶97iv0133
ISC	**IV**	**01 20 44 44**±5.2	**40.3N**±.17	**141.4E**±.24	**94**±49		**10**	**0-1**	
JMA	IV	01 20 44 44.7±.2	40.25N±.01	141.41E±.02	85±2				¶97iv0136
ISC	**IV**	**01 20 52 00.4**±.67	**39.91N**±.050	**142.81E**±.083	**28**		**31**	**1-4**	
JMA	IV	01 20 52 00.6±.2	39.93N±.01	142.70E±.02	28±3	3.2			¶97iv0137
JMA	**IV**	**02 00 15 05.0**±.0	**38.45N**±.00	**141.10E**±.00	**78**±				¶97iv0162
ISC	**IV**	**02 00 25 47**±2.5	**36.5N**±.24	**140.7E**±.35	**80**		**8**	**0-2**	
JMA	IV	02 00 25 47.1±.2	36.51N±.01	140.73E±.01	80±2				¶97iv0164
ISC	**IV**	**02 13 37 25**±5.5	**36.4N**±.40	**140.7E**±.52	**67**±26		**11**	**0-3**	
JMA	IV	02 13 37 25.9±.2	36.46N±.01	140.59E±.02	62±2				¶97iv0252
ISC	**IV**	**02 13 56 22.2**±.50	**40.60N**±.035	**142.93E**±.076	**28**		**37**	**1-5**	
JMA	IV	02 13 56 22.3±.1	40.63N±.01	142.78E±.02	28	3.2			¶97iv0254
ISC	**IV**	**02 16 58 26**±1.4	**37.19N**±.082	**141.6E**±.21	**78**±25		**20**	**1-3**	
JMA	IV	02 16 58 26.8±.2	37.20N±.01	141.53E±.02	73±3				¶97iv0274
ISC	**IV**	**02 19 30 47.1**±.96	**35.63N**±.068	**140.1E**±.12	**67**		**13**	**1-2**	
JMA	IV	02 19 30 47.1±.2	35.64N±.01	140.12E±.02	67±3				¶97iv0291
ISC	**IV**	**02 20 22 08**±4.6	**35.9N**±.13	**141.4E**±.31	**15**±17		**23**	**0-3**	
JMA	IV	02 20 22 10.7±.6	35.80N±.02	141.15E±.05	23	3.5			¶97iv0308
ISC	**IV**	**02 20 26 34**±3.1	**36.8N**±.19	**141.6E**±.27	**35**		**16**	**1-3**	
JMA	IV	02 20 26 33.2±.4	36.77N±.02	141.66E±.04	35	2.8			¶97iv0310
ISC	**IV**	**03 12 02 31.0**±.63	**40.04N**±.048	**142.3E**±.10	**48**		**27**	**0-4**	
JMA	IV	03 12 02 31.1±.2	40.05N±.01	142.20E±.02	48±2	3.0			¶97iv0425
JMA	**IV**	**03 12 51 22.3**±.3	**36.16N**±.02	**140.22E**±.02	**73**±3				¶97iv0433
JMA	**IV**	**03 15 30 51.4**±.3	**36.71N**±.02	**140.15E**±.02	**112**±3				¶97iv0447
ISC	**IV**	**03 15 47 08**±2.0	**39.53N**±.061	**142.0E**±.22	**25**±9.1		**13**	**0-2**	
JMA	IV	03 15 47 08.2±.2	39.53N±.01	142.04E±.02	30±2	3.1			¶97iv0449
ISC	**IV**	**03 20 48 14**±2.1	**38.28N**±.058	**141.6E**±.17	**13**±13		**20**	**0-2**	
JMA	IV	03 20 48 13.9±.1	38.28N±.00	141.56E±.01	14±1	2.9			¶97iv0475

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV 03 20 59 53**±5.2	**39.0N**±.11	**141.5E**±.29	**114**±50		**11**	**0-1**
JMA	IV 03 20 59 54.2±.2	38.99N±.01	141.52E±.02	106±2		¶97iv0476	
ISC	**IV 04 01 26 08**±1.9	**37.1N**±.11	**141.5E**±.18	**45**		**19**	**1-3**
JMA	IV 04 01 26 07.8±.3	37.13N±.01	141.48E±.03	45±4	3.1	¶97iv0521	
ISC	**IV 04 08 10 04**±2.4	**35.63N**±.083	**140.1E**±.11	**75**±37		**14**	**0-2**
JMA	IV 04 08 10 04.1±.2	35.65N±.01	140.08E±.02	68±3		¶97iv0571	
ISC	**IV 04 20 37 14.0**±.39	**38.06N**±.030	**141.17E**±.071	**94**±7.9		**68**	**0-7**
JMA	IV 04 20 37 15.2±.1	38.06N±.00	141.00E±.01	81±1		¶97iv0655	
ISC	**IV 05 04 59 35.2**±.43	**35.55N**±.034	**140.04E**±.046	**27**±5.9		**36**	**0-2**
JMA	IV 05 04 59 35.0±.1	35.58N±.01	140.02E±.01	29±2	3.3	¶97iv0696	
ISC	**IV 05 05 03 42.8**±.39	**35.53N**±.036	**140.02E**±.047	**27**		**29**	**0-2**
JMA	IV 05 05 03 42.3±.1	35.58N±.01	140.00E±.01	27±2	3.1	¶97iv0698	
ISC	**IV 05 05 06 14.6**±.88	**35.59N**±.082	**140.0E**±.13	**22**		**9**	**0-1**
JMA	IV 05 05 06 14.8±.1	35.60N±.01	140.03E±.01	22±3	2.9	¶97iv0699	
ISC	**IV 05 05 20 56.2**±.47	**35.57N**±.039	**140.01E**±.051	**17**±7.9		**27**	**0-2**
JMA	IV 05 05 20 56.0±.1	35.58N±.01	140.00E±.01	27±2	3.0	¶97iv0704	
ISC	**IV 05 07 31 39.4**±.59	**35.53N**±.052	**140.04E**±.066	**27**±6.8		**21**	**0-2**
JMA	IV 05 07 31 39.3±.1	35.57N±.01	140.02E±.01	27±2	2.8	¶97iv0725	
ISC	**IV 05 07 33 11**±2.6	**36.1N**±.11	**141.3E**±.27	**31**		**9**	**1-2**
JMA	IV 05 07 33 11.1±.3	36.16N±.01	141.32E±.03	31	2.8	¶97iv0726	
ISC	**IV 05 10 56 26.4**±.44	**35.52N**±.036	**140.05E**±.050	**29**±5.8		**32**	**0-2**
JMA	IV 05 10 56 26.2±.1	35.59N±.01	140.02E±.01	28±2	3.0	¶97iv0757	
ISC	**IV 05 15 35 03**±2.6	**36.6N**±.14	**141.4E**±.23	**38**		**19**	**1-3**
JMA	IV 05 15 35 03.6±.3	36.62N±.01	141.33E±.02	38±3	2.9	¶97iv0796	
ISC	**IV 05 19 09 07**±5.1	**39.9N**±.11	**142.5E**±.45	**29**±14		**15**	**0-3**
JMA	IV 05 19 09 07.4±.3	39.91N±.01	142.44E±.03	37±3	3.0	¶97iv0833	
ISC	**IV 05 20 28 43**±1.2	**34.54N**±.079	**140.29E**±.074	**87**±12		**29**	**0-5**
JMA	IV 05 20 28 43.8±.2	34.53N±.01	140.21E±.01	80±3		¶97iv0847	
ISC	**IV 05 23 54 18**±4.7	**39.0N**±.15	**141.7E**±.35	**64**±46		**7**	**0-1**
JMA	IV 05 23 54 17.8±.1	38.98N±.01	141.72E±.02	62±2		¶97iv0884	
ISC	**IV 06 01 35 51**±1.2	**36.9N**±.20	**140.4E**±.31	**88**		**4**	**0-1**
JMA	IV 06 01 35 51.3±.1	36.89N±.02	140.37E±.03	88		¶97iv0900	
ISC	Poorly determined						
ISC	**IV 06 03 37 29**±4.6	**37.6N**±.22	**141.9E**±.48	**74**±56		**10**	**1-2**
JMA	IV 06 03 37 30.7±.2	37.67N±.01	141.74E±.03	69		¶97iv0918	
ISC	**IV 06 04 48 33**±3.3	**37.3N**±.17	**141.0E**±.39	**100**±29		**10**	**0-2**
JMA	IV 06 04 48 33.3±.3	37.24N±.02	140.99E±.04	95±3		¶97iv0927	
ISC	**IV 06 08 11 20**±5.0	**35.6N**±.18	**140.1E**±.25	**79**±62		**5**	**0-1**
JMA	IV 06 08 11 20.7±.2	35.64N±.01	140.10E±.02	64±3		¶97iv0964	
ISC	Poorly determined						
ISC	**IV 06 09 57 14**±1.1	**34.53N**±.062	**140.05E**±.074	**57**±19		**28**	**0-3**
JMA	IV 06 09 57 13.5±.1	34.52N±.01	139.98E±.01	56±3	3.1	¶97iv0976	
ISC	**IV 06 18 55 35.8**±.63	**40.18N**±.037	**141.58E**±.076	**86**±12		**38**	**0-5**
JMA	IV 06 18 55 36.5±.1	40.18N±.00	141.49E±.01	79±1		¶97iv1039	
ISC	**IV 06 19 59 57**±9.3	**39.6N**±.21	**142.7E**±.90	**65**±57		**8**	**1-2**
JMA	IV 06 19 59 58.5±.3	39.61N±.01	142.59E±.03	60±4	2.3	¶97iv1047	
JMA	**IV 07 04 41 54.4**±.1	**35.81N**±.01	**140.17E**±.01	**70**±1		¶97iv1103	
ISC	**IV 07 12 19 22**±1.2	**40.25N**±.040	**142.39E**±.082	**31**±14		**35**	**1-4**
JMA	IV 07 12 19 22.8±.1	40.27N±.01	142.23E±.02	44±3	3.2	¶97iv1157	
ISC	**IV 07 20 43 48**±3.2	**35.7N**±.12	**140.2E**±.17	**76**±42		**9**	**0-1**
JMA	IV 07 20 43 49.0±.3	35.68N±.01	140.18E±.02	64±3		¶97iv1222	
JMA	**IV 07 22 31 33.6**±.5	**36.44N**±.02	**140.50E**±.03	**55**±4	**2.8**	¶97iv1238	
ISC	**IV 07 23 52 17**±1.2	**36.05N**±.055	**141.0E**±.14	**21**±12		**15**	**0-2**
JMA	IV 07 23 52 16.7±.3	36.01N±.02	141.02E±.04	44±4	2.8	¶97iv1245	
ISC	**IV 07 23 52 27**±2.4	**36.08N**±.092	**141.3E**±.24	**34**		**15**	**1-3**
JMA	IV 07 23 52 25.3±.5	36.08N±.02	141.37E±.05	34	3.4	¶97iv1246	
ISC	**IV 08 04 34 59**±1.1	**34.32N**±.069	**140.39E**±.076	**104**±11		**48**	**0-5**
JMA	IV 08 04 35 01.4±.2	34.35N±.01	140.21E±.02	86±3		¶97iv1276	
ISC	**IV 08 08 29 20**±1.1	**35.59N**±.069	**140.17E**±.072	**74**±18		**32**	**0-4**
JMA	IV 08 08 29 20.1±.2	35.62N±.01	140.13E±.02	72±3		¶97iv1300	
ISC	**IV 08 18 15 46**±2.0	**36.7N**±.10	**141.1E**±.24	**91**±25		**11**	**0-3**
JMA	IV 08 18 15 47.1±.2	36.65N±.01	141.03E±.02	80±3		¶97iv1384	
ISC	**IV 08 20 28 19**±1.4	**35.95N**±.067	**140.17E**±.091	**50**±40		**18**	**1-2**
JMA	IV 08 20 28 18.4±.2	35.96N±.01	140.15E±.01	61±2		¶97iv1402	
ISC	**IV 08 21 19 05**±2.2	**38.68N**±.060	**142.1E**±.21	**32**±15		**16**	**1-2**
JMA	IV 08 21 19 04.2±.2	38.65N±.01	142.16E±.02	42±3	2.9	¶97iv1409	
ISC	**IV 09 09 55 02**±3.5	**39.09N**±.084	**142.6E**±.32	**15**		**13**	**1-2**
JMA	IV 09 09 55 01.7±.4	39.09N±.01	142.55E±.03	15±4	3.2	¶97iv1494	
ISC	**IV 09 11 33 51**±6.4	**38.7N**±.17	**141.6E**±.61	**98**±47		**7**	**0-1**
JMA	IV 09 11 33 51.6±.3	38.73N±.01	141.61E±.03	91±2		¶97iv1509	
JMA	**IV 09 13 40 20.4**±.3	**36.58N**±.02	**140.45E**±.02	**93**±3		¶97iv1521	
ISC	**IV 09 13 43 49**±3.3	**36.8N**±.22	**141.3E**±.41	**90**±27		**11**	**1-3**
JMA	IV 09 13 43 50.4±.2	36.85N±.01	141.21E±.03	82±3		¶97iv1523	
ISC	**IV 09 16 28 48**±5.3	**35.7N**±.15	**140.2E**±.25	**129**±50		**10**	**0-1**
JMA	IV 09 16 28 51.6±.4	35.71N±.02	140.06E±.03	83±4		¶97iv1552	
ISC	**IV 09 22 39 58**±2.4	**35.76N**±.072	**140.3E**±.14	**80**±30		**16**	**0-2**
JMA	IV 09 22 39 58.7±.3	35.77N±.01	140.20E±.02	74±3		¶97iv1593	
JMA	**IV 09 23 52 07.8**±.4	**35.02N**±.04	**140.36E**±.02	**100**±3		¶97iv1601	
ISC	**IV 10 03 13 51.2**±.95	**36.63N**±.045	**140.30E**±.086	**123**±14		**40**	**0-4**
JMA	IV 10 03 13 52.2±.2	36.61N±.01	140.25E±.01	111±2		¶97iv1619	
ISC	**IV 10 04 43 08.2**±.29	**35.19N**±.027	**140.04E**±.035	**83**±3.6	**3.8b**	**110**	**0-149**
EIDC	IV 10 04 43 06.6	35.0N	140.0E	59	3.5b,3.2L	¶97iv1631	
NEIC	IV 10 04 43 07.3	35.10N	140.12E	78	4.4b		
JMA	IV 10 04 43 08.7±.1	35.19N±.01	139.95E±.01	79±2	3.7		
ISC	**IV 10 05 11 59**±1.8	**35.1N**±.15	**141.0E**±.25	**62**		**6**	**0-1**
JMA	IV 10 05 11 59.4±.4	35.06N±.02	140.98E±.03	62±4		¶97iv1637	
ISC	**IV 10 06 45 14.0**±.86	**36.12N**±.058	**140.11E**±.071	**63**±18		**26**	**1-4**
JMA	IV 10 06 45 13.8±.1	36.10N±.01	140.08E±.01	66±2		¶97iv1647	
ISC	**IV 10 10 22 06**±2.5	**35.6N**±.17	**140.2E**±.27	**64**		**7**	**1-1**
JMA	IV 10 10 22 07.0±.2	35.66N±.01	140.12E±.02	64±3		¶97iv1672	
ISC	**IV 10 11 59 25**±2.8	**39.56N**±.065	**142.2E**±.21	**9**±12		**15**	**0-3**
JMA	IV 10 11 59 26.2±.2	39.55N±.01	142.18E±.02	12±2	3.5	¶97iv1685	
ISC	**IV 10 13 19 50**±1.5	**36.5N**±.23	**140.2E**±.28	**102**		**6**	**0-1**
JMA	IV 10 13 19 49.6±.3	36.52N±.02	140.23E±.02	102±3		¶97iv1697	
ISC	**IV 10 20 28 12**±12	**36.2N**±.73	**141.0E**±.79	**43**		**7**	**1-2**
JMA	IV 10 20 28 13.4±.3	36.26N±.01	140.95E±.03	43±3	2.9	¶97iv1743	
ISC	**IV 10 23 30 12.7**±.29	**36.36N**±.023	**140.70E**±.041	**71**±3.8	**3.9b**	**129**	**0-79**
MOS	IV 10 23 30 11.4	36.5N	140.5E	51	4.5b	¶97iv1762	
BJI	IV 10 23 30 11.9	36.27N	140.63E	73	4.4b		
NEIC	IV 10 23 30 12.8	36.31N	140.57E	72	4.6b		
EIDC	IV 10 23 30 13.1	36.3N	140.6E	56	3.7b,2.8s		
JMA	IV 10 23 30 13.9±.1	36.36N±.01	140.54E±.01	54±2	4.1		
ISC	**IV 11 01 00 44**±3.2	**40.1N**±.12	**142.2E**±.34	**37**±25		**13**	**0-2**
JMA	IV 11 01 00 44.1±.2	40.03N±.01	142.07E±.02	41±2	2.9	¶97iv1770	
JMA	**IV 11 03 15 42.8**±.5	**36.66N**±.03	**140.80E**±.04	**83**±4		¶97iv1792	
ISC	**IV 11 04 07 22**±1.9	**35.79N**±.058	**140.02E**±.075	**118**±23		**29**	**0-3**
JMA	IV 11 04 07 23.1±.2	35.80N±.01	140.00E±.01	106±2		¶97iv1800	
ISC	**IV 11 07 35 20.9**±.85	**36.35N**±.057	**140.61E**±.086	**59**±15		**29**	**0-4**
JMA	IV 11 07 35 20.7±.1	36.33N±.01	140.55E±.01	59±2	3.3	¶97iv1831	
ISC	**IV 11 15 10 32**±5.4	**36.5N**±.26	**141.6E**±.46	**39**		**9**	**1-2**
JMA	IV 11 15 10 29.8±.6	36.40N±.02	141.68E±.05	39	2.8	¶97iv1927	
ISC	**IV 11 19 58 22.6**±.67	**35.55N**±.040	**140.32E**±.059	**53**±15		**40**	**0-4**
JMA	IV 11 19 58 21.9±.2	35.60N±.01	140.30E±.02	57±3	3.0	¶97iv1969	
NEIC	IV 11 19 58 22.4	35.68N	140.26E	10			
NEIC	Poor solution.						
ISC	**IV 11 20 06 47**±2.3	**36.1N**±.25	**140.1E**±.24	**64**		**4**	**1-1**
JMA	IV 11 20 06 46.7±.2	36.12N±.01	140.09E±.01	64±2		¶97iv1971	
ISC	Poorly determined						
ISC	**IV 11 21 29 17**±3.8	**40.6N**±.24	**142.0E**±.55	**91**		**8**	**1-2**
JMA	IV 11 21 29 17.0±.2	40.58N±.01	141.92E±.03	91±3		¶97iv1978	
ISC	**IV 12 00 56 28**±1.2	**35.03N**±.070	**140.38E**±.092	**60**±15		**24**	**0-3**
JMA	IV 12 00 56 27.9±.2	35.03N±.01	140.35E±.01	66±2		¶97iv1996	
ISC	**IV 12 05 49 05.3**±.47	**40.38N**±.031	**142.06E**±.093	**44**±28		**39**	**0-4**
JMA	IV 12 05 49 05.1±.1	40.36N±.01	142.02E±.02	55±3	3.5	¶97iv2013	
ISC	**IV 12 12 11 03**±5.2	**35.5N**±.24	**140.2E**±.29	**75**±55		**13**	**1-2**
JMA	IV 12 12 11 03.4±.3	35.52N±.01	140.18E±.02	72±3		¶97iv2062	
JMA	**IV 12 13 20 22.4**±.2	**36.30N**±.02	**140.51E**±.02	**60**±2	**1.8**	¶97iv2072	
ISC	**IV 12 13 36 23.5**±.41	**40.69N**±.029	**142.73E**±.072	**25**		**57**	**1-60**
JMA	IV 12 13 36 23.4±.1	40.68N±.01	142.60E±.02	25	3.7	¶97iv2075	
ISC	**IV 12 13 39 02**±6.4	**36.5N**±.31	**141.7E**±.51	**38**		**14**	**1-3**
JMA	IV 12 13 39 02.9±.4	36.58N±.01	141.50E±.03	38	2.9	¶97iv2076	
ISC	**IV 12 22 40 18**±2.0	**35.60N**±.089	**140.2E**±.13	**72**±25		**16**	**0-2**
JMA	IV 12 22 40 17.9±.3	35.60N±.01	140.12E±.02	71±3		¶97iv2146	
ISC	**IV 13 03 26 02**±3.7	**37.4N**±.13	**141.1E**±.28	**93**±38		**10**	**0-2**
JMA	IV 13 03 26 02.3±.3	37.39N±.01	141.18E±.04	87±4		¶97iv2180	
ISC	**IV 13 15 21 44.3**±.58	**35.38N**±.037	**140.15E**±.051	**60**±10		**49**	**0-4**
JMA	IV 13 15 21 43.8±.1	35.38N±.01	140.11E±.01	66±2	3.2	¶97iv2257	
ISC	**IV 13 16 27 21**±1.8	**38.28N**±.048	**141.5E**±.12	**12**±12		**22**	**0-3**
JMA	IV 13 16 27 20.7±.1	38.28N±.00	141.54E±.01	16±1	3.3	¶97iv2265	
ISC	**IV 13 18 32 18**±6.2	**35.5N**±.19	**140.1E**±.65	**68**		**7**	**1-1**
JMA	IV 13 18 32 18.4±.3	35.59N±.01	140.03E±.02	68±3		¶97iv2281	
ISC	**IV 13 22 03 49**±3.2	**36.5N**±.25	**140.7E**±.34	**59**±23		**10**	**0-3**
JMA	IV 13 22 03 49.3±.3	36.50N±.02	140.62E±.04	61±3	2.5	¶97iv2306	
ISC	**IV 14 00 06 30**±2.1	**39.9N**±.23	**142.0E**±.38	**90**		**7**	**0-1**
JMA	IV 14 00 06 30.2±.1	39.91N±.00	142.02E±.01	90±1		¶97iv2341	
ISC	**IV 14 00 08 54.2**±.39	**38.55N**±.030	**141.89E**±.065	**66**±5.2	**3.7b**	**82**	**0-146**
NEIC	IV 14 00 08 54.0	38.59N	141.77E	60		¶97iv2342	
JMA	IV 14 00 08 55.5±.1	38.54N±.00	141.67E±.01	67±1			
EIDC	IV 14 00 08 55.5	38.5N	141.8E	57	3.5b		
NEIC	Less reliable solution.						
ISC	**IV 14 00 12 10**±3.1	**38.5N**±.13	**141.7E**±.27	**68**±27		**13**	**0-2**
JMA	IV 14 00 12 11.1±.1	38.54N±.01	141.68E±.02	63±2		¶97iv2344	
ISC	**IV 14 03 49 29**±5.2	**39.5N**±.13	**142.4E**±.72	**83**		**10**	**0-2**
JMA	IV 14 03 49 29.9±.3	39.48N±.01	142.31E±.03	83±3		¶97iv2382	
ISC	**IV 14 05 32 56**±1.1	**36.37N**±.082	**140.3E**±.13	**72**±19		**18**	**0-3**
JMA	IV 14 05 32 55.8±.1	36.35N±.01	140.25E±.02	68±2		¶97iv2395	
ISC	**IV 14 20 01 39**±3.0	**37.1N**±.15	**141.6E**±.31	**44**		**12**	**1-3**
JMA	IV 14 20 01 38.4±.4	37.11N±.02	141.61E±.04	44	2.9	¶97iv2506	
ISC	**IV 15 05 59 26.7**±.55	**37.16N**±.035	**141.48E**±.069	**50**±6.4	**3.6b**	**76**	**1-147**
NEIC	IV 15 05 59 26.2	37.15N	141.46E	46		¶97iv2570	
JMA	IV 15 05 59 26.5±.2	37.14N±.01	141.43E±.03	47±4	3.8		
EIDC	IV 15 05 59 28.2	37.2N	141.3E	45	3.4b,2.8L		
ISC	**IV 15 06 16 20.1**±.99	**36.5N**±.21	**140.1E**±.29	**118**		**7**	**0-1**
JMA	IV 15 06 16 20.3±.5	36.55N±.03	140.01E±.04	118±5		¶97iv2571	
ISC	**IV 15 16 37 54**±3.0	**38.96N**±.086	**142.8E**±.26	**0**		**14**	**1-2**
JMA	IV 15 16 37 52.5±.3	38.93N±.01	142.99E±.03	0	2.8	¶97iv2627	
ISC	**IV 15 21 51 21**±3.2	**37.8N**±.10	**141.2E**±.34	**80**±41		**10**	**0-2**
JMA	IV 15 21 51 20.8±.2	37.79N±.01	141.24E±.03	75±3		¶97iv2654	
ISC	**IV 16 04 14 33.3**±.79	**35.58N**±.045	**140.24E**±.060	**72**±14		**37**	**0-4**
JMA	IV 16 04 14 33.4±.2	35.63N±.01	140.20E±.01	67±3		¶97iv2687	
ISC	**IV 16 13 02 32.3**±.71	**36.30N**±.048	**140.14E**±.066	**69**±14		**38**	**0-4**
JMA	IV 16 13 02 32.2±.1	36.28N±.01	140.12E±.01	70±2		¶97iv2762	
ISC	**IV 16 14 01 46**±4.6	**36.7N**±.21	**141.2E**±.42	**29**±15		**12**	**0-2**
JMA	IV 16 14 01 44.7±.3	36.69N±.01	141.24E±.03	38±4	2.8	¶97iv2770	
ISC	**IV 16 14 27 54**±3.7	**40.4N**±.17	**141.4E**±.22	**95**±33		**12**	**0-3**
JMA	IV 16 14 27 54.8±.2	40.33N±.01	141.35E±.01	85±2		¶97iv2772	
ISC	**IV 16 15 03 16**±3.1	**40.0N**±.11	**142.0E**±.29	**54**±24		**12**	**0-2**
JMA	IV 16 15 03 16.6±.2	39.97N±.01	141.95E±.02	52±2	2.8	¶97iv2777	
ISC	**IV 16 23 09 49**±2.3	**38.81N**±.088	**141.3E**±.20	**76**±27		**11**	**0-1**
JMA	IV 16 23 09 49.1±.1	38.80N±.01	141.29E±.02	78±2		¶97iv2819	
ISC	**IV 17 01 08 51.6**±.50	**40.72N**±.038	**142.68E**±.080	**25**		**32**	**1-4**
JMA	IV 17 01 08 51.9±.1	40.73N±.01	142.55E±.02	25	3.2	¶97iv2827	
ISC	**IV 17 06 07 55**±4.4	**39.7N**±.15	**142.0E**±.31	**91**±34		**12**	**0-2**
JMA	IV 17 06 07 55.6±.2	39.65N±.01	141.98E±.02	84±2		¶97iv2861	
ISC	**IV 17 12 38 55.2**±.78	**36.62N**±.047	**140.89E**±.097	**91**±11		**37**	**0-4**
JMA	IV 17 12 38 56.1±.1	36.60N±.01	140.80E±.02	80±2		¶97iv2898	
ISC	**IV 17 12 47 49**±3.7	**40.1N**±.13	**142.3E**±.37	**43**±33		**14**	**0-2**
JMA	IV 17 12 47 49.7±.2	40.04N±.01	142.19E±.02	45±2	3.0	¶97iv2903	
JMA	**IV 17 15 29 06.2**±.1	**35.66N**±.01	**140.11E**±.01	**63**±1		¶97iv2927	
ISC	**IV 17 18 00 00**±1.2	**36.24N**±.091	**140.9E**±.16	**32**±14		**9**	**0-3**
JMA	IV 17 17 59 59.8±.2	36.26N±.01	140.91E±.02	43±3	2.9	¶97iv2949	
ISC	**IV 17 20 11 40.6**±.42	**35.19N**±.033	**140.18E**±.046	**33**±4.8		**50**	**0-5**
JMA	IV 17 20 11 39.9±.1	35.23N±.01	140.19E±.01	37±2	3.2	¶97iv2969	
NEIC	IV 17 20 11 42.3	35.36N	140.08E	33			
NEIC	Poor solution.						
JMA	**IV 17 22 25 06.8**±.4	**37.13N**±.02	**141.85E**±.04	**62**		¶97iv2980	
ISC	**IV 17 23 48 21**±1.8	**36.1N**±.10	**140.1E**±.15	**62**±27		**15**	**1-2**
JMA	IV 17 23 48 20.8±.1	36.10N±.01	140.09E±.01	66±2		¶97iv2993	
ISC	**IV 18 03 50 10**±2.7	**36.8N**±.16	**141.6E**±.22	**32**		**16**	**1-3**
JMA	IV 18 03 50 09.2±.4	36.80N±.01	141.57E±.03	32±4	2.8	¶97iv3016	
ISC	**IV 18 05 55 46**±1.0	**37.84N**±.069	**141.7E**±.16	**102**±16		**29**	**1-6**
JMA	IV 18 05 55 47.8±.1	37.88N±.01	141.60E±.02	85±2		¶97iv3027	
ISC	**IV 18 09 31 32**±1.5	**36.72N**±.070	**141.1E**±.14	**28**±10		**21**	**0-3**
JMA	IV 18 09 31 32.1±.2	36.73N±.01	141.13E±.03	39±3	3.0	¶97iv3052	
ISC	**IV 18 12 42 30.7**±.70	**35.69N**±.038	**140.87E**±.071	**27**±7.2		**48**	**0-9**
JMA	IV 18 12 42 29.9±.3	35.71N±.02	140.93E±.03	29±3	3.3	¶97iv3075	
ISC	**IV 18 13 48 04**±4.2	**38.10N**±.049	**142.84E**±.088	**5**±29	**4.1b**	**54**	**1-62**
NEIC	IV 18 13 48 04.9	38.21N	142.75E	10	4.5b	¶97iv3087	
JMA	IV 18 13 48 05.9±.3	38.09N±.01	142.65E±.02	14±4	3.4		
EIDC	IV 18 13 48 26.9	41.4N	143.4E	0	3.6b,3.5L		
NEIC	Less reliable solution.						
JMA	**IV 18 15 16 07.8**±.3	**36.11N**±.01	**140.00E**±.02	**67**±3		¶97iv3096	
ISC	**IV 18 21 35 24**±3.0	**40.5N**±.22	**141.8E**±.49	**65**		**7**	**1-2**
JMA	IV 18 21 35 24.6±.2	40.46N±.01	141.73E±.02	65±3		¶97iv3122	
ISC	**IV 18 23 23 46.4**±.64	**40.50N**±.061	**142.4E**±.15	**47**±18		**19**	**1-60**
JMA	IV 18 23 23 46.2±.1	40.50N±.00	142.35E±.01	47±3	2.9	¶97iv3133	
ISC	**IV 19 03 51 35**±2.0	**37.7N**±.22	**141.1E**±.50	**87**		**9**	**0-2**
JMA	IV 19 03 51 34.9±.2	37.72N±.01	141.14E±.02	87±2		¶97iv3149	

ISC	**IV**	**19 05 05 07**±2.8	**38.5N**±.13	**141.7E**±.39	**67**±33			**8**	**0-2**
JMA	IV	19 05 05 07.1±.1	38.54N±.01	141.66E±.02	65±2				**¶97iv3158**
ISC	**IV**	**19 05 14 28**±2.6	**35.9N**±.12	**141.0E**±.25	**85**±35			**14**	**0-4**
JMA	IV	19 05 14 29.1±.2	35.96N±.01	140.98E±.02	78±3				**¶97iv3159**
ISC	**IV**	**19 07 26 43**±1.2	**36.41N**±.078	**141.1E**±.14	**49**			**15**	**0-3**
JMA	IV	19 07 26 43.3±.2	36.43N±.01	141.05E±.02	49±3	2.8			**¶97iv3170**
ISC	**IV**	**19 07 30 51.2**±.88	**35.19N**±.054	**140.22E**±.065	**31**±7.6			**30**	**0-5**
JMA	IV	19 07 30 51.1±.2	35.21N±.02	140.21E±.02	35±3	3.3			**¶97iv3171**
ISC	**IV**	**19 07 41 07**±1.0	**38.09N**±.024	**142.73E**±.048	**25**±7.5	**4.5b,4.3s**		**182**	**1-151**
JMA	IV	19 07 41 04.2±.2	38.05N±.00	142.74E±.02	13±3	4.3			**¶97iv3172**
BJI	IV	19 07 41 06.9	37.88N	142.85E	46	4.5b,4.3s			
NEIC	IV	19 07 41 07.7	38.10N	142.62E	33	4.7b			
MOS	IV	19 07 41 08.5	38.2N	142.5E	33	4.8b			
EIDC	IV	19 07 41 09.1	38.0N	142.7E	33	4.1b,3.2L			
JMA	**IV**	**19 21 54 10.8**±.3	**36.09N**±.01	**140.07E**±.02	**64**±3				**¶97iv3242**
ISC	**IV**	**19 22 25 26**±4.1	**36.3N**±.19	**141.2E**±.22	**19**±21			**17**	**1-3**
JMA	IV	19 22 25 27.6±.4	36.36N±.02	141.08E±.04	43±4	2.8			**¶97iv3245**
ISC	**IV**	**19 22 36 09**±1.3	**36.98N**±.077	**141.1E**±.15	**96**±16			**21**	**0-3**
JMA	IV	19 22 36 10.0±.2	36.99N±.01	141.02E±.02	89±3				**¶97iv3248**
ISC	**IV**	**20 05 04 11.6**±.36	**35.37N**±.027	**140.49E**±.043	**67**±5.4	**4.0b**		**94**	**0-82**
NEIC	IV	20 05 04 09.8	35.19N	140.57E	33	4.2b			**¶97iv3270**
JMA	IV	20 05 04 12.0±.2	35.35N±.01	140.36E±.01	66±2	3.7			
ISC	**IV**	**20 05 06 08**±5.8	**35.2N**±.78	**140.5E**±.56	**64**			**6**	**0-1**
JMA	IV	20 05 06 09.1±.4	35.40N±.04	140.32E±.03	64±4				**¶97iv3271**
ISC	Poorly determined								
ISC	**IV**	**20 05 16 55**±7.5	**35.3N**±.22	**140.4E**±.47	**66**±64			**12**	**0-2**
JMA	IV	20 05 16 54.9±.2	35.31N±.01	140.31E±.01	67±2				**¶97iv3276**
ISC	**IV**	**20 13 51 11.1**±.43	**40.29N**±.029	**142.69E**±.068	**22**			**55**	**1-6**
JMA	IV	20 13 51 11.0±.2	40.29N±.01	142.59E±.02	22±4	3.7			**¶97iv3321**
ISC	**IV**	**20 13 55 27**±1.7	**37.57N**±.090	**141.5E**±.22	**88**±20			**20**	**1-3**
JMA	IV	20 13 55 27.7±.1	37.59N±.01	141.52E±.02	77±3				**¶97iv3322**
ISC	**IV**	**20 14 30 33**±5.0	**39.2N**±.12	**142.4E**±.45	**80**±41			**10**	**1-2**
JMA	IV	20 14 30 33.3±.2	39.23N±.01	142.35E±.03	76±3				**¶97iv3327**
ISC	**IV**	**20 20 48 52**±3.0	**36.7N**±.18	**141.4E**±.25	**36**			**15**	**1-3**
JMA	IV	20 20 48 50.8±.4	36.74N±.02	141.43E±.03	36±5	2.9			**¶97iv3359**
JMA	**IV**	**20 21 00 13.9**±.2	**36.38N**±.01	**140.45E**±.01	**62**±2				**¶97iv3361**
JMA	**IV**	**21 01 00 50.3**±.3	**36.16N**±.01	**140.08E**±.02	**65**±3				**¶97iv3380**
ISC	**IV**	**21 02 19 51.9**±.94	**36.00N**±.058	**140.12E**±.073	**61**±20			**28**	**1-4**
JMA	IV	21 02 19 51.4±.2	35.99N±.01	140.10E±.02	65±2				**¶97iv3389**
ISC	**IV**	**21 11 38 04**±2.5	**36.0N**±.11	**141.2E**±.27	**44**			**8**	**0-2**
JMA	IV	21 11 38 04.5±.3	36.05N±.02	141.16E±.03	44±3	2.9			**¶97iv3452**
ISC	**IV**	**21 12 01 01**±1.1	**36.05N**±.066	**141.1E**±.13	**35**			**18**	**0-4**
JMA	IV	21 12 01 00.5±.2	36.05N±.01	141.16E±.02	35±3	2.9			**¶97iv3458**
ISC	**IV**	**21 12 33 51.5**±.61	**36.35N**±.033	**141.69E**±.068	**39**±16	4.0b		**87**	**1-75**
NEIC	IV	21 12 33 51.3	36.32N	141.62E	33	4.1b			**¶97iv3470**
JMA	IV	21 12 33 52.1±.3	36.37N±.01	141.50E±.02	35±4	4.0			
NEIC	Less reliable solution.								
ISC	**IV**	**21 13 44 25.0**±.96	**39.44N**±.064	**142.0E**±.14	**65**±16			**20**	**0-5**
JMA	IV	21 13 44 26.4±.1	39.45N±.00	141.89E±.01	58±1	2.9			**¶97iv3492**
ISC	**IV**	**21 13 51 54**±1.1	**40.29N**±.049	**142.35E**±.096	**21**±12			**27**	**1-4**
JMA	IV	21 13 51 54.3±.2	40.29N±.01	142.32E±.02	31±3	3.1			**¶97iv3495**
ISC	**IV**	**21 14 32 26**±1.3	**34.66N**±.068	**140.2E**±.10	**66**±17			**25**	**0-3**
JMA	IV	21 14 32 26.3±.2	34.64N±.01	140.18E±.01	64±3				**¶97iv3504**
ISC	**IV**	**22 05 33 35**±2.3	**37.2N**±.12	**142.0E**±.22	**38**			**22**	**1-3**
JMA	IV	22 05 33 34.9±.3	37.20N±.01	141.94E±.03	38	3.2			**¶97iv3647**
ISC	**IV**	**22 05 46 15**±1.8	**37.0N**±.10	**141.8E**±.19	**36**			**22**	**1-3**
JMA	IV	22 05 46 13.8±.5	37.00N±.02	141.78E±.04	36	3.1			**¶97iv3650**
ISC	**IV**	**22 12 32 15**±1.3	**38.9N**±.11	**141.6E**±.26	**97**			**11**	**0-1**
JMA	IV	22 12 32 14.5±.3	38.84N±.01	141.62E±.03	97±3				**¶97iv3729**
ISC	**IV**	**22 23 26 12**±2.5	**40.9N**±.16	**141.7E**±.41	**62**			**7**	**0-1**
JMA	IV	22 23 26 11.5±.1	40.91N±.00	141.69E±.02	62±2				**¶97iv3847**
ISC	**IV**	**23 00 43 47**±1.9	**38.52N**±.056	**141.6E**±.18	**6**±13			**16**	**0-2**
JMA	IV	23 00 43 47.4±.1	38.53N±.01	141.59E±.02	9±2	2.9			**¶97iv3860**
ISC	**IV**	**23 01 49 17**±1.6	**36.16N**±.090	**141.0E**±.24	**42**			**8**	**0-2**
JMA	IV	23 01 49 17.3±.2	36.17N±.01	141.00E±.03	42±4	2.8			**¶97iv3872**
ISC	**IV**	**23 06 36 01**±2.3	**36.51N**±.089	**141.2E**±.21	**29**±16			**10**	**1-3**
JMA	IV	23 06 36 01.9±.2	36.49N±.01	141.08E±.03	39±4	2.9			**¶97iv3906**
JMA	**IV**	**23 12 21 12.0**±.3	**36.59N**±.02	**140.83E**±.03	**86**±4				**¶97iv3956**
ISC	**IV**	**23 13 27 53**±1.4	**36.4N**±.17	**140.1E**±.16	**77**			**6**	**0-1**
JMA	IV	23 13 27 53.0±.4	36.34N±.02	140.11E±.03	77±4				**¶97iv3965**
ISC	**IV**	**23 14 03 19**±3.6	**40.44N**±.072	**142.3E**±.26	**9**±17			**14**	**1-2**
JMA	IV	23 14 03 19.2±.2	40.44N±.00	142.37E±.02	22±3	2.9			**¶97iv3971**
ISC	**IV**	**23 19 53 30**±1.9	**40.46N**±.062	**141.5E**±.16	**118**±25			**23**	**0-3**
JMA	IV	23 19 53 30.8±.1	40.46N±.00	141.44E±.02	110±2				**¶97iv4022**
JMA	**IV**	**24 00 18 31.8**±.1	**35.82N**±.01	**140.09E**±.02	**103**±1				**¶97iv4048**
ISC	**IV**	**24 12 01 23**±1.6	**37.59N**±.081	**141.5E**±.18	**87**±18			**22**	**1-3**
JMA	IV	24 12 01 22.7±.1	37.59N±.01	141.53E±.02	81±3				**¶97iv4140**
ISC	**IV**	**24 13 26 42**±1.2	**37.85N**±.073	**141.1E**±.17	**67**±19			**16**	**0-2**
JMA	IV	24 13 26 41.7±.1	37.83N±.01	141.14E±.03	72±2				**¶97iv4153**
ISC	**IV**	**24 15 58 48.2**±.87	**38.26N**±.047	**142.0E**±.12	**33**±43			**41**	**1-6**
JMA	IV	24 15 58 48.6±.2	38.26N±.01	141.83E±.02	49±3	3.7			**¶97iv4173**
ISC	**IV**	**24 21 49 49**±1.9	**38.73N**±.071	**142.0E**±.21	**56**±28			**14**	**0-2**
JMA	IV	24 21 49 49.2±.1	38.73N±.00	141.96E±.01	56±2	3.1			**¶97iv4214**
ISC	**IV**	**24 22 56 36**±5.5	**40.3N**±.16	**142.4E**±.45	**17**±18			**11**	**1-2**
JMA	IV	24 22 56 37.5±.3	40.27N±.01	142.32E±.03	30±3	2.8			**¶97iv4226**
ISC	**IV**	**24 23 52 16**±2.5	**35.0N**±.19	**140.1E**±.16	**73**±28			**14**	**0-2**
JMA	IV	24 23 52 15.4±.2	34.99N±.01	140.01E±.01	71±2				**¶97iv4237**
ISC	**IV**	**25 03 47 11**±2.4	**36.7N**±.17	**141.0E**±.30	**54**±23			**11**	**0-2**
JMA	IV	25 03 47 10.4±.2	36.75N±.01	141.02E±.02	59±2	2.9			**¶97iv4274**
ISC	**IV**	**25 09 38 29**±2.2	**36.0N**±.12	**140.4E**±.17	**84**±27			**19**	**1-3**
JMA	IV	25 09 38 28.8±.2	36.00N±.01	140.36E±.02	92±2				**¶97iv4317**
ISC	**IV**	**25 10 27 28.9**±.38	**39.61N**±.025	**142.28E**±.063	**56**±5.5	**3.9b**		**96**	**0-75**
JMA	IV	25 10 27 29.6±.2	39.62N±.01	142.10E±.02	54±2	3.9			**¶97iv4322**
NEIC	IV	25 10 27 33.2	39.66N	141.80E	96	3.5b			
EIDC	IV	25 10 27 35.1	39.7N	141.8E	95	3.5b			
NEIC	Less reliable solution.								
ISC	**IV**	**25 13 27 18**±1.1	**38.71N**±.053	**141.2E**±.12	**82**±15			**21**	**0-3**
JMA	IV	25 13 27 18.2±.0	38.71N±.00	141.19E±.01	81±1				**¶97iv4349**
JMA	**IV**	**25 15 35 41.6**±.4	**40.42N**±.02	**142.34E**±.04	**78**±4				**¶97iv4373**
ISC	**IV**	**26 02 01 19**±2.1	**35.6N**±.10	**140.2E**±.14	**68**±35			**16**	**0-2**
JMA	IV	26 02 01 18.7±.2	35.60N±.01	140.18E±.02	67±3				**¶97iv4453**
JMA	**IV**	**26 04 33 34.4**±.4	**36.16N**±.02	**140.08E**±.02	**67**±3				**¶97iv4464**
ISC	**IV**	**26 05 58 48**±8.3	**35.7N**±.14	**140.3E**±.64	**78**±63			**8**	**1-2**
JMA	IV	26 05 58 49.1±.4	35.65N±.02	140.22E±.03	64±4				**¶97iv4475**
ISC	**IV**	**26 07 14 54.3**±.87	**36.37N**±.041	**141.55E**±.099	**37**			**33**	**1-4**
JMA	IV	26 07 14 53.5±.3	36.38N±.01	141.54E±.03	37±5	3.4			**¶97iv4485**
ISC	**IV**	**26 10 59 39.1**±.64	**36.36N**±.032	**141.55E**±.077	**37**			**53**	**1-4**
JMA	IV	26 10 59 38.2±.3	36.38N±.01	141.53E±.03	37	3.4			**¶97iv4533**
ISC	**IV**	**26 13 01 50**±3.0	**35.6N**±.11	**140.0E**±.36	**66**			**8**	**0-1**
JMA	IV	26 13 01 48.9±.5	35.56N±.02	140.15E±.04	66±4				**¶97iv4554**
ISC	**IV**	**26 13 33 53**±2.0	**38.25N**±.090	**141.2E**±.28	**69**±27			**9**	**0-1**
JMA	IV	26 13 33 52.7±.1	38.24N±.01	141.26E±.02	67±2				**¶97iv4559**
ISC	**IV**	**26 14 29 11**±1.2	**35.5N**±.18	**140.1E**±.20	**86**±18			**16**	**0-66**
JMA	IV	26 14 29 12.2±.3	35.55N±.01	140.07E±.02	62±4				**¶97iv4563**
ISC	**IV**	**26 16 32 14**±1.6	**35.5N**±.13	**140.4E**±.26	**68**			**4**	**1-1**
JMA	IV	26 16 32 13.9±.1	35.51N±.00	140.44E±.01	68±1				**¶97iv4579**
ISC	Poorly determined								
ISC	**IV**	**26 23 36 33**±4.3	**36.70N**±.040	**141.64E**±.099	**7**±33			**35**	**1-4**
JMA	IV	26 23 36 34.2±.3	36.70N±.01	141.58E±.03	26	3.4			**¶97iv4624**
JMA	**IV**	**27 02 52 18.7**±.3	**36.14N**±.01	**140.06E**±.02	**64**±3				**¶97iv4647**
ISC	**IV**	**27 03 28 28**±1.4	**36.58N**±.072	**141.5E**±.14	**32**			**26**	**1-3**
JMA	IV	27 03 28 28.0±.4	36.60N±.01	141.46E±.04	32	3.1			**¶97iv4651**
ISC	**IV**	**27 11 52 07**±1.8	**38.61N**±.080	**141.2E**±.26	**80**±23			**12**	**0-2**
JMA	IV	27 11 52 07.2±.0	38.61N±.00	141.18E±.01	80±1				**¶97iv4717**
ISC	**IV**	**27 13 10 50.8**±.39	**40.67N**±.027	**142.74E**±.066	**21**			**57**	**1-6**
JMA	IV	27 13 10 50.9±.1	40.68N±.01	142.61E±.02	21	3.5			**¶97iv4728**
JMA	**IV**	**27 13 56 33.3**±.3	**35.71N**±.02	**140.03E**±.02	**99**±2				**¶97iv4736**
ISC	**IV**	**27 14 25 36.4**±.74	**38.70N**±.038	**141.11E**±.070	**6**±7.9			**21**	**0-2**
JMA	IV	27 14 25 36.8±.0	38.70N±.00	141.11E±.00	14±1	2.9			**¶97iv4745**
ISC	**IV**	**27 15 24 29**±5.0	**38.8N**±.15	**141.5E**±.46	**118**±48			**13**	**0-2**
JMA	IV	27 15 24 30.4±.3	38.82N±.01	141.47E±.03	107±3				**¶97iv4754**
ISC	**IV**	**27 20 43 45**±4.5	**38.95N**±.085	**142.5E**±.39	**22**±20			**12**	**1-2**
JMA	IV	27 20 43 45.7±.3	38.93N±.01	142.49E±.02	29±4	2.8			**¶97iv4791**
ISC	**IV**	**28 04 23 44**±3.2	**40.2N**±.13	**142.1E**±.34	**43**			**14**	**0-3**
JMA	IV	28 04 23 43.9±.3	40.16N±.01	142.12E±.03	43±3	2.8			**¶97iv4849**
ISC	**IV**	**28 09 39 38**±2.7	**34.9N**±.15	**140.0E**±.13	**64**±27			**15**	**0-2**
JMA	IV	28 09 39 38.1±.2	34.88N±.01	139.98E±.01	62±2				**¶97iv4884**
ISC	**IV**	**28 09 46 01**±2.3	**37.4N**±.13	**141.3E**±.32	**55**±41			**10**	**0-2**
JMA	IV	28 09 46 01.2±.1	37.41N±.01	141.23E±.03	60±3	2.2			**¶97iv4886**
JMA	**IV**	**28 10 43 53.2**±.2	**35.69N**±.01	**140.14E**±.01	**62**±2				**¶97iv4898**
ISC	**IV**	**28 11 07 17.1**±.34	**37.33N**±.022	**141.47E**±.046	**58**±3.7	**4.6b**,4.8s		**161**	**0-147**
BJI	IV	28 11 07 16.3	37.03N	141.23E	56	4.7b,5.0s			**¶97iv4904**
NEIC	IV	28 11 07 16.8	37.24N	141.31E	55	4.6b			
JMA	IV	28 11 07 17.1±.1	37.31N±.01	141.39E±.01	54±2	4.4			
EIDC	IV	28 11 07 18.2	37.2N	141.5E	53	4.1b			
MOS	IV	28 11 07 19.0	37.2N	141.1E	75	4.6b			
ISC	**IV**	**28 12 24 56**±1.6	**35.90N**±.068	**140.2E**±.10	**47**±57			**18**	**1-2**
JMA	IV	28 12 24 55.7±.2	35.89N±.01	140.16E±.01	58±3	2.8			**¶97iv4918**
ISC	**IV**	**29 08 13 36**±8.2	**36.5N**±.57	**140.8E**±.70	**42**±32			**7**	**0-1**
JMA	IV	29 08 13 34.3±.4	36.38N±.02	140.86E±.04	47±3	2.8			**¶97iv5043**
ISC	**IV**	**29 10 56 36**±1.1	**34.84N**±.067	**140.12E**±.075	**62**±14			**24**	**0-2**
JMA	IV	29 10 56 35.3±.2	34.81N±.01	140.08E±.01	64±2				**¶97iv5067**
ISC	**IV**	**29 12 41 38.5**±.51	**39.59N**±.032	**142.25E**±.067	**18**			**43**	**0-5**
JMA	IV	29 12 41 37.8±.3	39.56N±.01	142.23E±.03	18±3	3.7			**¶97iv5076**
ISC	**IV**	**29 15 00 28**±1.6	**36.9N**±.11	**141.0E**±.17	**92**±14			**22**	**0-3**
JMA	IV	29 15 00 29.0±.3	36.91N±.01	140.95E±.02	85±3				**¶97iv5096**
ISC	**IV**	**29 17 10 15**±1.4	**36.19N**±.078	**141.0E**±.17	**32**±13			**13**	**0-2**
JMA	IV	29 17 10 14.6±.2	36.19N±.01	140.92E±.02	44±3	2.8			**¶97iv5103**
ISC	**IV**	**30 01 20 44**±3.2	**39.55N**±.066	**142.2E**±.26	**6**±12			**11**	**0-2**
JMA	IV	30 01 20 44.4±.2	39.54N±.00	142.19E±.02	11±2	3.0			**¶97iv5142**
ISC	**IV**	**30 04 56 50**±2.4	**35.36N**±.090	**140.4E**±.17	**63**±27			**15**	**0-2**
JMA	IV	30 04 56 49.9±.2	35.35N±.01	140.34E±.02	62±3				**¶97iv5166**
JMA	**IV**	**30 05 02 49.3**±.2	**35.27N**±.01	**140.96E**±.03	**62**				**¶97iv5167**
ISC	**IV**	**30 10 17 49**±4.1	**37.0N**±.21	**141.9E**±.39	**69**			**11**	**1-3**
JMA	IV	30 10 17 50.8±.4	37.05N±.02	141.72E±.04	69				**¶97iv5201**
JMA	**IV**	**30 17 28 28.4**±.3	**36.22N**±.02	**140.31E**±.02	**99**±3				**¶97iv5236**
ISC	**IV**	**30 18 37 45**±1.4	**36.32N**±.082	**141.5E**±.13	**39**			**27**	**1-4**
JMA	IV	30 18 37 44.9±.4	36.34N±.01	141.41E±.04	39	3.0			**¶97iv5245**
JMA	**IV**	**30 19 31 47.4**±.2	**35.89N**±.01	**140.14E**±.01	**60**±1	**2.1**			**¶97iv5256**
ISC	**IV**	**30 21 48 59**±1.4	**36.11N**±.080	**141.0E**±.15	**42**			**11**	**0-2**
JMA	IV	30 21 48 59.0±.3	36.14N±.01	140.93E±.03	42±3	3.0			**¶97iv5272**
JMA	**V**	**01 07 33 29.7**±.3	**36.45N**±.02	**140.55E**±.02	**64**±2				**¶97v0058**
ISC	**V**	**01 11 16 31.8**±.61	**40.45N**±.037	**141.87E**±.092	**60**±19			**27**	**1-4**
JMA	V	01 11 16 31.8±.1	40.45N±.01	141.85E±.02	58±4	3.1			**¶97v0090**
ISC	**V**	**01 16 09 47**±1.2	**38.8N**±.15	**141.2E**±.28	**114**			**9**	**0-1**
JMA	V	01 16 09 47.1±.2	38.79N±.01	141.22E±.02	114±2				**¶97v0121**
ISC	**V**	**01 19 06 35**±2.2	**36.1N**±.24	**140.1E**±.23	**66**			**4**	**1-1**
JMA	V	01 19 06 35.3±.2	36.13N±.01	140.04E±.01	66±2				**¶97v0139**
ISC	Poorly determined								
ISC	**V**	**01 21 41 58**±3.2	**35.6N**±.11	**140.2E**±.15	**79**±46			**10**	**1-2**
JMA	V	01 21 41 58.5±.3	35.58N±.02	140.15E±.03	65±4				**¶97v0163**
ISC	**V**	**01 23 33 42**±2.3	**36.0N**±.20	**140.1E**±.22	**62**			**8**	**1-2**
JMA	V	01 23 33 42.2±.2	35.95N±.01	140.12E±.01	62±2				**¶97v0177**
ISC	**V**	**02 01 04 52**±4.4	**35.0N**±.28	**140.1E**±.25	**71**±45			**10**	**0-2**
JMA	V	02 01 04 52.6±.3	34.98N±.01	140.02E±.01	64±3				**¶97v0186**
JMA	**V**	**02 01 11 45.0**±.6	**34.92N**±.05	**140.03E**±.03	**72**±5				**¶97v0187**
ISC	**V**	**02 07 27 44**±3.4	**36.2N**±.12	**140.0E**±.19	**62**±44			**7**	**1-1**
JMA	V	02 07 27 44.5±.1	36.14N±.01	140.01E±.01	61±2	2.3			**¶97v0225**
ISC	**V**	**02 10 34 40.8**±.36	**36.20N**±.025	**140.14E**±.042	**87**±6.2	**3.5b**		**92**	**0-65**
NEIC	V	02 10 34 37.7	36.47N	140.41E	92				**¶97v0250**
EIDC	V	02 10 34 38.5	36.4N	140.5E	74	3.1b			
JMA	V	02 10 34 41.5±.1	36.21N±.01	140.08E±.01	72±2	3.2			
NEIC	Single network solution.								
ISC	**V**	**02 22 56 56**±3.7	**39.69N**±.091	**142.6E**±.37	**31**			**13**	**1-2**
JMA	V	02 22 56 55.2±.3	39.67N±.01	142.64E±.02	31±3	3.1			**¶97v0341**
ISC	**V**	**03 03 03 50**±2.5	**37.0N**±.15	**141.7E**±.21	**42**			**16**	**1-3**
JMA	V	03 03 03 49.6±.3	36.98N±.01	141.67E±.03	42	3.0			**¶97v0364**
ISC	**V**	**03 03 57 23.2**±.36	**40.36N**±.029	**142.09E**±.070	**71**±5.8	**3.7b**		**57**	**0-66**
JMA	V	03 03 57 23.7±.1	40.37N±.01	142.00E±.02	57±3	3.7			**¶97v0371**
NEIC	V	03 03 57 25.7	40.23N	141.99E	100				
EIDC	V	03 03 57 26.3	40.3N	142.0E	84	3.3b			
NEIC	Single network solution.								
ISC	**V**	**03 10 47 57**±1.3	**38.37N**±.065	**141.4E**±.17	**68**±19			**17**	**0-2**
JMA	V	03 10 47 56.5±.1	38.37N±.00	141.40E±.01	68±2				**¶97v0422**
ISC	**V**	**03 11 49 12**±4.6	**36.4N**±.29	**140.6E**±.39	**102**±36			**8**	**0-2**
JMA	V	03 11 49 12.9±.1	36.45N±.01	140.46E±.02	92±1				**¶97v0428**
ISC	**V**	**03 16 41 48.5**±.44	**39.94N**±.030	**142.57E**±.070	**52**±6.3	**3.6b**		**66**	**1-81**
JMA	V	03 16 41 48.4±.2	39.96N±.01	142.47E±.02	40±3	3.8			**¶97v0462**
EIDC	V	03 16 41 52.2	40.0N	142.5E	71	3.3b			
NEIC	V	03 16 41 53.0	39.88N	142.39E	100				
NEIC	Single network solution.								
ISC	**V**	**03 21 12 41.1**±.37	**40.90N**±.026	**142.14E**±.067	**55**±25			**49**	**1-6**
JMA	V	03 21 12 41.2±.1	40.90N±.00	142.06E±.01	52±5	3.8			**¶97v0500**
ISC	**V**	**03 23 53 09**±1.6	**36.04N**±.042	**141.47E**±.095	**20**±15			**37**	**1-4**
JMA	V	03 23 53 09.3±.3	36.04N±.01	141.39E±.04	46±4	3.4			**¶97v0524**
ISC	**V**	**04 00 28 25**±1.0	**36.55N**±.070	**140.8E**±.12	**47**±21			**18**	**0-3**
JMA	V	04 00 28 24.0±.2	36.55N±.01	140.83E±.02	51±3	3.0			**¶97v0528**
ISC	**V**	**04 01 00 15**±4.5	**38.7N**±.13	**141.9E**±.30	**92**±43			**12**	**0-62**
JMA	V	04 01 00 15.8±.2	38.75N±.01	141.81E±.02	83±2				**¶97v0532**
ISC	**V**	**04 04 27 53**±3.0	**40.0N**±.27	**141.1E**±.50	**99**			**6**	**0-1**
JMA	V	04 04 27 52.6±.2	40.03N±.01	141.08E±.03	99±2				**¶97v0565**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**04 04 47 09**±5.9	**36.8N**±.31	**140.9E**±.52	**98**±44		**10**	**0-3**
JMA	V	04 04 47 10.1±.3	36.84N±.01	140.81E±.04	90±3			¶97v0567
ISC	**V**	**04 08 28 50.8**±.81	**36.16N**±.080	**140.04E**±.079	**52**		**15**	**1-3**
JMA	V	04 08 28 50.6±.1	36.17N±.01	140.03E±.01	52±2	2.9		¶97v0597
ISC	**V**	**04 09 49 57**±1.2	**34.53N**±.061	**140.04E**±.078	**60**±17		**25**	**0-3**
JMA	V	04 09 49 56.6±.2	34.54N±.01	139.98E±.01	60±3	3.1		¶97v0617
ISC	**V**	**04 16 54 45**±2.1	**36.44N**±.086	**141.1E**±.20	**29**±15		**10**	**0-2**
JMA	V	04 16 54 45.2±.2	36.45N±.01	141.07E±.02	43±3	2.8		¶97v0665
JMA	**V**	**04 18 09 42.4**±.2	**36.64N**±.01	**140.48E**±.01	**97**±2			¶97v0672
ISC	**V**	**04 22 23 02**±1.3	**37.33N**±.061	**141.9E**±.15	**39**		**26**	**1-3**
JMA	V	04 22 23 00.8±.2	37.34N±.01	141.88E±.02	39	3.2		¶97v0701
ISC	**V**	**05 00 28 53**±1.2	**36.49N**±.075	**140.7E**±.14	**110**±15		**32**	**0-4**
JMA	V	05 00 28 54.9±.2	36.52N±.01	140.62E±.02	96±2			¶97v0711
ISC	**V**	**05 01 58 00**±11	**39.9N**±.33	**142.3E**±.95	**42**±64		**7**	**0-1**
JMA	V	05 01 57 59.7±.1	39.86N±.01	142.28E±.01	45±2	2.8		¶97v0726
ISC	**V**	**05 02 29 40**±1.7	**36.43N**±.090	**141.3E**±.18	**55**		**14**	**1-3**
JMA	V	05 02 29 40.2±.2	36.43N±.01	141.23E±.03	55±4	3.1		¶97v0730
JMA	**V**	**05 04 35 01.4**±.3	**35.95N**±.02	**140.03E**±.02	**72**±3			¶97v0738
ISC	**V**	**05 05 26 46.9**±.42	**40.69N**±.032	**142.73E**±.075	**57**±11	**3.8b**	**54**	**1-61**
EIDC	V	05 05 26 36.8	41.0N	143.6E	0	3.9b,3.4L		¶97v0745
NEIC	V	05 05 26 40.4	40.85N	143.35E	33			
JMA	V	05 05 26 46.4±.3	40.69N±.01	142.59E±.02	25±5	3.8		
NEIC	Poor solution.							
ISC	**V**	**05 06 12 23.6**±.90	**40.25N**±.046	**142.2E**±.13	**34**±53		**21**	**0-3**
JMA	V	05 06 12 23.1±.2	40.25N±.01	142.25E±.02	50±4	3.3		¶97v0749
JMA	**V**	**05 17 57 31.0**±.3	**36.09N**±.01	**140.07E**±.02	**64**±3			¶97v0827
ISC	**V**	**05 20 16 53**±1.0	**38.9N**±.12	**141.3E**±.25	**104**		**11**	**0-1**
JMA	V	05 20 16 52.9±.2	38.88N±.01	141.36E±.02	104±2			¶97v0845
ISC	**V**	**05 22 28 01.0**±.91	**36.74N**±.058	**140.14E**±.077	**87**±13		**27**	**0-3**
JMA	V	05 22 28 01.3±.1	36.71N±.01	140.13E±.01	84±2			¶97v0857
JMA	**V**	**06 01 19 52.8**±.2	**36.14N**±.01	**140.04E**±.01	**64**±2			¶97v0875
ISC	**V**	**06 05 15 14**±3.6	**35.98N**±.079	**141.6E**±.29	**17**±25		**11**	**1-2**
JMA	V	06 05 15 15.0±.2	35.96N±.01	141.54E±.03	49±5	2.9		¶97v0909
ISC	**V**	**06 08 18 43.9**±.73	**36.95N**±.039	**141.44E**±.093	**76**±16		**42**	**1-6**
JMA	V	06 08 18 44.1±.2	36.92N±.01	141.41E±.02	72±3			¶97v0935
ISC	**V**	**06 12 11 02**±1.2	**38.03N**±.079	**141.4E**±.21	**62**		**11**	**0-2**
JMA	V	06 12 11 01.5±.1	38.04N±.00	141.34E±.02	62±2			¶97v0962
ISC	**V**	**06 19 19 54.8**±.64	**35.73N**±.042	**140.73E**±.070	**41**±17		**39**	**0-4**
JMA	V	06 19 19 54.7±.2	35.77N±.01	140.67E±.02	45±2	3.2		¶97v0998
JMA	**V**	**06 19 47 52.6**±.2	**36.26N**±.02	**140.34E**±.01	**97**±2			¶97v1006
ISC	**V**	**07 09 08 52**±2.1	**37.5N**±.10	**141.8E**±.23	**31**		**13**	**1-2**
JMA	V	07 09 08 51.2±.3	37.54N±.01	141.77E±.03	31	3.2		¶97v1073
ISC	**V**	**07 13 24 54**±1.1	**35.39N**±.052	**141.31E**±.093	**23**±9.4		**37**	**0-5**
JMA	V	07 13 24 53.5±.2	35.44N±.01	141.33E±.02	29±2	3.0		¶97v1111
ISC	**V**	**07 13 52 30**±2.4	**34.7N**±.17	**140.1E**±.12	**67**±27		**16**	**0-2**
JMA	V	07 13 52 30.1±.2	34.76N±.02	140.09E±.01	60±3	2.3		¶97v1112
ISC	**V**	**07 16 24 24**±1.6	**35.6N**±.12	**140.5E**±.24	**61**		**4**	**1-1**
JMA	V	07 16 24 23.6±.2	35.57N±.01	140.47E±.03	61±3	2.1		¶97v1123
ISC	Poorly determined							
ISC	**V**	**07 17 00 30**±4.7	**38.6N**±.19	**141.3E**±.57	**123**±42		**8**	**0-1**
JMA	V	07 17 00 31.6±.4	38.64N±.02	141.35E±.05	106±4			¶97v1126
ISC	**V**	**07 18 51 50**±7.6	**36.1N**±.31	**141.3E**±.47	**19**±27		**12**	**1-3**
JMA	V	07 18 51 53.9±.4	36.21N±.02	141.05E±.04	44±4	2.9		¶97v1136
ISC	**V**	**08 00 35 25**±1.3	**35.37N**±.074	**141.3E**±.12	**24**±13		**23**	**1-4**
JMA	V	08 00 35 25.2±.5	35.41N±.02	141.27E±.05	29	3.1		¶97v1158
JMA	**V**	**08 02 07 10.6**±.3	**36.44N**±.02	**141.22E**±.03	**45**±4	**3.0**		¶97v1169
ISC	**V**	**08 14 13 36**±1.8	**36.14N**±.061	**140.39E**±.096	**104**±25		**23**	**0-3**
JMA	V	08 14 13 36.2±.2	36.16N±.01	140.35E±.01	100±2			¶97v1257
ISC	**V**	**08 14 43 45**±1.3	**36.1N**±.13	**140.1E**±.16	**62**		**7**	**1-1**
JMA	V	08 14 43 44.8±.1	36.10N±.01	140.06E±.01	62±2			¶97v1263
ISC	**V**	**08 15 31 23**±1.6	**35.15N**±.094	**140.59E**±.087	**106**±16		**43**	**0-5**
JMA	V	08 15 31 24.4±.2	35.18N±.01	140.47E±.02	99±2			¶97v1269
ISC	**V**	**08 21 13 54**±4.9	**40.9N**±.21	**142.5E**±.43	**14**		**11**	**1-2**
JMA	V	08 21 13 53.2±.3	40.94N±.01	142.50E±.03	14	2.8		¶97v1311
ISC	**V**	**08 22 25 20**±3.9	**36.7N**±.22	**141.3E**±.36	**40**		**11**	**1-2**
JMA	V	08 22 25 19.4±.3	36.72N±.01	141.34E±.03	40±4	3.1		¶97v1319
ISC	**V**	**09 04 01 21.0**±.88	**36.79N**±.049	**140.84E**±.097	**106**±12		**34**	**0-4**
JMA	V	09 04 01 21.9±.1	36.78N±.01	140.79E±.01	95±2			¶97v1357
ISC	**V**	**09 07 11 21**±3.1	**36.9N**±.15	**141.7E**±.29	**31**		**12**	**1-3**
JMA	V	09 07 11 20.1±.5	36.91N±.02	141.69E±.04	31	2.9		¶97v1378
ISC	**V**	**09 07 51 15**±2.6	**36.9N**±.13	**141.6E**±.23	**25**		**14**	**1-3**
JMA	V	09 07 51 14.9±.5	36.89N±.02	141.63E±.04	25±4	3.1		¶97v1383
JMA	**V**	**09 10 20 24.2**±.4	**38.59N**±.01	**141.98E**±.04	**82**±5			¶97v1406
JMA	**V**	**09 14 44 14.5**±.4	**40.77N**±.03	**141.57E**±.04	**68**			¶97v1438
ISC	**V**	**09 17 22 55.2**±.60	**35.79N**±.021	**141.16E**±.034	**16**±4.3	**4.8b,4.3s**	**258**	**0-148**
EIDC	V	09 17 22 53.7	35.6N	140.9E	0	4.5b,3.6s		¶97v1455
JMA	V	09 17 22 55.6±.3	35.78N±.01	141.13E±.03	17±4	4.6		
BJI	V	09 17 22 56.3	35.88N	140.75E	20	4.9b,4.4s		
NEIC	V	09 17 22 57.2	35.67N	140.78E	31	4.9b		
MOS	V	09 17 22 57.6	35.7N	140.8E	33	5.3b,4.5s		
ISC	**V**	**09 19 42 37**±4.0	**38.5N**±.18	**141.2E**±.33	**78**±40		**8**	**0-1**
JMA	V	09 19 42 37.9±.2	38.48N±.01	141.23E±.02	73±2			¶97v1477
ISC	**V**	**09 23 35 05**±2.3	**38.9N**±.13	**141.1E**±.22	**96**±26		**9**	**0-3**
JMA	V	09 23 35 05.7±.1	38.92N±.01	141.09E±.01	88±1			¶97v1499
ISC	**V**	**10 01 04 34.3**±.47	**40.17N**±.040	**142.9E**±.10	**64**±24		**48**	**1-6**
JMA	V	10 01 04 35.1±.1	40.25N±.01	142.79E±.02	46±4	3.8		¶97v1508
ISC	**V**	**10 17 10 01.0**±.72	**36.94N**±.044	**141.93E**±.097	**57**±27		**51**	**1-7**
JMA	V	10 17 10 01.6±.2	36.94N±.01	141.78E±.02	41±4	3.5		¶97v1633
ISC	**V**	**10 18 10 12**±1.1	**36.69N**±.060	**141.3E**±.11	**35**		**31**	**1-3**
JMA	V	10 18 10 11.4±.3	36.69N±.01	141.27E±.03	35±3	3.0		¶97v1639
ISC	**V**	**10 18 38 41**±1.9	**36.9N**±.10	**141.7E**±.18	**29**		**25**	**1-3**
JMA	V	10 18 38 39.8±.5	36.85N±.02	141.71E±.04	29	3.1		¶97v1643
ISC	**V**	**10 19 05 25**±1.8	**36.0N**±.14	**140.3E**±.17	**74**±24		**16**	**1-4**
JMA	V	10 19 05 25.1±.1	36.06N±.01	140.23E±.01	73±2			¶97v1649
ISC	**V**	**10 21 57 31**±2.8	**37.2N**±.16	**141.0E**±.34	**99**±26		**10**	**0-2**
JMA	V	10 21 57 31.6±.2	37.25N±.01	140.99E±.04	94±3			¶97v1671
ISC	**V**	**11 07 16 50**±4.7	**38.5N**±.18	**141.4E**±.39	**76**±45		**7**	**0-1**
JMA	V	11 07 16 50.8±.2	38.56N±.01	141.35E±.02	71±2			¶97v1744
JMA	**V**	**11 12 42 25.4**±.3	**35.97N**±.02	**140.08E**±.02	**76**±3			¶97v1779
ISC	**V**	**11 14 46 38**±1.4	**39.91N**±.053	**142.6E**±.10	**21**±13		**25**	**1-4**
JMA	V	11 14 46 39.3±.3	39.92N±.01	142.46E±.03	38±3	3.1		¶97v1797
ISC	**V**	**11 22 59 40.3**±.26	**37.12N**±.019	**141.01E**±.027	**64**±2.3	**5.5b**	**664**	**0-163**
BJI	V	11 22 59 36.7	37.00N	141.13E	48	5.6b,5.1s		¶97v1857
MOS	V	11 22 59 37.6	37.3N	140.9E	34	6.1b		
JMA	V	11 22 59 38.2±.1	37.06N±.01	141.25E±.02	54±3	5.5		
NEIC	V	11 22 59 38.2	37.09N	140.91E	49	5.5b,5.3s		
EIDC	V	11 22 59 40.4	37.1N	141.0E	56	4.9b		
HRVD	V	11 22 59 42.9±.8	37.09N	140.91E	58±8.7			
JMA	Felt I= IV J1							
NEIC	Mw5.9(HRV)							
NEIC	Felt I=IV J at Koriyama, III J at Sendai and II J at Morioka and Tokyo.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c14; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}3.09±.44; $M_{\theta\theta}$3.28±1.11; $M_{\phi\phi}$−6.36±1.10; $M_{r\theta}$4.00±.85; $M_{r\phi}$3.85±.78; $M_{\theta\phi}$−5.33±.78. Principal Axes: T 7.3,Plg38°,Azm9°; N 3.4, Plg45°,Azm229°; P −10.7,Plg21°,Azm117°. Best double couple: $M_0$9.0×10^{17}Nm, NP1: ϕ_S160°,δ47°,λ15°. NP2:ϕ_S60°,δ79°,λ136°.							
ISC	**V**	**12 00 30 58.3**±.52	**35.49N**±.031	**141.24E**±.055	**43**±5.1	**4.0b**	**108**	**0-148**
MOS	V	12 00 30 56.8	35.6N	141.4E	33	4.6b		¶97v1868
NEIC	V	12 00 30 57.5	35.49N	141.14E	33	4.3b		
EIDC	V	12 00 30 58.7	35.5N	141.1E	25	3.7b,3.5L		
JMA	V	12 00 30 58.9±.3	35.57N±.01	141.13E±.04	38±3	3.9		
JMA	**V**	**12 03 12 52.9**±.2	**37.10N**±.01	**141.54E**±.03	**62**±3			¶97v1880
ISC	**V**	**12 05 53 45**±1.2	**36.14N**±.078	**140.9E**±.13	**44**		**12**	**0-3**
JMA	V	12 05 53 44.4±.2	36.17N±.01	140.89E±.02	44±3	3.2		¶97v1902
ISC	**V**	**12 05 57 06**±1.3	**36.71N**±.073	**141.6E**±.14	**37**		**24**	**1-3**
JMA	V	12 05 57 05.5±.4	36.71N±.02	141.57E±.04	37	3.4		¶97v1903
ISC	**V**	**12 06 05 02**±3.1	**36.7N**±.19	**141.6E**±.24	**37**		**17**	**1-3**
JMA	V	12 06 05 00.0±.4	36.67N±.02	141.70E±.03	37	3.1		¶97v1904
ISC	**V**	**12 11 03 17**±1.7	**34.62N**±.080	**140.2E**±.11	**88**±20		**24**	**0-5**
JMA	V	12 11 03 17.4±.2	34.59N±.01	140.16E±.02	89±3			¶97v1944
ISC	**V**	**12 11 05 33**±2.9	**38.87N**±.088	**141.4E**±.27	**112**±32		**13**	**0-2**
JMA	V	12 11 05 33.8±.2	38.86N±.01	141.36E±.02	105±2			¶97v1945
ISC	**V**	**12 12 16 38**±1.0	**36.25N**±.050	**140.94E**±.091	**29**±11		**35**	**0-4**
JMA	V	12 12 16 37.3±.2	36.23N±.01	140.92E±.02	46±3	3.0		¶97v1957
ISC	**V**	**12 14 00 40**±1.3	**36.35N**±.058	**141.2E**±.10	**21**±11		**30**	**1-4**
JMA	V	12 14 00 41.0±.3	36.35N±.01	141.16E±.03	42±4	3.1		¶97v1973
ISC	**V**	**12 15 03 47**±2.3	**37.4N**±.12	**141.9E**±.24	**43**		**14**	**1-3**
JMA	V	12 15 03 46.6±.3	37.38N±.01	141.87E±.03	43	2.9		¶97v1990
ISC	**V**	**12 20 35 52**±3.7	**35.8N**±.35	**140.0E**±.36	**92**		**6**	**1-2**
JMA	V	12 20 35 51.5±.4	35.75N±.02	140.06E±.02	92±3			¶97v2039
ISC	**V**	**12 20 59 44**±5.6	**38.8N**±.17	**141.7E**±.42	**62**±55		**6**	**0-1**
JMA	V	12 20 59 44.2±.1	38.82N±.00	141.66E±.01	64±1			¶97v2044
ISC	**V**	**12 21 43 12.0**±.58	**40.57N**±.034	**141.7E**±.11	**44**±38		**25**	**1-4**
JMA	V	12 21 43 11.8±.1	40.57N±.01	141.69E±.02	49±4	2.9		¶97v2049
JMA	**V**	**12 23 33 33.3**±.3	**40.98N**±.02	**141.63E**±.04	**114**			¶97v2075
ISC	**V**	**13 03 53 05**±1.5	**37.13N**±.095	**141.2E**±.19	**89**±15		**24**	**0-3**
JMA	V	13 03 53 04.9±.2	37.13N±.01	141.15E±.02	85±2			¶97v2121
ISC	**V**	**13 09 23 31**±2.1	**40.48N**±.075	**141.5E**±.23	**128**±28		**15**	**0-3**
JMA	V	13 09 23 32.0±.3	40.45N±.01	141.51E±.03	116±3			¶97v2213
ISC	**V**	**13 12 55 37.8**±.93	**36.56N**±.061	**140.80E**±.095	**45**±19		**24**	**0-3**
JMA	V	13 12 55 37.6±.2	36.57N±.01	140.76E±.02	48±3	3.0		¶97v2254
ISC	**V**	**13 13 16 47.1**±.95	**36.16N**±.097	**140.1E**±.11	**85**±12	3.2b	**11**	**1-65**
JMA	V	13 13 16 48.4±.1	36.17N±.01	140.07E±.01	65±2			¶97v2256
ISC	**V**	**14 15 04 45.8**±.50	**40.27N**±.039	**142.73E**±.083	**26**		**40**	**1-5**
JMA	V	14 15 04 46.3±.3	40.30N±.01	142.59E±.02	26±4	3.2		¶97v2465
ISC	**V**	**14 15 12 45**±1.9	**35.62N**±.075	**140.1E**±.10	**76**±25		**19**	**0-2**
JMA	V	14 15 12 45.3±.2	35.63N±.01	140.05E±.02	71±3			¶97v2467
JMA	**V**	**14 16 11 34.7**±.3	**36.11N**±.02	**140.01E**±.02	**67**±3			¶97v2478
ISC	**V**	**15 08 30 28**±4.1	**38.4N**±.19	**141.2E**±.34	**79**±40		**11**	**0-2**
JMA	V	15 08 30 28.9±.1	38.41N±.01	141.22E±.02	73±2			¶97v2582
ISC	**V**	**15 10 15 55**±2.8	**36.8N**±.27	**140.9E**±.51	**79**		**4**	**0-1**
JMA	V	15 10 15 54.2±.4	36.77N±.02	140.92E±.04	79±4			¶97v2596
ISC	Poorly determined							
JMA	**V**	**15 10 43 51.9**±.5	**36.30N**±.03	**140.20E**±.03	**96**±4			¶97v2600
JMA	**V**	**15 13 04 22.1**±.3	**36.11N**±.02	**140.08E**±.02	**65**±3			¶97v2622
ISC	**V**	**15 13 29 40**±2.1	**37.0N**±.11	**141.9E**±.18	**18**		**20**	**1-3**
JMA	V	15 13 29 39.4±.4	37.03N±.01	141.97E±.03	18±5	3.0		¶97v2626
ISC	**V**	**15 20 53 53**±1.0	**40.23N**±.044	**142.3E**±.10	**28**±10		**25**	**0-4**
JMA	V	15 20 53 53.3±.1	40.23N±.01	142.23E±.02	41±3	3.1		¶97v2674
ISC	**V**	**15 22 03 24**±1.1	**35.68N**±.068	**140.7E**±.10	**56**±18		**23**	**0-4**
JMA	V	15 22 03 25.0±.2	35.71N±.01	140.65E±.02	46±2	2.9		¶97v2685
JMA	**V**	**16 00 26 28.7**±.2	**36.16N**±.01	**140.40E**±.01	**67**±1			¶97v2704
ISC	**V**	**16 08 09 10**±1.6	**39.77N**±.063	**142.6E**±.13	**29**±12		**21**	**1-4**
JMA	V	16 08 09 11.8±.2	39.73N±.01	142.38E±.02	40±2	3.1		¶97v2740
ISC	**V**	**16 09 35 38.8**±.91	**38.87N**±.092	**141.5E**±.26	**96**		**11**	**0-1**
JMA	V	16 09 35 38.7±.3	38.88N±.01	141.51E±.03	96±3			¶97v2750
ISC	**V**	**16 10 25 42**±2.0	**34.8N**±.14	**140.15E**±.092	**79**±21		**18**	**0-2**
JMA	V	16 10 25 41.8±.3	34.82N±.02	140.12E±.01	83±3			¶97v2757
ISC	**V**	**16 14 13 22**±1.5	**37.67N**±.074	**141.6E**±.17	**84**±19		**23**	**1-3**
JMA	V	16 14 13 21.8±.1	37.68N±.01	141.61E±.02	78±2			¶97v2784
ISC	**V**	**16 14 45 47.9**±.77	**39.93N**±.052	**142.9E**±.10	**28**		**24**	**1-4**
JMA	V	16 14 45 47.5±.2	39.93N±.01	142.85E±.02	28±3	2.8		¶97v2790
ISC	**V**	**16 18 54 05**±1.1	**35.41N**±.070	**140.51E**±.074	**63**±16		**30**	**0-4**
JMA	V	16 18 54 04.5±.2	35.43N±.01	140.48E±.02	65±3			¶97v2825
ISC	**V**	**16 19 17 36**±1.9	**38.86N**±.063	**141.4E**±.19	**89**±21		**15**	**0-2**
JMA	V	16 19 17 36.4±.1	38.86N±.00	141.43E±.01	86±1			¶97v2829
ISC	**V**	**17 02 32 40**±3.0	**36.5N**±.24	**140.8E**±.36	**105**±22		**14**	**0-4**
JMA	V	17 02 32 42.1±.2	36.58N±.01	140.59E±.02	89±2			¶97v2870
ISC	**V**	**17 04 24 31**±1.1	**38.74N**±.068	**142.2E**±.18	**64**±24		**27**	**1-5**
JMA	V	17 04 24 31.8±.2	38.74N±.01	142.04E±.02	58±3	3.6		¶97v2881
JMA	**V**	**17 12 57 22.4**±.3	**36.25N**±.02	**140.01E**±.02	**72**±3			¶97v2930
ISC	**V**	**17 19 18 21**±2.1	**38.61N**±.067	**142.3E**±.23	**42**		**20**	**1-3**
JMA	V	17 19 18 20.5±.2	38.59N±.01	142.30E±.02	42±4	2.8		¶97v2976
ISC	**V**	**17 22 26 58.5**±.85	**36.20N**±.050	**140.06E**±.061	**30**±9.2		**27**	**1-4**
NEIC	V	17 22 26 56.9	36.15N	140.18E	77			¶97v2994
JMA	V	17 22 26 58.1±.1	36.19N±.01	140.04E±.01	50±2	2.8		
NEIC	Less reliable solution.							
ISC	**V**	**18 06 55 52**±1.1	**36.01N**±.063	**141.4E**±.11	**43**		**33**	**1-4**
JMA	V	18 06 55 51.2±.4	36.02N±.01	141.39E±.04	43	3.2		¶97v3041
ISC	**V**	**18 07 01 15.1**±.63	**35.63N**±.037	**140.17E**±.052	**78**±12		**45**	**0-5**
JMA	V	18 07 01 15.3±.2	35.64N±.01	140.09E±.01	74±2			¶97v3043
ISC	**V**	**18 07 16 30**±2.6	**36.0N**±.13	**141.4E**±.22	**21**±17		**13**	**1-4**
JMA	V	18 07 16 29.6±.3	36.03N±.02	141.48E±.03	38±5	3.0		¶97v3046
ISC	**V**	**18 07 43 20**±2.2	**36.1N**±.10	**141.4E**±.18	**20**±15		**25**	**1-4**
JMA	V	18 07 43 19.0±.4	35.99N±.01	141.44E±.03	43	3.2		¶97v3049
ISC	**V**	**18 09 50 10**±1.1	**35.59N**±.093	**140.2E**±.15	**67**		**10**	**0-1**
JMA	V	18 09 50 10.1±.2	35.61N±.01	140.16E±.02	67±3			¶97v3060
ISC	**V**	**18 10 03 29**±1.3	**36.1N**±.12	**140.2E**±.12	**24**±27		**6**	**1-1**
JMA	V	18 10 03 27.5±.3	36.12N±.02	140.29E±.02	63±3			¶97v3063
ISC	Poorly determined							
ISC	**V**	**18 11 35 01**±1.1	**36.7N**±.14	**140.3E**±.18	**113**		**11**	**0-3**
JMA	V	18 11 35 01.3±.3	36.69N±.01	140.33E±.02	113±3			¶97v3071
ISC	**V**	**18 14 58 12**±1.9	**40.0N**±.27	**141.4E**±.37	**83**		**6**	**0-1**
JMA	V	18 14 58 11.6±.3	39.98N±.01	141.37E±.02	83±2			¶97v3107
JMA	**V**	**18 19 57 22.6**±.3	**36.02N**±.02	**140.21E**±.01	**71**±2			¶97v3143
ISC	**V**	**18 21 39 22**±3.0	**36.6N**±.14	**141.5E**±.27	**34**		**17**	**1-3**
JMA	V	18 21 39 22.9±.3	36.73N±.01	141.38E±.03	34±4	3.2		¶97v3149
ISC	**V**	**18 22 50 50**±2.2	**35.87N**±.099	**141.5E**±.24	**43**		**10**	**1-4**
JMA	V	18 22 50 49.5±.4	35.88N±.01	141.52E±.04	43	2.8		¶97v3155

JMA	**V**	**19 01 32 16.6**±.3	**36.36N**±.01	**140.95E**±.02	**42**±3	**2.8**			¶97v3177
ISC	**V**	**19 05 47 49**±2.9	**37.2N**±.13	**141.9E**±.26	**14**			**12**	**1-2**
JMA	V	19 05 47 47.6±.5	37.17N±.02	142.00E±.04	14	2.9			¶97v3206
JMA	**V**	**19 06 25 26.1**±.3	**36.12N**±.01	**140.02E**±.01	**63**±3				¶97v3210
ISC	**V**	**19 12 17 26**±2.3	**36.6N**±.11	**140.7E**±.15	**98**±25			**15**	**0-3**
JMA	V	19 12 17 26.5±.1	36.60N±.00	140.65E±.01	87±1				¶97v3253
JMA	**V**	**19 14 20 41.8**±.3	**36.01N**±.01	**140.13E**±.02	**60**±2	**2.3**			¶97v3265
ISC	**V**	**19 19 35 39.8**±.89	**40.39N**±.049	**141.9E**±.16	**46**			**14**	**0-2**
JMA	V	19 19 35 39.5±.2	40.41N±.01	141.90E±.03	46	2.8			¶97v3297
ISC	**V**	**19 22 18 01**±1.7	**35.58N**±.059	**140.1E**±.11	**85**±19			**23**	**0-2**
JMA	V	19 22 18 01.9±.2	35.59N±.01	140.02E±.02	75±2				¶97v3310
ISC	**V**	**20 02 06 07**±1.1	**36.64N**±.069	**141.0E**±.13	**39**±31			**18**	**0-3**
JMA	V	20 02 06 07.2±.3	36.64N±.01	140.97E±.03	48±4	3.1			¶97v3342
ISC	**V**	**20 05 07 10.6**±.64	**39.76N**±.061	**142.7E**±.15	**86**±19			**31**	**1-4**
JMA	V	20 05 07 12.1±.3	39.81N±.01	142.46E±.03	83±3				¶97v3359
ISC	**V**	**20 12 44 16**±2.9	**37.0N**±.18	**141.0E**±.35	**96**±24			**10**	**0-2**
JMA	V	20 12 44 16.4±.3	37.06N±.02	141.01E±.04	91±3				¶97v3400
ISC	**V**	**20 21 23 39**±1.5	**39.89N**±.067	**142.4E**±.14	**26**±12			**20**	**0-4**
JMA	V	20 21 23 39.3±.2	39.91N±.01	142.41E±.02	38±2	3.0			¶97v3460
ISC	**V**	**20 22 05 04**±4.4	**37.0N**±.23	**141.2E**±.51	**88**±36			**6**	**0-1**
JMA	V	20 22 05 04.8±.4	36.99N±.02	141.11E±.04	82±4				¶97v3466
ISC	**V**	**21 01 09 35**±1.4	**37.42N**±.080	**141.4E**±.18	**64**±19			**20**	**0-3**
JMA	V	21 01 09 35.1±.1	37.44N±.01	141.36E±.02	63±2				¶97v3489
ISC	**V**	**21 03 18 44**±3.0	**36.7N**±.15	**141.4E**±.21	**25**±14			**17**	**1-3**
JMA	V	21 03 18 43.7±.3	36.72N±.01	141.37E±.02	39±3	3.2			¶97v3502
ISC	**V**	**21 05 43 31**±1.1	**36.17N**±.064	**141.5E**±.12	**31**			**29**	**1-4**
JMA	V	21 05 43 29.6±.3	36.17N±.01	141.50E±.03	31	3.4			¶97v3522
ISC	**V**	**21 06 50 51**±1.2	**37.09N**±.052	**141.9E**±.12	**18**			**30**	**1-4**
JMA	V	21 06 50 50.1±.3	37.08N±.01	141.93E±.02	18±4	3.3			¶97v3526
ISC	**V**	**21 13 12 44**±1.8	**36.30N**±.068	**140.01E**±.090	**113**±23			**25**	**0-3**
JMA	V	21 13 12 44.9±.2	36.29N±.01	140.00E±.01	106±2				¶97v3560
ISC	**V**	**21 16 00 40**±1.5	**40.25N**±.056	**141.4E**±.19	**86**±19			**15**	**0-2**
JMA	V	21 16 00 40.0±.1	40.25N±.00	141.36E±.01	85±1				¶97v3578
ISC	**V**	**21 17 18 00**±1.1	**36.37N**±.063	**141.04E**±.096	**27**±9.8			**27**	**0-4**
JMA	V	21 17 17 59.3±.2	36.39N±.01	141.04E±.02	44±3	3.1			¶97v3585
ISC	**V**	**21 19 38 39**±2.4	**37.6N**±.16	**141.4E**±.40	**75**			**8**	**0-1**
JMA	V	21 19 38 39.6±.2	37.61N±.01	141.35E±.02	75±3				¶97v3597
ISC	**V**	**22 05 13 52**±3.2	**36.4N**±.23	**140.8E**±.26	**46**±29			**13**	**0-3**
JMA	V	22 05 13 51.8±.2	36.41N±.01	140.72E±.02	52±2	2.9			¶97v3712
ISC	**V**	**22 07 57 32**±1.7	**37.91N**±.083	**141.1E**±.19	**68**±24			**15**	**0-2**
JMA	V	22 07 57 32.1±.1	37.90N±.00	141.13E±.01	72±1				¶97v3735
ISC	**V**	**22 14 46 05.1**±.81	**36.96N**±.040	**140.82E**±.086	**107**±12			**34**	**0-3**
JMA	V	22 14 46 06.0±.2	36.95N±.01	140.80E±.02	96±3				¶97v3785
ISC	**V**	**23 00 57 33**±3.7	**38.7N**±.13	**141.7E**±.36	**64**±38			**9**	**0-1**
JMA	V	23 00 57 33.5±.2	38.75N±.01	141.72E±.02	63±2				¶97v3855
JMA	**V**	**23 01 02 58.1**±.4	**36.36N**±.03	**140.57E**±.03	**87**±2				¶97v3858
ISC	**V**	**23 05 03 45.4**±.60	**35.39N**±.039	**140.09E**±.051	**75**±9.8			**50**	**0-5**
JMA	V	23 05 03 45.3±.2	35.39N±.01	140.04E±.01	74±2				¶97v3890
ISC	**V**	**23 06 32 14**±4.0	**37.5N**±.23	**141.4E**±.68	**76**			**7**	**0-1**
JMA	V	23 06 32 14.0±.2	37.57N±.01	141.36E±.03	76±4				¶97v3901
ISC	Poorly determined								
ISC	**V**	**23 13 19 06**±3.1	**37.1N**±.21	**141.2E**±.42	**80**±26			**10**	**0-2**
JMA	V	23 13 19 05.9±.2	37.08N±.01	141.16E±.04	81±3				¶97v3957
ISC	**V**	**23 22 52 36.2**±.29	**40.96N**±.025	**142.02E**±.063	**74**±5.3	**3.8b**		**61**	**1-71**
JMA	V	23 22 52 36.7±.1	40.95N±.00	141.96E±.01	60±4	3.8			¶97v4015
NEIC	V	23 22 52 42.0	40.94N	141.84E	128	4.1b			
EIDC	V	23 22 52 42.9	40.9N	141.9E	118	3.4b,3.4L			
NEIC	Poor solution.								
ISC	**V**	**24 13 31 34**±2.3	**38.92N**±.072	**141.3E**±.18	**111**±25			**16**	**0-2**
JMA	V	24 13 31 34.1±.2	38.91N±.01	141.31E±.03	108±3				¶97v4116
JMA	**V**	**24 14 16 19.8**±.2	**36.30N**±.01	**140.10E**±.02	**72**±2				¶97v4126
JMA	**V**	**24 16 25 46.6**±.2	**36.02N**±.01	**140.10E**±.02	**61**±2				¶97v4139
ISC	**V**	**24 17 29 17**±1.3	**36.96N**±.072	**140.0E**±.10	**111**±17			**20**	**0-3**
JMA	V	24 17 29 17.3±.1	36.94N±.01	140.03E±.01	105±2				¶97v4148
ISC	**V**	**24 23 32 11**±3.6	**37.3N**±.20	**141.7E**±.26	**12**			**11**	**1-2**
JMA	V	24 23 32 09.6±.4	37.28N±.02	141.79E±.03	12	2.8			¶97v4186
JMA	**V**	**25 12 32 14.4**±.2	**36.38N**±.04	**140.48E**±.04	**68**				¶97v4272
ISC	**V**	**26 02 21 28.0**±.84	**38.83N**±.049	**141.6E**±.12	**66**±14			**23**	**0-4**
JMA	V	26 02 21 28.0±.1	38.81N±.00	141.60E±.01	64±1				¶97v4354
ISC	**V**	**26 05 33 34.1**±.23	**36.03N**±.023	**140.27E**±.033	**105**±2.7	**4.1b**		**173**	**0-148**
BJI	V	26 05 33 32.5	35.51N	139.53E	70	4.4b			¶97v4372
MOS	V	26 05 33 33.2	36.0N	140.0E	95	4.4b			
NEIC	V	26 05 33 33.2	35.76N	140.15E	100	4.4b			
EIDC	V	26 05 33 33.4	35.8N	140.3E	89	3.8b			
JMA	V	26 05 33 34.7±.2	35.98N±.01	140.21E±.01	104±2	4.0			
ISC	**V**	**26 12 51 57**±2.1	**36.1N**±.24	**140.1E**±.22	**66**			**4**	**1-1**
JMA	V	26 12 51 57.0±.2	36.14N±.01	140.03E±.01	66±2				¶97v4416
ISC	Poorly determined								
ISC	**V**	**26 16 09 32.1**±.31	**37.39N**±.020	**141.58E**±.037	**51**±2.8	**4.5b,4.3s**		**255**	**1-146**
BJI	V	26 16 09 28.7	37.07N	141.73E	43	4.8b,4.2s			¶97v4440
MOS	V	26 16 09 29.3	37.4N	141.5E	30	5.2b,4.4s			
JMA	V	26 16 09 30.6±.2	37.31N±.01	141.67E±.02	43±5	4.5			
NEIC	V	26 16 09 30.8	37.36N	141.47E	41	4.6b,4.2s			
EIDC	V	26 16 09 32.0	37.2N	141.6E	46	4.1b,3.7s			
ISC	**V**	**26 19 36 20**±1.3	**35.76N**±.052	**141.2E**±.11	**30**±11			**25**	**0-4**
JMA	V	26 19 36 20.4±.2	35.77N±.01	141.12E±.03	36±2	3.0			¶97v4458
ISC	**V**	**26 21 12 41.8**±.67	**35.71N**±.038	**140.27E**±.057	**61**±15			**45**	**0-4**
JMA	V	26 21 12 41.3±.2	35.73N±.01	140.24E±.02	64±2				¶97v4466
ISC	**V**	**26 21 15 46**±3.0	**36.0N**±.13	**141.3E**±.29	**40**			**9**	**0-2**
JMA	V	26 21 15 45.3±.4	36.01N±.02	141.33E±.04	40	2.9			¶97v4467
ISC	**V**	**27 02 54 35**±1.3	**37.21N**±.067	**141.1E**±.14	**100**±16			**23**	**0-3**
JMA	V	27 02 54 35.2±.2	37.20N±.01	141.10E±.02	93±3				¶97v4507
ISC	**V**	**27 09 26 21**±1.7	**37.60N**±.086	**141.8E**±.21	**78**±24			**22**	**1-3**
JMA	V	27 09 26 21.9±.2	37.63N±.01	141.75E±.03	71±4				¶97v4547
ISC	**V**	**27 11 11 44**±11	**36.2N**±.68	**140.9E**±.66	**104**±54			**10**	**0-3**
JMA	V	27 11 11 47.4±.2	36.41N±.01	140.63E±.02	83±2				¶97v4559
ISC	**V**	**27 13 12 01**±1.0	**36.01N**±.060	**141.3E**±.11	**39**			**31**	**0-4**
JMA	V	27 13 12 00.0±.3	36.01N±.01	141.26E±.04	39±4	3.0			¶97v4572
ISC	**V**	**27 13 28 30**±7.0	**40.4N**±.30	**141.6E**±.34	**123**±56			**13**	**0-2**
JMA	V	27 13 28 31.1±.3	40.39N±.02	141.51E±.03	113±3				¶97v4575
JMA	**V**	**27 14 40 23.6**±.2	**36.85N**±.03	**140.67E**±.07	**90**				¶97v4582
ISC	**V**	**27 17 06 26**±4.5	**40.1N**±.16	**142.0E**±.46	**63**±35			**10**	**0-1**
JMA	V	27 17 06 26.1±.2	40.13N±.01	141.97E±.02	61±2	2.0			¶97v4593
JMA	**V**	**27 22 34 27.2**±.2	**35.89N**±.01	**140.48E**±.01	**38**±3	**2.9**			¶97v4618
ISC	**V**	**27 23 46 04**±6.1	**36.5N**±.33	**141.3E**±.50	**41**			**10**	**1-3**
JMA	V	27 23 46 02.5±.4	36.46N±.02	141.30E±.03	41±5	2.8			¶97v4626
ISC	**V**	**28 01 24 56**±2.0	**38.04N**±.085	**141.2E**±.28	**69**±30			**10**	**0-2**
JMA	V	28 01 24 55.5±.0	38.04N±.00	141.15E±.02	69±1				¶97v4636
ISC	**V**	**28 09 58 01**±3.6	**34.4N**±.11	**140.5E**±.20	**76**±45			**15**	**0-2**
JMA	V	28 09 58 01.8±.3	34.40N±.02	140.40E±.02	64±5				¶97v4701
ISC	**V**	**28 13 31 14**±14	**36.6N**±.46	**141.5E**±.99	**18**±34			**12**	**1-3**
JMA	V	28 13 31 16.3±.4	36.63N±.01	141.33E±.03	31±4	2.8			¶97v4727
JMA	**V**	**28 21 37 26.9**±.3	**36.03N**±.02	**140.37E**±.02	**60**±3	**2.3**			¶97v4777
ISC	**V**	**28 21 53 26**±1.1	**36.39N**±.070	**141.0E**±.12	**45**			**20**	**0-3**
JMA	V	28 21 53 26.2±.2	36.42N±.01	141.02E±.02	45±3	2.9			¶97v4778
ISC	**V**	**29 12 23 16.4**±.93	**36.07N**±.069	**140.05E**±.096	**65**±19			**26**	**1-4**
JMA	V	29 12 23 16.2±.1	36.06N±.01	140.04E±.01	68±2				¶97v4871
ISC	**V**	**29 12 35 24.1**±.34	**40.52N**±.038	**141.57E**±.095	**117**			**33**	**0-4**
JMA	V	29 12 35 24.6±.1	40.53N±.01	141.44E±.02	117±2				¶97v4872
ISC	**V**	**29 13 51 30**±1.9	**37.3N**±.12	**141.3E**±.22	**58**±24			**10**	**0-2**
JMA	V	29 13 51 29.4±.2	37.24N±.01	141.31E±.03	56±3	2.8			¶97v4876
ISC	**V**	**29 15 05 39**±1.7	**36.51N**±.071	**141.2E**±.19	**25**±12			**13**	**0-3**
JMA	V	29 15 05 39.7±.3	36.49N±.01	141.10E±.03	38±5	2.8			¶97v4885
ISC	**V**	**29 15 37 26**±12	**38.9N**±.23	**142.7E**±.93	**17**±31			**7**	**1-2**
JMA	V	29 15 37 28.8±.3	38.94N±.01	142.52E±.03	30	2.9			¶97v4889
ISC	**V**	**29 15 45 57**±4.7	**36.9N**±.31	**141.2E**±.86	**90**			**7**	**0-2**
JMA	V	29 15 45 58.0±.3	37.00N±.02	140.97E±.05	90±3				¶97v4893
ISC	**V**	**30 02 54 53**±6.2	**36.9N**±.19	**140.3E**±.25	**123**±58			**8**	**0-1**
JMA	V	30 02 54 54.0±.4	36.89N±.01	140.27E±.03	110±4				¶97v4967
ISC	**V**	**30 04 54 56**±2.0	**38.20N**±.067	**142.3E**±.22	**35**			**19**	**1-3**
JMA	V	30 04 54 55.1±.3	38.20N±.01	142.34E±.04	35	3.5			¶97v4983
ISC	**V**	**30 08 10 58**±5.6	**38.9N**±.20	**141.4E**±.60	**107**±54			**11**	**0-2**
JMA	V	30 08 10 58.8±.3	38.85N±.01	141.37E±.03	100±3				¶97v5001
JMA	**V**	**30 12 01 03.5**±.4	**36.72N**±.05	**141.52E**±.03	**67**				¶97v5029
ISC	**V**	**30 13 00 07**±2.2	**36.20N**±.095	**140.9E**±.18	**41**±64			**9**	**0-2**
JMA	V	30 13 00 07.2±.2	36.21N±.01	140.88E±.02	45±4	2.8			¶97v5037
ISC	**V**	**30 13 45 24**±1.2	**35.01N**±.084	**141.8E**±.11	**77**±19			**53**	**1-9**
JMA	V	30 13 45 24.8±.3	35.11N±.01	141.73E±.03	73±4				¶97v5045
ISC	**V**	**30 15 32 37**±1.8	**35.59N**±.093	**140.0E**±.12	**75**±24			**15**	**0-2**
JMA	V	30 15 32 37.0±.3	35.60N±.01	140.04E±.02	68±3				¶97v5058
ISC	**V**	**30 18 46 51**±1.8	**37.58N**±.093	**141.6E**±.21	**82**±25			**18**	**1-2**
JMA	V	30 18 46 50.8±.2	37.58N±.01	141.62E±.03	76±3				¶97v5077
ISC	**V**	**30 21 13 34**±1.5	**36.25N**±.084	**141.1E**±.17	**42**			**13**	**1-3**
JMA	V	30 21 13 34.2±.3	36.26N±.01	141.07E±.03	42±4	2.8			¶97v5102
ISC	**V**	**31 01 08 57**±1.7	**35.0N**±.54	**140.2E**±.22	**62**			**7**	**0-1**
JMA	V	31 01 08 56.7±.4	35.04N±.03	140.16E±.02	62±4				¶97v5127
ISC	Poorly determined								
ISC	**V**	**31 01 48 02**±4.7	**35.6N**±.26	**140.2E**±.32	**67**±63			**7**	**1-2**
JMA	V	31 01 48 03.0±.3	35.65N±.02	140.16E±.02	63±3				¶97v5136
ISC	**V**	**31 14 56 22**±2.6	**38.13N**±.095	**142.5E**±.27	**23**			**15**	**1-2**
JMA	V	31 14 56 21.3±.3	38.13N±.01	142.51E±.03	23	3.0			¶97v5203
ISC	**V**	**31 15 47 54.2**±.34	**39.83N**±.028	**142.06E**±.069	**82**±6.2	**3.5b**		**76**	**0-75**
NEIC	V	31 15 47 47.9	39.87N	142.76E	33				¶97v5207
EIDC	V	31 15 47 52.0	39.9N	142.5E	53	3.3L,3.3b			
JMA	V	31 15 47 55.7±.1	39.87N±.00	141.80E±.01	73±1	3.5			
NEIC	Single network solution.								
ISC	**V**	**31 18 09 37**±3.0	**36.7N**±.19	**141.4E**±.24	**37**			**13**	**1-3**
JMA	V	31 18 09 36.5±.4	36.72N±.02	141.38E±.04	37	2.8			¶97v5216
ISC	**V**	**31 22 50 09.2**±.71	**38.76N**±.038	**141.19E**±.068	**5**±8.2			**19**	**0-2**
JMA	V	31 22 50 09.5±.0	38.75N±.00	141.20E±.01	9±2	2.9			¶97v5249
ISC	**VI**	**01 05 19 24**±3.5	**40.1N**±.13	**141.9E**±.37	**66**±28			**9**	**0-2**
JMA	VI	01 05 19 24.0±.2	40.09N±.01	141.88E±.03	66±2				¶97vi0028
ISC	**VI**	**01 13 56 04.6**±.31	**40.70N**±.024	**141.06E**±.068	**119**±6.2	3.5b		**69**	**0-47**
JMA	VI	01 13 56 05.6±.1	40.71N±.00	140.95E±.01	106±2				¶97vi0095
EIDC	VI	01 13 56 06.9	40.8N	140.8E	113	3.4b			
ISC	**VI**	**01 15 12 56**±1.4	**34.69N**±.066	**140.3E**±.10	**65**±17			**27**	**0-3**
JMA	VI	01 15 12 55.8±.2	34.69N±.01	140.20E±.01	66±3				¶97vi0105
ISC	**VI**	**01 22 34 54**±1.8	**36.5N**±.18	**140.7E**±.23	**96**			**10**	**0-2**
JMA	VI	01 22 34 53.9±.3	36.51N±.01	140.65E±.02	96±3				¶97vi0146
ISC	**VI**	**02 04 24 36**±1.2	**37.36N**±.075	**141.3E**±.16	**58**±17			**23**	**0-3**
JMA	VI	02 04 24 35.3±.1	37.34N±.01	141.30E±.02	64±2				¶97vi0178
JMA	**VI**	**02 05 28 46.1**±.2	**35.61N**±.01	**140.14E**±.02	**63**±3				¶97vi0188
ISC	**VI**	**02 07 32 35**±1.1	**37.1N**±.17	**141.7E**±.27	**33**	**3.7b**		**5**	**20-61**
EIDC	VI	02 07 32 32.3	37.1N	141.8E	0	3.7b			¶97vi0204
ISC	**VI**	**02 23 07 59**±2.1	**39.08N**±.060	**142.4E**±.22	**23**			**15**	**1-2**
JMA	VI	02 23 07 57.1±.4	39.05N±.01	142.50E±.03	23±5	3.0			¶97vi0349
ISC	**VI**	**03 03 59 12**±1.3	**35.9N**±.16	**140.5E**±.17	**90**			**7**	**0-2**
JMA	VI	03 03 59 12.0±.4	35.90N±.02	140.53E±.02	90±4				¶97vi0382
ISC	**VI**	**03 04 20 25.2**±.90	**36.22N**±.069	**140.13E**±.094	**55**±23			**23**	**1-4**
JMA	VI	03 04 20 25.1±.1	36.22N±.01	140.09E±.01	59±2	3.1			¶97vi0384
ISC	**VI**	**03 10 36 37**±4.1	**39.65N**±.099	**142.6E**±.40	**25**			**12**	**1-2**
JMA	VI	03 10 36 36.4±.3	39.65N±.01	142.71E±.02	25±3	2.9			¶97vi0429
ISC	**VI**	**03 11 01 42**±1.8	**36.3N**±.24	**140.0E**±.21	**72**			**4**	**0-1**
JMA	VI	03 11 01 41.9±.2	36.27N±.01	140.02E±.01	72±2				¶97vi0435
ISC	Poorly determined								
ISC	**VI**	**03 12 26 23**±2.4	**39.69N**±.075	**142.2E**±.26	**44**±23			**17**	**0-3**
JMA	VI	03 12 26 23.1±.2	39.70N±.01	142.15E±.02	50±2	3.0			¶97vi0454
ISC	**VI**	**03 15 06 16**±1.7	**38.37N**±.068	**141.9E**±.19	**90**±21			**20**	**0-3**
JMA	VI	03 15 06 16.5±.1	38.38N±.01	141.87E±.02	84±2				¶97vi0472
ISC	**VI**	**03 21 58 38**±1.9	**38.91N**±.050	**142.5E**±.22	**30**			**22**	**1-5**
JMA	VI	03 21 58 37.1±.3	38.86N±.01	142.50E±.03	30±4	3.2			¶97vi0522
ISC	**VI**	**04 01 34 11**±2.7	**35.6N**±.20	**140.2E**±.27	**63**			**7**	**1-2**
JMA	VI	04 01 34 11.9±.3	35.62N±.02	140.10E±.02	63±3				¶97vi0541
ISC	**VI**	**04 09 25 39**±1.1	**35.33N**±.058	**140.43E**±.088	**55**±15			**25**	**0-2**
JMA	VI	04 09 25 38.8±.2	35.33N±.01	140.40E±.02	61±2	2.9			¶97vi0592
ISC	**VI**	**04 12 36 29**±1.3	**35.34N**±.065	**140.47E**±.091	**61**±16			**23**	**0-2**
JMA	VI	04 12 36 28.5±.2	35.36N±.01	140.43E±.02	64±2				¶97vi0613
ISC	**VI**	**04 15 57 34.3**±.70	**35.33N**±.045	**140.54E**±.059	**66**±11			**66**	**0-9**
JMA	VI	04 15 57 34.4±.2	35.35N±.01	140.43E±.01	65±2	2.9			¶97vi0639
ISC	**VI**	**04 16 32 09**±2.3	**38.48N**±.087	**142.2E**±.25	**41**			**16**	**1-2**
JMA	VI	04 16 32 08.5±.3	38.47N±.01	142.23E±.02	41±4	2.8			¶97vi0644
ISC	**VI**	**04 16 56 09**±2.5	**35.9N**±.14	**141.4E**±.22	**39**			**19**	**0-4**
JMA	VI	04 16 56 07.9±.5	35.95N±.02	141.44E±.04	39	2.9			¶97vi0649
ISC	**VI**	**05 02 43 09**±1.3	**36.40N**±.062	**141.4E**±.14	**26**			**15**	**1-3**
JMA	VI	05 02 43 08.2±.4	36.40N±.01	141.40E±.03	26±5	3.0			¶97vi0700
ISC	**VI**	**05 03 16 12**±1.3	**36.37N**±.063	**141.4E**±.14	**34**			**20**	**1-3**
JMA	VI	05 03 16 10.2±.3	36.37N±.01	141.48E±.03	34±5	3.1			¶97vi0704
ISC	**VI**	**05 10 32 54**±2.9	**35.35N**±.045	**141.81E**±.070	**7**±20	**4.0b**		**80**	**1-147**
EIDC	VI	05 10 32 56.7	35.3N	141.4E	0	3.9b,3.4L			¶97vi0750
NEIC	VI	05 10 32 59.7	35.46N	141.50E	33	4.3b			
JMA	VI	05 10 32 59.8±.4	35.44N±.02	141.43E±.04	61±5	3.8			
NEIC	Less reliable solution.								
ISC	**VI**	**05 14 37 45**±6.8	**38.3N**±.32	**142.4E**±.51	**22**			**14**	**1-2**
JMA	VI	05 14 37 44.3±.4	38.29N±.01	142.49E±.03	22±4	3.1			¶97vi0788
ISC	**VI**	**05 16 18 40**±3.9	**40.4N**±.16	**141.5E**±.23	**73**±39			**10**	**0-1**
JMA	VI	05 16 18 40.3±.2	40.44N±.01	141.53E±.02	75±2				¶97vi0803
ISC	**VI**	**05 16 44 10**±3.0	**37.0N**±.37	**140.9E**±.56	**80**			**4**	**0-1**
JMA	VI	05 16 44 09.7±.2	36.99N±.01	140.98E±.03	80±2				¶97vi0806
ISC	Poorly determined								
ISC	**VI**	**05 22 15 04**±1.2	**36.21N**±.083	**140.9E**±.16	**30**±13			**16**	**0-2**
JMA	VI	05 22 15 03.8±.2	36.22N±.01	140.87E±.02	41±2	3.1			¶97vi0835

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**VI**	**05 22 23 59**±2.7	**36.3N**±.11	**141.7E**±.25	**28**		**19**	**1-3**	
JMA	VI	05 22 23 58.7±.3	36.33N±.01	141.71E±.03	28	3.0			¶97vi0839
ISC	**VI**	**06 04 21 59**±8.6	**39.7N**±.21	**142.6E**±.84	**32**		**8**	**1-2**	
JMA	VI	06 04 21 59.2±.2	39.66N±.01	142.58E±.01	32±2	2.8			¶97vi0883
ISC	**VI**	**06 07 13 33**±7.6	**36.5N**±.48	**140.9E**±.60	**43**±37		**8**	**0-1**	
JMA	VI	06 07 13 33.3±.2	36.54N±.01	140.88E±.02	44±3	2.8			¶97vi0899
ISC	**VI**	**06 10 07 15**±1.8	**35.61N**±.065	**140.05E**±.099	**80**±24		**23**	**0-2**	
JMA	VI	06 10 07 15.7±.2	35.63N±.01	140.02E±.02	75±3				¶97vi0922
JMA	**VI**	**06 20 45 06.9**±.5	**37.36N**±.03	**141.33E**±.05	**64**				¶97vi0994
ISC	**VI**	**07 00 40 43**±4.4	**36.70N**±.067	**141.6E**±.12	**6**±33		**28**	**1-3**	
JMA	VI	07 00 40 44.9±.3	36.68N±.01	141.48E±.03	29±4	3.2			¶97vi1017
ISC	**VI**	**07 07 32 22**±1.6	**37.38N**±.092	**141.2E**±.20	**86**±22		**14**	**0-2**	
JMA	VI	07 07 32 21.6±.2	37.36N±.01	141.17E±.03	84±3				¶97vi1062
JMA	**VI**	**07 16 01 52.6**±.3	**36.04N**±.02	**140.10E**±.02	**60**±3	**1.8**			¶97vi1116
ISC	**VI**	**07 18 27 54**±1.1	**36.37N**±.061	**141.4E**±.12	**44**		**32**	**1-4**	
JMA	VI	07 18 27 51.0±.3	36.34N±.01	141.53E±.03	44	3.0			¶97vi1128
ISC	**VI**	**08 04 03 28**±2.2	**36.23N**±.088	**140.9E**±.17	**42**±55		**11**	**0-2**	
JMA	VI	08 04 03 27.5±.2	36.24N±.01	140.90E±.02	47±3	3.0			¶97vi1176
ISC	**VI**	**08 10 54 44**±3.7	**37.2N**±.14	**142.0E**±.26	**19**±21		**17**	**1-3**	
JMA	VI	08 10 54 43.0±.3	37.19N±.01	142.11E±.02	20±4	2.8			¶97vi1225
ISC	**VI**	**08 17 10 54.7**±.44	**36.01N**±.033	**140.26E**±.054	**36**±41		**42**	**1-4**	
JMA	VI	08 17 10 54.5±.1	36.01N±.01	140.22E±.01	42±2	3.2			¶97vi1268
JMA	**VI**	**08 19 54 08.2**±.2	**36.29N**±.02	**140.33E**±.01	**94**±2				¶97vi1278
ISC	**VI**	**08 21 44 10**±1.9	**36.1N**±.10	**140.1E**±.15	**126**±24		**16**	**1-4**	
JMA	VI	08 21 44 12.1±.2	36.09N±.01	140.09E±.02	102±2				¶97vi1290
ISC	**VI**	**09 01 38 36**±2.1	**37.9N**±.11	**141.8E**±.26	**53**		**13**	**1-2**	
JMA	VI	09 01 38 35.8±.1	37.86N±.01	141.76E±.02	53±4	2.8			¶97vi1309
ISC	**VI**	**09 07 27 02**±1.8	**36.3N**±.25	**140.1E**±.21	**72**		**4**	**1-1**	
JMA	VI	09 07 27 02.0±.2	36.28N±.01	140.04E±.01	72±2				¶97vi1348
ISC	Poorly determined								
JMA	**VI**	**09 08 18 55.2**±.1	**36.32N**±.01	**140.64E**±.01	**85**±1				¶97vi1363
ISC	**VI**	**09 12 00 49**±1.4	**36.9N**±.14	**140.7E**±.27	**72**		**10**	**0-2**	
JMA	VI	09 12 00 48.9±.2	36.86N±.01	140.70E±.02	72±2				¶97vi1392
ISC	**VI**	**09 12 11 36**±2.2	**40.41N**±.050	**142.52E**±.095	**10**±18		**23**	**1-4**	
JMA	VI	09 12 11 38.1±.2	40.41N±.01	142.38E±.01	25±3	3.2			¶97vi1394
JMA	**VI**	**09 12 27 51.8**±.3	**39.42N**±.01	**142.16E**±.04	**83**±3				¶97vi1395
ISC	**VI**	**10 04 55 08**±2.6	**36.16N**±.085	**141.3E**±.27	**26**±18		**7**	**1-2**	
JMA	VI	10 04 55 07.9±.2	36.14N±.01	141.27E±.02	43±3	2.8			¶97vi1480
JMA	**VI**	**10 07 58 14.2**±.4	**35.90N**±.01	**141.49E**±.03	**19**±4	**2.9**			¶97vi1491
ISC	**VI**	**10 09 39 50**±1.9	**36.2N**±.21	**140.1E**±.20	**65**		**7**	**1-2**	
JMA	VI	10 09 39 50.1±.2	36.14N±.01	140.08E±.01	65±2				¶97vi1506
JMA	**VI**	**10 23 58 43.3**±.3	**36.14N**±.02	**140.04E**±.02	**66**±3				¶97vi1587
JMA	**VI**	**11 01 09 58.8**±.1	**36.32N**±.01	**140.68E**±.01	**80**±1				¶97vi1599
ISC	**VI**	**11 08 18 43**±1.1	**35.63N**±.086	**140.2E**±.13	**60**		**9**	**1-2**	
JMA	VI	11 08 18 43.5±.2	35.63N±.01	140.20E±.02	60±3	2.1			¶97vi1641
ISC	**VI**	**11 08 21 43**±4.4	**36.72N**±.058	**141.7E**±.10	**10**±34		**40**	**1-7**	
JMA	VI	11 08 21 44.2±.4	36.75N±.01	141.62E±.04	29	3.4			¶97vi1642
ISC	**VI**	**11 08 23 39**±3.8	**36.7N**±.19	**141.6E**±.35	**35**		**11**	**1-2**	
JMA	VI	11 08 23 37.9±.3	36.71N±.01	141.67E±.03	35	2.8			¶97vi1643
ISC	**VI**	**11 10 09 23**±3.5	**36.9N**±.15	**141.8E**±.30	**24**		**12**	**1-2**	
JMA	VI	11 10 09 23.5±.4	36.94N±.02	141.70E±.04	24	2.9			¶97vi1665
ISC	**VI**	**11 14 07 08**±2.6	**37.3N**±.12	**142.0E**±.26	**38**		**16**	**1-2**	
JMA	VI	11 14 07 08.4±.3	37.36N±.01	141.90E±.03	38	2.8			¶97vi1701
ISC	**VI**	**11 20 03 13**±1.0	**36.19N**±.064	**140.8E**±.10	**24**±11		**20**	**0-3**	
JMA	VI	11 20 03 13.0±.2	36.17N±.01	140.88E±.02	43±3	2.8			¶97vi1741
ISC	**VI**	**11 20 50 05**±2.9	**38.04N**±.092	**142.8E**±.29	**25**		**19**	**1-3**	
JMA	VI	11 20 50 04.5±.3	38.06N±.01	142.75E±.03	25	2.9			¶97vi1750
ISC	**VI**	**11 21 00 04**±1.8	**35.57N**±.074	**140.1E**±.12	**74**±23		**21**	**0-2**	
JMA	VI	11 21 00 04.2±.3	35.59N±.01	140.10E±.02	70±3				¶97vi1753
ISC	**VI**	**11 23 42 27**±1.0	**40.26N**±.074	**142.7E**±.13	**8**		**16**	**1-4**	
JMA	VI	11 23 42 27.5±.4	40.25N±.01	142.65E±.03	8±5	2.8			¶97vi1770
ISC	**VI**	**12 00 37 58.7**±.39	**36.48N**±.024	**141.16E**±.048	**49**±4.3	**4.0b**	**141**	**0-147**	
BJI	VI	12 00 37 56.8	36.18N	141.21E	57	4.5b			¶97vi1778
MOS	VI	12 00 37 57.0	36.3N	141.2E	33	4.7b			
NEIC	VI	12 00 37 57.8	36.35N	141.09E	42	4.3b			
JMA	VI	12 00 37 58.8±.2	36.44N±.01	141.02E±.02	43±4	4.2			
EIDC	VI	12 00 37 58.9	36.3N	141.0E	41	3.7b,4.4L			
ISC	**VI**	**12 01 37 36**±4.7	**36.4N**±.24	**141.1E**±.32	**29**±16		**14**	**0-3**	
JMA	VI	12 01 37 35.6±.3	36.42N±.01	141.03E±.03	44±3	3.1			¶97vi1786
ISC	**VI**	**12 07 48 33.4**±.71	**38.86N**±.056	**141.7E**±.12	**82**±12		**29**	**0-5**	
JMA	VI	12 07 48 34.8±.1	38.85N±.00	141.62E±.01	68±2				¶97vi1813
ISC	**VI**	**12 08 36 51**±2.5	**35.58N**±.090	**140.2E**±.15	**77**±31		**16**	**0-2**	
JMA	VI	12 08 36 51.2±.3	35.59N±.01	140.14E±.02	73±4				¶97vi1820
ISC	**VI**	**12 11 11 33**±3.7	**38.9N**±.42	**141.6E**±.72	**97**		**5**	**0-1**	
JMA	VI	12 11 11 33.1±.3	38.92N±.02	141.55E±.04	97±3				¶97vi1829
ISC	Poorly determined								
ISC	**VI**	**12 16 58 42**±2.2	**36.9N**±.12	**141.7E**±.19	**27**		**15**	**1-3**	
JMA	VI	12 16 58 40.9±.4	36.90N±.01	141.72E±.03	27	2.8			¶97vi1873
ISC	**VI**	**12 18 07 22**±3.9	**36.2N**±.15	**141.6E**±.44	**67**		**7**	**1-2**	
JMA	VI	12 18 07 21.9±.4	36.15N±.02	141.61E±.04	67				¶97vi1881
ISC	**VI**	**13 01 09 27.4**±.49	**38.67N**±.038	**141.10E**±.078	**15**		**18**	**0-2**	
JMA	VI	13 01 09 27.2±.0	38.65N±.00	141.10E±.00	15±1	3.0			¶97vi1915
JMA	**VI**	**13 01 35 43.1**±.5	**36.36N**±.04	**140.19E**±.03	**97**±4				¶97vi1920
ISC	**VI**	**13 02 28 31**±2.0	**35.31N**±.069	**141.0E**±.16	**42**±37		**15**	**0-3**	
JMA	VI	13 02 28 29.8±.4	35.31N±.02	140.95E±.03	57±4	3.1			¶97vi1924
ISC	**VI**	**13 04 43 58**±4.8	**38.8N**±.13	**142.2E**±.44	**32**±17		**11**	**1-1**	
JMA	VI	13 04 43 58.0±.2	38.76N±.01	142.11E±.03	41±3	3.0			¶97vi1932
ISC	**VI**	**13 06 13 09**±5.1	**36.9N**±.20	**141.9E**±.45	**27**		**11**	**1-2**	
JMA	VI	13 06 13 09.4±.4	36.96N±.01	141.83E±.03	27±4	2.8			¶97vi1941
ISC	**VI**	**13 09 02 44**±2.7	**36.6N**±.17	**141.4E**±.23	**32**		**16**	**1-3**	
JMA	VI	13 09 02 43.5±.4	36.59N±.01	141.43E±.03	32±5	2.9			¶97vi1959
ISC	**VI**	**13 11 23 54.4**±.68	**35.01N**±.043	**141.34E**±.070	**62**	**3.8b**	**65**	**0-66**	
EIDC	VI	13 11 23 51.3	35.0N	141.6E	0	3.8b,3.3L			¶97vi1977
JMA	VI	13 11 23 54.3±.4	35.03N±.02	141.21E±.04	62				
NEIC	VI	13 11 23 54.4	34.95N	141.40E	33	3.9b			
NEIC	Less reliable solution.								
ISC	**VI**	**13 14 11 02**±1.9	**36.1N**±.21	**140.0E**±.20	**67**		**5**	**1-1**	
JMA	VI	13 14 11 02.4±.2	36.11N±.01	140.00E±.01	67±2				¶97vi2001
ISC	**VI**	**13 18 24 33.8**±.43	**40.01N**±.030	**141.61E**±.069	**85**±8.7		**47**	**0-5**	
JMA	VI	13 18 24 34.3±.1	40.02N±.00	141.52E±.01	79±1				¶97vi2022
ISC	**VI**	**13 21 12 55**±2.1	**36.6N**±.12	**141.6E**±.18	**28**		**26**	**1-3**	
JMA	VI	13 21 12 53.7±.4	36.56N±.01	141.67E±.03	28±4	3.0			¶97vi2041
ISC	**VI**	**14 15 29 15**±1.4	**36.3N**±.17	**140.0E**±.17	**72**		**5**	**0-1**	
JMA	VI	14 15 29 15.1±.2	36.30N±.01	140.01E±.01	72±2				¶97vi2141
ISC	**VI**	**14 23 58 11**±1.3	**35.6N**±.13	**140.1E**±.21	**65**		**4**	**1-1**	
JMA	VI	14 23 58 11.1±.2	35.63N±.01	140.13E±.02	65±2				¶97vi2192
ISC	Poorly determined								
ISC	**VI**	**15 01 14 19**±2.1	**38.22N**±.068	**142.4E**±.24	**31**		**20**	**1-3**	
JMA	VI	15 01 14 17.7±.4	38.21N±.01	142.39E±.04	31	3.1			¶97vi2203
ISC	**VI**	**15 02 20 20**±1.7	**35.6N**±.12	**140.1E**±.19	**60**		**5**	**1-1**	
JMA	VI	15 02 20 19.9±.1	35.57N±.01	140.11E±.01	60±2	2.1			¶97vi2214
ISC	**VI**	**15 02 47 20.8**±.89	**35.94N**±.060	**140.9E**±.11	**26**±10		**23**	**0-4**	
JMA	VI	15 02 47 20.6±.2	35.94N±.01	140.87E±.03	36±3	2.9			¶97vi2220
ISC	**VI**	**15 02 54 09**±2.6	**38.93N**±.079	**141.1E**±.16	**84**±28		**12**	**0-2**	
JMA	VI	15 02 54 08.6±.1	38.93N±.01	141.12E±.01	87±2				¶97vi2222
ISC	**VI**	**15 03 18 20**±1.2	**34.9N**±.66	**140.2E**±.24	**67**		**7**	**0-2**	
JMA	VI	15 03 18 20.2±.5	35.02N±.04	140.22E±.03	67±5				¶97vi2227
ISC	Poorly determined								
ISC	**VI**	**15 04 35 08**±4.0	**37.9N**±.16	**141.6E**±.51	**86**±47		**11**	**1-2**	
JMA	VI	15 04 35 08.0±.2	37.95N±.01	141.59E±.03	82±4				¶97vi2238
ISC	**VI**	**15 05 01 56**±2.3	**35.9N**±.14	**141.0E**±.31	**22**±20		**6**	**0-2**	
JMA	VI	15 05 01 56.1±.3	35.86N±.02	140.99E±.03	27±3	3.1			¶97vi2243
ISC	**VI**	**15 16 14 06**±1.2	**36.49N**±.064	**141.2E**±.11	**24**±10		**24**	**0-3**	
JMA	VI	15 16 14 05.6±.2	36.51N±.01	141.15E±.02	43±4	3.0			¶97vi2327
ISC	**VI**	**15 16 15 32**±3.1	**35.5N**±.39	**140.2E**±.42	**90**±23	3.2b	**6**	**1-66**	
JMA	VI	15 16 15 34.8±.5	35.61N±.03	140.07E±.03	73±4				¶97vi2328
ISC	Poorly determined								
ISC	**VI**	**15 16 38 30**±1.9	**36.95N**±.093	**140.8E**±.16	**106**±21		**13**	**0-3**	
JMA	VI	15 16 38 31.5±.2	36.94N±.01	140.80E±.02	94±3				¶97vi2332
JMA	**VI**	**15 18 51 08.1**±.3	**38.27N**±.01	**141.82E**±.04	**79**±3				¶97vi2344
ISC	**VI**	**15 20 43 15**±1.5	**40.21N**±.074	**142.6E**±.13	**21**±16		**16**	**1-4**	
JMA	VI	15 20 43 16.8±.1	40.24N±.01	142.48E±.02	40±4	3.0			¶97vi2354
ISC	**VI**	**15 22 40 27**±1.0	**34.23N**±.076	**140.37E**±.098	**59**		**24**	**1-3**	
JMA	VI	15 22 40 27.2±.2	34.25N±.01	140.32E±.01	59±4	2.8			¶97vi2363
ISC	**VI**	**15 23 38 43**±2.6	**39.25N**±.072	**142.3E**±.28	**47**±32		**14**	**0-2**	
JMA	VI	15 23 38 42.9±.2	39.25N±.01	142.22E±.02	49±2	3.3			¶97vi2377
ISC	**VI**	**16 03 23 46**±3.8	**39.6N**±.10	**142.3E**±.30	**11**±15		**10**	**0-2**	
JMA	VI	16 03 23 47.5±.2	39.55N±.01	142.19E±.02	12±3	3.0			¶97vi2397
ISC	**VI**	**16 03 48 12.1**±.90	**34.91N**±.060	**140.33E**±.066	**75**±11		**38**	**0-5**	
JMA	VI	16 03 48 12.7±.1	34.90N±.01	140.23E±.01	70±2				¶97vi2402
ISC	**VI**	**16 06 15 25**±2.0	**38.81N**±.069	**141.7E**±.24	**68**±24		**13**	**0-2**	
JMA	VI	16 06 15 24.8±.1	38.81N±.01	141.65E±.02	66±2				¶97vi2410
ISC	**VI**	**16 17 45 36**±1.2	**36.37N**±.053	**140.35E**±.096	**112**±17		**27**	**0-3**	
JMA	VI	16 17 45 36.8±.2	36.36N±.01	140.32E±.02	100±2				¶97vi2496
ISC	**VI**	**16 22 58 00**±3.1	**39.75N**±.062	**142.4E**±.28	**22**±15		**16**	**0-3**	
JMA	VI	16 22 57 59.9±.1	39.75N±.00	142.41E±.01	34±2	2.9			¶97vi2522
ISC	**VI**	**17 00 15 42**±5.9	**35.5N**±.18	**140.3E**±.57	**64**		**9**	**1-2**	
JMA	VI	17 00 15 44.5±.3	35.60N±.01	140.07E±.02	64±3				¶97vi2526
ISC	**VI**	**17 00 54 11**±2.9	**38.82N**±.086	**141.7E**±.28	**120**±31		**13**	**0-2**	
JMA	VI	17 00 54 11.4±.2	38.82N±.01	141.66E±.03	110±2				¶97vi2535
ISC	**VI**	**17 02 06 26.7**±.98	**37.17N**±.056	**141.2E**±.12	**72**±13		**29**	**0-3**	
JMA	VI	17 02 06 26.5±.1	37.15N±.01	141.21E±.02	72±2				¶97vi2541
ISC	**VI**	**17 04 08 43**±6.0	**40.0N**±.15	**142.1E**±.56	**100**±42		**10**	**0-2**	
JMA	VI	17 04 08 43.7±.2	39.95N±.01	142.01E±.02	94±2				¶97vi2548
ISC	**VI**	**17 13 59 17**±2.4	**35.57N**±.087	**140.3E**±.16	**68**±32		**13**	**0-2**	
JMA	VI	17 13 59 17.1±.2	35.60N±.01	140.27E±.02	64±3				¶97vi2640
ISC	**VI**	**17 17 37 12**±1.2	**40.92N**±.045	**141.8E**±.11	**116**±21		**33**	**1-4**	
JMA	VI	17 17 37 13.0±.2	40.92N±.01	141.83E±.02	94±3				¶97vi2668
ISC	**VI**	**17 18 30 27**±1.4	**35.3N**±.22	**140.3E**±.21	**70**		**8**	**0-1**	
JMA	VI	17 18 30 27.2±.2	35.24N±.03	140.30E±.03	70				¶97vi2676
ISC	**VI**	**17 19 02 34**±8.7	**36.9N**±.27	**141.2E**±.81	**65**±47		**6**	**0-1**	
JMA	VI	17 19 02 35.8±.3	36.90N±.01	141.02E±.03	60±2	2.1			¶97vi2679
ISC	**VI**	**17 20 04 43**±1.0	**39.93N**±.090	**142.9E**±.13	**21**		**19**	**1-4**	
JMA	VI	17 20 04 43.0±.4	39.94N±.02	142.87E±.03	21±5	2.9			¶97vi2685
ISC	**VI**	**18 04 13 46**±2.3	**37.1N**±.13	**141.6E**±.21	**37**		**14**	**1-2**	
JMA	VI	18 04 13 45.9±.3	37.11N±.01	141.63E±.03	37±4	3.0			¶97vi2724
ISC	**VI**	**18 09 23 56**±1.6	**35.96N**±.066	**141.4E**±.12	**25**±14		**21**	**0-4**	
JMA	VI	18 09 23 55.5±.3	35.97N±.01	141.46E±.03	43	2.9			¶97vi2768
ISC	**VI**	**18 10 26 29**±4.3	**36.0N**±.40	**140.1E**±.27	**60**		**5**	**1-1**	
JMA	VI	18 10 26 29.5±.2	36.03N±.01	140.07E±.01	60±2	2.5			¶97vi2775
ISC	Poorly determined								
ISC	**VI**	**18 17 34 33**±1.0	**40.57N**±.033	**142.18E**±.075	**19**±12		**36**	**1-4**	
JMA	VI	18 17 34 33.6±.2	40.59N±.00	142.14E±.01	30±4	3.0			¶97vi2815
JMA	**VI**	**18 18 47 00.9**±.1	**36.52N**±.01	**140.41E**±.01	**61**±1	**1.6**			¶97vi2819
ISC	**VI**	**18 22 11 22**±1.7	**35.53N**±.061	**141.2E**±.14	**26**±11		**19**	**0-4**	
JMA	VI	18 22 11 22.6±.3	35.58N±.01	141.12E±.03	32±3	2.8			¶97vi2835
ISC	**VI**	**19 02 17 58**±7.8	**39.0N**±.21	**142.2E**±.52	**102**±59		**10**	**0-1**	
JMA	VI	19 02 18 00.3±.2	39.02N±.01	142.09E±.02	82±3				¶97vi2857
ISC	**VI**	**19 08 53 16**±2.0	**39.49N**±.076	**142.1E**±.29	**101**±18		**20**	**0-4**	
JMA	VI	19 08 53 17.3±.2	39.47N±.01	142.03E±.03	88±2				¶97vi2887
JMA	**VI**	**19 10 34 16.0**±.1	**38.93N**±.00	**141.41E**±.01	**99**±1				¶97vi2901
ISC	**VI**	**19 15 32 46.2**±.84	**36.01N**±.044	**141.07E**±.075	**91**±14		**62**	**0-8**	
JMA	VI	19 15 32 47.3±.2	36.05N±.01	140.97E±.02	78±2				¶97vi2934
JMA	**VI**	**19 19 48 31.8**±.3	**36.03N**±.02	**140.11E**±.02	**61**±3				¶97vi2951
ISC	**VI**	**19 20 15 53**±3.7	**36.9N**±.22	**141.0E**±.42	**89**±26		**8**	**0-2**	
JMA	VI	19 20 15 53.6±.3	36.92N±.02	140.98E±.04	85±3				¶97vi2953
JMA	**VI**	**20 01 22 09.7**±.2	**36.61N**±.01	**140.05E**±.01	**83**±2				¶97vi2985
ISC	**VI**	**20 03 30 56**±3.0	**40.7N**±.18	**141.7E**±.82	**105**		**8**	**1-2**	
JMA	VI	20 03 30 56.8±.2	40.63N±.01	141.64E±.06	105				¶97vi3003
ISC	**VI**	**20 04 29 06**±1.5	**34.57N**±.068	**140.3E**±.12	**49**±27		**21**	**0-3**	
JMA	VI	20 04 29 05.6±.2	34.56N±.01	140.35E±.01	56±3	3.1			¶97vi3013
ISC	**VI**	**20 08 37 59**±3.9	**37.8N**±.23	**141.5E**±.48	**87**±39		**10**	**1-2**	
JMA	VI	20 08 37 59.9±.2	37.79N±.01	141.48E±.04	82±4				¶97vi3032
ISC	**VI**	**20 10 21 38.2**±.72	**34.36N**±.064	**140.05E**±.070	**45**		**17**	**1-3**	
JMA	VI	20 10 21 38.0±.2	34.38N±.01	140.00E±.01	45±5	2.8			¶97vi3039
ISC	**VI**	**20 12 48 53**±2.9	**36.6N**±.16	**141.4E**±.25	**39**		**16**	**1-64**	
JMA	VI	20 12 48 53.2±.3	36.67N±.01	141.38E±.03	39±4	3.0			¶97vi3060
JMA	**VI**	**20 13 04 01.5**±.5	**36.40N**±.02	**141.14E**±.05	**32**	**2.8**			¶97vi3062
ISC	**VI**	**20 15 10 11.5**±.53	**38.89N**±.033	**142.71E**±.067	**23**	**3.7b**	**59**	**1-68**	
JMA	VI	20 15 10 11.8±.4	38.93N±.01	142.55E±.03	23±4	3.7			¶97vi3075
EIDC	VI	20 15 10 12.8	38.3N	142.9E	0	3.6b,3.3L			
NEIC	VI	20 15 10 15.5	38.37N	142.79E	33				
NEIC	Less reliable solution.								
ISC	**VI**	**20 18 03 17**±1.7	**34.52N**±.095	**140.2E**±.13	**51**±36		**15**	**0-3**	
JMA	VI	20 18 03 15.9±.3	34.55N±.02	140.20E±.02	62±5				¶97vi3092
ISC	**VI**	**20 20 14 44**±2.3	**36.39N**±.089	**141.1E**±.20	**31**±16		**8**	**0-2**	
JMA	VI	20 20 14 44.1±.2	36.39N±.01	141.00E±.02	39±4	2.9			¶97vi3107
JMA	**VI**	**21 06 27 19.9**±.3	**36.60N**±.01	**141.20E**±.03	**42**±4	**3.1**			¶97vi3165
ISC	**VI**	**21 08 12 38.4**±.99	**36.09N**±.081	**140.1E**±.11	**59**±21		**20**	**1-3**	
JMA	VI	21 08 12 38.0±.1	36.09N±.01	140.10E±.01	67±1				¶97vi3183
JMA	**VI**	**21 13 24 07.3**±.2	**36.33N**±.01	**140.54E**±.02	**87**±2				¶97vi3226
ISC	**VI**	**21 16 46 15**±2.4	**35.64N**±.089	**140.2E**±.13	**79**±30		**13**	**0-2**	
JMA	VI	21 16 46 15.7±.3	35.64N±.01	140.11E±.02	74±4				¶97vi3247
JMA	**VI**	**21 17 34 12.6**±.2	**36.75N**±.01	**140.42E**±.01	**102**±2				¶97vi3257
JMA	**VI**	**21 19 06 36.7**±.2	**35.96N**±.01	**140.24E**±.02	**63**±2				¶97vi3268
JMA	**VI**	**21 22 43 32.1**±.4	**40.87N**±.04	**141.59E**±.02	**127**				¶97vi3283
ISC	**VI**	**22 02 47 49**±1.7	**38.90N**±.071	**141.3E**±.19	**75**±21		**12**	**0-2**	
JMA	VI	22 02 47 48.9±.1	38.89N±.00	141.34E±.01	77±1				¶97vi3314

JMA	**VI**	**22 11 57 22.6**±.2	**34.82N**±.03	**140.11E**±.03	**67**			¶97vi3379
ISC	**VI**	**22 19 16 38**±2.4	**38.09N**±.097	**141.2E**±.30	**74**±34		**10**	**0-2**
JMA	VI	22 19 16 38.6±.1	38.09N±.01	141.26E±.02	71±2			¶97vi3422
ISC	**VI**	**22 20 29 59**±4.0	**37.6N**±.19	**141.3E**±.40	**94**±43		**10**	**0-2**
JMA	VI	22 20 29 59.7±.2	37.60N±.01	141.28E±.03	87±3			¶97vi3433
ISC	**VI**	**22 21 31 39**±1.5	**34.9N**±.48	**140.1E**±.17	**65**		**5**	**0-1**
JMA	VI	22 21 31 39.3±.2	34.88N±.02	140.04E±.01	65±2			¶97vi3442
ISC	Poorly determined							
JMA	**VI**	**22 21 47 26.5**±.3	**36.93N**±.03	**140.78E**±.08	**91**			¶97vi3445
ISC	**VI**	**22 22 14 30.5**±.64	**35.83N**±.036	**140.78E**±.064	**23**±7.6		**46**	**0-4**
JMA	VI	22 22 14 30.1±.2	35.84N±.01	140.80E±.03	29±3	3.3		¶97vi3448
ISC	**VI**	**22 22 36 26**±1.2	**36.51N**±.071	**140.9E**±.11	**48**±25		**23**	**0-3**
JMA	VI	22 22 36 25.5±.2	36.52N±.01	140.91E±.02	48±3	3.0		¶97vi3451
JMA	**VI**	**23 00 52 53.9**±.3	**36.15N**±.02	**140.10E**±.02	**62**±3			¶97vi3467
JMA	**VI**	**23 11 57 37.0**±.2	**36.03N**±.01	**140.15E**±.01	**93**±2			¶97vi3523
ISC	**VI**	**23 15 47 48**±1.7	**37.77N**±.089	**141.7E**±.22	**86**±24		**20**	**1-3**
JMA	VI	23 15 47 48.5±.1	37.78N±.01	141.71E±.02	80±3			¶97vi3553
ISC	**VI**	**23 15 49 04**±1.2	**38.9N**±.25	**141.4E**±.79	**108**		**6**	**0-1**
JMA	VI	23 15 49 04.4±.5	38.93N±.02	141.46E±.06	108±4			¶97vi3554
ISC	Poorly determined							
ISC	**VI**	**23 17 42 09**±2.6	**35.6N**±.11	**140.2E**±.14	**74**±37		**14**	**0-2**
JMA	VI	23 17 42 09.7±.3	35.63N±.01	140.20E±.02	65±3			¶97vi3569
ISC	**VI**	**24 00 41 53.0**±.45	**40.36N**±.030	**142.17E**±.082	**44**±30		**43**	**0-4**
JMA	VI	24 00 41 53.0±.1	40.36N±.01	142.09E±.02	48±4	3.5		¶97vi3613
JMA	**VI**	**24 04 48 24.2**±.3	**36.07N**±.02	**140.18E**±.02	**70**±3			¶97vi3641
ISC	**VI**	**24 12 17 11**±1.8	**36.4N**±.11	**140.8E**±.17	**98**±21		**16**	**0-3**
JMA	VI	24 12 17 13.1±.1	36.40N±.00	140.71E±.01	79±2			¶97vi3708
ISC	**VI**	**24 14 06 32**±2.3	**37.9N**±.37	**141.0E**±.70	**117**		**5**	**0-1**
JMA	VI	24 14 06 31.3±.5	37.91N±.02	141.05E±.05	117±4			¶97vi3722
ISC	Poorly determined							
ISC	**VI**	**25 04 19 19**±2.2	**36.0N**±.11	**141.3E**±.21	**37**		**19**	**0-4**
JMA	VI	25 04 19 19.3±.4	36.05N±.02	141.22E±.04	37±4	3.0		¶97vi3845
ISC	**VI**	**25 10 23 24**±3.9	**37.4N**±.15	**141.2E**±.39	**90**±35		**11**	**0-2**
JMA	VI	25 10 23 23.8±.3	37.36N±.02	141.21E±.04	84±3			¶97vi3902
ISC	**VI**	**25 14 58 34**±4.7	**36.2N**±.17	**141.3E**±.37	**61**±52		**9**	**1-3**
JMA	VI	25 14 58 33.6±.2	36.21N±.01	141.26E±.02	62±3			¶97vi3968
ISC	**VI**	**26 00 23 05.9**±.69	**35.84N**±.044	**140.25E**±.059	**131**±9.8		**59**	**0-9**
JMA	VI	26 00 23 07.9±.2	35.85N±.01	140.14E±.01	106±2			¶97vi4055
ISC	**VI**	**26 12 43 49.6**±.93	**34.83N**±.051	**140.12E**±.068	**62**±12		**28**	**0-3**
JMA	VI	26 12 43 49.4±.1	34.84N±.01	140.09E±.01	65±2			¶97vi4141
ISC	**VI**	**26 14 35 43**±2.1	**35.25N**±.092	**140.2E**±.12	**79**±23		**21**	**0-2**
JMA	VI	26 14 35 43.1±.2	35.26N±.01	140.15E±.01	79±2			¶97vi4158
ISC	**VI**	**26 14 49 59.1**±.44	**40.61N**±.031	**142.77E**±.072	**29**		**43**	**1-5**
JMA	VI	26 14 49 59.2±.1	40.63N±.01	142.63E±.02	29	3.3		¶97vi4159
ISC	**VI**	**26 18 28 13**±1.0	**36.13N**±.065	**140.94E**±.096	**27**±12		**30**	**0-4**
JMA	VI	26 18 28 12.2±.2	36.11N±.01	140.93E±.02	44±3	3.1		¶97vi4186
JMA	**VI**	**26 21 04 37.0**±.3	**36.11N**±.02	**140.08E**±.02	**65**±3			¶97vi4202
ISC	**VI**	**26 21 35 33.6**±.41	**36.75N**±.025	**141.41E**±.053	**52**±4.8	**3.9b**	**118**	**1-147**
JMA	VI	26 21 35 33.4±.2	36.73N±.01	141.31E±.02	40±4	4.1		¶97vi4203
NEIC	VI	26 21 35 33.5	36.69N	141.27E	47			
EIDC	VI	26 21 35 35.5	36.6N	141.3E	47	3.7b,3.7L		
MOS	VI	26 21 35 35.6	36.6N	141.1E	69	4.5b		
NEIC	Less reliable solution.							
ISC	**VI**	**27 08 47 14**±2.3	**36.7N**±.13	**141.4E**±.22	**35**		**17**	**1-3**
JMA	VI	27 08 47 13.3±.4	36.65N±.02	141.45E±.03	35	2.9		¶97vi4262
ISC	**VI**	**27 09 56 15**±2.8	**36.6N**±.21	**141.2E**±.26	**87**		**17**	**0-3**
JMA	VI	27 09 56 16.3±.2	36.63N±.01	141.02E±.02	87±3			¶97vi4274
ISC	**VI**	**27 13 15 27**±2.8	**36.4N**±.11	**140.6E**±.14	**98**±30		**13**	**0-3**
JMA	VI	27 13 15 27.2±.3	36.36N±.01	140.57E±.02	91±3			¶97vi4299
ISC	**VI**	**27 14 35 32**±8.0	**36.4N**±.75	**140.6E**±.72	**64**		**5**	**0-2**
JMA	VI	27 14 35 31.6±.2	36.34N±.01	140.58E±.02	64±2			¶97vi4309
ISC	Poorly determined							
ISC	**VI**	**27 15 53 36.9**±.86	**35.63N**±.053	**140.14E**±.061	**73**±14		**39**	**0-5**
JMA	VI	27 15 53 36.7±.2	35.66N±.01	140.10E±.02	72±3			¶97vi4321
JMA	**VI**	**27 18 37 38.1**±.1	**36.17N**±.00	**140.04E**±.00	**64**±1			¶97vi4348
ISC	**VI**	**27 22 05 30**±2.6	**36.8N**±.14	**141.8E**±.23	**39**		**22**	**1-3**
JMA	VI	27 22 05 29.2±.3	36.75N±.01	141.77E±.03	39	3.0		¶97vi4372
ISC	**VI**	**28 05 04 11**±1.3	**39.63N**±.077	**142.3E**±.16	**50**±24		**17**	**0-5**
JMA	VI	28 05 04 12.5±.1	39.63N±.00	142.11E±.01	49±1	2.9		¶97vi4421
ISC	**VI**	**28 05 59 02**±1.5	**36.1N**±.10	**140.9E**±.21	**28**±16		**7**	**0-2**
JMA	VI	28 05 59 01.9±.2	36.13N±.01	140.89E±.02	36±4	2.9		¶97vi4430
ISC	**VI**	**28 07 35 20**±4.5	**37.0N**±.24	**141.1E**±.50	**94**±38		**6**	**0-2**
JMA	VI	28 07 35 21.1±.3	36.97N±.02	141.04E±.04	86±3			¶97vi4444
ISC	**VI**	**28 09 36 31.8**±.31	**35.57N**±.026	**140.19E**±.047	**76**±4.4	**3.6b**	**86**	**0-83**
NEIC	VI	28 09 36 31.1	35.62N	140.23E	67			¶97vi4454
JMA	VI	28 09 36 31.8±.2	35.56N±.01	140.11E±.01	77±2	3.3		
EIDC	VI	28 09 36 32.3	35.7N	140.2E	60	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**28 09 38 42**±5.8	**35.5N**±.16	**140.2E**±.30	**86**±59		**10**	**1-1**
JMA	VI	28 09 38 43.4±.3	35.55N±.01	140.13E±.02	70±3			¶97vi4455
JMA	**VI**	**28 15 26 46.3**±.4	**35.32N**±.02	**140.31E**±.02	**61**±3			¶97vi4497
ISC	**VI**	**28 18 45 16.2**±.52	**37.51N**±.032	**141.79E**±.072	**43**±7.8	**3.8b**	**73**	**1-146**
EIDC	VI	28 18 45 12.6	37.6N	141.8E	0	3.8b,3.3L		¶97vi4513
NEIC	VI	28 18 45 15.1	37.43N	141.87E	33			
JMA	VI	28 18 45 16.4±.2	37.50N±.01	141.63E±.02	45±4	3.8		
NEIC	Less reliable solution.							
ISC	**VI**	**28 21 48 48**±1.0	**35.2N**±.20	**140.3E**±.21	**65**		**8**	**0-1**
JMA	VI	28 21 48 47.5±.5	35.29N±.02	140.25E±.02	65±5			¶97vi4530
ISC	**VI**	**28 23 04 02.0**±.61	**36.27N**±.034	**140.08E**±.055	**47**±25		**36**	**1-3**
JMA	VI	28 23 04 01.5±.1	36.25N±.01	140.07E±.01	55±2	3.2		¶97vi4538
ISC	**VI**	**29 01 57 16**±3.6	**37.6N**±.19	**141.6E**±.41	**71**±40		**10**	**1-2**
JMA	VI	29 01 57 17.0±.2	37.66N±.01	141.52E±.04	70±4			¶97vi4551
JMA	**VI**	**29 03 48 35.8**±.5	**36.21N**±.02	**141.70E**±.04	**44**	**3.0**		¶97vi4563
ISC	**VI**	**29 07 00 58**±2.6	**38.37N**±.092	**142.6E**±.26	**12**		**12**	**1-2**
JMA	VI	29 07 00 57.1±.3	38.34N±.01	142.65E±.02	12	2.9		¶97vi4581
ISC	**VI**	**29 08 43 04**±2.6	**38.89N**±.087	**141.4E**±.25	**94**±28		**11**	**0-2**
JMA	VI	29 08 43 03.3±.2	38.87N±.01	141.46E±.03	99±2			¶97vi4592
ISC	**VI**	**29 10 13 03.7**±.68	**34.87N**±.042	**140.02E**±.053	**51**±13		**40**	**0-3**
JMA	VI	29 10 13 03.3±.1	34.87N±.01	139.98E±.01	56±2	3.4		¶97vi4609
ISC	**VI**	**29 11 36 43**±1.8	**36.27N**±.080	**141.3E**±.17	**23**±13		**15**	**1-3**
JMA	VI	29 11 36 43.5±.3	36.28N±.01	141.25E±.03	41±5	3.0		¶97vi4619
JMA	**VI**	**29 23 06 38.6**±.3	**35.99N**±.02	**140.15E**±.02	**64**±3			¶97vi4678
ISC	**VI**	**30 02 01 50**±2.1	**36.13N**±.088	**140.1E**±.11	**51**±52		**12**	**1-2**
JMA	VI	30 02 01 49.6±.1	36.10N±.01	140.06E±.01	64±1			¶97vi4699
ISC	**VI**	**30 02 57 31.2**±.29	**35.55N**±.024	**140.26E**±.037	**73**±3.9	**4.0b**	**132**	**0-148**
NEIC	VI	30 02 57 29.5	35.50N	140.37E	55	4.3b		¶97vi4701
BJI	VI	30 02 57 30.2	35.38N	140.27E	71	4.6b		
JMA	VI	30 02 57 31.3±.1	35.56N±.01	140.15E±.01	75±2	3.8		
EIDC	VI	30 02 57 31.4	35.5N	140.2E	57	3.7b		
MOS	VI	30 02 57 31.8	35.6N	140.1E	64	4.8b		
NEIC	Less reliable solution.							
ISC	**VI**	**30 02 59 54**±3.0	**35.58N**±.085	**140.1E**±.12	**82**±39		**13**	**0-1**
JMA	VI	30 02 59 54.6±.3	35.59N±.01	140.08E±.02	68±3			¶97vi4702
ISC	**VI**	**30 04 01 10**±2.2	**35.6N**±.22	**140.3E**±.46	**63**		**5**	**1-1**
JMA	VI	30 04 01 10.5±.2	35.60N±.01	140.21E±.02	63±2			¶97vi4704
ISC	Poorly determined							
ISC	**VI**	**30 05 13 05**±2.3	**37.1N**±.16	**141.1E**±.31	**93**±19		**11**	**0-2**
JMA	VI	30 05 13 05.3±.2	37.12N±.01	141.01E±.03	88±2			¶97vi4712
ISC	**VI**	**30 05 38 39**±3.2	**35.6N**±.11	**140.1E**±.18	**72**±45		**10**	**1-2**
JMA	VI	30 05 38 39.3±.2	35.56N±.01	140.12E±.02	62±3			¶97vi4714
ISC	**VI**	**30 06 30 30**±1.6	**35.54N**±.074	**140.16E**±.091	**70**±22		**23**	**0-2**
JMA	VI	30 06 30 29.6±.2	35.56N±.01	140.13E±.02	69±2			¶97vi4718
ISC	**VI**	**30 08 54 06.1**±.70	**36.01N**±.053	**140.32E**±.066	**40**±36		**35**	**1-5**
JMA	VI	30 08 54 05.8±.1	36.00N±.01	140.27E±.01	45±2	3.2		¶97vi4734
ISC	**VI**	**30 08 54 56.0**±.86	**35.99N**±.066	**140.27E**±.079	**26**±11		**17**	**1-2**
JMA	VI	30 08 54 55.8±.1	35.97N±.01	140.27E±.01	45±2	3.2		¶97vi4735
ISC	**VI**	**30 13 49 11.8**±.44	**40.38N**±.035	**142.26E**±.095	**38**±41		**38**	**1-5**
JMA	VI	30 13 49 11.7±.1	40.39N±.01	142.18E±.01	41±3	3.4		¶97vi4767
ISC	**VI**	**30 15 02 59.3**±.85	**35.55N**±.046	**140.20E**±.060	**74**±14		**41**	**0-4**
JMA	VI	30 15 02 59.3±.2	35.56N±.01	140.14E±.01	70±2	2.6		¶97vi4777
ISC	**VI**	**30 15 22 09**±4.0	**37.9N**±.21	**141.6E**±.79	**63**±49		**7**	**1-2**
JMA	VI	30 15 22 09.2±.1	37.89N±.01	141.59E±.03	61±3			¶97vi4781
ISC	**VI**	**30 17 25 41.6**±.73	**36.21N**±.043	**140.97E**±.086	**36**	3.3b	**35**	**1-65**
JMA	VI	30 17 25 41.0±.2	36.21N±.01	140.93E±.03	36±3	3.4		¶97vi4798
ISC	**VI**	**30 19 11 39**±1.4	**36.52N**±.063	**140.8E**±.12	**53**±22		**18**	**0-2**
JMA	VI	30 19 11 38.6±.2	36.51N±.01	140.72E±.02	56±2	2.9		¶97vi4811
ISC	**VI**	**30 19 12 23**±2.7	**34.59N**±.098	**140.4E**±.15	**65**±34		**18**	**0-2**
JMA	VI	30 19 12 23.1±.3	34.58N±.01	140.34E±.02	61±4			¶97vi4812
ISC	**VI**	**30 21 17 05**±4.5	**37.9N**±.22	**141.6E**±.85	**81**		**6**	**1-1**
JMA	VI	30 21 17 05.2±.2	37.91N±.01	141.56E±.04	81			¶97vi4823
ISC	Poorly determined							
ISC	**VI**	**30 23 29 00**±2.5	**35.58N**±.055	**141.3E**±.17	**10**±14		**16**	**0-3**
JMA	VI	30 23 29 01.7±.3	35.61N±.01	141.15E±.03	24±3	2.8		¶97vi4841
ISC	**VI**	**30 23 45 25**±2.6	**40.2N**±.10	**142.0E**±.29	**103**±31		**17**	**0-4**
JMA	VI	30 23 45 26.2±.2	40.16N±.01	141.98E±.02	93±2			¶97vi4846

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ISC	**I**	**02 16 55 00**±8.0	**37.8N**±.27	**142.6E**±.74	**37**		**9**	**1-2**
JMA	I	02 16 54 59.9±.4	37.82N±.02	142.59E±.04	37	2.8		¶97i0250
JMA	**I**	**03 11 59 35.4**±.8	**34.19N**±.06	**141.36E**±.08	**34**	**2.8**		¶97i0367
ISC	**I**	**04 16 23 04**±2.9	**40.0N**±.18	**144.9E**±.33	**31**		**15**	**2-4**
JMA	I	04 16 23 08.7±.2	40.02N±.01	144.61E±.02	31	2.9		¶97i0554
ISC	**I**	**05 12 06 48**±9.7	**34.2N**±.66	**141.6E**±.36	**28**		**16**	**1-5**
JMA	I	05 12 06 50.8±.4	34.32N±.02	141.41E±.03	28±3	3.0		¶97i0666
ISC	**I**	**05 18 07 16.0**±.60	**37.06N**±.041	**142.09E**±.091	**89**±18		**60**	**1-7**
JMA	I	05 18 07 17.8±.1	37.08N±.01	141.91E±.02	64±4			¶97i0696
ISC	**I**	**05 20 41 59**±2.4	**34.24N**±.076	**141.59E**±.099	**16**±17	**3.4b**	**58**	**1-54**
NEIC	I	05 20 41 58.8	34.20N	141.55E	15			¶97i0710
EIDC	I	05 20 41 58.9	34.3N	141.5E	0	3.5b,2.8L		
JMA	I	05 20 42 01.6±.4	34.26N±.01	141.39E±.03	35±4	3.5		
NEIC	Less reliable solution.							
ISC	**I**	**06 22 28 55**±6.5	**37.5N**±.23	**142.1E**±.54	**10**		**6**	**1-2**
JMA	I	06 22 28 54.0±.4	37.47N±.02	142.20E±.03	10	2.9		¶97i0842
ISC	**I**	**07 06 13 22**±1.6	**34.09N**±.083	**141.8E**±.12	**35**±12	**4.0b**	**44**	**1-85**
NEIC	I	07 06 13 18.7	34.02N	141.88E	10			¶97i0887
JMA	I	07 06 13 22.4±.5	34.15N±.02	141.73E±.05	43	3.5		
EIDC	I	07 06 13 30.3	33.1N	135.4E	0	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**07 14 53 30.7**±.65	**40.51N**±.035	**143.89E**±.086	**11**		**49**	**2-6**
JMA	I	07 14 53 33.7±.3	40.52N±.01	143.86E±.02	11±4	3.4		¶97i0938
ISC	**I**	**07 15 04 02**±7.4	**39.6N**±.18	**143.2E**±.64	**0**		**8**	**1-2**
JMA	I	07 15 04 06.5±.3	39.59N±.01	143.09E±.03	0	2.8		¶97i0941
ISC	**I**	**07 20 09 19**±1.6	**40.02N**±.024	**143.49E**±.060	**14**±10	**4.2b**,4.9s	**121**	**1-87**
BJI	I	07 20 09 14.8	39.96N	144.16E	26	4.2b,4.4s		¶97i0972
EIDC	I	07 20 09 18.6	40.0N	143.4E	0	4.0b,3.8L		
NEIC	I	07 20 09 20.7	40.03N	143.34E	26	4.7b		
MOS	I	07 20 09 20.8	40.1N	143.3E	28	4.6b		
JMA	I	07 20 09 21.3±.1	40.03N±.01	143.36E±.02	7	4.1		
ISC	**I**	**07 20 22 24**±8.0	**40.1N**±.17	**143.3E**±.76	**0**		**8**	**1-2**
JMA	I	07 20 22 25.3±.6	40.14N±.02	143.44E±.06	0	2.9		¶97i0973
ISC	**I**	**08 02 34 38**±3.1	**40.05N**±.035	**143.45E**±.083	**10**±22	**3.7b**	**56**	**1-70**
EIDC	I	08 02 34 38.1	40.0N	143.6E	0	3.6b,3.1L		¶97i1009
NEIC	I	08 02 34 40.7	39.93N	143.57E	33			
JMA	I	08 02 34 41.4±.2	40.13N±.01	143.23E±.02	0	3.6		
NEIC	Less reliable solution.							
ISC	**I**	**08 04 18 35**±1.2	**40.10N**±.076	**143.4E**±.13	**9**		**17**	**1-4**
JMA	I	08 04 18 38.4±.3	40.14N±.02	143.26E±.03	9	3.2		¶97i1020
ISC	**I**	**09 05 27 48**±2.2	**36.8N**±.14	**143.5E**±.17	**39**		**26**	**2-7**
JMA	I	09 05 27 52.6±.3	36.95N±.01	143.02E±.02	39	3.1		¶97i1173
ISC	**I**	**09 13 44 45**±2.4	**39.2N**±.11	**145.1E**±.24	**14**		**26**	**3-5**
JMA	I	09 13 44 51.2±.4	39.29N±.02	144.76E±.03	14	3.1		¶97i1226
JMA	**I**	**09 21 24 44.7**±.8	**34.21N**±.05	**141.45E**±.04	**46**	**2.8**		¶97i1277
ISC	**I**	**10 04 50 53**±2.9	**33.9N**±.21	**141.8E**±.14	**51**		**39**	**1-10**
JMA	I	10 04 51 01.6±.5	34.30N±.03	141.18E±.04	51±5	3.5		¶97i1312
ISC	**I**	**10 08 31 04**±4.8	**33.2N**±.28	**143.0E**±.30	**64**		**27**	**2-7**
JMA	I	10 08 31 10.1±.6	33.46N±.03	142.55E±.05	64			¶97i1333
ISC	**I**	**10 09 47 40**±2.7	**33.74N**±.055	**141.66E**±.066	**19**±24	**3.6b**	**67**	**1-80**
NEIC	I	10 09 47 42.6	33.74N	141.51E	33			¶97i1341
JMA	I	10 09 47 43.7±.3	33.78N±.01	141.35E±.02	65±5			
EIDC	I	10 09 47 44.3	33.8N	141.5E	30	3.5b,3.7L		
NEIC	Less reliable solution.							
ISC	**I**	**10 17 03 01**±1.5	**37.38N**±.034	**143.27E**±.069	**20**±13	**3.7b**	**94**	**2-72**
JMA	I	10 17 03 03.2±.2	37.41N±.01	143.06E±.02	38	3.8		¶97i1396
NEIC	I	10 17 03 03.6	37.38N	143.13E	33			
EIDC	I	10 17 03 07.0	37.3N	143.0E	40	3.4b,3.3L		
ISC	**I**	**11 09 29 42**±1.1	**39.74N**±.065	**143.9E**±.12	**5**		**30**	**2-4**
JMA	I	11 09 29 45.4±.3	39.78N±.01	143.82E±.02	5±4	3.1		¶97i1501
ISC	**I**	**11 13 34 27.0**±.73	**40.86N**±.053	**143.2E**±.10	**63**		**22**	**1-3**
JMA	I	11 13 34 29.0±.2	40.86N±.01	143.14E±.03	63			¶97i1527
ISC	**I**	**13 11 37 19.2**±.60	**34.44N**±.033	**141.41E**±.044	**35**±4.4	**4.7b**	**232**	**0-93**
EIDC	I	13 11 37 15.9	34.3N	141.3E	0	4.5b,3.9L		¶97i1832
BJI	I	13 11 37 18.8	34.47N	141.12E	37	4.6b,4.4s		
JMA	I	13 11 37 19.8±.4	34.36N±.02	141.26E±.03	52±5	4.2		
NEIC	I	13 11 37 20.3	34.36N	141.10E	40	5.0b		
MOS	I	13 11 37 21.0	34.4N	141.1E	43	5.3b		
ISC	**I**	**13 18 58 04.9**±.35	**37.15N**±.024	**143.18E**±.043	**36**±2.4*	**4.5b,4.7s**	**219**	**2-145**
JMA	I	13 18 58 01.5±.2	37.11N±.01	143.40E±.02	34	4.1		¶97i1888
BJI	I	13 18 58 04.9	37.16N	143.08E	31	4.8b,4.7s		
NEIC	I	13 18 58 05.4	37.06N	143.09E	36	4.7b		
MOS	I	13 18 58 05.8	37.2N	143.2E	33	5.3b,4.8s		
EIDC	I	13 18 58 06.0	36.9N	143.2E	31	3.8b,3.7L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**13 22 50 13**±1.5	**34.38N**±.089	**141.4E**±.12	**49**±11	**3.8b**	**49**	**0-73**
EIDC	I	13 22 50 06.8	34.3N	141.7E	0	3.9b,3.0L		¶97i1905
JMA	I	13 22 50 15.0±.5	34.42N±.02	141.20E±.05	44±4	3.5		
ISC	**I**	**14 06 20 56.1**±.96	**34.36N**±.030	**141.52E**±.041	**19**±6.4	**4.7b,3.7s**	**211**	**1-148**
BJI	I	14 06 20 57.3	34.32N	141.10E	30	4.6b,4.2s		¶97i1964
MOS	I	14 06 20 58.8	34.3N	141.1E	33	5.2b		
NEIC	I	14 06 20 58.9	34.32N	141.23E	33	5.0b		
EIDC	I	14 06 20 59.4	34.3N	141.1E	26	4.2b,4.0L		
JMA	I	14 06 21 00.0±.4	34.36N±.02	141.21E±.04	47	4.3		
ISC	**I**	**15 01 58 31**±3.3	**37.1N**±.16	**142.0E**±.30	**31**		**14**	**1-3**
JMA	I	15 01 58 31.8±.3	37.17N±.02	141.91E±.03	31	3.0		¶97i2084
ISC	**I**	**15 09 36 25**±1.7	**37.81N**±.061	**142.4E**±.19	**18**		**26**	**1-4**
JMA	I	15 09 36 22.9±.3	37.74N±.01	142.49E±.02	18±4	3.3		¶97i2130
JMA	**I**	**16 12 30 51.7**±.3	**33.20N**±.02	**141.12E**±.03	**91**±4			¶97i2311
JMA	**I**	**18 03 02 45.3**±.3	**39.64N**±.02	**143.61E**±.03	**0**	**3.0**		¶97i2590
ISC	**I**	**19 23 20 37**±8.4	**37.8N**±.13	**142.1E**±.72	**10**		**7**	**1-2**
JMA	I	19 23 20 37.6±.5	37.80N±.01	142.06E±.04	10	2.8		¶97i2904
ISC	**I**	**20 19 10 36**±1.1	**34.17N**±.034	**141.71E**±.045	**21**±7.7	**4.2b**	**165**	**1-148**
BJI	I	20 19 10 37.2	33.98N	141.18E	21	4.3b		¶97i3066
JMA	I	20 19 10 38.3±.3	34.17N±.01	141.55E±.03	57±5	4.2		
NEIC	I	20 19 10 38.9	34.14N	141.36E	33	4.7b		
MOS	I	20 19 10 39.4	34.3N	141.4E	33	4.9b		
EIDC	I	20 19 10 39.8	34.1N	141.3E	28	4.0b,3.8L		
ISC	**I**	**21 05 27 57**±6.3	**37.1N**±.23	**142.2E**±.59	**44**		**9**	**1-2**
JMA	I	21 05 27 56.6±.4	37.14N±.02	142.21E±.03	44	2.8		¶97i3146
ISC	**I**	**21 06 24 04.6**±.52	**37.42N**±.034	**143.20E**±.061	**42**	**3.9b**	**75**	**2-89**
EIDC	I	21 06 24 01.7	37.3N	143.3E	0	3.8b,3.6L		¶97i3149
JMA	I	21 06 24 03.5±.2	37.39N±.01	143.19E±.02	42	3.8		
NEIC	I	21 06 24 04.6	37.36N	143.16E	33	4.3b		
BJI	I	21 06 24 07.4	37.53N	142.15E	5	4.4b		
NEIC	Less reliable solution.							
ISC	**I**	**21 21 39 52**±8.7	**37.7N**±.23	**142.2E**±.82	**22**		**7**	**1-2**
JMA	I	21 21 39 51.2±.3	37.70N±.01	142.27E±.02	22	2.9		¶97i3236
ISC	**I**	**21 23 55 46**±4.4	**37.7N**±.20	**142.4E**±.38	**14**		**11**	**1-2**
JMA	I	21 23 55 46.5±.4	37.69N±.02	142.40E±.04	14	3.0		¶97i3248
ISC	**I**	**22 13 36 43.4**±.86	**36.18N**±.040	**142.07E**±.093	**30**	**3.5b**	**62**	**1-78**
JMA	I	22 13 36 43.1±.3	36.20N±.01	142.02E±.03	30	3.6		¶97i3337
EIDC	I	22 13 36 47.3	36.4N	141.4E	0	3.5b,2.8L		
NEIC	I	22 13 36 49.9	36.43N	141.41E	33			
NEIC	Less reliable solution.							
ISC	**I**	**22 13 40 05**±2.2	**36.2N**±.10	**142.0E**±.21	**45**		**22**	**1-3**
JMA	I	22 13 40 03.8±.4	36.18N±.01	142.08E±.03	45	3.1		¶97i3338
ISC	**I**	**24 02 44 48**±2.4	**36.19N**±.054	**142.1E**±.13	**16**±24		**46**	**1-8**
JMA	I	24 02 44 47.2±.4	36.20N±.01	142.08E±.03	15±5	3.4		¶97i3585
ISC	**I**	**24 02 59 40**±2.1	**36.11N**±.097	**142.1E**±.19	**21**		**37**	**1-4**
JMA	I	24 02 59 40.3±.4	36.19N±.01	142.02E±.03	21±5	3.3		¶97i3586
ISC	**I**	**24 04 45 57**±1.1	**36.20N**±.052	**142.0E**±.11	**43**		**45**	**1-8**
JMA	I	24 04 45 56.5±.2	36.22N±.01	141.99E±.02	43	3.4		¶97i3597
ISC	**I**	**24 06 56 03**±1.5	**37.04N**±.092	**143.6E**±.14	**37**		**38**	**2-7**
JMA	I	24 06 56 06.6±.3	37.14N±.01	143.17E±.03	37	3.2		¶97i3612
ISC	**I**	**25 11 00 59**±1.2	**39.73N**±.089	**143.7E**±.15	**0**		**22**	**1-4**
JMA	I	25 11 01 02.0±.2	39.74N±.01	143.67E±.02	0	3.1		¶97i3794
ISC	**I**	**28 01 25 10**±1.2	**40.48N**±.074	**144.1E**±.17	**7**		**24**	**2-4**
JMA	I	28 01 25 12.7±.3	40.50N±.01	144.02E±.02	7±4	3.1		¶97i4153
ISC	**I**	**28 18 04 07.5**±.99	**40.50N**±.062	**144.0E**±.12	**16**		**28**	**2-4**
JMA	I	28 18 04 10.0±.1	40.50N±.01	143.99E±.02	16	3.0		¶97i4237
ISC	**I**	**28 18 55 39**±2.8	**40.92N**±.086	**146.9E**±.30	**39**		**28**	**3-5**
JMA	I	28 18 55 45.7±.4	41.36N±.03	146.39E±.03	39	3.2		¶97i4245
JMA	**I**	**30 15 46 37.0**±.4	**39.25N**±.02	**144.69E**±.03	**10**	**3.4**		¶97i4507
ISC	**I**	**30 23 59 33**±2.5	**37.16N**±.085	**142.2E**±.25	**30**		**20**	**1-3**
JMA	I	30 23 59 31.6±.3	37.13N±.01	142.17E±.02	30	3.4		¶97i4567
ISC	**II**	**01 18 31 55.3**±.78	**34.35N**±.054	**141.62E**±.059	**53**	**4.0b**	**79**	**1-66**
NEIC	II	01 18 31 56.2	34.32N	141.46E	33			¶97ii0107
JMA	II	01 18 31 57.2±.4	34.35N±.02	141.37E±.04	53±4	3.8		
EIDC	II	01 18 32 00.8	33.6N	137.7E	0	3.7b,3.9L		
NEIC	Less reliable solution.							
ISC	**II**	**02 10 52 13.9**±.76	**40.20N**±.037	**144.27E**±.094	**15**	**3.7b**	**59**	**2-67**
JMA	II	02 10 52 17.1±.3	40.23N±.01	144.21E±.02	15±5	3.5		¶97ii0211
EIDC	II	02 10 52 32.0	39.8N	143.1E	49	3.5b,3.4L		
ISC	**II**	**02 18 02 08**±3.4	**39.9N**±.19	**145.2E**±.33	**42**		**24**	**3-4**
JMA	II	02 18 02 10.4±.2	39.87N±.01	145.15E±.02	42	2.9		¶97ii0256
ISC	**II**	**03 01 56 20**±1.3	**36.24N**±.058	**142.3E**±.13	**52**		**39**	**1-8**
JMA	II	03 01 56 20.2±.3	36.26N±.01	142.22E±.03	52	3.2		¶97ii0305
NEIC	II	03 01 56 24.0	36.51N	141.83E	10			
NEIC	Poor solution.							
ISC	**II**	**04 11 12 38**±1.8	**34.35N**±.035	**141.65E**±.047	**3**±11	**4.3b**	**131**	**1-148**
JMA	II	04 11 12 43.6±.4	34.33N±.02	141.30E±.04	49	4.1		¶97ii0509
MOS	II	04 11 12 44.7	34.3N	141.3E	47	5.0b		
NEIC	II	04 11 12 46.3	34.39N	141.20E	61	4.8b		
BJI	II	04 11 12 46.9	34.48N	141.35E	65	4.6b		
EIDC	II	04 11 12 48.1	34.4N	141.3E	56	3.8b		
ISC	**II**	**05 01 25 17**±3.7	**37.4N**±.15	**142.4E**±.35	**19**		**14**	**1-3**
JMA	II	05 01 25 17.0±.4	37.48N±.02	142.34E±.03	19	3.0		¶97ii0618
ISC	**II**	**05 16 29 30**±1.2	**36.28N**±.030	**142.08E**±.056	**15**±9.6	**4.0b**	**114**	**1-147**
EIDC	II	05 16 29 29.6	36.2N	141.9E	0	3.9b,3.7L		¶97ii0720
JMA	II	05 16 29 32.0±.4	36.32N±.01	141.84E±.03	25±5	3.9		
MOS	II	05 16 29 32.0	36.3N	141.8E	33	5.0b		
NEIC	II	05 16 29 32.7	36.22N	141.75E	33	4.0b		
BJI	II	05 16 29 33.3	35.97N	141.25E	15			
JMA	**II**	**05 19 51 30.1**±.9	**34.21N**±.06	**141.42E**±.07	**43**	**3.1**		¶97ii0742
ISC	**II**	**06 09 46 42**±1.2	**40.09N**±.097	**143.5E**±.15	**0**		**20**	**1-4**
JMA	II	06 09 46 45.3±.2	40.09N±.02	143.51E±.02	0	2.9		¶97ii0818
ISC	**II**	**06 14 52 52**±1.1	**37.84N**±.058	**142.4E**±.12	**35**		**30**	**1-6**
JMA	II	06 14 52 52.1±.2	37.82N±.01	142.23E±.02	35	3.3		¶97ii0855
JMA	**II**	**07 19 06 54.2**±.5	**34.66N**±.03	**141.26E**±.04	**5**	**2.8**		¶97ii1022
ISC	**II**	**07 19 09 46**±3.0	**33.6N**±.18	**141.9E**±.21	**61**±48		**36**	**1-6**
JMA	II	07 19 09 45.5±.6	33.55N±.02	142.01E±.06	47	3.2		¶97ii1023
ISC	**II**	**08 01 28 49**±1.8	**34.2N**±.11	**141.6E**±.14	**56**±26		**46**	**1-10**
JMA	II	08 01 28 53.5±.3	34.34N±.02	141.19E±.03	48±4	3.5		¶97ii1068
ISC	**II**	**10 03 44 02**±1.3	**37.54N**±.071	**143.7E**±.12	**44**		**48**	**2-6**
JMA	II	10 03 44 05.6±.3	37.64N±.01	143.30E±.02	44	3.6		¶97ii1408
ISC	**II**	**10 06 04 58**±7.6	**33.2N**±.38	**141.0E**±.59	**44**		**9**	**1-3**
JMA	II	10 06 04 59.1±.4	33.25N±.02	140.87E±.03	44	3.3		¶97ii1420
ISC	**II**	**10 15 46 54.0**±.53	**34.72N**±.032	**141.31E**±.047	**47**±5.6	**4.2b**	**144**	**0-148**
BJI	II	10 15 46 53.3	34.55N	140.85E	30	4.5b,4.1s		¶97ii1478
NEIC	II	10 15 46 54.4	34.63N	141.13E	33	4.1b		
JMA	II	10 15 46 56.5±.2	34.75N±.01	141.01E±.02	65±2	4.0		
EIDC	II	10 15 46 57.0	34.6N	141.0E	37	3.8b,3.7L		
JMA	**II**	**11 08 15 22.5**±.4	**34.98N**±.04	**141.00E**±.03	**67**±3			¶97ii1605
ISC	**II**	**11 19 45 41.3**±.63	**37.91N**±.035	**142.20E**±.077	**40**±14	2.8b	**70**	**1-48**
JMA	II	11 19 45 42.2±.2	37.91N±.01	141.99E±.02	44±4	3.8		¶97ii1665
NEIC	II	11 19 45 43.8	37.54N	142.08E	93			
EIDC	II	11 19 45 43.9	37.5N	142.2E	88	2.7b		
NEIC	Less reliable solution.							
ISC	**II**	**12 07 54 06.8**±.86	**34.21N**±.061	**141.76E**±.072	**58**	**3.5b**	**51**	**1-58**
JMA	II	12 07 54 08.1±.5	34.17N±.02	141.51E±.04	58	3.6		¶97ii1738
EIDC	II	12 07 54 16.1	32.2N	143.1E	0	3.5b,4.1L		
ISC	**II**	**12 23 24 30**±3.6	**33.4N**±.22	**142.3E**±.22	**59**		**35**	**2-7**
JMA	II	12 23 24 31.5±.6	33.43N±.02	142.14E±.05	59	3.6		¶97ii1835
ISC	**II**	**12 23 36 12.6**±.47	**40.79N**±.032	**143.04E**±.076	**37**		**46**	**1-5**
JMA	II	12 23 36 12.2±.1	40.80N±.01	142.93E±.01	37	3.7		¶97ii1837
ISC	**II**	**12 23 41 48**±1.8	**37.27N**±.084	**142.0E**±.18	**35**		**27**	**1-4**
JMA	II	12 23 41 47.3±.3	37.29N±.01	142.00E±.03	35	3.9		¶97ii1838
ISC	**II**	**14 01 53 48**±2.7	**37.67N**±.053	**142.4E**±.17	**19**±24		**22**	**1-3**
JMA	II	14 01 53 49.6±.2	37.69N±.01	142.28E±.02	43	3.5		¶97ii2004
ISC	**II**	**14 03 27 47**±2.3	**37.4N**±.10	**142.2E**±.21	**10**		**16**	**1-3**
JMA	II	14 03 27 46.9±.3	37.48N±.01	142.13E±.02	10±3	2.9		¶97ii2016
ISC	**II**	**14 04 46 37**±3.5	**37.4N**±.15	**142.2E**±.34	**27**		**14**	**1-2**
JMA	II	14 04 46 36.8±.3	37.43N±.01	142.20E±.02	27	3.0		¶97ii2028
ISC	**II**	**14 13 35 13**±6.5	**33.2N**±.33	**142.8E**±.45	**55**		**16**	**2-5**
JMA	II	14 13 35 16.2±.8	33.38N±.04	142.53E±.06	55	3.0		¶97ii2058
ISC	**II**	**14 14 51 48**±2.2	**34.0N**±.13	**141.7E**±.18	**49**±45		**31**	**1-6**
JMA	II	14 14 51 49.3±.4	34.10N±.02	141.53E±.04	50	3.2		¶97ii2066
ISC	**II**	**15 14 52 26**±1.7	**37.99N**±.060	**142.3E**±.19	**35**		**26**	**1-4**
JMA	II	15 14 52 24.4±.3	37.97N±.01	142.33E±.03	35	3.2		¶97ii2250
ISC	**II**	**16 08 46 02**±5.4	**37.1N**±.21	**142.5E**±.49	**39**		**13**	**1-3**
JMA	II	16 08 46 03.1±.4	37.18N±.02	142.35E±.03	39	2.9		¶97ii2355
ISC	**II**	**16 09 24 12**±1.7	**37.1N**±.10	**142.3E**±.16	**19**		**17**	**1-63**
JMA	II	16 09 24 10.8±.3	37.11N±.01	142.32E±.03	19	3.1		¶97ii2356
ISC	**II**	**16 19 41 25**±6.9	**37.8N**±.16	**144.5E**±.64	**59**		**22**	**3-4**
JMA	II	16 19 41 27.7±.3	37.79N±.01	144.14E±.03	59	3.8		¶97ii2411
JMA	**II**	**19 23 09 49.3**±.6	**34.14N**±.05	**141.78E**±.05	**60**	**2.6**		¶97ii2850
JMA	**II**	**20 18 46 09.7**±.5	**34.54N**±.03	**142.15E**±.03	**14**	**3.1**		¶97ii2962
ISC	**II**	**22 14 36 10.9**±.96	**40.75N**±.066	**143.9E**±.15	**6**		**26**	**2-4**
JMA	II	22 14 36 13.9±.2	40.74N±.01	143.90E±.03	6	3.1		¶97ii3218
ISC	**II**	**23 04 12 30**±2.3	**37.78N**±.093	**142.3E**±.24	**38**		**17**	**1-3**
JMA	II	23 04 12 29.6±.4	37.77N±.02	142.30E±.04	38	3.2		¶97ii3292
ISC	**II**	**24 01 03 21**±1.7	**39.78N**±.097	**144.9E**±.19	**48**		**24**	**2-5**
JMA	II	24 01 03 24.6±.3	39.84N±.02	144.78E±.03	48	3.2		¶97ii3396
ISC	**II**	**24 07 29 08**±7.3	**37.4N**±.12	**142.0E**±.24	**10**±47		**19**	**1-3**
JMA	II	24 07 29 10.1±.3	37.38N±.01	141.89E±.03	42	3.0		¶97ii3439
ISC	**II**	**24 14 29 58**±3.5	**37.7N**±.12	**143.0E**±.33	**6**		**21**	**2-3**
JMA	II	24 14 29 59.2±.4	37.76N±.01	142.82E±.04	6±5	3.2		¶97ii3490
ISC	**II**	**24 15 51 25**±4.7	**33.9N**±.24	**143.2E**±.36	**75**		**20**	**3-6**
JMA	II	24 15 51 31.4±.7	34.05N±.04	142.62E±.06	75			¶97ii3502
ISC	**II**	**24 21 46 39.4**±.66	**37.83N**±.040	**142.60E**±.079	**28**		**52**	**1-6**
JMA	II	24 21 46 39.0±.2	37.81N±.01	142.47E±.02	28	3.6		¶97ii3542
JMA	**II**	**25 02 50 51.2**±.4	**39.04N**±.02	**144.44E**±.03	**0**	**2.8**		¶97ii3571
ISC	**II**	**25 06 57 09.3**±.96	**40.96N**±.069	**143.3E**±.13	**60**±63		**20**	**1-3**
JMA	II	25 06 57 09.9±.2	40.96N±.01	143.25E±.03	6	2.8		¶97ii3597
ISC	**II**	**25 09 35 00**±2.3	**37.5N**±.11	**142.2E**±.20	**10**		**16**	**1-3**
JMA	II	25 09 34 58.8±.3	37.46N±.01	142.24E±.02	10±3	2.8		¶97ii3605
ISC	**II**	**25 13 57 10**±2.0	**33.4N**±.11	**141.3E**±.14	**45**±25	**4.4b**	**70**	**1-57**
JMA	II	25 13 57 12.4±.2	33.50N±.01	140.99E±.02	65±4			¶97ii3632
EIDC	II	25 13 57 17.8	37.6N	140.2E	368	3.4b		
ISC	**II**	**25 22 38 13**±1.4	**37.71N**±.046	**142.4E**±.16	**35**		**36**	**1-4**
JMA	II	25 22 38 12.1±.3	37.67N±.01	142.30E±.03	35	3.6		¶97ii3702
ISC	**II**	**25 23 34 42**±2.5	**37.80N**±.094	**142.4E**±.26	**23**		**18**	**1-3**
JMA	II	25 23 34 41.7±.3	37.81N±.01	142.38E±.03	23	3.3		¶97ii3707
ISC	**II**	**26 16 54 57**±5.8	**36.8N**±.26	**142.4E**±.47	**36**		**14**	**1-3**
JMA	II	26 16 54 57.7±.3	36.83N±.01	142.33E±.02	36	2.9		¶97ii3825
ISC	**II**	**27 08 19 52**±5.5	**34.9N**±.22	**142.0E**±.46	**65**±52		**16**	**1-3**
JMA	II	27 08 19 51.6±.6	34.93N±.03	142.04E±.05	70			¶97ii3923
ISC	**II**	**27 19 23 40.8**±.63	**33.29N**±.045	**141.15E**±.085	**98**±11	3.6b	**56**	**1-57**
EIDC	II	27 19 23 38.9	32.6N	138.9E	0	3.5b,3.8L		¶97ii3997
NEIC	II	27 19 23 41.1	32.60N	139.13E	33			
JMA	II	27 19 23 43.7±.2	33.36N±.01	140.88E±.02	87±3			
NEIC	Poor solution.							
ISC	**II**	**28 08 17 34**±7.9	**39.1N**±.20	**143.4E**±.70	**0**		**8**	**1-2**
JMA	II	28 08 17 31.7±.4	39.00N±.03	143.85E±.04	0	2.8		¶97ii4180
ISC	**II**	**28 11 06 56**±1.7	**39.1N**±.10	**144.6E**±.17	**54**		**31**	**2-6**
JMA	II	28 11 06 59.4±.2	39.14N±.01	144.52E±.02	54	3.3		¶97ii4226
ISC	**II**	**28 11 09 10.7**±.63	**40.90N**±.051	**143.24E**±.093	**10**		**28**	**1-3**
JMA	II	28 11 09 13.6±.1	40.91N±.01	143.20E±.02	10	2.9		¶97ii4227
ISC	**II**	**28 11 11 49**±1.2	**39.09N**±.073	**144.7E**±.13	**63**	3.1b	**37**	**2-61**
JMA	II	28 11 11 49.8±.2	39.15N±.01	144.55E±.03	63			¶97ii4228
ISC	**II**	**28 17 16 35**±2.3	**34.8N**±.15	**141.4E**±.16	**22**±15	3.0b	**17**	**0-66**
JMA	II	28 17 16 31.8±.6	34.74N±.03	141.63E±.05	29	2.8		¶97ii4300
ISC	**III**	**02 07 26 17**±2.0	**38.6N**±.21	**144.3E**±.17	**13**	3.4b	**11**	**2-61**
JMA	III	02 07 26 27.0±.3	38.69N±.01	143.63E±.03	13	2.9		¶97iii0258
ISC	**III**	**03 02 14 57**±1.3	**40.10N**±.081	**143.6E**±.14	**15**		**21**	**1-4**
JMA	III	03 02 15 00.0±.2	40.12N±.02	143.54E±.03	15	3.3		¶97iii0445
ISC	**III**	**04 08 56 43**±3.6	**37.8N**±.16	**142.3E**±.34	**21**		**11**	**1-2**
JMA	III	04 08 56 42.4±.4	37.86N±.02	142.33E±.03	21	2.8		¶97iii0816
JMA	**III**	**04 15 21 22.6**±.6	**39.07N**±.02	**143.94E**±.06	**0**	**3.1**		¶97iii0876
ISC	**III**	**04 18 58 00**±9.7	**39.8N**±.32	**143.4E**±.81	**0**		**7**	**1-2**
JMA	III	04 18 58 01.4±.4	39.85N±.03	143.49E±.04	0	2.8		¶97iii0906
ISC	**III**	**05 07 30 30**±2.0	**39.1N**±.13	**144.1E**±.19	**2**		**21**	**2-5**
JMA	III	05 07 30 33.0±.4	39.14N±.02	144.04E±.03	2	3.2		¶97iii1008
ISC	**III**	**05 08 40 14**±2.6	**39.2N**±.18	**144.0E**±.23	**12**		**21**	**2-5**
JMA	III	05 08 40 17.3±.2	39.19N±.01	143.98E±.01	12	3.1		¶97iii1021
ISC	**III**	**05 17 35 18**±5.2	**37.2N**±.17	**142.0E**±.51	**42**		**8**	**1-2**
JMA	III	05 17 35 19.0±.4	37.26N±.01	141.84E±.03	42	3.1		¶97iii1107
JMA	**III**	**05 22 56 48.7**±.3	**40.82N**±.03	**144.76E**±.03	**0**	**2.8**		¶97iii1145
ISC	**III**	**06 07 33 40**±2.7	**34.2N**±.13	**141.7E**±.22	**32**		**21**	**1-4**
JMA	III	06 07 33 37.6±.4	34.15N±.01	141.82E±.03	32±5	3.3		¶97iii1227
JMA	**III**	**07 08 37 12.9**±.7	**39.56N**±.05	**143.71E**±.06	**11**	**2.8**		¶97iii1481
ISC	**III**	**07 09 05 54**±5.8	**33.6N**±.22	**141.2E**±.53	**69**		**8**	**1-2**
JMA	III	07 09 05 54.7±.8	33.55N±.03	141.16E±.07	69			¶97iii1485
ISC	**III**	**08 17 47 02**±1.9	**39.7N**±.15	**143.8E**±.22	**5**		**15**	**2-4**
JMA	III	08 17 47 04.6±.4	39.73N±.03	143.85E±.04	5	3.1		¶97iii1803
JMA	**III**	**08 17 55 22.9**±.3	**39.79N**±.02	**143.80E**±.03	**13**	**3.0**		¶97iii1805
JMA	**III**	**10 02 23 33.4**±.5	**38.43N**±.02	**144.32E**±.04	**11**	**3.0**		¶97iii2132
ISC	**III**	**10 12 13 54**±10	**39.5N**±.12	**143.8E**±.97	**0**		**12**	**2-3**
JMA	III	10 12 13 54.4±.4	39.46N±.02	144.09E±.04	0	3.0		¶97iii2206
ISC	**III**	**10 23 24 44**±1.0	**40.31N**±.079	**143.5E**±.13	**7**		**21**	**1-4**
JMA	III	10 23 24 47.3±.2	40.32N±.01	143.46E±.02	7	3.1		¶97iii2280
ISC	**III**	**11 15 03 54**±10	**39.1N**±.12	**144.9E**±.99	**22**		**16**	**2-4**
JMA	III	11 15 04 00.9±.4	39.08N±.02	144.44E±.04	22	3.1		¶97iii2398

ISC	**III**	**12 03 47 53.0**±.89	**40.13N**±.060	**143.5E**±.11	**0**		**30**	**1-4**	
JMA	III	12 03 47 56.3±.2	40.15N±.01	143.47E±.02	0	3.2		**¶97iii2474**	
ISC	**III**	**12 04 01 44.5**±.85	**40.14N**±.053	**143.5E**±.10	**0**		**32**	**1-4**	
JMA	III	12 04 01 47.5±.2	40.14N±.01	143.52E±.02	0	3.3		**¶97iii2476**	
ISC	**III**	**12 04 43 59**±4.8	**38.53N**±.093	**143.5E**±.48	**4**		**17**	**2-4**	
JMA	III	12 04 44 03.5±.4	38.53N±.01	143.38E±.04	4	3.1		**¶97iii2479**	
ISC	**III**	**12 04 45 28.6**±.79	**40.12N**±.052	**143.55E**±.099	**0**		**33**	**1-4**	
JMA	III	12 04 45 31.6±.1	40.14N±.01	143.54E±.02	0	3.5		**¶97iii2480**	
ISC	**III**	**12 10 27 36**±1.1	**34.85N**±.068	**141.09E**±.088	**64**±13		**41**	**0-5**	
JMA	III	12 10 27 37.1±.4	34.85N±.02	140.92E±.03	63±3			**¶97iii2513**	
ISC	**III**	**13 14 04 11.6**±.42	**39.54N**±.025	**143.74E**±.063	**20**	**3.8b**	**106**	**1-86**	
JMA	III	13 14 04 12.7±.1	39.58N±.01	143.69E±.01	0	4.0		**¶97iii2714**	
BJI	III	13 14 04 13.8	39.88N	143.31E	20	4.3b			
NEIC	III	13 14 04 14.2	39.46N	143.64E	35	4.9b			
MOS	III	13 14 04 14.5	39.4N	143.8E	39				
EIDC	III	13 14 04 15.6	39.3N	143.8E	39	3.6b,3.7L			
MOS	Mb4.5–5.0								
ISC	**III**	**13 14 37 21.1**±.88	**39.52N**±.055	**143.8E**±.10	**0**		**34**	**2-5**	
JMA	III	13 14 37 24.5±.1	39.57N±.01	143.72E±.02	0	3.2		**¶97iii2723**	
ISC	**III**	**13 19 07 04.6**±.78	**39.54N**±.047	**143.73E**±.096	**3**		**43**	**1-6**	
JMA	III	13 19 07 08.0±.3	39.57N±.01	143.67E±.01	3±3	3.5		**¶97iii2752**	
JMA	**III**	**13 23 08 30.0**±.3	**39.60N**±.02	**143.85E**±.02	**0**	**2.9**		**¶97iii2779**	
JMA	**III**	**15 18 30 38.9**±.4	**38.70N**±.02	**144.52E**±.04	**24**	**3.1**		**¶97iii3087**	
JMA	**III**	**16 00 14 11.7**±.6	**34.19N**±.04	**141.10E**±.05	**41**	**2.9**		**¶97iii3137**	
ISC	**III**	**16 12 27 32**±2.9	**37.1N**±.14	**142.0E**±.23	**4**		**16**	**1-3**	
JMA	III	16 12 27 29.8±.3	37.02N±.01	142.23E±.02	4±3	3.0		**¶97iii3222**	
ISC	**III**	**16 19 48 59**±2.6	**37.3N**±.12	**142.1E**±.22	**12**		**14**	**1-2**	
JMA	III	16 19 48 57.7±.4	37.22N±.01	142.22E±.02	12±4	2.9		**¶97iii3262**	
ISC	**III**	**17 00 10 37**±2.6	**39.8N**±.16	**144.8E**±.28	**44**		**15**	**2-4**	
JMA	III	17 00 10 40.6±.3	39.93N±.02	144.64E±.04	44	2.9		**¶97iii3289**	
ISC	**III**	**17 10 14 48.1**±.62	**39.55N**±.036	**143.65E**±.085	**91**	**3.7b**	**80**	**1-81**	
JMA	III	17 10 14 48.1±.1	39.56N±.01	143.63E±.02	0	3.9		**¶97iii3360**	
NEIC	III	17 10 14 52.9	39.07N	143.58E	91	4.0b			
MOS	III	17 10 14 55.3	40.1N	143.5E	51	5.3b			
EIDC	III	17 10 14 55.3	39.1N	143.5E	91	3.4b			
BJI	III	17 10 14 57.3	40.12N	143.15E	92	4.3b			
NEIC	Less reliable solution.								
ISC	**III**	**18 06 32 12**±3.3	**34.9N**±.18	**142.0E**±.26	**52**±54		**19**	**1-5**	
JMA	III	18 06 32 11.9±.6	34.98N±.02	141.93E±.05	51	3.1		**¶97iii3498**	
ISC	**III**	**18 07 04 05**±4.3	**33.74N**±.072	**141.99E**±.086	**1**±25	**3.9b**,3.3s	**82**	**1-92**	
MOS	III	18 07 04 09.7	33.7N	141.8E	35	4.6b		**¶97iii3500**	
JMA	III	18 07 04 09.9±.4	33.80N±.02	141.83E±.04	60	3.7			
NEIC	III	18 07 04 11.9	33.88N	141.72E	54	4.0b			
BJI	III	18 07 04 12.9	33.70N	141.66E	54	3.8b			
EIDC	III	18 07 04 15.6	33.9N	141.6E	51	3.4b,3.3s			
ISC	**III**	**18 13 35 40**±7.8	**36.7N**±.31	**142.2E**±.66	**26**		**8**	**1-2**	
JMA	III	18 13 35 38.9±.3	36.70N±.01	142.25E±.02	26	2.8		**¶97iii3543**	
ISC	**III**	**18 18 30 26.1**±.83	**39.10N**±.049	**143.76E**±.097	**2**		**49**	**2-5**	
JMA	III	18 18 30 29.4±.5	39.10N±.01	143.72E±.02	2±5	3.5		**¶97iii3577**	
JMA	**III**	**19 03 10 50.2**±.5	**35.46N**±.02	**142.09E**±.06	**0**	**2.9**		**¶97iii3621**	
ISC	**III**	**19 12 35 15**±2.4	**37.73N**±.033	**142.99E**±.066	**6**±15	**4.0b**	**96**	**1-74**	
JMA	III	19 12 35 17.1±.2	37.74N±.01	142.82E±.02	30	3.9		**¶97iii3706**	
BJI	III	19 12 35 17.9	37.90N	142.73E	29	4.5b			
MOS	III	19 12 35 18.2	37.8N	142.8E	33	4.7b			
NEIC	III	19 12 35 18.6	37.74N	142.83E	33	4.1b			
EIDC	III	19 12 35 20.9	37.7N	142.9E	32	3.7b,3.7L			
ISC	**III**	**19 20 16 08.0**±.44	**37.76N**±.025	**142.08E**±.056	**42**±5.1	**3.8b**	**117**	**1-89**	
NEIC	III	19 20 16 07.9	37.71N	142.04E	42			**¶97iii3761**	
JMA	III	19 20 16 08.3±.2	37.74N±.01	141.91E±.02	45±4	4.2			
MOS	III	19 20 16 08.6	37.7N	141.9E	56	4.8b			
EIDC	III	19 20 16 09.9	37.7N	142.0E	39	3.6b,3.7L			
ISC	**III**	**19 20 16 53.8**±.73	**37.71N**±.044	**142.13E**±.080	**43**±7.0	**3.9b**	**102**	**1-89**	
NEIC	III	19 20 16 54.2	37.71N	142.04E	47			**¶97iii3762**	
JMA	III	19 20 16 55.3±.3	37.77N±.01	141.85E±.02	38±5	4.2			
EIDC	III	19 20 17 06.6	37.7N	142.0E	143	3.5b			
NEIC	Less reliable solution.								
ISC	**III**	**21 03 18 18**±2.9	**34.3N**±.12	**141.5E**±.18	**27**±18		**19**	**1-5**	
JMA	III	21 03 18 18.9±.6	34.35N±.02	141.43E±.05	43±5	3.1		**¶97iii3991**	
JMA	**III**	**21 05 55 09.3**±.5	**40.51N**±.07	**143.86E**±.06	**0**	**2.9**		**¶97iii4009**	
ISC	**III**	**22 20 49 45.7**±.99	**40.17N**±.091	**143.3E**±.14	**0**		**20**	**1-4**	
JMA	III	22 20 49 48.6±.2	40.16N±.01	143.30E±.02	0	3.1		**¶97iii4316**	
ISC	**III**	**24 08 57 19**±4.0	**37.7N**±.16	**142.5E**±.37	**37**		**15**	**1-2**	
JMA	III	24 08 57 20.3±.4	37.82N±.01	142.29E±.03	37	3.1		**¶97iii4550**	
ISC	**III**	**25 10 22 40**±6.4	**39.2N**±.11	**144.3E**±.62	**4**		**18**	**2-5**	
JMA	III	25 10 22 46.1±.5	39.24N±.02	143.99E±.05	4	3.1		**¶97iii4712**	
JMA	**III**	**25 15 02 43.7**±.7	**40.30N**±.06	**143.91E**±.06	**0**	**2.8**		**¶97iii4749**	
ISC	**III**	**26 10 05 50**±1.1	**39.88N**±.073	**143.9E**±.12	**17**		**27**	**2-4**	
JMA	III	26 10 05 53.4±.3	39.91N±.01	143.77E±.02	17±5	3.2		**¶97iii4921**	
ISC	**III**	**26 14 32 58**±5.5	**38.59N**±.093	**143.1E**±.55	**41**		**14**	**1-2**	
JMA	III	26 14 32 59.6±.3	38.62N±.01	142.90E±.03	41	2.8		**¶97iii5001**	
ISC	**III**	**27 10 05 00**±4.1	**33.7N**±.23	**143.1E**±.29	**73**		**25**	**2-6**	
JMA	III	27 10 05 05.5±.4	34.09N±.03	142.79E±.03	73			**¶97iii5189**	
ISC	**III**	**27 14 16 07**±1.6	**39.88N**±.024	**143.78E**±.058	**3**±9.6	**4.4b,4.3s**	**157**	**1-88**	
BJI	III	27 14 16 09.1	39.94N	143.55E	24	4.6b,4.4s		**¶97iii5242**	
JMA	III	27 14 16 10.4±.1	39.89N±.01	143.80E±.02	12	4.2			
NEIC	III	27 14 16 11.1	39.82N	143.68E	33	4.9b			
EIDC	III	27 14 16 12.2	39.8N	143.8E	27	3.9b,4.0s			
MOS	III	27 14 16 12.7	40.1N	143.5E	33	5.1b			
ISC	**III**	**27 14 58 39.3**±.54	**39.89N**±.038	**143.78E**±.072	**6**	**3.7b**,3.7s	**67**	**1-87**	
EIDC	III	27 14 58 41.2	40.0N	143.6E	0	3.7b,3.6L		**¶97iii5248**	
JMA	III	27 14 58 41.7±.2	39.87N±.01	143.84E±.02	6	3.6			
BJI	III	27 14 58 43.0	40.03N	143.52E	31	4.5b			
NEIC	III	27 14 58 43.3	39.84N	143.64E	33	4.4b			
MOS	III	27 14 58 43.4	39.9N	143.7E	33	4.8b			
NEIC	Less reliable solution.								
ISC	**III**	**28 06 20 31**±2.5	**39.43N**±.034	**143.61E**±.073	**14**±16	**4.0b**,4.0s	**82**	**1-87**	
BJI	III	28 06 20 33.2	39.57N	143.42E	30	4.4b		**¶97iii5370**	
MOS	III	28 06 20 33.7	39.4N	143.5E	33	4.7b			
NEIC	III	28 06 20 34.2	39.38N	143.52E	33	4.2b			
JMA	III	28 06 20 34.3±.3	39.45N±.01	143.54E±.02	11±5	4.0			
EIDC	III	28 06 20 35.4	39.3N	143.5E	26	3.7b,3.7L			
ISC	**III**	**28 16 43 14**±2.1	**37.88N**±.078	**142.3E**±.22	**10**		**16**	**1-3**	
JMA	III	28 16 43 11.6±.4	37.83N±.01	142.44E±.03	10±4	2.8		**¶97iii5459**	
ISC	**III**	**28 19 08 34.4**±.86	**34.47N**±.053	**141.71E**±.077	**38**	3.2b	**54**	**1-58**	
EIDC	III	28 19 08 30.5	34.8N	142.2E	0	2.9L,3.2b		**¶97iii5470**	
JMA	III	28 19 08 32.8±.9	34.38N±.04	141.75E±.07	38	3.5			
NEIC	III	28 19 08 34.8	34.47N	141.72E	33				
NEIC	Less reliable solution.								
ISC	**III**	**28 19 21 17**±1.4	**39.44N**±.023	**143.50E**±.054	**10**±8.6	**4.7b,4.5s**	**185**	**1-87**	
JMA	III	28 19 21 19.2±.4	39.44N±.01	143.60E±.02	2±4	4.6		**¶97iii5471**	
BJI	III	28 19 21 19.2	39.53N	143.27E	27	4.9b,4.5s			
NEIC	III	28 19 21 21.0	39.43N	143.35E	33	4.8b,4.5s			
MOS	III	28 19 21 21.2	39.5N	143.3E	33	5.2b,4.7s			
EIDC	III	28 19 21 24.2	39.2N	143.5E	58	4.0b			
ISC	**III**	**28 19 33 12**±1.2	**39.42N**±.072	**143.6E**±.13	**0**		**23**	**1-4**	
JMA	III	28 19 33 15.0±.2	39.43N±.01	143.62E±.02	0	3.1		**¶97iii5473**	
ISC	**III**	**29 09 13 42.0**±.99	**39.45N**±.067	**143.5E**±.11	**0**		**22**	**1-4**	
JMA	III	29 09 13 45.0±.1	39.45N±.01	143.51E±.02	0	3.2		**¶97iii5565**	
ISC	**III**	**29 09 51 14**±1.6	**39.4N**±.11	**143.7E**±.15	**3**		**17**	**1-4**	
JMA	III	29 09 51 17.6±.4	39.41N±.02	143.62E±.02	3±5	3.0		**¶97iii5570**	
ISC	**III**	**29 16 10 38**±5.1	**37.8N**±.22	**142.5E**±.43	**11**		**9**	**1-2**	
JMA	III	29 16 10 36.1±.4	37.78N±.02	142.68E±.03	11	3.0		**¶97iii5617**	
ISC	**III**	**29 23 44 35**±6.5	**37.9N**±.28	**142.2E**±.58	**35**		**9**	**1-2**	
JMA	III	29 23 44 33.4±.4	37.87N±.01	142.23E±.03	35	2.8		**¶97iii5660**	
ISC	**III**	**29 23 46 26**±4.9	**37.9N**±.21	**142.1E**±.44	**25**		**9**	**1-2**	
JMA	III	29 23 46 24.0±.4	37.86N±.02	142.29E±.03	25	2.8		**¶97iii5661**	
ISC	**III**	**30 02 53 44**±2.2	**39.41N**±.043	**143.66E**±.092	**17**±21	**3.7b**	**57**	**1-73**	
EIDC	III	30 02 53 40.5	39.1N	144.4E	0	3.6b,3.6L		**¶97iii5682**	
NEIC	III	30 02 53 43.3	39.07N	144.16E	33				
JMA	III	30 02 53 47.5±.3	39.46N±.01	143.53E±.01	12±4	4.0			
NEIC	Less reliable solution.								
JMA	**III**	**30 03 44 28.1**±.2	**39.47N**±.02	**143.65E**±.02	**0**	**3.3**		**¶97iii5688**	
ISC	**III**	**30 04 46 58**±3.2	**33.02N**±.060	**141.2E**±.12	**22**±26	**4.0b**	**31**	**1-93**	
EIDC	III	30 04 46 56.5	33.0N	141.3E	0	3.9b,3.3L		**¶97iii5700**	
NEIC	III	30 04 46 59.4	33.01N	141.19E	33	4.5b			
JMA	III	30 04 47 03.5±.4	33.30N±.02	140.88E±.03	47	3.2			
ISC	**III**	**30 10 44 11**±5.7	**39.4N**±.11	**143.8E**±.56	**0**		**18**	**2-5**	
JMA	III	30 10 44 15.7±.5	39.44N±.02	143.59E±.05	0	3.4		**¶97iii5741**	
JMA	**III**	**30 21 36 32.1**±.4	**39.45N**±.02	**143.60E**±.04	**20**	**2.9**		**¶97iii5811**	
ISC	**III**	**31 05 55 22**±2.3	**37.82N**±.088	**142.2E**±.25	**35**		**17**	**1-3**	
JMA	III	31 05 55 21.5±.3	37.83N±.01	142.20E±.03	35	3.1		**¶97iii5852**	
JMA	**III**	**31 22 21 01.3**±.3	**38.76N**±.02	**144.39E**±.03	**8**	**2.9**		**¶97iii5941**	
ISC	**IV**	**01 12 06 46**±3.4	**37.2N**±.16	**142.2E**±.31	**25**		**15**	**1-3**	
JMA	IV	01 12 06 45.6±.3	37.20N±.01	142.22E±.02	25	2.9		**¶97iv0067**	
ISC	**IV**	**01 18 52 14**±1.8	**37.17N**±.084	**142.2E**±.17	**18**		**25**	**1-3**	
JMA	IV	01 18 52 11.7±.3	37.13N±.01	142.28E±.02	18	3.3		**¶97iv0127**	
ISC	**IV**	**02 14 59 49**±2.6	**39.8N**±.23	**143.8E**±.29	**11**		**16**	**2-4**	
JMA	IV	02 14 59 51.9±.4	39.83N±.03	143.74E±.04	11	2.8		**¶97iv0260**	
ISC	**IV**	**02 20 22 01**±2.5	**36.5N**±.17	**142.1E**±.14	**20**		**39**	**1-8**	
JMA	IV	02 20 22 06.6±.5	36.83N±.02	141.69E±.03	20±5	3.6		**¶97iv0307**	
ISC	**IV**	**03 19 46 39**±2.3	**37.86N**±.081	**142.5E**±.25	**28**		**21**	**1-4**	
JMA	IV	03 19 46 37.8±.2	37.85N±.01	142.49E±.02	28	3.1		**¶97iv0471**	
JMA	**IV**	**03 22 15 03.3**±.3	**40.14N**±.03	**144.93E**±.03	**6**	**2.8**		**¶97iv0488**	
ISC	**IV**	**04 14 37 27**±1.2	**38.65N**±.077	**143.8E**±.14	**6**		**16**	**2-5**	
JMA	IV	04 14 37 31.0±.2	38.68N±.01	143.71E±.02	6	2.9		**¶97iv0625**	
ISC	**IV**	**04 18 20 40**±1.4	**39.6N**±.10	**143.8E**±.15	**7**		**21**	**2-4**	
JMA	IV	04 18 20 43.1±.3	39.56N±.02	143.76E±.02	7±5	3.0		**¶97iv0644**	
ISC	**IV**	**05 03 10 06**±5.1	**33.1N**±.31	**141.1E**±.24	**81**±45		**24**	**1-5**	
JMA	IV	05 03 10 09.4±.3	33.30N±.02	140.89E±.02	51	3.1		**¶97iv0683**	
ISC	**IV**	**05 08 10 03**±8.5	**39.4N**±.16	**143.8E**±.82	**7**		**16**	**2-5**	
JMA	IV	05 08 10 07.8±.3	39.37N±.02	143.65E±.03	7	3.0		**¶97iv0733**	
ISC	**IV**	**05 18 58 23**±4.7	**39.3N**±.11	**143.3E**±.44	**0**		**11**	**1-2**	
JMA	IV	05 18 58 23.3±.6	39.32N±.03	143.54E±.06	0	2.9		**¶97iv0828**	
JMA	**IV**	**05 18 58 31.6**±.4	**39.38N**±.02	**143.85E**±.04	**11**	**3.0**		**¶97iv0829**	
ISC	**IV**	**05 19 00 30**±1.2	**39.35N**±.088	**143.7E**±.13	**0**		**22**	**1-4**	
JMA	IV	05 19 00 32.8±.3	39.37N±.01	143.66E±.02	0±4	2.9		**¶97iv0831**	
ISC	**IV**	**06 01 41 15.7**±.98	**38.57N**±.066	**143.2E**±.10	**10**		**26**	**1-5**	
JMA	IV	06 01 41 19.0±.2	38.58N±.01	143.09E±.02	10	3.4		**¶97iv0903**	
ISC	**IV**	**06 06 56 52**±8.0	**39.3N**±.14	**143.4E**±.75	**6**		**10**	**1-2**	
JMA	IV	06 06 56 51.9±.3	39.37N±.02	143.66E±.03	6	2.8		**¶97iv0955**	
ISC	**IV**	**06 14 15 27**±3.7	**39.1N**±.26	**144.5E**±.30	**42**		**19**	**2-5**	
JMA	IV	06 14 15 30.4±.2	39.13N±.01	144.43E±.02	42	2.8		**¶97iv1007**	
ISC	**IV**	**07 07 42 19**±1.3	**39.93N**±.085	**144.2E**±.15	**14**		**25**	**2-4**	
JMA	IV	07 07 42 21.6±.2	39.94N±.01	144.17E±.02	14	3.2		**¶97iv1120**	
ISC	**IV**	**07 23 09 56**±2.4	**37.5N**±.12	**142.1E**±.23	**22**		**16**	**1-3**	
JMA	IV	07 23 09 54.7±.3	37.46N±.02	142.22E±.03	22	3.2		**¶97iv1240**	
JMA	**IV**	**09 20 19 04.1**±.3	**38.84N**±.02	**144.50E**±.03	**24**	**3.0**		**¶97iv1576**	
ISC	**IV**	**10 04 59 25**±1.5	**35.78N**±.064	**142.5E**±.15	**55**±55		**39**	**1-4**	
JMA	IV	10 04 59 27.0±.2	35.86N±.01	142.30E±.03	54	3.6		**¶97iv1635**	
ISC	**IV**	**10 10 00 31**±3.4	**36.7N**±.18	**142.1E**±.29	**21**		**18**	**1-3**	
JMA	IV	10 10 00 29.0±.2	36.68N±.01	142.15E±.02	21	3.2		**¶97iv1668**	
JMA	**IV**	**10 15 20 02.6**±.2	**39.44N**±.01	**144.06E**±.02	**6**	**2.9**		**¶97iv1709**	
ISC	**IV**	**10 18 21 01**±1.3	**38.33N**±.075	**143.7E**±.13	**42**		**31**	**2-5**	
JMA	IV	10 18 21 04.3±.1	38.40N±.01	143.53E±.02	42	3.3		**¶97iv1725**	
ISC	**IV**	**10 18 31 33**±5.0	**35.9N**±.13	**142.3E**±.53	**44**		**6**	**1-3**	
JMA	IV	10 18 31 33.2±.1	35.89N±.01	142.16E±.01	44	2.8		**¶97iv1727**	
ISC	**IV**	**11 19 04 19**±2.7	**37.8N**±.10	**142.5E**±.29	**27**		**16**	**1-3**	
JMA	IV	11 19 04 18.4±.3	37.80N±.01	142.45E±.03	27	3.1		**¶97iv1957**	
ISC	**IV**	**12 00 40 26**±1.1	**39.42N**±.026	**143.53E**±.059	**21**±8.2	**4.3b,4.3s**	**146**	**1-87**	
JMA	IV	12 00 40 26.8±.4	39.42N±.01	143.58E±.02	3±4	4.3		**¶97iv1995**	
BJI	IV	12 00 40 26.8	39.47N	143.38E	35	4.6b,4.4s			
MOS	IV	12 00 40 27.9	39.5N	143.3E	33	5.2b			
NEIC	IV	12 00 40 28.0	39.49N	143.33E	33	4.5b			
EIDC	IV	12 00 40 31.2	39.4N	143.3E	47	3.7b,3.6s			
ISC	**IV**	**12 07 07 29**±2.7	**37.6N**±.13	**142.2E**±.23	**14**		**14**	**1-3**	
JMA	IV	12 07 07 27.9±.4	37.53N±.02	142.24E±.03	14	2.9		**¶97iv2026**	
ISC	**IV**	**12 21 25 00**±3.4	**35.0N**±.19	**142.3E**±.25	**63**±56		**22**	**1-5**	
JMA	IV	12 21 25 01.4±.4	35.07N±.01	142.17E±.03	50	2.9		**¶97iv2134**	
JMA	**IV**	**13 14 06 48.5**±.4	**39.70N**±.03	**144.86E**±.03	**13**	**2.9**		**¶97iv2251**	
ISC	**IV**	**14 08 27 28**±2.0	**34.76N**±.095	**142.2E**±.16	**35**±59		**50**	**1-9**	
JMA	IV	14 08 27 28.9±.5	34.77N±.02	142.11E±.05	64			**¶97iv2417**	
ISC	**IV**	**14 16 17 53**±1.5	**39.22N**±.088	**144.8E**±.16	**28**		**25**	**2-6**	
JMA	IV	14 16 17 56.7±.2	39.29N±.01	144.62E±.03	28	3.3		**¶97iv2483**	
JMA	**IV**	**15 03 26 18.6**±.5	**35.47N**±.03	**142.12E**±.04	**30**	**3.1**		**¶97iv2547**	
ISC	**IV**	**15 04 31 24**±2.0	**40.88N**±.099	**145.0E**±.24	**28**		**19**	**2-3**	
JMA	IV	15 04 31 25.9±.2	40.88N±.01	145.02E±.02	28	3.1		**¶97iv2555**	
JMA	**IV**	**15 05 42 34.0**±.5	**34.27N**±.03	**142.72E**±.03	**34**	**3.2**		**¶97iv2566**	
ISC	**IV**	**15 09 56 52**±1.3	**40.77N**±.067	**144.7E**±.13	**32**		**36**	**2-4**	
JMA	IV	15 09 56 54.1±.1	40.76N±.01	144.75E±.01	32	3.6		**¶97iv2589**	
ISC	**IV**	**15 13 48 59**±8.1	**39.5N**±.18	**143.6E**±.75	**0**		**12**	**1-3**	
JMA	IV	15 13 49 01.8±.3	39.48N±.02	143.63E±.03	0	2.9		**¶97iv2607**	
ISC	**IV**	**15 19 35 14.3**±.65	**36.91N**±.036	**142.13E**±.067	**33**±8.0	**3.7b**	**86**	**1-75**	
NEIC	IV	15 19 35 14.0	36.85N	142.06E	33			**¶97iv2640**	
JMA	IV	15 19 35 14.6±.2	36.94N±.01	141.92E±.02	26	3.9			
EIDC	IV	15 19 35 16.0	36.8N	142.0E	33	3.4b,3.5L			
ISC	**IV**	**18 19 18 03.2**±.94	**39.91N**±.070	**143.09E**±.098	**0**		**25**	**1-4**	
JMA	IV	18 19 18 06.7±.2	39.97N±.01	143.00E±.02	0	2.8		**¶97iv3108**	
ISC	**IV**	**19 06 03 31.2**±.81	**39.36N**±.051	**143.71E**±.097	**22**		**44**	**1-6**	
JMA	IV	19 06 03 34.2±.1	39.37N±.01	143.60E±.02	22	3.9		**¶97iv3164**	
JMA	**IV**	**20 14 38 10.9**±.4	**39.65N**±.03	**144.91E**±.03	**13**	**2.8**		**¶97iv3328**	

Agency		Origin Time mo	d	h	m	s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**20**	**15**	**09**	**49.4**±.93		**40.99N**±.058	**143.3E**±.11	**66**±52		**23**	**1-3**
JMA	IV	20	15	09	49.3±.1		40.99N±.01	143.25E±.02	62		¶97iv3333	
ISC	**IV**	**21**	**00**	**18**	**40**±2.9		**37.1N**±.15	**142.1E**±.24	**19**		**15**	**1-3**
JMA	IV	21	00	18	39.5±.3		37.15N±.01	142.21E±.03	19	3.0	¶97iv3378	
ISC	**IV**	**21**	**06**	**11**	**58**±1.5		**36.70N**±.073	**142.1E**±.14	**14**		**24**	**1-3**
JMA	IV	21	06	11	56.4±.3		36.67N±.01	142.13E±.03	14	3.3	¶97iv3414	
ISC	**IV**	**21**	**08**	**20**	**41**±4.1		**33.8N**±.27	**142.0E**±.20	**47**		**51**	**1-10**
JMA	IV	21	08	20	51.3±.7		34.33N±.05	141.28E±.04	47	3.6	¶97iv3428	
ISC	**IV**	**23**	**04**	**30**	**12**±3.4		**33.4N**±.18	**141.1E**±.27	**60**		**17**	**1-4**
JMA	IV	23	04	30	13.8±.4		33.53N±.02	140.97E±.03	60	3.4	¶97iv3894	
ISC	**IV**	**23**	**21**	**44**	**04**±5.8		**37.8N**±.12	**143.6E**±.57	**58**		**15**	**2-4**
JMA	IV	23	21	44	08.4±.4		37.93N±.02	143.12E±.04	58	3.1	¶97iv4029	
JMA	**IV**	**24**	**12**	**17**	**26.8**±.4		**39.30N**±.02	**144.55E**±.04	**40**	**3.0**	¶97iv4142	
JMA	**IV**	**24**	**15**	**06**	**16.3**±.6		**40.72N**±.06	**145.87E**±.06	**22**	**3.3**	¶97iv4165	
ISC	**IV**	**24**	**16**	**16**	**33**±4.1		**37.7N**±.15	**142.7E**±.39	**20**		**14**	**1-3**
JMA	IV	24	16	16	31.6±.3		37.69N±.01	142.75E±.03	20	2.9	¶97iv4174	
JMA	**IV**	**24**	**19**	**18**	**27.3**±.4		**39.37N**±.04	**144.53E**±.03	**0**	**2.9**	¶97iv4196	
ISC	**IV**	**24**	**21**	**20**	**55.9**±.89		**40.47N**±.046	**144.0E**±.11	**22**		**38**	**2-4**
JMA	IV	24	21	20	58.3±.1		40.47N±.01	144.03E±.02	22	3.3	¶97iv4210	
ISC	**IV**	**24**	**22**	**38**	**44**±2.1		**33.2N**±.12	**141.2E**±.15	**48**±23	**3.9b**	**34**	**1-57**
EIDC	IV	24	22	38	40.6		33.2N	141.4E	0	3.9b,3.7L	¶97iv4222	
JMA	IV	24	22	38	47.0±.3		33.34N±.02	140.93E±.02	59	3.6		
ISC	**IV**	**26**	**08**	**16**	**53**±2.1		**39.5N**±.15	**143.9E**±.20	**33**		**19**	**2-4**
JMA	IV	26	08	16	56.1±.2		39.51N±.01	143.72E±.02	33	3.3	¶97iv4496	
JMA	**IV**	**26**	**15**	**07**	**16.4**±.3		**39.17N**±.01	**144.72E**±.02	**33**	**3.0**	¶97iv4569	
JMA	**IV**	**27**	**01**	**32**	**17.7**±.6		**39.75N**±.07	**143.86E**±.05	**6**	**2.9**	¶97iv4640	
ISC	**IV**	**27**	**05**	**22**	**48**±4.8		**34.1N**±.19	**142.5E**±.41	**56**		**15**	**1-4**
JMA	IV	27	05	22	50.2±.3		34.07N±.03	142.31E±.03	56	2.9	¶97iv4667	
ISC	**IV**	**27**	**23**	**22**	**27**±2.5		**37.5N**±.12	**142.1E**±.26	**36**		**16**	**1-3**
JMA	IV	27	23	22	26.8±.4		37.49N±.02	142.06E±.03	36	2.8	¶97iv4805	
ISC	**IV**	**28**	**10**	**14**	**34**±4.0		**33.0N**±.27	**141.2E**±.20	**62**±45		**29**	**1-7**
JMA	IV	28	10	14	38.5±.3		33.26N±.02	140.83E±.03	50	3.2	¶97iv4894	
ISC	**V**	**01**	**10**	**43**	**44**±2.6		**37.85N**±.099	**142.5E**±.26	**35**		**19**	**1-3**
JMA	V	01	10	43	42.9±.3		37.83N±.01	142.48E±.03	35	3.0	¶97v0083	
ISC	**V**	**02**	**01**	**50**	**01**±3.4		**37.5N**±.15	**142.2E**±.34	**36**		**12**	**1-2**
JMA	V	02	01	50	01.0±.4		37.49N±.01	142.18E±.04	36	3.0	¶97v0191	
ISC	**V**	**02**	**18**	**01**	**18**±2.4		**37.1N**±.11	**142.2E**±.23	**25**		**22**	**1-4**
JMA	V	02	18	01	16.5±.4		37.12N±.02	142.26E±.03	25	2.9	¶97v0309	
JMA	**V**	**04**	**09**	**34**	**12.4**±.6		**40.61N**±.03	**144.12E**±.06	**5**	**3.0**	¶97v0612	
ISC	**V**	**04**	**13**	**00**	**15**±3.0		**37.8N**±.12	**142.3E**±.31	**38**		**13**	**1-2**
JMA	V	04	13	00	14.9±.3		37.85N±.01	142.27E±.03	38	2.8	¶97v0642	
ISC	**V**	**05**	**00**	**05**	**26**±2.6		**37.6N**±.10	**142.5E**±.26	**21**		**20**	**1-3**
JMA	V	05	00	05	26.4±.3		37.69N±.01	142.37E±.03	21	2.9	¶97v0708	
ISC	**V**	**05**	**09**	**46**	**01**±2.4		**39.43N**±.032	**144.60E**±.091	**22**±21	**3.4b**	**82**	**2-74**
EIDC	V	05	09	45	59.2		39.4N	144.7E	0	3.4b,4.3L	¶97v0767	
NEIC	V	05	09	46	01.8		39.49N	144.48E	33	3.6b		
JMA	V	05	09	46	05.2±.1		39.47N±.01	144.48E±.02	43	4.2		
NEIC	Less reliable solution.											
ISC	**V**	**05**	**19**	**15**	**01**±1.4		**38.70N**±.069	**144.5E**±.15	**31**		**29**	**2-5**
JMA	V	05	19	15	04.2±.2		38.76N±.01	144.39E±.02	31	3.4	¶97v0835	
ISC	**V**	**05**	**21**	**06**	**13**±1.6		**38.72N**±.075	**144.7E**±.16	**8**		**28**	**2-5**
JMA	V	05	21	06	20.0±.3		38.82N±.02	144.22E±.03	8	3.4	¶97v0846	
JMA	**V**	**06**	**05**	**13**	**06.8**±.6		**38.79N**±.03	**144.23E**±.05	**11**	**2.8**	¶97v0906	
ISC	**V**	**09**	**23**	**34**	**53**±2.7		**33.1N**±.17	**141.3E**±.18	**61**±28		**53**	**1-7**
JMA	V	09	23	34	58.5±.3		33.41N±.01	140.90E±.02	60	3.5	¶97v1498	
ISC	**V**	**10**	**09**	**58**	**16**±2.5		**36.9N**±.13	**142.2E**±.21	**0**		**23**	**1-3**
JMA	V	10	09	58	13.6±.4		36.86N±.01	142.32E±.03	0±4	3.1	¶97v1569	
ISC	**V**	**11**	**16**	**44**	**58**±1.1		**39.26N**±.046	**145.1E**±.12	**47**		**51**	**3-7**
JMA	V	11	16	45	01.7±.2		39.31N±.01	144.95E±.02	47	3.7	¶97v1810	
ISC	**V**	**11**	**19**	**03**	**13**±1.9		**37.90N**±.077	**142.3E**±.21	**24**		**18**	**1-3**
JMA	V	11	19	03	11.1±.3		37.88N±.01	142.33E±.02	24±4	3.1	¶97v1827	
ISC	**V**	**12**	**15**	**27**	**59**±1.7		**40.47N**±.024	**143.91E**±.059	**10**±11	**4.2b**,4.3s	**124**	**2-86**
BJI	V	12	15	28	01.8		40.41N	143.39E	15	4.6b,4.4s	¶97v1996	
JMA	V	12	15	28	01.9±.1		40.48N±.01	143.98E±.02	10	4.4		
NEIC	V	12	15	28	02.7		40.47N	143.76E	33	4.2b		
MOS	V	12	15	28	03.0		40.5N	143.7E	33	5.1b		
EIDC	V	12	15	28	04.1		40.5N	143.8E	27	3.8b,3.7L		
ISC	**V**	**13**	**04**	**25**	**22.0**±.81		**40.48N**±.046	**144.0E**±.11	**9**		**36**	**2-6**
JMA	V	13	04	25	24.9±.1		40.50N±.01	143.96E±.02	9	3.7	¶97v2126	
ISC	**V**	**13**	**12**	**16**	**08.8**±.99		**40.48N**±.063	**144.0E**±.13	**17**		**24**	**2-4**
JMA	V	13	12	16	11.5±.2		40.49N±.01	143.94E±.03	17	2.9	¶97v2249	
JMA	**V**	**14**	**23**	**55**	**41.7**±.4		**39.55N**±.04	**144.62E**±.04	**0**	**2.8**	¶97v2525	
JMA	**V**	**16**	**12**	**18**	**46.1**±.4		**40.74N**±.03	**143.94E**±.04	**0**	**2.8**	¶97v2772	
ISC	**V**	**18**	**01**	**44**	**08**±6.7		**37.5N**±.11	**142.1E**±.25	**13**±44		**17**	**1-2**
JMA	V	18	01	44	09.6±.3		37.55N±.01	141.96E±.03	35	2.9	¶97v3014	
ISC	**V**	**18**	**04**	**51**	**21**±2.2		**34.3N**±.13	**142.0E**±.16	**55**		**28**	**1-5**
JMA	V	18	04	51	20.6±.6		34.26N±.03	141.91E±.05	55	3.1	¶97v3026	
ISC	**V**	**18**	**06**	**08**	**19**±5.6		**37.7N**±.23	**142.6E**±.50	**25**		**13**	**1-2**
JMA	V	18	06	08	19.7±.5		37.79N±.02	142.50E±.04	25	2.8	¶97v3033	
ISC	**V**	**18**	**07**	**19**	**34**±1.9		**37.16N**±.081	**142.2E**±.19	**14**		**22**	**1-3**
JMA	V	18	07	19	31.8±.3		37.12N±.01	142.31E±.03	14	3.2	¶97v3047	
JMA	**V**	**18**	**19**	**52**	**39.7**±.4		**38.93N**±.02	**144.58E**±.03	**17**	**3.0**	¶97v3141	
ISC	**V**	**18**	**20**	**30**	**56.3**±.83		**40.28N**±.074	**143.3E**±.13	**0**		**21**	**1-4**
JMA	V	18	20	30	59.4±.1		40.29N±.01	143.24E±.02	0	3.0	¶97v3145	
ISC	**V**	**19**	**02**	**09**	**25**±1.2		**34.19N**±.031	**141.67E**±.042	**28**±7.9	**4.7b,5.2s**	**287**	**1-162**
JMA	V	19	02	09	22.8±.6		34.07N±.03	141.85E±.05	60	4.2	¶97v3179	
BJI	V	19	02	09	23.7		34.11N	141.48E	31	4.8b,4.9s		
NEIC	V	19	02	09	24.8		34.07N	141.50E	33	4.8b,5.4s		
MOS	V	19	02	09	24.9		34.1N	141.5E	33	5.2b,5.0s		
EIDC	V	19	02	09	27.4		34.1N	141.6E	45	4.2b,3.5L		
ISC	**V**	**19**	**04**	**41**	**42**±3.3		**34.2N**±.21	**141.5E**±.23	**47**		**19**	**1-5**
JMA	V	19	04	41	43.8±.7		34.32N±.04	141.40E±.06	47	3.1	¶97v3197	
ISC	**V**	**19**	**08**	**44**	**33**±2.7		**34.09N**±.073	**141.9E**±.10	**18**±20	**4.0b**	**50**	**1-148**
EIDC	V	19	08	44	32.8		34.0N	141.7E	0	4.0b,3.3L	¶97v3228	
JMA	V	19	08	44	34.1±.3		34.10N±.01	141.90E±.02	53	3.5		
NEIC	V	19	08	44	35.3		34.10N	141.82E	33			
NEIC	Less reliable solution.											
ISC	**V**	**19**	**10**	**22**	**08.1**±.46		**34.22N**±.036	**141.74E**±.049	**56**	**3.9b**	**90**	**1-148**
EIDC	V	19	10	22	03.6		34.0N	141.8E	0	3.9b,3.3L	¶97v3241	
JMA	V	19	10	22	05.6±.4		34.06N±.02	141.85E±.04	56	3.7		
BJI	V	19	10	22	05.9		33.80N	141.80E	39	4.0b,4.4s		
MOS	V	19	10	22	06.0		34.1N	141.9E	33	4.8b		
NEIC	V	19	10	22	06.3		34.04N	141.77E	33	4.3b		
ISC	**V**	**20**	**00**	**46**	**25.5**±.78		**39.54N**±.050	**143.54E**±.097	**10**		**36**	**1-5**
JMA	V	20	00	46	29.0±.1		39.57N±.01	143.45E±.02	10	3.5	¶97v3331	
ISC	**V**	**20**	**03**	**31**	**53**±1.8		**34.1N**±.12	**141.6E**±.14	**65**±23		**39**	**1-10**
JMA	V	20	03	31	56.6±.6		34.29N±.03	141.26E±.06	65		¶97v3348	
JMA	**V**	**20**	**16**	**55**	**31.8**±.5		**40.01N**±.04	**144.81E**±.04	**22**	**3.1**	¶97v3439	
ISC	**V**	**21**	**08**	**41**	**51**±8.8		**34.1N**±.10	**142.0E**±.15	**3**±57	**3.8b**	**35**	**1-58**
JMA	V	21	08	41	54.4±.4		34.13N±.02	141.84E±.04	55	3.5	¶97v3534	
EIDC	V	21	08	41	55.7		34.0N	139.1E	0	3.7b		
ISC	**V**	**22**	**21**	**12**	**09.2**±.66		**34.15N**±.045	**141.88E**±.056	**52**	**3.8b**	**83**	**1-148**
EIDC	V	22	21	12	05.9		34.1N	141.7E	0	3.6b,3.4L	¶97v3834	
JMA	V	22	21	12	08.6±.3		34.05N±.01	141.82E±.03	52	3.8		
NEIC	V	22	21	12	09.3		34.07N	141.67E	33	4.2b		
NEIC	Less reliable solution.											
ISC	**V**	**22**	**21**	**58**	**43**±2.5		**37.69N**±.094	**142.3E**±.25	**35**		**20**	**1-3**
JMA	V	22	21	58	43.1±.3		37.73N±.01	142.19E±.03	35	3.0	¶97v3839	
ISC	**V**	**23**	**08**	**10**	**18.9**±.80		**40.60N**±.042	**144.0E**±.11	**8**		**37**	**2-5**
JMA	V	23	08	10	22.0±.2		40.63N±.01	143.99E±.02	8±3	3.4	¶97v3914	
ISC	**V**	**24**	**01**	**56**	**53**±3.1		**37.1N**±.16	**142.2E**±.25	**18**		**16**	**1-3**
JMA	V	24	01	56	51.6±.4		37.08N±.02	142.32E±.03	18	3.0	¶97v4036	
ISC	**V**	**24**	**05**	**15**	**37.5**±.83		**33.65N**±.022	**142.18E**±.030	**18**±5.4	**5.6b,4.9s**	**632**	**1-162**
EIDC	V	24	05	15	35.3		33.5N	142.1E	0	5.4b,4.2s	¶97v4058	
BJI	V	24	05	15	37.5		33.67N	141.76E	15	5.5b,4.9s		
JMA	V	24	05	15	38.0±.5		33.54N±.02	142.19E±.04	44	5.0		
NEIC	V	24	05	15	39.3		33.56N	142.02E	33	5.5b,4.8s		
MOS	V	24	05	15	40.0		33.6N	142.1E	38	6.1b,5.0s		
HRVD	V	24	05	15	40.6±.4		33.76N±.09	142.11E±.06	15			
NEIC	Mw5.3(HRV).											
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c34; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.94±.43; $M_{\theta\theta}$0.11±.46; $M_{\phi\phi}$6.83±.44; $M_{r\theta}$−2.93±1.68; $M_{r\phi}$−4.63±2.02; $M_{\theta\phi}$−3.42±.56. Principal Axes: T 8.97,Plg13°,Azm73°; N 0.88,Plg26°,Azm169°; P −9.85,Plg61°,Azm319°. Best double couple: $M_0$9.4×10^{16}Nm, NP1: ϕ_s133°,δ39°,λ−133°. NP2:ϕ_s4°,δ62°,λ−61°.											
ISC	**V**	**24**	**07**	**25**	**41.0**±.71		**33.73N**±.056	**142.17E**±.068	**44**	**3.9b**	**48**	**1-92**
EIDC	V	24	07	25	37.2		33.5N	142.0E	0	3.8b,3.3L	¶97v4073	
JMA	V	24	07	25	39.1±.5		33.57N±.03	142.21E±.05	44	3.7		
NEIC	V	24	07	25	39.8		33.52N	141.99E	33			
NEIC	Less reliable solution.											
ISC	**V**	**24**	**17**	**19**	**44**±1.2		**40.77N**±.090	**143.9E**±.20	**47**		**15**	**1-3**
JMA	V	24	17	19	45.5±.2		40.78N±.01	143.84E±.03	47	2.8	¶97v4146	
ISC	**V**	**25**	**02**	**06**	**53**±3.9		**37.8N**±.16	**142.3E**±.39	**29**		**13**	**1-2**
JMA	V	25	02	06	52.0±.3		37.82N±.01	142.34E±.03	29	3.0	¶97v4200	
JMA	**V**	**25**	**09**	**36**	**03.3**±.5		**34.15N**±.03	**141.34E**±.04	**44**	**3.4**	¶97v4253	
ISC	**V**	**26**	**00**	**15**	**48**±2.1		**33.4N**±.13	**141.1E**±.23	**60**±26	3.7b	**14**	**1-57**
JMA	V	26	00	15	50.5±.5		33.53N±.03	140.88E±.04	39	3.1	¶97v4340	
EIDC	V	26	00	16	14.0		29.1N	141.4E	0	3.9b		
ISC	**V**	**26**	**21**	**29**	**10**±1.4		**39.83N**±.075	**145.0E**±.16	**43**		**28**	**2-6**
JMA	V	26	21	29	13.2±.2		39.90N±.01	144.88E±.02	43	3.3	¶97v4469	
ISC	**V**	**27**	**21**	**36**	**18**±3.2		**37.8N**±.14	**142.3E**±.31	**26**		**14**	**1-2**
JMA	V	27	21	36	18.1±.4		37.83N±.02	142.31E±.03	26	2.8	¶97v4613	
ISC	**V**	**28**	**05**	**32**	**05**±2.3		**34.4N**±.13	**141.9E**±.19	**42**±56		**31**	**1-6**
JMA	V	28	05	32	04.3±.7		34.33N±.04	141.90E±.05	52	3.2	¶97v4665	
JMA	**V**	**30**	**18**	**19**	**51.2**±.9		**35.35N**±.06	**142.38E**±.06	**20**	**2.9**	¶97v5075	
ISC	**V**	**31**	**03**	**33**	**41**±3.4		**37.8N**±.16	**142.4E**±.29	**14**		**14**	**1-2**
JMA	V	31	03	33	40.8±.4		37.89N±.02	142.43E±.03	14	2.8	¶97v5145	
ISC	**VI**	**01**	**12**	**08**	**28**±4.0		**33.6N**±.22	**142.4E**±.30	**60**		**20**	**2-6**
JMA	VI	01	12	08	28.8±.4		33.61N±.02	142.39E±.03	60	3.3	¶97vi0077	
ISC	**VI**	**01**	**20**	**19**	**10**±3.3		**34.0N**±.15	**141.9E**±.27	**34**		**19**	**1-4**
JMA	VI	01	20	19	09.6±.5		34.04N±.02	141.87E±.04	34	2.9	¶97vi0132	
ISC	**VI**	**01**	**20**	**59**	**03.6**±.72		**36.20N**±.042	**142.33E**±.076	**58**	**3.7b**	**69**	**1-60**
JMA	VI	01	20	59	04.8±.3		36.23N±.01	142.13E±.03	58	3.6	¶97vi0133	
EIDC	VI	01	20	59	10.4		36.4N	141.4E	0	3.6b,3.1s		
NEIC	VI	01	20	59	12.7		36.39N	141.41E	33			
JMA	**VI**	**01**	**21**	**00**	**45.8**±.9		**36.31N**±.04	**142.23E**±.08	**60**	**3.0**	¶97vi0134	
ISC	**VI**	**02**	**14**	**39**	**03**±3.7		**37.1N**±.16	**142.2E**±.33	**32**		**16**	**1-3**
JMA	VI	02	14	39	02.3±.2		37.14N±.01	142.21E±.02	32	2.9	¶97vi0253	
ISC	**VI**	**02**	**21**	**17**	**14**±5.8		**33.5N**±.29	**142.5E**±.45	**82**		**18**	**2-6**
JMA	VI	02	21	17	17.3±.6		33.69N±.03	142.30E±.05	82		¶97vi0330	
ISC	**VI**	**03**	**01**	**42**	**59**±3.7		**37.3N**±.16	**142.1E**±.37	**28**		**10**	**1-2**
JMA	VI	03	01	42	57.4±.3		37.27N±.01	142.22E±.03	28	2.9	¶97vi0369	
ISC	**VI**	**03**	**12**	**10**	**01**±1.6		**40.24N**±.024	**143.80E**±.059	**5**±9.4	**4.6b,4.8s**	**178**	**2-89**
EIDC	VI	03	12	10	01.7		40.3N	143.7E	0	4.1b,3.7L	¶97vi0448	
JMA	VI	03	12	10	03.7±.3		40.22N±.01	143.96E±.02	12±5	4.4		
BJI	VI	03	12	10	04.8		40.31N	143.58E	35	4.9b,4.8s		
MOS	VI	03	12	10	05.2		40.3N	143.6E	33	5.3b,4.8s		
NEIC	VI	03	12	10	05.2		40.27N	143.54E	33	4.3b		
ISC	**VI**	**03**	**12**	**11**	**37**±12		**40.4N**±.94	**143.9E**±.37	**5**		**11**	**2-4**
JMA	VI	03	12	11	39.6±.4		40.37N±.03	143.87E±.03	5	3.8	¶97vi0449	
ISC	**VI**	**03**	**12**	**19**	**57.4**±.85		**40.22N**±.051	**144.0E**±.11	**17**		**35**	**2-4**
JMA	VI	03	12	20	00.2±.1		40.23N±.01	143.93E±.02	17	3.2	¶97vi0450	
ISC	**VI**	**04**	**09**	**23**	**07**±10		**39.5N**±.14	**143.9E**±.97	**6**		**16**	**2-4**
JMA	VI	04	09	23	10.6±.5		39.48N±.02	143.82E±.03	6±5	3.1	¶97vi0591	
JMA	**VI**	**04**	**09**	**47**	**53.4**±.3		**39.49N**±.02	**143.59E**±.03	**0**	**2.8**	¶97vi0595	
ISC	**VI**	**05**	**09**	**30**	**53.0**±.86		**40.22N**±.050	**143.9E**±.10	**13**		**35**	**2-5**
JMA	VI	05	09	30	56.0±.1		40.23N±.01	143.90E±.02	13	3.4	¶97vi0743	
ISC	**VI**	**06**	**06**	**26**	**36**±5.5		**34.03N**±.080	**142.0E**±.11	**8**±33	**4.0b**	**69**	**1-67**
EIDC	VI	06	06	26	37.2		34.1N	142.1E	0	4.0b,3.6L	¶97vi0896	
JMA	VI	06	06	26	38.1±.3		34.01N±.02	141.97E±.02	45	3.7		
NEIC	VI	06	06	26	40.0		34.08N	141.88E	33			
NEIC	Single network solution.											
ISC	**VI**	**06**	**13**	**55**	**24**±6.6		**36.7N**±.26	**143.9E**±.56	**58**		**17**	**2-4**
JMA	VI	06	13	55	23.6±.5		36.62N±.02	143.80E±.04	58	3.3	¶97vi0943	
ISC	**VI**	**08**	**00**	**31**	**01**±1.5		**40.15N**±.097	**143.4E**±.17	**0**		**18**	**1-3**
JMA	VI	08	00	31	03.7±.3		40.11N±.02	143.45E±.03	0	3.0	¶97vi1159	
ISC	**VI**	**08**	**06**	**35**	**10**±2.8		**37.2N**±.15	**142.1E**±.26	**20**		**14**	**1-3**
JMA	VI	08	06	35	08.1±.4		37.17N±.02	142.15E±.04	20	2.8	¶97vi1188	
ISC	**VI**	**11**	**20**	**58**	**51**±4.1		**33.4N**±.23	**142.2E**±.31	**63**±63		**26**	**2-6**
JMA	VI	11	20	58	53.5±.6		33.52N±.02	142.04E±.06	68		¶97vi1752	
ISC	**VI**	**13**	**17**	**54**	**13.2**±.33		**33.53N**±.025	**142.63E**±.035	**42**±1.1*	**4.4b,3.9s**	**187**	**2-153**
JMA	VI	13	17	54	11.7±.3		33.43N±.02	142.67E±.02	64		¶97vi2021	
BJI	VI	13	17	54	14.4		33.27N	142.30E	43	4.5b,4.2s		
MOS	VI	13	17	54	14.7		33.3N	142.4E	39	5.0b		
NEIC	VI	13	17	54	14.8		33.29N	142.28E	42	4.8b		
EIDC	VI	13	17	54	15.9		33.4N	142.4E	42	3.9b,3.5s		
ISC	**VI**	**14**	**02**	**04**	**49**±2.9		**37.5N**±.13	**142.3E**±.27	**21**		**16**	**1-3**
JMA	VI	14	02	04	47.3±.4		37.46N±.02	142.43E±.04	21	2.9	¶97vi2072	
JMA	**VI**	**14**	**15**	**47**	**32.4**±.5		**37.63N**±.02	**144.80E**±.05	**49**	**3.3**	¶97vi2142	
ISC	**VI**	**14**	**21**	**32**	**35**±3.0		**37.0N**±.15	**142.2E**±.28	**38**		**17**	**1-3**
JMA	VI	14	21	32	33.9±.3		37.02N±.01	142.21E±.02	38	2.8	¶97vi2178	
ISC	**VI**	**15**	**21**	**15**	**58**±2.5		**40.7N**±.11	**145.6E**±.27	**53**		**18**	**2-4**
JMA	VI	15	21	16	00.2±.2		40.71N±.01	145.52E±.02	53	3.1	¶97vi2357	
ISC	**VI**	**15**	**23**	**56**	**06**±2.1		**37.83N**±.082	**142.3E**±.22	**23**		**16**	**1-3**
JMA	VI	15	23	56	04.2±.4		37.82N±.01	142.40E±.04	23	3.2	¶97vi2378	
EIDC	**VI**	**16**	**14**	**00**	**05.7**		**38.9N**	**146.6E**	**0**	**4.0b**	**30-69**	
											¶97vi2474	
ISC	**VI**	**17**	**02**	**04**	**40**±3.4		**37.0N**±.17	**142.3E**±.29	**38**		**16**	**1-3**
JMA	VI	17	02	04	39.4±.4		37.07N±.02	142.28E±.03	38	2.9	¶97vi2539	

ISC	**VI**	**18 10 39 12.7**±.80	**39.29N**±.048	**143.72E**±.091	**7**		**42**	**1-5**
JMA	VI	18 10 39 16.5±.4	39.35N±.01	143.61E±.01	7±4	3.4		**¶97vi2776**
ISC	**VI**	**19 01 30 41.7**±.83	**39.80N**±.053	**143.47E**±.099	**0**		**32**	**1-5**
JMA	VI	19 01 30 44.5±.1	39.79N±.01	143.49E±.02	0	3.4		**¶97vi2853**
JMA	**VI**	**19 20 59 34.6**±.4	**39.79N**±.02	**144.95E**±.03	**24**	**3.1**		**¶97vi2955**
JMA	**VI**	**20 11 35 31.0**±.5	**39.37N**±.04	**144.59E**±.05	**0**	**2.9**		**¶97vi3049**
ISC	**VI**	**20 19 07 47**±3.9	**34.0N**±.16	**141.9E**±.33	**43**		**17**	**1-4**
JMA	VI	20 19 07 47.3±.6	33.97N±.02	141.83E±.05	43	3.2		**¶97vi3101**
ISC	**VI**	**20 20 16 28.4**±.41	**34.10N**±.032	**141.74E**±.041	**46**±3.6*	**4.2b,4.1s**	**141**	**1-148**
BJI	VI	20 20 16 24.3	33.96N	141.76E	23	4.5b,4.3s		**¶97vi3108**
JMA	VI	20 20 16 25.8±.4	33.96N±.02	141.87E±.03	51	4.0		
NEIC	VI	20 20 16 26.3	33.95N	141.68E	23	4.6b		
MOS	VI	20 20 16 27.9	33.9N	141.6E	32	4.7b		
EIDC	VI	20 20 16 29.4	34.0N	141.7E	33	3.9b,3.7L		
ISC	**VI**	**21 14 14 30**±2.6	**34.5N**±.17	**141.3E**±.17	**61**		**33**	**0-5**
JMA	VI	21 14 14 32.0±.5	34.60N±.03	141.04E±.04	61±3			**¶97vi3232**
JMA	**VI**	**22 00 24 23.9**±.3	**39.07N**±.03	**144.41E**±.02	**0**	**2.8**		**¶97vi3295**
ISC	**VI**	**22 08 25 52.4**±.99	**39.83N**±.023	**143.37E**±.057	**31**±8.1	**4.2b,3.8s**	**145**	**1-87**
MOS	VI	22 08 25 51.7	39.8N	143.2E	24	5.0b		**¶97vi3349**
BJI	VI	22 08 25 52.1	40.08N	143.09E	28	4.6b,3.9s		
JMA	VI	22 08 25 52.5±.1	39.86N±.01	143.33E±.02	0	4.2		
NEIC	VI	22 08 25 52.5	39.88N	143.15E	29	4.6b		
EIDC	VI	22 08 25 54.8	39.8N	143.2E	31	3.8b,3.7L		
ISC	**VI**	**22 08 53 30**±1.8	**34.3N**±.10	**141.6E**±.15	**40**±42		**35**	**1-6**
JMA	VI	22 08 53 32.1±.5	34.43N±.02	141.31E±.04	64±5			**¶97vi3354**
ISC	**VI**	**22 20 31 39.2**±.91	**39.83N**±.057	**143.4E**±.10	**0**		**26**	**1-4**
JMA	VI	22 20 31 42.6±.2	39.85N±.01	143.36E±.02	0	3.0		**¶97vi3434**
ISC	**VI**	**24 04 36 39.3**±.51	**33.52N**±.044	**142.53E**±.046	**40**±2.1*	**4.0b**	**86**	**2-83**
JMA	VI	24 04 36 34.7±.3	33.32N±.02	142.78E±.03	45	3.9		**¶97vi3638**
MOS	VI	24 04 36 38.2	33.4N	142.5E	33	4.2b		
NEIC	VI	24 04 36 39.7	33.40N	142.44E	41	4.0b		
EIDC	VI	24 04 36 41.7	33.4N	142.5E	37	3.9b,3.7L		
NEIC	Less reliable solution.							
ISC	**VI**	**24 07 23 40**±2.9	**40.0N**±.11	**145.7E**±.31	**51**		**28**	**3-5**
JMA	VI	24 07 23 44.2±.3	40.02N±.01	145.48E±.03	51	3.3		**¶97vi3669**
ISC	**VI**	**25 15 28 01**±2.3	**39.9N**±.13	**145.0E**±.24	**51**		**21**	**2-4**
JMA	VI	25 15 28 03.9±.3	39.95N±.01	144.91E±.03	51	2.9		**¶97vi3975**
JMA	**VI**	**26 00 48 36.6**±.8	**40.18N**±.03	**145.15E**±.08	**62**			**¶97vi4059**
ISC	**VI**	**26 16 23 50**±2.6	**37.3N**±.12	**142.0E**±.23	**10**		**12**	**1-2**
JMA	VI	26 16 23 48.5±.3	37.23N±.01	142.15E±.02	10	2.8		**¶97vi4171**
JMA	**VI**	**27 09 32 08.6**±.6	**35.95N**±.03	**142.94E**±.04	**73**			**¶97vi4270**
ISC	**VI**	**27 10 27 34**±1.2	**40.32N**±.086	**143.4E**±.18	**12**		**20**	**1-4**
JMA	VI	27 10 27 36.7±.2	40.33N±.01	143.35E±.03	12	2.8		**¶97vi4279**
ISC	**VI**	**28 01 02 38**±2.4	**37.2N**±.12	**142.1E**±.21	**16**		**16**	**1-3**
JMA	VI	28 01 02 36.1±.3	37.21N±.01	142.20E±.03	16	2.8		**¶97vi4391**
JMA	**VI**	**28 20 24 35.8**±.5	**34.27N**±.04	**141.90E**±.04	**33**	**3.2**		**¶97vi4518**
ISC	**VI**	**29 05 40 41.9**±.97	**39.65N**±.063	**143.6E**±.11	**0**		**30**	**1-5**
JMA	VI	29 05 40 45.3±.1	39.68N±.01	143.54E±.02	0	3.5		**¶97vi4576**
JMA	**VI**	**29 12 10 50.3**±.7	**34.16N**±.04	**141.26E**±.05	**41**	**2.8**		**¶97vi4623**
ISC	**VI**	**29 16 43 32**±6.6	**37.2N**±.18	**142.3E**±.62	**28**		**9**	**1-2**
JMA	VI	29 16 43 31.5±.3	37.23N±.01	142.26E±.03	28	2.8		**¶97vi4643**
ISC	**VI**	**29 22 31 00**±1.6	**33.99N**±.080	**141.8E**±.13	**56**±13	**3.7b**	**46**	**1-80**
NEIC	VI	29 22 30 57.3	33.84N	141.77E	33			**¶97vi4673**
JMA	VI	29 22 31 00.1±.4	33.99N±.02	141.75E±.04	74			
EIDC	VI	29 22 31 02.7	34.0N	141.5E	61	3.5b,3.2L		
NEIC	Less reliable solution.							
ISC	**VI**	**30 09 27 23.0**±.89	**40.46N**±.052	**144.1E**±.11	**18**		**36**	**2-4**
JMA	VI	30 09 27 25.5±.2	40.46N±.01	144.07E±.02	18±5	3.4		**¶97vi4741**
ISC	**VI**	**30 12 31 45.9**±.88	**36.93N**±.044	**144.89E**±.089	**54**	**3.8b**	**62**	**3-61**
JMA	VI	30 12 31 48.6±.3	36.99N±.01	144.57E±.03	54	3.5		**¶97vi4761**
EIDC	VI	30 12 32 09.1	34.2N	134.9E	0	3.7b,3.2L		

(230) Near south coast of Honshū.

ISC	**I**	**01 22 11 22**±1.5	**35.3N**±.18	**139.3E**±.30	**152**		**9**	**0-2**
JMA	I	01 22 11 22.0±.3	35.31N±.01	139.30E±.03	152±2			**¶97i0127**
JMA	**I**	**02 02 05 56.4**±.4	**35.15N**±.02	**139.96E**±.04	**85**±3			**¶97i0150**
ISC	**I**	**02 12 55 29.3**±.58	**35.32N**±.040	**139.08E**±.047	**12**±6.1		**25**	**0-2**
JMA	I	02 12 55 29.5±.1	35.31N±.01	139.07E±.01	15±2	2.8		**¶97i0214**
ISC	**I**	**02 16 02 57**±2.5	**35.0N**±.12	**139.30E**±.098	**174**±23		**34**	**0-4**
JMA	I	02 16 02 59.8±.2	35.14N±.01	139.31E±.01	151±2			**¶97i0237**
ISC	**I**	**02 16 06 46.1**±.69	**34.87N**±.059	**137.88E**±.040	**7**±7.3		**24**	**0-2**
JMA	I	02 16 06 46.1±.0	34.85N±.00	137.88E±.00	20±1	2.8		**¶97i0239**
ISC	**I**	**03 16 26 51**±5.6	**35.1N**±.29	**139.7E**±.24	**86**±51		**10**	**0-2**
JMA	I	03 16 26 49.3±.4	35.00N±.03	139.64E±.03	99±4			**¶97i0403**
ISC	**I**	**03 17 48 20.4**±.99	**35.35N**±.053	**139.32E**±.053	**168**±11		**55**	**0-5**
JMA	I	03 17 48 22.2±.1	35.37N±.01	139.28E±.01	149±2	3.1		**¶97i0409**
JMA	**I**	**06 04 41 35.5**±.6	**34.63N**±.03	**138.58E**±.07	**211**			**¶97i0750**
ISC	**I**	**07 06 45 37**±1.6	**34.37N**±.070	**139.79E**±.096	**106**±18		**22**	**0-2**
JMA	I	07 06 45 37.4±.2	34.37N±.01	139.75E±.01	101±2			**¶97i0891**
ISC	**I**	**07 18 06 03**±2.7	**35.5N**±.26	**139.8E**±.32	**77**		**5**	**1-1**
JMA	I	07 18 06 04.0±.4	35.60N±.02	139.73E±.03	77±4			**¶97i0958**
ISC	Poorly determined							
ISC	**I**	**09 02 50 10**±2.9	**35.80N**±.078	**139.3E**±.19	**70**±31		**10**	**0-1**
JMA	I	09 02 50 10.5±.1	35.80N±.00	139.30E±.01	66±1			**¶97i1156**
ISC	**I**	**09 05 14 22**±2.6	**35.90N**±.075	**139.6E**±.12	**89**±33		**13**	**0-1**
JMA	I	09 05 14 22.6±.1	35.91N±.01	139.61E±.01	82±2			**¶97i1171**
ISC	**I**	**09 19 27 02**±4.5	**35.8N**±.18	**139.2E**±.21	**130**±45		**9**	**0-1**
JMA	I	09 19 27 02.5±.2	35.79N±.01	139.14E±.01	120±2			**¶97i1267**
ISC	**I**	**11 12 07 07**±3.0	**35.7N**±.10	**139.3E**±.16	**167**±29		**23**	**0-4**
JMA	I	11 12 07 09.6±.2	35.72N±.01	139.31E±.02	140±2			**¶97i1516**
JMA	**I**	**11 21 00 28.6**±.2	**35.74N**±.01	**139.91E**±.02	**105**±2			**¶97i1580**
ISC	**I**	**11 21 52 51**±4.6	**35.2N**±.17	**139.2E**±.25	**174**±42		**17**	**0-5**
JMA	I	11 21 52 52.7±.2	35.28N±.01	139.22E±.02	159±2			**¶97i1583**
JMA	**I**	**12 15 49 04.2**±.4	**35.69N**±.02	**139.83E**±.02	**82**±3			**¶97i1705**
ISC	**I**	**12 18 09 38.6**±.56	**35.90N**±.032	**139.56E**±.054	**62**±13		**39**	**0-4**
JMA	I	12 18 09 38.4±.1	35.92N±.00	139.56E±.01	63±2			**¶97i1724**
ISC	**I**	**13 00 00 55**±1.5	**35.86N**±.063	**139.75E**±.096	**133**±19		**22**	**0-4**
JMA	I	13 00 00 56.1±.1	35.84N±.01	139.74E±.01	118±2			**¶97i1753**
ISC	**I**	**13 02 15 36**±5.0	**34.0N**±.41	**139.0E**±.51	**26**±37		**8**	**0-2**
JMA	I	13 02 15 34.4±.3	33.92N±.01	138.84E±.02	19±4	2.8		**¶97i1769**
ISC	Poorly determined							
JMA	**I**	**13 04 24 43.0**±.4	**35.73N**±.02	**139.87E**±.02	**63**±3			**¶97i1778**
ISC	**I**	**13 20 02 39**±2.2	**34.1N**±.15	**137.14E**±.085	**378**±19		**55**	**0-7**
JMA	I	13 20 02 39.9±.4	34.18N±.03	137.11E±.02	370±4			**¶97i1890**
ISC	**I**	**14 06 53 44.2**±.39	**35.60N**±.027	**139.61E**±.036	**24**±5.3		**58**	**0-5**
JMA	I	14 06 53 44.2±.1	35.61N±.01	139.54E±.01	30±2	3.5		**¶97i1965**
ISC	**I**	**14 21 48 06**±2.6	**35.65N**±.091	**139.8E**±.17	**78**±37		**10**	**0-1**
JMA	I	14 21 48 06.4±.2	35.65N±.01	139.73E±.02	75±2			**¶97i2064**
ISC	**I**	**15 08 29 05**±1.3	**35.09N**±.065	**139.34E**±.064	**170**±13		**53**	**0-5**
JMA	I	15 08 29 06.4±.1	35.13N±.01	139.31E±.01	154±1			**¶97i2124**
ISC	**I**	**15 11 31 19**±4.1	**35.3N**±.16	**139.7E**±.10	**80**±55		**14**	**0-2**
JMA	I	15 11 31 17.8±.3	35.24N±.02	139.70E±.02	99±3			**¶97i2148**
ISC	**I**	**15 19 50 44**±1.4	**35.3N**±.16	**139.5E**±.26	**103**		**7**	**0-2**
JMA	I	15 19 50 44.4±.4	35.34N±.02	139.49E±.03	103±3			**¶97i2203**
ISC	**I**	**15 21 16 42**±4.9	**33.1N**±.37	**137.5E**±.32	**402**±20		**44**	**2-12**
JMA	I	15 21 16 39.8±.3	32.93N±.03	137.39E±.04	417±3			**¶97i2211**
ISC	**I**	**16 02 27 04**±4.0	**35.7N**±.14	**139.8E**±.20	**106**±42		**14**	**0-2**
JMA	I	16 02 27 04.7±.2	35.67N±.01	139.75E±.01	101±2			**¶97i2243**
ISC	**I**	**16 08 19 55**±1.9	**35.76N**±.055	**139.89E**±.069	**121**±24		**35**	**0-4**
JMA	I	16 08 19 56.2±.2	35.78N±.01	139.88E±.01	110±2			**¶97i2275**
ISC	**I**	**16 10 21 42.8**±.47	**34.80N**±.040	**137.16E**±.034	**51**±14		**50**	**0-4**
JMA	I	16 10 21 42.5±.0	34.82N±.01	137.17E±.00	52±2	3.1		**¶97i2293**
ISC	**I**	**16 20 26 59.9**±.46	**35.97N**±.028	**139.98E**±.048	**65**±12		**54**	**1-4**
JMA	I	16 20 26 59.9±.1	35.98N±.01	139.95E±.01	61±2	3.5		**¶97i2354**
NEIC	I	16 20 27 01.2	36.05N	139.95E	33			
NEIC	Single network solution.							
ISC	**I**	**19 03 56 10.0**±.55	**34.54N**±.031	**139.27E**±.045	**5**±5.7		**40**	**0-3**
JMA	I	19 03 56 10.4±.1	34.53N±.01	139.26E±.01	3±2	2.8		**¶97i2773**
ISC	**I**	**19 03 58 56.8**±.56	**34.52N**±.036	**139.28E**±.047	**7**±5.9		**29**	**0-2**
JMA	I	19 03 58 57.3±.1	34.52N±.01	139.25E±.01	7±3	3.0		**¶97i2775**
ISC	**I**	**19 03 59 14.3**±.54	**34.51N**±.034	**139.27E**±.044	**9**±5.3		**39**	**0-2**
JMA	I	19 03 59 14.8±.1	34.52N±.01	139.25E±.01	4±2	3.2		**¶97i2776**
ISC	**I**	**19 04 00 19.6**±.68	**34.53N**±.043	**139.26E**±.087	**9**±7.6		**27**	**0-2**
JMA	I	19 04 00 20.0±.1	34.54N±.01	139.27E±.01	7±3	3.2		**¶97i2777**
ISC	**I**	**19 05 49 09.3**±.57	**34.52N**±.036	**139.27E**±.048	**8**±5.8		**30**	**0-2**
JMA	I	19 05 49 09.8±.1	34.53N±.01	139.26E±.01	3±3	2.8		**¶97i2792**
ISC	**I**	**19 05 50 38**±1.3	**34.52N**±.076	**139.3E**±.27	**8**		**5**	**0-1**
JMA	I	19 05 50 38.7±.1	34.52N±.01	139.29E±.02	8±4	3.0		**¶97i2793**
ISC	Poorly determined							
ISC	**I**	**19 11 39 03.9**±.56	**34.77N**±.036	**138.54E**±.030	**13**±5.6		**41**	**0-3**
JMA	I	19 11 39 04.2±.0	34.79N±.00	138.54E±.00	21±2	3.3		**¶97i2833**
ISC	**I**	**19 19 10 20.4**±.61	**34.52N**±.038	**139.26E**±.071	**3**±8.4		**27**	**0-2**
JMA	I	19 19 10 20.8±.1	34.51N±.01	139.27E±.02	4±5	2.9		**¶97i2876**
ISC	**I**	**19 23 15 00.1**±.54	**34.52N**±.032	**139.26E**±.041	**9**±5.1		**46**	**0-4**
JMA	I	19 23 15 00.5±.1	34.54N±.01	139.25E±.01	4±2	3.2		**¶97i2902**
ISC	**I**	**20 09 09 08.8**±.42	**34.51N**±.027	**139.29E**±.030	**17**±4.3	**3.7b**	**95**	**0-67**
EIDC	I	20 09 09 08.9	34.7N	139.3E	0	3.7b,3.1L		**¶97i2973**
JMA	I	20 09 09 09.1±.1	34.52N±.00	139.26E±.01	3±2	3.8		
NEIC	I	20 09 09 11.1	34.59N	139.16E	33	3.3b		
ISC	**I**	**20 09 15 52.8**±.56	**34.51N**±.034	**139.29E**±.045	**9**±5.2		**42**	**0-3**
JMA	I	20 09 15 53.3±.1	34.52N±.00	139.27E±.01	1±2	3.0		**¶97i2975**
ISC	**I**	**20 09 32 04.2**±.57	**34.51N**±.036	**139.28E**±.047	**8**±5.7		**34**	**0-3**
JMA	I	20 09 32 04.7±.1	34.52N±.00	139.27E±.01	4±2	2.9		**¶97i2976**
ISC	**I**	**20 10 29 58.7**±.51	**34.51N**±.025	**139.31E**±.028	**9**±3.6	**4.1b**,4.0s	**131**	**0-149**
EIDC	I	20 10 29 58.3	34.6N	139.3E	0	3.9b,3.8L		**¶97i2983**
JMA	I	20 10 29 59.5±.1	34.51N±.00	139.27E±.01	6±2	3.8		
MOS	I	20 10 30 00.8	34.4N	139.4E	33	4.9b		
NEIC	I	20 10 30 01.1	34.49N	139.29E	33	3.6b		
BJI	I	20 10 30 01.9	34.65N	139.09E	17	4.6b,4.4s		
ISC	**I**	**20 10 31 34.7**±.52	**34.51N**±.032	**139.29E**±.036	**11**±4.6		**57**	**0-6**
JMA	I	20 10 31 35.3±.1	34.51N±.00	139.25E±.01	8±2	3.6		**¶97i2984**
ISC	**I**	**20 10 32 53.8**±.50	**34.51N**±.034	**139.31E**±.042	**19**±4.7	**3.7b**	**64**	**0-149**
NEIC	I	20 10 32 54.2	34.41N	139.34E	33			**¶97i2985**
JMA	I	20 10 32 54.4±.1	34.54N±.01	139.24E±.01	2±2	3.7		
EIDC	I	20 10 33 03.0	34.9N	139.3E	62	3.5b,3.0L		
ISC	**I**	**20 10 35 41.6**±.65	**34.53N**±.040	**139.24E**±.069	**2**±11		**15**	**0-2**
JMA	I	20 10 35 41.9±.1	34.53N±.00	139.26E±.01	1±3	2.9		**¶97i2987**
ISC	**I**	**20 10 56 09.2**±.53	**34.52N**±.034	**139.27E**±.041	**11**±5.0		**37**	**0-2**
JMA	I	20 10 56 09.9±.1	34.54N±.01	139.26E±.01	10±3	2.9		**¶97i2990**
ISC	**I**	**20 11 30 15.5**±.57	**34.50N**±.036	**139.27E**±.051	**8**±5.6		**33**	**0-2**
JMA	I	20 11 30 16.0±.1	34.52N±.00	139.26E±.01	1±2	2.8		**¶97i2994**
ISC	**I**	**20 11 37 49.2**±.55	**34.52N**±.034	**139.25E**±.045	**9**±5.3		**37**	**0-3**
JMA	I	20 11 37 49.7±.1	34.54N±.01	139.25E±.01	7±3	3.0		**¶97i2995**
ISC	**I**	**20 14 10 51.7**±.55	**34.52N**±.032	**139.25E**±.040	**9**±5.2		**42**	**0-4**
JMA	I	20 14 10 52.2±.1	34.54N±.01	139.25E±.01	3±2	3.2		**¶97i3014**
NEIC	I	20 14 10 52.3	34.40N	139.36E	33			
NEIC	Poor solution.							
ISC	**I**	**20 14 37 33.8**±.53	**34.49N**±.032	**139.27E**±.042	**10**±4.8	4.1b	**40**	**0-67**
JMA	I	20 14 37 34.3±.0	34.50N±.00	139.26E±.01	6±2	3.1		**¶97i3018**
ISC	**I**	**20 14 46 39.9**±.57	**34.50N**±.035	**139.28E**±.048	**8**±5.6		**33**	**0-3**
JMA	I	20 14 46 40.5±.0	34.51N±.00	139.27E±.01	7±2	2.9		**¶97i3023**
ISC	**I**	**20 15 41 12.0**±.52	**34.50N**±.031	**139.26E**±.036	**10**±4.7		**59**	**0-5**
NEIC	I	20 15 41 12.0	34.32N	139.43E	33			**¶97i3030**
JMA	I	20 15 41 12.6±.0	34.52N±.00	139.26E±.01	9±2	3.2		
NEIC	Poor solution.							
ISC	**I**	**20 15 43 50.9**±.56	**34.52N**±.039	**139.25E**±.048	**9**±5.9		**27**	**0-2**
JMA	I	20 15 43 51.3±.1	34.52N±.00	139.26E±.01	8±2	3.1		**¶97i3031**
ISC	**I**	**20 16 50 44.3**±.63	**34.50N**±.046	**139.27E**±.062	**8**±7.4		**20**	**0-2**
JMA	I	20 16 50 44.7±.0	34.50N±.00	139.27E±.01	8±2	2.8		**¶97i3046**
ISC	**I**	**20 18 07 43.3**±.63	**34.51N**±.050	**139.23E**±.075	**11**±7.8		**19**	**0-2**
JMA	I	20 18 07 43.8±.1	34.51N±.00	139.22E±.01	2±2	2.9		**¶97i3056**
ISC	**I**	**20 22 16 02.6**±.75	**34.17N**±.063	**139.42E**±.072	**13**±7.5		**24**	**0-3**
JMA	I	20 22 16 02.8±.1	34.17N±.01	139.40E±.01	16±2	2.9		**¶97i3094**
ISC	**I**	**20 22 57 14.6**±.74	**34.18N**±.061	**139.44E**±.067	**12**±7.4		**24**	**0-3**
JMA	I	20 22 57 14.5±.0	34.16N±.01	139.39E±.00	19±1	2.9		**¶97i3098**
ISC	**I**	**20 23 33 19**±2.2	**33.9N**±.39	**137.7E**±.28	**320**		**5**	**1-4**
JMA	I	20 23 33 18.9±.1	33.90N±.04	137.65E±.02	320			**¶97i3102**
ISC	**I**	**22 18 31 52.6**±.68	**34.56N**±.044	**139.49E**±.055	**8**±6.5		**27**	**0-2**
JMA	I	22 18 31 53.1±.1	34.55N±.01	139.47E±.01	14±2	2.8		**¶97i3369**
JMA	**I**	**22 20 32 02.1**±.6	**34.12N**±.05	**139.80E**±.07	**158**			**¶97i3380**
ISC	**I**	**22 23 32 18.5**±.91	**35.77N**±.047	**139.50E**±.077	**48**±23		**18**	**0-2**
JMA	I	22 23 32 18.5±.1	35.77N±.00	139.49E±.01	49±1	3.0		**¶97i3403**
ISC	**I**	**23 08 27 59.6**±.56	**34.50N**±.033	**139.29E**±.042	**8**±5.3		**43**	**0-4**
JMA	I	23 08 28 00.0±.1	34.50N±.01	139.27E±.01	2±2	3.0		**¶97i3466**
ISC	**I**	**24 12 52 20.9**±.60	**34.53N**±.037	**139.28E**±.045	**3**±6.7		**37**	**0-2**
JMA	I	24 12 52 21.3±.1	34.53N±.00	139.27E±.01	0±2	2.9		**¶97i3653**
ISC	**I**	**24 23 22 12.6**±.56	**34.94N**±.046	**137.32E**±.049	**39**±20		**24**	**0-2**
JMA	I	24 23 22 12.3±.1	34.94N±.01	137.34E±.01	46±2	3.1		**¶97i3703**
ISC	**I**	**25 00 02 25.6**±.54	**34.50N**±.033	**139.24E**±.040	**9**±5.2		**44**	**0-4**
JMA	I	25 00 02 26.1±.1	34.51N±.01	139.26E±.01	2±2	3.2		**¶97i3709**
ISC	**I**	**26 08 09 06.2**±.78	**35.29N**±.049	**139.91E**±.061	**52**±14		**29**	**0-2**
JMA	I	26 08 09 06.1±.1	35.29N±.01	139.89E±.01	53±2	3.1		**¶97i3909**
ISC	**I**	**26 10 30 59**±3.4	**36.00N**±.099	**139.1E**±.12	**160**±34		**18**	**0-2**
JMA	I	26 10 30 59.7±.2	36.00N±.01	139.10E±.01	158±2			**¶97i3929**
JMA	**I**	**27 15 53 53.0**±.2	**35.86N**±.01	**139.55E**±.02	**82**±2			**¶97i4101**
ISC	**I**	**29 01 46 15**±2.0	**36.0N**±.26	**139.6E**±.27	**76**		**4**	**0-1**
JMA	I	29 01 46 14.7±.4	35.98N±.02	139.63E±.02	76±3			**¶97i4279**
ISC	Poorly determined							
ISC	**I**	**30 03 44 21**±4.9	**34.6N**±.50	**139.0E**±.61	**220**		**6**	**1-2**
JMA	I	30 03 44 21.3±.3	34.65N±.03	139.10E±.04	220±4			**¶97i4437**
ISC	Poorly determined							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**30 21 51 33.1**±.71	**35.55N**±.040	**139.96E**±.052	**84**±10		**45**	**0-4**
JMA	I	30 21 51 33.1±.1	35.55N±.01	139.93E±.01	83±2			¶97i4548
ISC	**I**	**30 23 05 53.9**±.70	**34.34N**±.058	**139.92E**±.074	**50**		**21**	**0-3**
JMA	I	30 23 05 53.8±.2	34.36N±.01	139.88E±.01	50±4	2.9		¶97i4558
ISC	**II**	**01 18 12 52.3**±.62	**35.74N**±.033	**139.81E**±.051	**92**±10		**51**	**0-4**
JMA	II	01 18 12 52.8±.1	35.74N±.01	139.76E±.01	85±2			¶97ii0106
ISC	**II**	**02 01 42 53.7**±.67	**34.40N**±.044	**139.04E**±.045	**12**±6.6		**33**	**0-2**
JMA	II	02 01 42 54.1±.1	34.42N±.01	139.06E±.01	17±3	2.8		¶97ii0154
ISC	**II**	**02 07 38 50**±1.9	**35.70N**±.075	**139.7E**±.12	**75**±23		**15**	**0-1**
JMA	II	02 07 38 50.7±.3	35.67N±.01	139.67E±.02	68±3			¶97ii0192
ISC	**II**	**02 14 27 41**±4.4	**34.1N**±.27	**138.4E**±.19	**280**±33		**23**	**1-6**
JMA	II	02 14 27 43.5±.4	34.21N±.03	138.37E±.03	262±4			¶97ii0234
ISC	**II**	**02 15 00 31**±3.5	**35.0N**±.16	**140.0E**±.15	**59**±42		**12**	**0-2**
JMA	II	02 15 00 30.2±.2	34.97N±.01	139.99E±.01	68±2			¶97ii0239
JMA	**II**	**03 05 32 55.2**±.4	**35.79N**±.03	**139.53E**±.03	**130**±3			¶97ii0327
ISC	**II**	**05 05 48 46**±1.7	**35.23N**±.085	**139.77E**±.079	**78**±21		**19**	**0-2**
JMA	II	05 05 48 44.3±.2	35.21N±.01	139.77E±.01	94±2			¶97ii0645
ISC	**II**	**05 05 54 58**±3.8	**35.1N**±.14	**139.8E**±.12	**109**±42		**19**	**0-2**
JMA	II	05 05 54 57.2±.3	35.09N±.02	139.83E±.02	119±3			¶97ii0646
ISC	**II**	**05 10 42 39.4**±.50	**34.89N**±.051	**137.47E**±.041	**25**±6.5		**34**	**0-2**
JMA	II	05 10 42 39.0±.1	34.89N±.01	137.48E±.01	38±2	2.8		¶97ii0677
ISC	**II**	**05 23 20 50**±4.7	**35.5N**±.15	**139.3E**±.25	**158**±45		**19**	**0-4**
JMA	II	05 23 20 51.6±.2	35.57N±.01	139.34E±.02	143±2			¶97ii0765
ISC	**II**	**07 08 13 54**±3.2	**35.7N**±.33	**139.7E**±.29	**89**		**4**	**0-1**
JMA	II	07 08 13 54.4±.3	35.71N±.01	139.63E±.02	89±2			¶97ii0966
ISC		Poorly determined						
ISC	**II**	**07 20 55 46**±4.4	**34.3N**±.20	**139.7E**±.12	**119**±39		**20**	**0-2**
JMA	II	07 20 55 47.0±.2	34.34N±.01	139.65E±.01	107±3			¶97ii1037
ISC	**II**	**08 08 28 21.6**±.44	**35.02N**±.025	**139.13E**±.031	**8**±4.1		**70**	**0-5**
JMA	II	08 08 28 22.1±.1	35.03N±.00	139.09E±.01	3±1	3.4		¶97ii1116
ISC	**II**	**08 15 22 48**±4.5	**34.6N**±.81	**137.2E**±.38	**344**		**11**	**1-3**
JMA	II	08 15 22 48.1±.4	34.63N±.08	137.21E±.05	344			¶97ii1161
ISC	**II**	**08 18 21 53**±5.6	**34.1N**±.28	**139.0E**±.35	**8**±24		**5**	**0-1**
JMA	II	08 18 21 54.3±.3	34.17N±.02	139.08E±.02	5±2	3.0		¶97ii1184
ISC		Poorly determined						
ISC	**II**	**10 03 12 54.8**±.33	**35.29N**±.028	**139.97E**±.039	**103**±4.2	**3.7b**	**99**	**0-70**
NEIC	II	10 03 12 54.9	35.25N	139.94E	100	4.4b		¶97ii1405
EIDC	II	10 03 12 56.0	35.3N	139.9E	88	3.3b		
JMA	II	10 03 12 56.1±.2	35.28N±.01	139.84E±.01	89±2	3.3		
NEIC		Less reliable solution.						
ISC	**II**	**10 05 12 13.5**±.45	**35.02N**±.030	**139.11E**±.040	**8**±4.6		**40**	**0-3**
JMA	II	10 05 12 14.0±.0	35.03N±.00	139.10E±.01	3±1	3.0		¶97ii1415
ISC	**II**	**11 10 04 20**±2.9	**35.71N**±.094	**139.8E**±.13	**128**±34		**15**	**0-2**
JMA	II	11 10 04 21.1±.2	35.73N±.01	139.77E±.02	115±3			¶97ii1615
ISC	**II**	**12 13 48 17**±1.3	**35.0N**±.47	**139.9E**±.13	**69**		**7**	**0-1**
JMA	II	12 13 48 16.6±.3	34.93N±.02	139.90E±.01	69±3			¶97ii1768
ISC	**II**	**13 02 19 22**±3.1	**35.61N**±.096	**139.9E**±.11	**111**±36		**15**	**1-2**
JMA	II	13 02 19 22.0±.2	35.60N±.01	139.87E±.01	107±2			¶97ii1861
ISC	**II**	**13 04 18 22.6**±.87	**35.67N**±.043	**139.46E**±.050	**158**±11		**66**	**0-9**
JMA	II	13 04 18 24.4±.1	35.69N±.01	139.44E±.01	139±2			¶97ii1872
ISC	**II**	**13 11 59 36**±3.2	**35.87N**±.080	**139.4E**±.12	**141**±36		**18**	**0-2**
JMA	II	13 11 59 37.3±.3	35.87N±.01	139.43E±.02	134±3			¶97ii1914
ISC	**II**	**14 07 29 57**±2.5	**36.0N**±.32	**139.9E**±.30	**99**		**4**	**1-1**
JMA	II	14 07 29 57.3±.3	35.94N±.02	139.95E±.02	99±2			¶97ii2037
ISC		Poorly determined						
JMA	**II**	**15 10 11 03.2**±.2	**34.73N**±.02	**138.93E**±.05	**212**			¶97ii2213
ISC	**II**	**16 01 02 28**±4.9	**35.7N**±.22	**139.3E**±.19	**126**±45		**9**	**0-1**
JMA	II	16 01 02 29.7±.3	35.75N±.02	139.33E±.02	112±3			¶97ii2320
ISC	**II**	**17 00 42 30**±5.4	**35.2N**±.18	**139.6E**±.16	**108**±59		**11**	**0-2**
JMA	II	17 00 42 29.4±.3	35.19N±.02	139.59E±.02	115±3			¶97ii2440
ISC	**II**	**17 19 43 09**±2.5	**36.0N**±.13	**139.2E**±.16	**155**±26		**21**	**0-4**
JMA	II	17 19 43 09.4±.2	35.94N±.01	139.20E±.01	149±2			¶97ii2536
ISC	**II**	**18 09 47 30**±1.4	**35.88N**±.051	**139.79E**±.088	**81**±22		**21**	**0-2**
JMA	II	18 09 47 29.9±.2	35.88N±.01	139.80E±.01	78±2			¶97ii2627
JMA	**II**	**19 16 01 02.3**±.1	**35.57N**±.01	**139.84E**±.01	**109**±1			¶97ii2808
ISC	**II**	**22 02 14 58**±1.7	**34.4N**±.18	**138.0E**±.20	**313**		**21**	**1-6**
JMA	II	22 02 14 59.1±.3	34.55N±.02	138.02E±.02	313±3			¶97ii3154
ISC	**II**	**23 04 35 10**±2.6	**33.9N**±.49	**137.4E**±.38	**359**		**5**	**1-4**
JMA	II	23 04 35 10.5±.2	33.97N±.05	137.34E±.04	359			¶97ii3295
ISC		Poorly determined						
ISC	**II**	**24 15 41 58**±1.5	**34.5N**±.28	**137.3E**±.41	**337**		**16**	**1-6**
JMA	II	24 15 41 58.5±.1	34.56N±.05	137.21E±.05	337			¶97ii3500
JMA	**II**	**24 18 12 43.3**±.2	**34.57N**±.05	**137.68E**±.05	**296**			¶97ii3518
ISC	**II**	**25 05 31 50**±3.1	**35.65N**±.094	**139.5E**±.16	**102**±36		**11**	**0-1**
JMA	II	25 05 31 50.6±.2	35.65N±.01	139.50E±.02	100±2			¶97ii3585
ISC	**II**	**26 19 41 08**±1.9	**34.1N**±.11	**139.8E**±.13	**134**±18		**25**	**0-5**
JMA	II	26 19 41 09.9±.3	34.15N±.02	139.74E±.02	116±3			¶97ii3844
ISC	**II**	**27 12 51 40**±7.8	**34.4N**±.48	**139.8E**±.37	**125**±44		**11**	**1-4**
JMA	II	27 12 51 36.4±.6	34.17N±.05	139.55E±.05	142			¶97ii3959
ISC	**II**	**28 00 36 12.8**±.95	**35.80N**±.071	**139.3E**±.10	**104**±11	3.5b	**20**	**0-66**
JMA	II	28 00 36 12.2±.2	35.76N±.01	139.25E±.01	113±2			¶97ii4082
ISC	**II**	**28 06 29 11.5**±.48	**34.96N**±.040	**138.22E**±.047	**15**±8.6		**26**	**0-2**
JMA	II	28 06 29 11.5±.0	34.98N±.00	138.20E±.00	23±1	2.8		¶97ii4157
ISC	**II**	**28 20 09 19**±1.4	**35.6N**±.15	**139.4E**±.37	**105**±15		**8**	**0-66**
JMA	II	28 20 09 18.9±.1	35.59N±.01	139.44E±.01	106±2			¶97ii4326
ISC	**III**	**01 05 31 25.9**±.85	**34.5N**±.11	**139.8E**±.16	**97**		**12**	**0-1**
JMA	III	01 05 31 25.9±.4	34.53N±.02	139.79E±.02	97±4			¶97iii0054
ISC	**III**	**03 01 20 43.3**±.52	**34.95N**±.040	**139.15E**±.049	**10**±5.6		**19**	**0-2**
JMA	III	03 01 20 43.7±.1	34.96N±.01	139.15E±.01	5±2	2.8		¶97iii0439
ISC	**III**	**03 01 55 43.9**±.54	**34.95N**±.040	**139.17E**±.053	**10**±5.5		**20**	**0-2**
JMA	III	03 01 55 44.4±.1	34.96N±.01	139.16E±.01	5±2	3.1		¶97iii0441
ISC	**III**	**03 01 56 47.9**±.61	**34.96N**±.048	**139.14E**±.066	**9**±6.5		**16**	**0-2**
JMA	III	03 01 56 48.2±.1	34.96N±.01	139.14E±.01	6±1	2.8		¶97iii0442
ISC	**III**	**03 02 27 49.6**±.55	**34.95N**±.040	**139.16E**±.052	**8**±5.5	3.7b	**20**	**0-67**
JMA	III	03 02 27 50.0±.1	34.96N±.00	139.15E±.01	6±1	3.1		¶97iii0448
ISC	**III**	**03 02 28 09.9**±.53	**34.95N**±.029	**139.19E**±.037	**7**±5.1		**43**	**0-3**
JMA	III	03 02 28 10.2±.0	34.96N±.00	139.17E±.01	7±1	3.3		¶97iii0449
ISC	**III**	**03 02 44 02.8**±.58	**34.95N**±.047	**139.16E**±.060	**9**±6.4		**15**	**0-2**
JMA	III	03 02 44 03.1±.1	34.96N±.00	139.14E±.01	7±1	2.8		¶97iii0456
ISC	**III**	**03 02 54 55**±1.2	**34.96N**±.072	**139.2E**±.13	**8**±12		**6**	**0-2**
JMA	III	03 02 54 55.1±.0	34.96N±.00	139.16E±.00	6±1	2.9		¶97iii0458
ISC	**III**	**03 03 03 30**±1.1	**34.96N**±.069	**139.12E**±.095	**11**±12		**8**	**0-1**
JMA	III	03 03 03 30.2±.1	34.96N±.01	139.14E±.01	6±1	2.8		¶97iii0459
ISC	**III**	**03 03 12 34.1**±.84	**34.95N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	03 03 12 34.3±.0	34.96N±.00	139.14E±.01	5±1	3.0		¶97iii0461
ISC	**III**	**03 03 13 51.7**±.46	**34.95N**±.026	**139.17E**±.028	**10**±4.2		**68**	**0-5**
JMA	III	03 03 13 52.1±.0	34.95N±.00	139.15E±.00	5±1	3.4		¶97iii0462
ISC	**III**	**03 03 43 34.1**±.83	**34.96N**±.063	**139.12E**±.083	**9**±8.6		**9**	**0-2**
JMA	III	03 03 43 34.4±.1	34.96N±.01	139.14E±.01	5±1	2.9		¶97iii0466
ISC	**III**	**03 04 04 22.1**±.49	**34.96N**±.036	**139.16E**±.044	**9**±5.3		**27**	**0-2**
JMA	III	03 04 04 22.5±.1	34.96N±.01	139.15E±.01	5±1	3.0		¶97iii0470
ISC	**III**	**03 04 08 06.8**±.47	**34.96N**±.033	**139.17E**±.042	**10**±5.1		**26**	**0-2**
JMA	III	03 04 08 07.1±.1	34.96N±.01	139.16E±.01	6±1	3.2		¶97iii0472
ISC	**III**	**03 04 08 47.5**±.54	**34.95N**±.036	**139.15E**±.058	**9**±5.6		**23**	**0-2**
JMA	III	03 04 08 47.8±.0	34.96N±.00	139.16E±.01	6±1	3.2		¶97iii0473
ISC	**III**	**03 04 14 27.4**±.56	**34.96N**±.053	**139.15E**±.047	**10**±6.3		**15**	**0-2**
JMA	III	03 04 14 27.9±.1	34.96N±.01	139.15E±.01	4±1	3.0		¶97iii0475
ISC	**III**	**03 04 17 04.0**±.60	**34.95N**±.057	**139.15E**±.050	**10**±6.3		**14**	**0-2**
JMA	III	03 04 17 04.4±.1	34.96N±.01	139.14E±.01	5±1	2.8		¶97iii0478
ISC	**III**	**03 04 26 59.2**±.44	**34.96N**±.025	**139.18E**±.028	**10**±4.1		**67**	**0-5**
JMA	III	03 04 26 59.5±.0	34.96N±.01	139.15E±.01	5±1	3.6		¶97iii0479
ISC	**III**	**03 04 46 09.8**±.55	**34.96N**±.050	**139.15E**±.047	**10**±5.9		**17**	**0-2**
JMA	III	03 04 46 10.2±.1	34.96N±.01	139.15E±.01	5±1	2.8		¶97iii0480
ISC	**III**	**03 04 47 27.1**±.52	**34.98N**±.041	**139.16E**±.043	**9**±5.4		**23**	**0-2**
JMA	III	03 04 47 27.4±.0	34.96N±.01	139.15E±.01	5±1	3.0		¶97iii0481
ISC	**III**	**03 04 52 07.9**±.52	**34.95N**±.037	**139.17E**±.047	**9**±5.3		**32**	**0-2**
JMA	III	03 04 52 08.2±.1	34.96N±.01	139.15E±.01	6±1	2.9		¶97iii0482
ISC	**III**	**03 05 08 16.2**±.53	**34.95N**±.042	**139.16E**±.052	**10**±5.9		**17**	**0-2**
JMA	III	03 05 08 16.6±.1	34.96N±.00	139.14E±.01	6±1	2.8		¶97iii0484
ISC	**III**	**03 05 20 13.6**±.48	**34.95N**±.024	**139.19E**±.027	**14**±3.8	**3.9b**	**98**	**0-84**
NEIC	III	03 05 20 13.0	34.84N	139.20E	28			¶97iii0485
JMA	III	03 05 20 14.1±.1	34.95N±.01	139.16E±.01	4±2	3.8		
EIDC	III	03 05 20 15.4	35.0N	139.1E	26	3.7b,3.5L		
ISC	**III**	**03 05 55 28.4**±.83	**34.96N**±.057	**139.12E**±.078	**7**±9.7		**9**	**0-2**
JMA	III	03 05 55 28.5±.1	34.96N±.01	139.14E±.01	5±2	2.8		¶97iii0489
ISC	**III**	**03 06 05 56.6**±.49	**34.96N**±.033	**139.19E**±.039	**9**±5.1		**40**	**0-3**
JMA	III	03 06 05 57.0±.1	34.96N±.01	139.17E±.01	5±2	3.2		¶97iii0491
ISC	**III**	**03 06 17 25.9**±.47	**34.96N**±.028	**139.19E**±.035	**9**±4.7		**49**	**0-8**
JMA	III	03 06 17 26.3±.0	34.96N±.01	139.16E±.01	6±1	3.4		¶97iii0494
ISC	**III**	**03 07 08 31.7**±.46	**34.94N**±.029	**139.17E**±.034	**10**±4.4		**54**	**0-3**
JMA	III	03 07 08 32.1±.0	34.95N±.00	139.15E±.01	5±1	3.3		¶97iii0504
ISC	**III**	**03 07 38 15.3**±.53	**34.95N**±.036	**139.17E**±.051	**9**±5.5		**29**	**0-2**
JMA	III	03 07 38 15.7±.1	34.96N±.00	139.16E±.01	5±1	2.9		¶97iii0512
ISC	**III**	**03 08 31 19.3**±.83	**34.96N**±.063	**139.12E**±.083	**9**±8.6		**9**	**0-2**
JMA	III	03 08 31 19.5±.1	34.96N±.01	139.14E±.01	5±1	2.9		¶97iii0520
ISC	**III**	**03 08 45 10.1**±.48	**34.93N**±.023	**139.18E**±.026	**13**±3.8	**3.8b**	**115**	**0-93**
NEIC	III	03 08 45 07.0	34.82N	139.11E	10	3.5b		¶97iii0523
JMA	III	03 08 45 10.5±.0	34.96N±.01	139.17E±.01	5±1	3.9		
EIDC	III	03 08 45 10.8	35.1N	139.2E	20	3.7b,3.7L		
ISC	**III**	**03 08 56 37.6**±.83	**34.96N**±.062	**139.13E**±.082	**9**±8.7		**9**	**0-2**
JMA	III	03 08 56 37.8±.1	34.96N±.01	139.15E±.01	5±1	3.1		¶97iii0525
ISC	**III**	**03 08 57 03**±2.0	**34.98N**±.096	**139.1E**±.10	**7**±22		**9**	**0-2**
JMA	III	03 08 57 03.3±.1	34.96N±.01	139.13E±.01	5±1	2.8		¶97iii0526
ISC	**III**	**03 08 58 29.2**±.47	**34.95N**±.032	**139.18E**±.038	**9**±4.8		**38**	**0-3**
JMA	III	03 08 58 29.5±.0	34.95N±.01	139.15E±.01	7±1	3.1		¶97iii0527
ISC	**III**	**03 09 00 13.9**±.49	**34.95N**±.036	**139.17E**±.044	**9**±5.4		**24**	**0-2**
JMA	III	03 09 00 14.2±.0	34.95N±.00	139.15E±.01	7±1	3.0		¶97iii0529
ISC	**III**	**03 09 01 13.7**±.46	**34.95N**±.028	**139.19E**±.032	**10**±4.3		**59**	**0-4**
JMA	III	03 09 01 14.1±.0	34.96N±.00	139.16E±.01	5±1	3.3		¶97iii0530
ISC	**III**	**03 09 01 40.4**±.72	**34.95N**±.050	**139.14E**±.079	**11**±8.2		**14**	**0-1**
JMA	III	03 09 01 40.7±.0	34.96N±.00	139.15E±.01	6±1	3.3		¶97iii0531
ISC	**III**	**03 09 06 13.7**±.47	**34.96N**±.029	**139.18E**±.036	**8**±4.7		**48**	**0-3**
JMA	III	03 09 06 14.0±.0	34.96N±.00	139.15E±.01	5±1	3.2		¶97iii0532
ISC	**III**	**03 09 09 45.9**±.84	**34.96N**±.063	**139.13E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	03 09 09 46.2±.1	34.95N±.00	139.15E±.01	6±1	3.0		¶97iii0533
ISC	**III**	**03 09 14 11.8**±.48	**34.96N**±.033	**139.16E**±.042	**11**±5.0		**33**	**0-2**
JMA	III	03 09 14 12.3±.0	34.96N±.01	139.16E±.01	5±1	3.0		¶97iii0534
ISC	**III**	**03 09 19 20**±1.1	**34.96N**±.067	**139.1E**±.11	**7**±10		**7**	**0-2**
JMA	III	03 09 19 20.6±.0	34.96N±.00	139.16E±.00	5±1	2.9		¶97iii0535
ISC	**III**	**03 09 22 18.4**±.84	**34.95N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	03 09 22 18.7±.1	34.95N±.01	139.14E±.01	6±1	2.8		¶97iii0536
ISC	**III**	**03 09 31 01.0**±.58	**34.96N**±.052	**139.15E**±.049	**10**±6.0		**17**	**0-2**
JMA	III	03 09 31 01.4±.1	34.96N±.01	139.14E±.01	5±1	2.8		¶97iii0538
ISC	**III**	**03 09 35 01.8**±.61	**34.95N**±.052	**139.16E**±.052	**9**±6.4		**16**	**0-2**
JMA	III	03 09 35 02.1±.1	34.96N±.01	139.15E±.01	6±1	2.9		¶97iii0539
ISC	**III**	**03 09 36 44.9**±.84	**34.96N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	03 09 36 45.1±.1	34.96N±.00	139.15E±.01	5±1	2.8		¶97iii0540
ISC	**III**	**03 09 40 12.1**±.58	**34.95N**±.052	**139.15E**±.049	**10**±6.0		**17**	**0-2**
JMA	III	03 09 40 12.5±.1	34.96N±.01	139.15E±.01	5±1	2.9		¶97iii0541
ISC	**III**	**03 09 47 10.5**±.49	**34.95N**±.030	**139.18E**±.037	**8**±4.8		**43**	**0-3**
JMA	III	03 09 47 10.8±.1	34.96N±.01	139.16E±.01	4±1	3.0		¶97iii0542
ISC	**III**	**03 10 03 47.8**±.83	**34.96N**±.062	**139.13E**±.082	**9**±8.7		**9**	**0-2**
JMA	III	03 10 03 48.1±.1	34.95N±.01	139.13E±.01	5±1	2.8		¶97iii0545
ISC	**III**	**03 10 08 13.7**±.48	**34.95N**±.034	**139.17E**±.039	**9**±5.0		**39**	**0-3**
JMA	III	03 10 08 14.0±.0	34.96N±.01	139.16E±.01	4±1	3.0		¶97iii0546
ISC	**III**	**03 10 11 45.6**±.49	**34.96N**±.026	**139.20E**±.030	**10**±4.3		**64**	**0-5**
JMA	III	03 10 11 46.1±.0	34.96N±.01	139.16E±.01	6±1	3.3		¶97iii0548
ISC	**III**	**03 10 13 32.5**±.72	**34.97N**±.059	**139.16E**±.069	**8**±7.0		**13**	**0-3**
JMA	III	03 10 13 32.7±.1	34.96N±.00	139.15E±.01	5±1	2.8		¶97iii0549
ISC	**III**	**03 10 17 00.3**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	03 10 17 00.6±.1	34.96N±.01	139.16E±.01	5±2	2.8		¶97iii0550
JMA	**III**	**03 10 17 09.6**±.1	**34.96N**±.00	**139.16E**±.01	**8**±1	**2.8**		¶97iii0551
ISC	**III**	**03 10 53 06.0**±.48	**34.96N**±.033	**139.17E**±.041	**9**±4.9		**38**	**0-2**
JMA	III	03 10 53 06.4±.0	34.96N±.01	139.16E±.01	6±1	2.9		¶97iii0555
ISC	**III**	**03 11 10 59.7**±.31	**34.92N**±.021	**139.25E**±.023	**22**±2.8	**4.4b,4.3s**	**211**	**0-149**
BJI	III	03 11 10 56.7	34.85N	139.66E	21	4.5b,4.4s		¶97iii0557
EIDC	III	03 11 10 57.1	34.9N	139.4E	0	4.3b,4.0L		
NEIC	III	03 11 10 57.2	34.85N	139.27E	10	4.8b		
JMA	III	03 11 10 59.9±.1	34.96N±.01	139.18E±.01	4±2	4.4		
MOS	III	03 11 11 00.6	35.0N	139.2E	33	5.0b		
NEIC		Felt I=IV J at Ito. Also felt on the Miura Peninsula.						
JMA		Felt I=IV J1						
ISC	**III**	**03 11 14 28.0**±.47	**34.96N**±.033	**139.18E**±.037	**10**±4.6		**36**	**0-3**
JMA	III	03 11 14 28.5±.0	34.96N±.01	139.16E±.01	5±1	3.4		¶97iii0559
ISC	**III**	**03 11 17 13.1**±.83	**34.96N**±.062	**139.13E**±.081	**8**±8.8		**9**	**0-2**
JMA	III	03 11 17 13.4±.1	34.96N±.01	139.14E±.01	4±2	2.8		¶97iii0560
ISC	**III**	**03 11 18 10.0**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	03 11 18 10.3±.1	34.95N±.01	139.15E±.01	5±2	2.9		¶97iii0561
ISC	**III**	**03 11 21 41.2**±.83	**34.96N**±.062	**139.13E**±.082	**9**±8.7		**9**	**0-2**
JMA	III	03 11 21 41.5±.1	34.95N±.01	139.14E±.01	4±1	2.9		¶97iii0562
ISC	**III**	**03 11 25 25.9**±.52	**34.96N**±.033	**139.17E**±.044	**8**±5.3		**28**	**0-2**
JMA	III	03 11 25 26.3±.1	34.96N±.01	139.16E±.01	4±2	3.1		¶97iii0563
ISC	**III**	**03 11 34 19.5**±.46	**34.95N**±.027	**139.19E**±.032	**10**±4.3		**57**	**0-5**
JMA	III	03 11 34 19.9±.1	34.96N±.01	139.16E±.01	4±2	3.4		¶97iii0564
ISC	**III**	**03 11 42 22.2**±.49	**34.94N**±.031	**139.17E**±.039	**5**±5.1		**38**	**0-3**
JMA	III	03 11 42 22.6±.1	34.96N±.01	139.16E±.01	3±2	3.1		¶97iii0567
ISC	**III**	**03 11 58 58.9**±.87	**34.95N**±.058	**139.12E**±.073	**5**±12		**9**	**0-2**
JMA	III	03 11 58 59.1±.1	34.95N±.01	139.14E±.01	2±2	2.8		¶97iii0568

ISC	**III**	**03 12 00 57.1**±.48	**34.96N**±.035	**139.17E**±.042	**9**±5.2		**29**	**0-2**
JMA	III	03 12 00 57.5±.1	34.96N±.01	139.16E±.01	5±2	3.0		**¶97iii0570**
ISC	**III**	**03 12 15 12.1**±.83	**34.96N**±.057	**139.13E**±.077	**6**±9.8		**9**	**0-2**
JMA	III	03 12 15 12.3±.1	34.96N±.01	139.14E±.01	4±1	3.0		**¶97iii0571**
ISC	**III**	**03 12 23 01.4**±.49	**34.95N**±.031	**139.17E**±.040	**8**±4.9		**33**	**0-2**
JMA	III	03 12 23 01.8±.1	34.96N±.01	139.16E±.01	5±2	3.1		**¶97iii0572**
ISC	**III**	**03 12 50 52.3**±.87	**34.96N**±.058	**139.12E**±.074	**6**±12		**9**	**0-2**
JMA	III	03 12 50 52.4±.1	34.95N±.01	139.14E±.01	4±2	3.0		**¶97iii0577**
ISC	**III**	**03 12 58 09.9**±.87	**34.96N**±.058	**139.12E**±.074	**6**±11		**9**	**0-2**
JMA	III	03 12 58 10.0±.1	34.96N±.01	139.15E±.01	5±1	2.9		**¶97iii0578**
ISC	**III**	**03 13 00 00.1**±.49	**34.95N**±.029	**139.18E**±.035	**5**±5.1		**45**	**0-3**
JMA	III	03 13 00 00.5±.0	34.96N±.01	139.16E±.01	4±1	3.1		**¶97iii0579**
ISC	**III**	**03 13 02 28.1**±.45	**34.95N**±.027	**139.20E**±.030	**11**±4.2		**65**	**0-5**
JMA	III	03 13 02 28.5±.0	34.96N±.00	139.17E±.01	6±1	3.3		**¶97iii0581**
ISC	**III**	**03 13 03 23.7**±.74	**34.96N**±.063	**139.15E**±.074	**11**±7.0		**13**	**0-4**
JMA	III	03 13 03 24.2±.1	34.96N±.01	139.15E±.01	3±2	2.8		**¶97iii0582**
ISC	**III**	**03 13 04 36.0**±.48	**34.95N**±.032	**139.16E**±.039	**8**±4.8		**40**	**0-3**
JMA	III	03 13 04 36.3±.0	34.96N±.00	139.16E±.01	5±1	3.0		**¶97iii0583**
ISC	**III**	**03 13 15 49.3**±.45	**34.95N**±.027	**139.19E**±.031	**10**±4.3		**61**	**0-5**
JMA	III	03 13 15 49.7±.0	34.96N±.00	139.16E±.01	5±1	3.2		**¶97iii0585**
ISC	**III**	**03 13 21 33.0**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	03 13 21 33.3±.1	34.96N±.01	139.16E±.01	4±2	3.0		**¶97iii0586**
ISC	**III**	**03 13 22 31.7**±.49	**34.95N**±.030	**139.18E**±.038	**5**±5.1		**38**	**0-3**
JMA	III	03 13 22 32.2±.1	34.96N±.01	139.16E±.01	4±2	3.2		**¶97iii0587**
ISC	**III**	**03 13 25 38.8**±.83	**34.96N**±.062	**139.13E**±.082	**9**±8.7		**9**	**0-2**
JMA	III	03 13 25 39.1±.1	34.96N±.01	139.14E±.01	4±1	3.1		**¶97iii0589**
ISC	**III**	**03 13 29 55.6**±.83	**34.95N**±.062	**139.13E**±.081	**8**±8.8		**9**	**0-2**
JMA	III	03 13 29 55.9±.1	34.95N±.01	139.15E±.01	4±2	2.8		**¶97iii0590**
ISC	**III**	**03 13 47 54.6**±.46	**34.96N**±.025	**139.19E**±.028	**11**±4.2		**72**	**0-5**
JMA	III	03 13 47 55.0±.0	34.96N±.00	139.16E±.01	5±1	3.5		**¶97iii0593**
ISC	**III**	**03 14 02 05.6**±.48	**34.95N**±.035	**139.17E**±.044	**9**±5.1		**30**	**0-2**
JMA	III	03 14 02 06.0±.0	34.96N±.00	139.16E±.01	5±1	2.9		**¶97iii0596**
ISC	**III**	**03 14 08 25.1**±.47	**34.97N**±.028	**139.20E**±.035	**10**±4.5		**51**	**0-5**
JMA	III	03 14 08 25.6±.1	34.96N±.01	139.17E±.01	5±2	3.2		**¶97iii0597**
ISC	**III**	**03 14 09 42.5**±.43	**34.95N**±.019	**139.21E**±.021	**2**±3.0	**4.5b,5.2s**	**241**	**0-149**
BJI	III	03 14 09 35.6	34.88N	140.39E	10	4.8b,5.3s		**¶97iii0598**
JMA	III	03 14 09 43.2±.1	34.96N±.01	139.16E±.01	0±2	5.3		
NEIC	III	03 14 09 43.3	34.96N	139.15E	10	4.7b		
EIDC	III	03 14 09 43.3	35.0N	139.3E	0	4.3b,4.1L		
MOS	III	03 14 09 47.0	35.0N	139.1E	33	4.9b,5.1s		
JMA	Felt I=VI J1							
NEIC	Damage I=VII MM, landslide/avalanche observed.							
NEIC	One house destroyed by a landslide in the Ito area. Felt I=V J at Ito and IV J at Atami. Also felt on the Miura Peninsula and at Chiba, Tokyo and Yokohama.							
ISC	**III**	**03 14 11 02**±1.1	**34.97N**±.060	**139.17E**±.097	**1**		**10**	**0-2**
JMA	III	03 14 11 02.5±.1	34.96N±.00	139.17E±.01	1±1	4.2		**¶97iii0599**
ISC	**III**	**03 14 12 00.8**±.86	**34.97N**±.057	**139.10E**±.074	**6**±11		**9**	**0-2**
JMA	III	03 14 12 00.9±.1	34.95N±.01	139.12E±.01	2±2	3.3		**¶97iii0600**
ISC	**III**	**03 14 14 51.2**±.83	**34.96N**±.058	**139.13E**±.077	**7**±9.7		**9**	**0-2**
JMA	III	03 14 14 51.4±.1	34.96N±.01	139.15E±.01	5±1	2.8		**¶97iii0603**
ISC	**III**	**03 14 21 44.1**±.80	**34.96N**±.061	**139.10E**±.085	**8**±9.0		**9**	**0-2**
JMA	III	03 14 21 44.3±.1	34.96N±.01	139.12E±.01	2±2	3.0		**¶97iii0604**
ISC	**III**	**03 14 26 55.2**±.47	**34.94N**±.023	**139.19E**±.026	**14**±3.7	**3.9b**	**111**	**0-84**
NEIC	III	03 14 26 53.1	34.87N	139.21E	10	3.8b		**¶97iii0606**
EIDC	III	03 14 26 53.6	34.9N	139.2E	0	3.9b,3.9L		
JMA	III	03 14 26 55.7±.1	34.96N±.01	139.17E±.01	4±2	3.9		
ISC	**III**	**03 14 27 53.1**±.58	**34.95N**±.040	**139.15E**±.063	**9**±6.3		**24**	**0-3**
JMA	III	03 14 27 53.4±.1	34.96N±.01	139.16E±.01	2±2	4.3		**¶97iii0607**
ISC	**III**	**03 14 30 38.8**±.83	**34.96N**±.062	**139.13E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	03 14 30 39.1±.1	34.95N±.01	139.15E±.01	3±2	2.8		**¶97iii0608**
ISC	**III**	**03 14 31 43.8**±.54	**34.94N**±.036	**139.17E**±.052	**8**±5.5		**25**	**0-2**
JMA	III	03 14 31 44.1±.0	34.95N±.00	139.16E±.01	6±1	2.9		**¶97iii0609**
ISC	**III**	**03 14 34 18.9**±.47	**34.96N**±.033	**139.18E**±.038	**10**±4.8		**33**	**0-2**
JMA	III	03 14 34 19.2±.0	34.96N±.00	139.16E±.01	6±1	3.1		**¶97iii0611**
ISC	**III**	**03 14 37 42.9**±.49	**34.96N**±.032	**139.18E**±.039	**8**±5.0		**34**	**0-2**
JMA	III	03 14 37 43.3±.1	34.96N±.01	139.17E±.01	2±2	3.0		**¶97iii0612**
ISC	**III**	**03 14 40 56.3**±.49	**34.96N**±.033	**139.18E**±.040	**8**±5.1		**32**	**0-2**
JMA	III	03 14 40 56.6±.1	34.96N±.01	139.17E±.01	4±2	3.1		**¶97iii0613**
ISC	**III**	**03 14 46 51.1**±.83	**34.96N**±.062	**139.13E**±.081	**8**±8.8		**9**	**0-2**
JMA	III	03 14 46 51.4±.1	34.96N±.01	139.15E±.01	4±1	2.9		**¶97iii0615**
ISC	**III**	**03 14 47 11.0**±.48	**34.96N**±.030	**139.20E**±.035	**9**±4.6		**47**	**0-5**
JMA	III	03 14 47 11.2±.0	34.96N±.00	139.18E±.01	5±1	3.3		**¶97iii0616**
ISC	**III**	**03 14 49 26.8**±.49	**34.95N**±.035	**139.18E**±.043	**9**±5.3		**31**	**0-67**
JMA	III	03 14 49 27.1±.1	34.96N±.01	139.17E±.01	3±2	2.9		**¶97iii0617**
ISC	**III**	**03 14 51 01.9**±.84	**34.96N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	03 14 51 02.3±.1	34.95N±.01	139.15E±.01	4±2	2.8		**¶97iii0618**
ISC	**III**	**03 14 53 44.5**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	03 14 53 44.8±.1	34.95N±.01	139.15E±.01	4±1	3.1		**¶97iii0619**
ISC	**III**	**03 14 55 48.9**±.79	**34.97N**±.053	**139.13E**±.070	**4**	3.3b	**9**	**0-67**
JMA	III	03 14 55 49.0±.1	34.96N±.01	139.14E±.01	4±2	2.8		**¶97iii0620**
ISC	**III**	**03 15 01 46.0**±.85	**34.95N**±.067	**139.16E**±.073	**11**±7.0		**12**	**0-2**
JMA	III	03 15 01 46.5±.1	34.96N±.01	139.16E±.01	5±1	2.8		**¶97iii0622**
ISC	**III**	**03 15 07 11.0**±.56	**34.96N**±.050	**139.16E**±.046	**9**±6.0		**17**	**0-2**
JMA	III	03 15 07 11.4±.1	34.96N±.01	139.16E±.01	4±1	2.9		**¶97iii0623**
ISC	**III**	**03 15 18 40.9**±.48	**34.95N**±.034	**139.17E**±.041	**9**±5.1		**37**	**0-2**
JMA	III	03 15 18 41.2±.0	34.96N±.00	139.16E±.00	6±1	2.8		**¶97iii0625**
ISC	**III**	**03 15 21 02.6**±.69	**34.96N**±.058	**139.19E**±.065	**12**±7.1		**12**	**0-2**
JMA	III	03 15 21 03.1±.1	34.97N±.01	139.19E±.01	4±2	2.8		**¶97iii0626**
ISC	**III**	**03 15 21 17.7**±.71	**34.95N**±.059	**139.20E**±.064	**9**±7.9		**13**	**0-2**
JMA	III	03 15 21 18.0±.1	34.97N±.01	139.19E±.01	4±1	3.0		**¶97iii0627**
ISC	**III**	**03 15 27 24.0**±.53	**34.98N**±.045	**139.17E**±.041	**10**±5.3		**26**	**0-3**
JMA	III	03 15 27 24.4±.0	34.96N±.01	139.16E±.01	3±1	3.2		**¶97iii0628**
ISC	**III**	**03 15 30 22.5**±.31	**34.94N**±.020	**139.23E**±.021	**21**±2.7	**4.8b,4.8s**	**273**	**0-149**
BJI	III	03 15 30 20.1	34.88N	139.68E	28	5.0b,4.9s		**¶97iii0629**
EIDC	III	03 15 30 20.1	34.9N	139.3E	0	4.6b,3.8L		
NEIC	III	03 15 30 20.2	34.88N	139.19E	10	5.0b		
JMA	III	03 15 30 22.5±.1	34.96N±.01	139.17E±.01	0	4.7		
MOS	III	03 15 30 23.1	34.9N	139.3E	33	5.3b,4.7s		
NEIC	Felt on the Miura Peninsula.							
JMA	Felt I=IV J1							
ISC	**III**	**03 15 36 22.2**±.48	**34.95N**±.029	**139.18E**±.035	**8**±4.8		**48**	**0-3**
JMA	III	03 15 36 22.6±.0	34.95N±.00	139.15E±.01	3±1	3.4		**¶97iii0630**
ISC	**III**	**03 16 04 09.1**±.49	**34.95N**±.033	**139.16E**±.037	**7**±5.1		**41**	**0-3**
JMA	III	03 16 04 09.4±.0	34.95N±.00	139.15E±.01	5±1	3.0		**¶97iii0633**
ISC	**III**	**03 16 21 04.2**±.58	**34.96N**±.052	**139.16E**±.050	**11**±6.0		**16**	**0-2**
JMA	III	03 16 21 04.6±.1	34.96N±.01	139.16E±.01	6±1	3.0		**¶97iii0636**
ISC	**III**	**03 16 40 28.7**±.71	**34.95N**±.062	**139.16E**±.066	**11**±7.3	3.4b	**11**	**0-67**
JMA	III	03 16 40 29.2±.1	34.96N±.01	139.16E±.01	5±2	2.8		**¶97iii0638**
ISC	**III**	**03 16 43 44.4**±.48	**34.95N**±.029	**139.17E**±.036	**8**±4.7		**48**	**0-3**
JMA	III	03 16 43 44.7±.0	34.96N±.00	139.16E±.01	5±1	3.1		**¶97iii0641**
ISC	**III**	**03 16 50 36.1**±.46	**34.95N**±.027	**139.19E**±.030	**10**±4.2		**63**	**0-5**
JMA	III	03 16 50 36.5±.0	34.95N±.01	139.16E±.01	4±1	3.3		**¶97iii0642**
ISC	**III**	**03 16 53 24.5**±.61	**34.96N**±.052	**139.15E**±.053	**10**±6.1		**16**	**0-2**
JMA	III	03 16 53 24.9±.1	34.96N±.01	139.15E±.01	5±1	3.0		**¶97iii0643**
ISC	**III**	**03 16 53 47.8**±.46	**34.95N**±.025	**139.19E**±.029	**11**±4.2		**73**	**0-5**
JMA	III	03 16 53 48.3±.0	34.95N±.00	139.17E±.01	5±1	3.4		**¶97iii0644**
ISC	**III**	**03 17 06 21.5**±.47	**34.96N**±.030	**139.19E**±.033	**9**±4.8		**46**	**0-3**
JMA	III	03 17 06 21.9±.1	34.96N±.01	139.17E±.01	5±2	3.2		**¶97iii0645**
ISC	**III**	**03 17 10 19.0**±.46	**34.95N**±.028	**139.19E**±.030	**10**±4.3		**57**	**0-3**
JMA	III	03 17 10 19.4±.1	34.95N±.01	139.17E±.01	5±2	3.2		**¶97iii0646**
ISC	**III**	**03 18 02 56.2**±.46	**34.97N**±.030	**139.19E**±.033	**9**±4.6		**48**	**0-5**
JMA	III	03 18 02 56.5±.1	34.95N±.01	139.16E±.01	5±2	3.2		**¶97iii0654**
ISC	**III**	**03 18 06 32.8**±.85	**34.96N**±.063	**139.15E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	03 18 06 33.2±.1	34.96N±.00	139.16E±.01	5±2	2.9		**¶97iii0655**
ISC	**III**	**03 18 31 29.8**±.46	**34.96N**±.029	**139.20E**±.031	**10**±4.5		**52**	**0-5**
JMA	III	03 18 31 30.2±.0	34.95N±.01	139.16E±.01	6±1	3.2		**¶97iii0659**
ISC	**III**	**03 18 48 59.2**±.84	**34.95N**±.063	**139.13E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	03 18 48 59.5±.1	34.95N±.01	139.15E±.01	4±2	2.9		**¶97iii0660**
ISC	**III**	**03 19 08 02.4**±.84	**34.95N**±.063	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	03 19 08 02.8±.1	34.95N±.01	139.15E±.01	4±2	2.9		**¶97iii0666**
ISC	**III**	**03 19 19 57.5**±.45	**34.95N**±.028	**139.19E**±.030	**11**±4.2		**57**	**0-5**
JMA	III	03 19 19 57.9±.1	34.95N±.01	139.16E±.01	6±2	3.3		**¶97iii0668**
ISC	**III**	**03 19 21 02.1**±.85	**34.96N**±.064	**139.13E**±.083	**10**±8.4		**9**	**0-2**
JMA	III	03 19 21 02.5±.1	34.95N±.01	139.14E±.01	5±2	2.9		**¶97iii0669**
ISC	**III**	**03 19 27 22.5**±.83	**34.96N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	03 19 27 22.7±.1	34.95N±.01	139.14E±.01	5±2	2.8		**¶97iii0671**
ISC	**III**	**03 19 28 45.0**±.84	**34.96N**±.063	**139.13E**±.082	**10**±8.5		**9**	**0-2**
JMA	III	03 19 28 45.3±.1	34.95N±.01	139.14E±.01	5±2	3.0		**¶97iii0672**
ISC	**III**	**03 19 47 16.6**±.84	**34.96N**±.063	**139.13E**±.082	**9**±8.5		**9**	**0-2**
JMA	III	03 19 47 16.9±.1	34.95N±.01	139.14E±.01	5±1	3.0		**¶97iii0677**
ISC	**III**	**03 19 58 24.0**±.48	**34.94N**±.032	**139.18E**±.038	**9**±4.9		**39**	**0-2**
JMA	III	03 19 58 24.3±.1	34.95N±.01	139.16E±.01	6±1	3.0		**¶97iii0681**
ISC	**III**	**03 20 01 29.6**±.61	**34.96N**±.053	**139.15E**±.054	**11**±6.1		**15**	**0-2**
JMA	III	03 20 01 30.1±.1	34.96N±.01	139.15E±.01	6±1	2.8		**¶97iii0683**
ISC	**III**	**03 20 09 00.3**±.56	**34.97N**±.048	**139.16E**±.049	**9**±5.9		**19**	**0-3**
JMA	III	03 20 09 00.7±.1	34.96N±.01	139.15E±.01	5±1	3.0		**¶97iii0686**
ISC	**III**	**03 20 14 41.7**±.46	**34.95N**±.029	**139.19E**±.031	**10**±4.4		**52**	**0-67**
JMA	III	03 20 14 42.1±.0	34.96N±.01	139.16E±.01	6±1	3.2		**¶97iii0687**
ISC	**III**	**03 22 30 35.2**±.47	**34.97N**±.030	**139.20E**±.036	**10**±4.6		**47**	**0-4**
JMA	III	03 22 30 35.6±.1	34.96N±.01	139.17E±.01	4±2	3.2		**¶97iii0699**
ISC	**III**	**03 22 44 16.7**±.46	**34.95N**±.024	**139.19E**±.028	**11**±4.0	3.4b	**80**	**0-67**
NEIC	III	03 22 44 11.4	34.55N	139.17E	10			**¶97iii0702**
JMA	III	03 22 44 17.2±.1	34.95N±.01	139.17E±.01	5±2	3.6		
EIDC	III	03 22 44 18.7	34.8N	137.7E	76	3.1b,3.8L		
NEIC	Poor solution.							
ISC	**III**	**03 22 49 30.2**±.85	**34.95N**±.064	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	03 22 49 30.4±.1	34.95N±.01	139.16E±.01	5±2	2.8		**¶97iii0704**
ISC	**III**	**03 23 32 44.9**±.48	**34.95N**±.030	**139.19E**±.036	**8**±4.9		**40**	**0-2**
JMA	III	03 23 32 45.2±.1	34.96N±.01	139.17E±.01	5±2	3.2		**¶97iii0714**
ISC	**III**	**04 00 02 01.3**±.48	**34.95N**±.026	**139.19E**±.030	**12**±4.0	**3.5b**	**74**	**0-67**
NEIC	III	04 00 01 59.3	34.93N	139.34E	10			**¶97iii0717**
JMA	III	04 00 02 01.8±.1	34.95N±.01	139.16E±.01	4±2	3.6		
EIDC	III	04 00 02 03.3	35.3N	139.3E	0	3.5b,3.2L		
NEIC	Less reliable solution.							
ISC	**III**	**04 00 14 44.6**±.84	**34.96N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	04 00 14 44.8±.1	34.95N±.01	139.15E±.01	4±2	2.9		**¶97iii0720**
ISC	**III**	**04 00 16 20.5**±.85	**34.96N**±.064	**139.14E**±.081	**10**±8.6		**9**	**0-2**
JMA	III	04 00 16 20.8±.1	34.95N±.01	139.16E±.01	4±2	3.0		**¶97iii0721**
ISC	**III**	**04 00 23 25.9**±.85	**34.95N**±.064	**139.14E**±.080	**9**±8.7		**9**	**0-2**
JMA	III	04 00 23 26.2±.1	34.95N±.01	139.16E±.01	4±2	3.2		**¶97iii0722**
ISC	**III**	**04 00 24 47.4**±.95	**34.95N**±.078	**139.16E**±.086	**10**±8.8		**9**	**0-2**
JMA	III	04 00 24 47.8±.1	34.95N±.00	139.16E±.01	5±1	2.8		**¶97iii0724**
ISC	**III**	**04 00 28 47.2**±.85	**34.96N**±.064	**139.14E**±.082	**10**±8.5		**9**	**0-2**
JMA	III	04 00 28 47.5±.1	34.95N±.01	139.16E±.01	4±2	3.2		**¶97iii0725**
ISC	**III**	**04 00 34 01.8**±.83	**34.96N**±.062	**139.14E**±.080	**8**±8.8		**9**	**0-2**
JMA	III	04 00 34 02.1±.1	34.95N±.01	139.16E±.01	4±2	3.0		**¶97iii0726**
ISC	**III**	**04 00 35 20.7**±.51	**34.96N**±.032	**139.19E**±.038	**3**±5.7		**40**	**0-3**
JMA	III	04 00 35 21.2±.1	34.96N±.01	139.17E±.01	4±2	3.1		**¶97iii0727**
ISC	**III**	**04 00 43 17.1**±.47	**34.94N**±.026	**139.19E**±.031	**11**±4.2		**60**	**0-5**
JMA	III	04 00 43 17.6±.1	34.95N±.01	139.16E±.01	4±2	3.6		**¶97iii0729**
ISC	**III**	**04 00 43 46**±1.1	**34.98N**±.069	**139.1E**±.10	**6**±9.9		**9**	**0-2**
JMA	III	04 00 43 46.0±.1	34.96N±.01	139.16E±.01	6±2	3.8		**¶97iii0730**
ISC	**III**	**04 00 46 49.8**±.85	**34.95N**±.063	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	04 00 46 50.1±.1	34.95N±.01	139.16E±.01	4±2	2.8		**¶97iii0731**
ISC	**III**	**04 00 53 33.4**±.51	**34.95N**±.035	**139.19E**±.040	**6**±5.6		**36**	**0-2**
JMA	III	04 00 53 33.8±.1	34.95N±.01	139.18E±.01	4±2	3.1		**¶97iii0734**
ISC	**III**	**04 00 59 21.0**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	04 00 59 21.2±.1	34.95N±.01	139.16E±.01	3±2	3.2		**¶97iii0735**
ISC	**III**	**04 01 03 51.0**±.54	**34.95N**±.040	**139.19E**±.045	**8**±5.8		**27**	**0-2**
JMA	III	04 01 03 51.3±.1	34.96N±.01	139.18E±.01	5±2	3.2		**¶97iii0736**
ISC	**III**	**04 01 04 34**±4.1	**35.0N**±.15	**139.1E**±.42	**8**±15		**7**	**0-2**
JMA	III	04 01 04 33.9±.1	34.96N±.00	139.19E±.01	7±1	2.8		**¶97iii0737**
ISC	**III**	**04 01 14 09.1**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	04 01 14 09.4±.1	34.95N±.01	139.15E±.01	5±2	3.1		**¶97iii0739**
ISC	**III**	**04 01 14 23.3**±.78	**34.97N**±.051	**139.18E**±.090	**10**±7.2		**20**	**0-2**
JMA	III	04 01 14 23.7±.1	34.96N±.00	139.18E±.01	5±1	3.1		**¶97iii0740**
ISC	**III**	**04 01 24 52.8**±.46	**34.97N**±.027	**139.22E**±.032	**10**±4.4		**52**	**0-5**
JMA	III	04 01 24 53.2±.1	34.96N±.01	139.18E±.01	3±2	3.5		**¶97iii0742**
ISC	**III**	**04 01 33 27.7**±.49	**34.94N**±.035	**139.18E**±.043	**9**±5.2		**31**	**0-3**
JMA	III	04 01 33 28.0±.1	34.95N±.01	139.17E±.01	4±2	3.4		**¶97iii0744**
ISC	**III**	**04 01 38 29.3**±.92	**34.95N**±.066	**139.15E**±.086	**9**±9.7		**9**	**0-2**
JMA	III	04 01 38 29.6±.1	34.95N±.01	139.17E±.01	2±2	3.0		**¶97iii0745**
ISC	**III**	**04 02 18 09.3**±.55	**34.95N**±.041	**139.17E**±.056	**11**±5.6		**19**	**0-2**
JMA	III	04 02 18 09.8±.1	34.95N±.01	139.17E±.01	4±2	3.0		**¶97iii0751**
ISC	**III**	**04 02 35 01.5**±.47	**34.95N**±.034	**139.18E**±.038	**9**±4.9		**37**	**0-3**
JMA	III	04 02 35 01.9±.1	34.96N±.01	139.17E±.01	3±2	3.3		**¶97iii0752**
ISC	**III**	**04 02 54 12.3**±.90	**34.97N**±.061	**139.17E**±.099	**9**±8.3		**12**	**0-2**
JMA	III	04 02 54 12.6±.1	34.97N±.00	139.18E±.01	4±1	2.8		**¶97iii0757**
ISC	**III**	**04 03 24 32.5**±.50	**34.94N**±.032	**139.17E**±.037	**8**±5.2		**37**	**0-3**
JMA	III	04 03 24 32.8±.1	34.96N±.01	139.17E±.01	4±2	3.0		**¶97iii0763**
ISC	**III**	**04 03 33 06.2**±.85	**34.96N**±.066	**139.13E**±.079	**6**±12		**8**	**0-2**
JMA	III	04 03 33 06.6±.1	34.95N±.01	139.14E±.01	5±2	2.9		**¶97iii0766**
ISC	**III**	**04 03 34 58.9**±.46	**34.95N**±.031	**139.19E**±.035	**10**±4.5		**48**	**0-3**
JMA	III	04 03 34 59.4±.1	34.95N±.01	139.16E±.01	3±2	3.2		**¶97iii0767**
ISC	**III**	**04 03 51 26.9**±.42	**34.94N**±.018	**139.18E**±.020	**14**±2.6	**5.2b,5.4s**	**452**	**0-163**
BJI	III	04 03 51 25.6	35.03N	139.40E	18	5.2b,5.7s		**¶97iii0769**
NEIC	III	04 03 51 25.8	34.89N	139.04E	10	5.3b,5.3s		
EIDC	III	04 03 51 25.9	34.9N	139.3E	0	4.9b,5.3s		
JMA	III	04 03 51 27.2±.1	34.95N±.01	139.17E±.01	3±2	5.7		
HRVD	III	04 03 51 29.3±.4	34.93N±.05	139.21E±.06	15			
MOS	III	04 03 51 29.4	35.0N	139.2E	33	5.6b,5.6s		
NEIC	Mw5.6(HRV). Casualties I=VI MM.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Three people slightly injured at Ito. Felt I=IV J at Ito, III J at Yokohama and Yokosuka, II J at Tokyo and I J at Kofu and Urawa.							
JMA	Felt I=IV J1							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c38; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}0.55±.06; $M_{\theta\theta}$1.64±.08; $M_{\phi\phi}$−2.19±.10; $M_{r\theta}$0.73±.21; $M_{r\phi}$1.49±.25; $M_{\theta\phi}$−1.49±.07. Principal Axes: T 2.20,Plg11°,Azm15°; N 1.20, Plg65°,Azm261°; P −3.39,Plg23°,Azm110°. Best double couple: $M_0$2.8×10^{17}Nm, NP1: ϕ_S151°,δ66°,λ−9°. NP2:ϕ_S244°,δ82°,λ−156°.							
ISC	**III**	**04 03 54 14**±1.1	**34.96N**±.076	**139.2E**±.14	**9**±9.5		**11**	**0-1**
JMA	III	04 03 54 13.8±.1	34.98N±.01	139.18E±.01	4±2	4.0	**¶97iii0770**	
ISC	**III**	**04 03 55 44.0**±.67	**34.94N**±.039	**139.21E**±.057	**7**±6.5		**32**	**0-2**
JMA	III	04 03 55 44.3±.0	34.95N±.00	139.20E±.01	8±1	4.0	**¶97iii0771**	
ISC	**III**	**04 03 57 05**±1.4	**34.96N**±.074	**139.2E**±.12	**8**±14		**7**	**0-1**
JMA	III	04 03 57 05.1±.0	34.96N±.00	139.17E±.01	5±1	3.9	**¶97iii0772**	
ISC	**III**	**04 03 57 49.2**±.96	**34.94N**±.067	**139.15E**±.082	**10**±10		**8**	**0-1**
JMA	III	04 03 57 49.5±.1	34.94N±.00	139.17E±.01	3±2	3.9	**¶97iii0773**	
ISC	**III**	**04 03 58 40.7**±.89	**34.96N**±.064	**139.12E**±.090	**9**±9.5		**9**	**0-2**
JMA	III	04 03 58 40.9±.1	34.96N±.01	139.16E±.01	2±2	3.9	**¶97iii0774**	
ISC	**III**	**04 03 59 19**±1.1	**34.99N**±.082	**139.1E**±.13	**9**±10		**8**	**0-2**
JMA	III	04 03 59 19.6±.1	34.97N±.01	139.15E±.01	3±2	3.0	**¶97iii0776**	
ISC	**III**	**04 04 00 56.8**±.84	**34.95N**±.063	**139.14E**±.079	**8**±8.9		**9**	**0-2**
JMA	III	04 04 00 57.0±.1	34.95N±.01	139.16E±.01	5±2	3.3	**¶97iii0777**	
ISC	**III**	**04 04 09 34.1**±.48	**34.95N**±.032	**139.18E**±.036	**9**±4.9		**35**	**0-3**
JMA	III	04 04 09 34.4±.0	34.96N±.00	139.16E±.01	5±1	3.3	**¶97iii0779**	
ISC	**III**	**04 04 10 19.4**±.56	**34.95N**±.036	**139.19E**±.049	**7**±5.8	3.0b	**26**	**0-67**
JMA	III	04 04 10 19.8±.1	34.95N±.01	139.17E±.01	5±2	3.2	**¶97iii0780**	
ISC	**III**	**04 04 22 01.0**±.88	**34.93N**±.066	**139.15E**±.079	**9**±8.7		**9**	**0-2**
JMA	III	04 04 22 01.2±.1	34.92N±.01	139.17E±.01	4±2	3.1	**¶97iii0782**	
ISC	**III**	**04 04 27 30.9**±.52	**34.95N**±.034	**139.18E**±.044	**8**±5.5		**28**	**0-2**
JMA	III	04 04 27 31.2±.0	34.96N±.00	139.16E±.01	5±1	3.2	**¶97iii0784**	
ISC	**III**	**04 04 30 16.9**±.93	**34.96N**±.073	**139.14E**±.084	**10**±8.5		**12**	**0-1**
JMA	III	04 04 30 17.3±.1	34.97N±.01	139.16E±.01	4±1	2.9	**¶97iii0785**	
ISC	**III**	**04 04 30 48.4**±.52	**34.97N**±.043	**139.15E**±.047	**10**±5.9		**20**	**0-2**
JMA	III	04 04 30 48.9±.1	34.97N±.00	139.15E±.01	1±1	2.8	**¶97iii0786**	
ISC	**III**	**04 04 34 05.8**±.51	**34.93N**±.036	**139.18E**±.043	**7**±5.6		**26**	**0-2**
JMA	III	04 04 34 06.1±.1	34.93N±.00	139.17E±.01	2±2	3.1	**¶97iii0787**	
ISC	**III**	**04 04 39 30**±1.0	**34.97N**±.060	**139.1E**±.11	**6**±11		**8**	**0-2**
JMA	III	04 04 39 29.7±.0	34.97N±.00	139.18E±.00	5±1	2.9	**¶97iii0788**	
ISC	**III**	**04 06 25 06**±1.1	**34.97N**±.062	**139.2E**±.11	**7**±10		**8**	**0-2**
JMA	III	04 06 25 06.3±.0	34.96N±.00	139.17E±.01	6±1	2.9	**¶97iii0797**	
ISC	**III**	**04 07 13 46**±1.1	**34.93N**±.071	**139.2E**±.11	**9**±9.5		**8**	**0-2**
JMA	III	04 07 13 45.9±.0	34.92N±.00	139.20E±.01	5±1	2.9	**¶97iii0798**	
ISC	**III**	**04 07 42 17.4**±.83	**34.96N**±.058	**139.14E**±.076	**6**±10		**9**	**0-2**
JMA	III	04 07 42 17.4±.1	34.96N±.00	139.17E±.01	1±2	2.9	**¶97iii0806**	
ISC	**III**	**04 08 31 38.7**±.48	**34.94N**±.031	**139.18E**±.036	**8**±4.9		**37**	**0-3**
JMA	III	04 08 31 39.0±.0	34.95N±.00	139.15E±.01	4±2	3.0	**¶97iii0813**	
ISC	**III**	**04 09 15 18**±5.7	**35.9N**±.21	**139.1E**±.23	**127**±53		**7**	**0-1**
JMA	III	04 09 15 17.7±.2	35.91N±.01	139.11E±.02	125±2		**¶97iii0821**	
ISC	**III**	**04 09 59 29.6**±.88	**34.96N**±.067	**139.13E**±.074	**5**±15		**8**	**0-2**
JMA	III	04 09 59 29.7±.1	34.96N±.01	139.15E±.01	4±2	3.0	**¶97iii0826**	
ISC	**III**	**04 11 00 51.6**±.83	**34.96N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	04 11 00 51.9±.1	34.96N±.00	139.14E±.01	5±1	3.1	**¶97iii0834**	
ISC	**III**	**04 11 02 13.1**±.51	**34.97N**±.031	**139.19E**±.036	**6**±5.2		**38**	**0-2**
JMA	III	04 11 02 13.6±.0	34.96N±.00	139.16E±.01	3±2	3.0	**¶97iii0835**	
ISC	**III**	**04 11 59 29.2**±.48	**34.96N**±.025	**139.18E**±.028	**11**±4.1		**79**	**0-5**
JMA	III	04 11 59 29.6±.0	34.96N±.01	139.16E±.01	4±2	3.7	**¶97iii0840**	
ISC	**III**	**04 12 41 05.6**±.76	**34.97N**±.051	**139.13E**±.070	**4**		**9**	**0-2**
JMA	III	04 12 41 05.7±.1	34.96N±.00	139.15E±.01	4±1	2.9	**¶97iii0845**	
ISC	**III**	**04 13 58 23.5**±.82	**34.97N**±.069	**139.14E**±.085	**12**±7.5		**9**	**0-2**
JMA	III	04 13 58 23.9±.1	34.96N±.01	139.16E±.01	4±2	2.8	**¶97iii0854**	
ISC	**III**	**04 14 28 23.2**±.48	**34.94N**±.024	**139.17E**±.027	**13**±3.9	**3.7b**	**93**	**0-67**
NEIC	III	04 14 28 20.2	34.78N	139.02E	10	3.4b	**¶97iii0861**	
EIDC	III	04 14 28 20.9	34.9N	139.1E	0	3.6b,3.8L		
JMA	III	04 14 28 23.6±.1	34.95N±.01	139.17E±.01	2±2	3.7		
NEIC	Felt I=V MM, Less reliable solution.							
NEIC	Felt I=III J at Atami and Ito.							
ISC	**III**	**04 14 37 37.1**±.51	**34.95N**±.032	**139.18E**±.039	**7**±5.3		**34**	**0-3**
JMA	III	04 14 37 37.4±.0	34.95N±.01	139.17E±.01	5±1	3.1	**¶97iii0863**	
ISC	**III**	**04 14 38 13.5**±.52	**34.96N**±.035	**139.18E**±.043	**4**±6.5		**25**	**0-2**
JMA	III	04 14 38 13.9±.1	34.97N±.00	139.16E±.01	2±2	3.1	**¶97iii0864**	
ISC	**III**	**04 14 55 14.5**±.48	**34.95N**±.032	**139.19E**±.040	**9**±4.9		**31**	**0-3**
JMA	III	04 14 55 14.8±.0	34.95N±.01	139.17E±.01	6±1	3.3	**¶97iii0869**	
ISC	**III**	**04 15 00 15.7**±.95	**34.95N**±.066	**139.14E**±.083	**10**±10		**9**	**0-2**
JMA	III	04 15 00 16.1±.1	34.95N±.01	139.15E±.01	4±2	2.9	**¶97iii0870**	
ISC	**III**	**04 15 15 46.0**±.65	**34.96N**±.052	**139.15E**±.061	**9**±5.5		**19**	**0-3**
JMA	III	04 15 15 46.2±.1	34.95N±.01	139.16E±.01	4±2	3.3	**¶97iii0875**	
ISC	**III**	**04 15 23 10.0**±.85	**34.95N**±.064	**139.14E**±.080	**9**±8.7		**9**	**0-2**
JMA	III	04 15 23 10.3±.1	34.95N±.01	139.15E±.01	4±2	3.1	**¶97iii0877**	
ISC	**III**	**04 15 24 51.9**±.84	**34.96N**±.058	**139.14E**±.076	**6**±9.9		**9**	**0-2**
JMA	III	04 15 24 52.1±.1	34.95N±.00	139.16E±.01	5±1	3.1	**¶97iii0878**	
ISC	**III**	**04 15 30 06.3**±.85	**34.95N**±.063	**139.14E**±.080	**9**±8.8		**9**	**0-2**
JMA	III	04 15 30 06.6±.1	34.95N±.01	139.15E±.01	4±2	3.1	**¶97iii0879**	
ISC	**III**	**04 15 35 49.8**±.85	**34.95N**±.064	**139.13E**±.082	**9**±8.5		**9**	**0-2**
JMA	III	04 15 35 50.1±.1	34.95N±.01	139.15E±.01	5±2	2.9	**¶97iii0881**	
ISC	**III**	**04 15 41 15.7**±.76	**34.97N**±.052	**139.12E**±.070	**5**		**9**	**0-2**
JMA	III	04 15 41 15.8±.1	34.96N±.01	139.15E±.01	5±1	3.1	**¶97iii0882**	
ISC	**III**	**04 15 46 01.2**±.76	**34.96N**±.056	**139.14E**±.073	**6**±7.8		**11**	**0-3**
JMA	III	04 15 46 01.4±.1	34.95N±.01	139.15E±.01	4±2	3.3	**¶97iii0884**	
ISC	**III**	**04 16 03 48.8**±.85	**34.95N**±.064	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	04 16 03 49.2±.1	34.95N±.01	139.15E±.01	5±2	3.0	**¶97iii0885**	
ISC	**III**	**04 16 04 12.7**±.94	**34.95N**±.065	**139.13E**±.083	**10**±10		**9**	**0-2**
JMA	III	04 16 04 13.1±.1	34.95N±.01	139.15E±.01	5±1	3.0	**¶97iii0886**	
ISC	**III**	**04 16 05 56.6**±.85	**34.95N**±.064	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	04 16 05 57.0±.1	34.94N±.01	139.15E±.01	5±2	3.0	**¶97iii0887**	
ISC	**III**	**04 16 15 09.3**±.84	**34.95N**±.063	**139.14E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	04 16 15 09.6±.1	34.95N±.01	139.14E±.01	5±1	3.0	**¶97iii0888**	
ISC	**III**	**04 16 29 29.5**±.47	**34.94N**±.026	**139.20E**±.029	**11**±4.2		**64**	**0-5**
JMA	III	04 16 29 29.9±.0	34.95N±.01	139.17E±.01	5±1	3.4	**¶97iii0891**	
ISC	**III**	**04 17 07 19.1**±.82	**34.97N**±.061	**139.13E**±.081	**8**±8.9		**9**	**0-2**
JMA	III	04 17 07 19.5±.1	34.96N±.01	139.14E±.01	4±2	3.2	**¶97iii0894**	
ISC	**III**	**04 17 08 42.5**±.57	**34.96N**±.046	**139.15E**±.057	**12**±5.8		**16**	**0-2**
JMA	III	04 17 08 43.0±.1	34.95N±.00	139.14E±.01	6±1	3.0	**¶97iii0895**	
ISC	**III**	**04 17 26 48.1**±.48	**34.96N**±.032	**139.19E**±.038	**9**±4.9		**34**	**0-2**
JMA	III	04 17 26 48.5±.0	34.95N±.01	139.17E±.01	5±1	3.1	**¶97iii0897**	
ISC	**III**	**04 17 51 45.7**±.85	**34.95N**±.064	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	04 17 51 46.0±.1	34.95N±.01	139.15E±.01	5±1	2.8	**¶97iii0900**	
ISC	**III**	**04 18 57 47.2**±.86	**34.95N**±.064	**139.15E**±.081	**10**±8.6		**9**	**0-2**
JMA	III	04 18 57 47.5±.1	34.95N±.01	139.17E±.01	7±1	3.2	**¶97iii0905**	
ISC	**III**	**04 20 55 24.5**±.48	**34.96N**±.036	**139.17E**±.042	**10**±5.2		**29**	**0-2**
JMA	III	04 20 55 24.9±.0	34.96N±.01	139.16E±.01	5±1	2.9	**¶97iii0916**	
ISC	**III**	**04 21 14 45.5**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	04 21 14 45.8±.1	34.96N±.01	139.15E±.01	5±2	3.0	**¶97iii0918**	
ISC	**III**	**04 21 17 46.8**±.46	**34.95N**±.026	**139.16E**±.031	**8**±4.3		**62**	**0-5**
JMA	III	04 21 17 47.2±.1	34.95N±.01	139.13E±.01	3±2	3.3	**¶97iii0919**	
ISC	**III**	**04 21 39 42.3**±.84	**34.95N**±.063	**139.13E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	04 21 39 42.6±.1	34.95N±.01	139.15E±.01	6±1	2.9	**¶97iii0922**	
ISC	**III**	**04 21 41 40.1**±.84	**34.96N**±.063	**139.13E**±.082	**9**±8.5		**9**	**0-2**
JMA	III	04 21 41 40.4±.1	34.95N±.01	139.15E±.01	5±1	2.9	**¶97iii0923**	
ISC	**III**	**04 21 51 57.3**±.47	**34.96N**±.030	**139.19E**±.036	**10**±4.6		**37**	**0-3**
JMA	III	04 21 51 57.7±.1	34.95N±.01	139.16E±.01	6±2	3.1	**¶97iii0925**	
ISC	**III**	**04 21 59 26.9**±.47	**34.95N**±.029	**139.19E**±.034	**9**±4.6		**49**	**0-3**
JMA	III	04 21 59 27.3±.0	34.95N±.01	139.17E±.01	6±1	3.3	**¶97iii0927**	
ISC	**III**	**04 22 08 29.3**±.85	**34.95N**±.064	**139.13E**±.082	**10**±8.5		**9**	**0-2**
JMA	III	04 22 08 29.6±.1	34.95N±.01	139.14E±.01	5±2	3.0	**¶97iii0929**	
ISC	**III**	**04 22 23 06.4**±.84	**34.96N**±.064	**139.13E**±.082	**10**±8.5		**9**	**0-2**
JMA	III	04 22 23 06.7±.1	34.95N±.01	139.15E±.01	5±2	2.8	**¶97iii0931**	
ISC	**III**	**04 22 32 40.2**±.93	**34.95N**±.067	**139.13E**±.090	**10**±9.3		**9**	**0-2**
JMA	III	04 22 32 40.5±.1	34.95N±.01	139.15E±.01	5±2	3.1	**¶97iii0934**	
ISC	**III**	**04 22 51 04.0**±.84	**34.95N**±.063	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	04 22 51 04.2±.1	34.95N±.01	139.15E±.01	5±1	3.0	**¶97iii0935**	
ISC	**III**	**04 23 31 17.9**±.81	**34.97N**±.061	**139.13E**±.082	**8**±8.8		**9**	**0-2**
JMA	III	04 23 31 18.1±.1	34.98N±.01	139.16E±.01	3±2	3.0	**¶97iii0938**	
ISC	**III**	**04 23 40 22.7**±.90	**34.96N**±.059	**139.12E**±.085	**6**±12		**9**	**0-2**
JMA	III	04 23 40 22.8±.1	34.95N±.01	139.14E±.01	5±2	3.0	**¶97iii0943**	
ISC	**III**	**04 23 43 31.4**±.85	**34.95N**±.064	**139.13E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	04 23 43 31.7±.1	34.95N±.01	139.15E±.01	5±2	3.0	**¶97iii0944**	
ISC	**III**	**04 23 48 13.0**±.50	**34.94N**±.040	**139.18E**±.041	**9**±5.2		**31**	**0-3**
JMA	III	04 23 48 13.4±.0	34.95N±.00	139.16E±.01	7±1	3.0	**¶97iii0946**	
ISC	**III**	**05 03 22 33.4**±.50	**34.94N**±.031	**139.19E**±.037	**7**±5.3		**44**	**0-3**
JMA	III	05 03 22 33.8±.1	34.95N±.01	139.17E±.01	5±2	3.2	**¶97iii0970**	
ISC	**III**	**05 05 00 26**±1.2	**34.98N**±.081	**139.1E**±.13	**8**±12		**8**	**0-1**
JMA	III	05 05 00 26.0±.1	34.96N±.01	139.14E±.01	5±2	2.8	**¶97iii0988**	
ISC	**III**	**05 05 00 46.8**±.48	**34.94N**±.031	**139.18E**±.042	**9**±4.9		**36**	**0-3**
JMA	III	05 05 00 47.2±.1	34.95N±.01	139.16E±.01	5±2	3.3	**¶97iii0989**	
ISC	**III**	**05 05 03 03**±1.0	**34.92N**±.079	**139.18E**±.076	**3**±16		**9**	**0-2**
JMA	III	05 05 03 02.5±.0	34.91N±.00	139.18E±.01	5±1	2.8	**¶97iii0990**	
ISC	**III**	**05 07 24 37.2**±.51	**34.96N**±.044	**139.14E**±.047	**9**±6.1		**20**	**0-2**
JMA	III	05 07 24 37.6±.1	34.96N±.00	139.14E±.01	1±2	2.9	**¶97iii1007**	
ISC	**III**	**05 08 00 13.0**±.85	**34.95N**±.064	**139.13E**±.082	**10**±8.5		**9**	**0-2**
JMA	III	05 08 00 13.3±.1	34.95N±.01	139.15E±.01	6±1	2.8	**¶97iii1013**	
ISC	**III**	**05 08 51 29.5**±.54	**34.87N**±.037	**139.18E**±.041	**7**±5.8		**29**	**0-2**
JMA	III	05 08 51 29.9±.1	34.87N±.01	139.17E±.01	0	2.9	**¶97iii1023**	
ISC	**III**	**05 10 23 33.7**±.48	**34.95N**±.025	**139.21E**±.029	**12**±4.1	**3.7b**	**77**	**0-59**
NEIC	III	05 10 23 30.1	34.77N	139.36E	10		**¶97iii1037**	
EIDC	III	05 10 23 31.1	34.8N	139.0E	0	3.7b,3.9L		
JMA	III	05 10 23 34.2±.0	34.95N±.01	139.17E±.01	6±1	3.6		
NEIC	Felt I=V MM, Poor solution.							
NEIC	Felt I=III J at Ito and Kawana.							
ISC	**III**	**05 11 10 40.7**±.49	**34.96N**±.035	**139.17E**±.042	**10**±5.2		**26**	**0-2**
JMA	III	05 11 10 41.1±.1	34.96N±.01	139.16E±.01	4±1	3.0	**¶97iii1047**	
ISC	**III**	**05 13 43 28.0**±.45	**34.94N**±.021	**139.16E**±.022	**13**±3.3	**4.3b,4.3s**	**194**	**0-149**
BJI	III	05 13 43 23.1	34.84N	140.25E	36	4.7b,4.5s	**¶97iii1069**	
EIDC	III	05 13 43 26.0	34.9N	139.3E	0	4.2b,4.1L		
NEIC	III	05 13 43 26.3	34.78N	139.05E	10	4.6b,4.2s		
JMA	III	05 13 43 28.6±.0	34.96N±.01	139.16E±.01	3±1	4.3		
MOS	III	05 13 43 29.4	34.9N	139.2E	33	5.1b		
NEIC	Less reliable solution.							
JMA	Felt I=VI J1							
ISC	**III**	**05 13 47 16.3**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.6		**9**	**0-2**
JMA	III	05 13 47 16.6±.1	34.96N±.01	139.15E±.01	2±2	3.3	**¶97iii1070**	
ISC	**III**	**05 14 03 36**±1.0	**34.95N**±.066	**139.13E**±.084	**6**±13		**7**	**0-1**
JMA	III	05 14 03 36.1±.1	34.95N±.00	139.15E±.01	3±1	2.8	**¶97iii1075**	
ISC	**III**	**05 15 28 22.0**±.51	**34.97N**±.036	**139.15E**±.046	**6**±5.9		**24**	**0-2**
JMA	III	05 15 28 22.4±.1	34.97N±.01	139.15E±.01	3±2	2.8	**¶97iii1087**	
ISC	**III**	**05 15 35 29.2**±.49	**34.83N**±.024	**139.20E**±.026	**12**±3.9	**3.7b**	**95**	**0-84**
NEIC	III	05 15 35 28.3	34.81N	139.33E	10	3.5b	**¶97iii1088**	
EIDC	III	05 15 35 29.2	34.9N	139.4E	0	3.7b,3.5L		
JMA	III	05 15 35 29.8±.1	34.86N±.01	139.18E±.01	5±2	3.6		
NEIC	Less reliable solution.							
ISC	**III**	**05 15 42 34**±1.2	**34.87N**±.080	**139.2E**±.11	**5**±15		**6**	**0-2**
JMA	III	05 15 42 34.2±.0	34.87N±.00	139.18E±.00	7±1	2.8	**¶97iii1089**	
ISC	**III**	**05 16 04 07.4**±.45	**34.96N**±.026	**139.19E**±.029	**10**±4.2		**63**	**0-5**
JMA	III	05 16 04 07.8±.1	34.95N±.01	139.16E±.01	4±2	3.4	**¶97iii1093**	
ISC	**III**	**05 16 16 23.1**±.51	**34.95N**±.036	**139.17E**±.048	**10**±5.8		**22**	**0-2**
JMA	III	05 16 16 23.6±.1	34.96N±.01	139.16E±.01	4±2	2.8	**¶97iii1094**	
ISC	**III**	**05 16 28 51.1**±.63	**34.96N**±.045	**139.17E**±.062	**11**±6.0		**17**	**0-2**
JMA	III	05 16 28 51.5±.1	34.97N±.00	139.18E±.01	5±1	2.8	**¶97iii1096**	
ISC	**III**	**05 16 37 24.4**±.83	**34.96N**±.062	**139.13E**±.081	**8**±8.8		**9**	**0-2**
JMA	III	05 16 37 24.6±.1	34.96N±.00	139.14E±.01	5±1	2.9	**¶97iii1098**	
ISC	**III**	**05 17 18 38.9**±.49	**34.95N**±.035	**139.16E**±.046	**10**±5.3		**24**	**0-2**
JMA	III	05 17 18 39.3±.1	34.96N±.01	139.15E±.01	5±1	2.9	**¶97iii1104**	
ISC	**III**	**05 19 01 18.7**±.44	**34.96N**±.025	**139.19E**±.027	**11**±4.0		**74**	**0-5**
JMA	III	05 19 01 19.0±.0	34.96N±.01	139.16E±.01	4±1	3.5	**¶97iii1115**	
ISC	**III**	**05 19 12 35.7**±.47	**34.96N**±.029	**139.19E**±.032	**9**±4.6		**50**	**0-3**
JMA	III	05 19 12 36.1±.1	34.96N±.01	139.16E±.01	3±2	3.1	**¶97iii1117**	
ISC	**III**	**05 20 32 21.2**±.47	**34.96N**±.032	**139.18E**±.037	**10**±4.7		**38**	**0-3**
JMA	III	05 20 32 21.6±.1	34.96N±.01	139.15E±.01	4±2	2.9	**¶97iii1127**	
ISC	**III**	**05 21 01 42.5**±.49	**34.96N**±.035	**139.17E**±.045	**10**±5.3		**24**	**0-2**
JMA	III	05 21 01 42.9±.1	34.96N±.01	139.15E±.01	4±2	2.9	**¶97iii1129**	
ISC	**III**	**05 21 46 24**±1.1	**34.86N**±.076	**139.16E**±.085	**10**±10		**8**	**0-2**
JMA	III	05 21 46 24.3±.1	34.86N±.01	139.16E±.01	3±2	2.9	**¶97iii1133**	
ISC	**III**	**06 01 27 58**±4.2	**35.2N**±.18	**140.0E**±.18	**67**±58		**8**	**0-2**
JMA	III	06 01 27 56.7±.4	35.20N±.02	139.96E±.02	86±4		**¶97iii1160**	
ISC	**III**	**06 02 32 14.5**±.85	**34.96N**±.065	**139.13E**±.084	**11**±8.3		**9**	**0-2**
JMA	III	06 02 32 14.9±.1	34.95N±.00	139.15E±.01	6±1	2.8	**¶97iii1172**	
ISC	**III**	**06 03 52 33.2**±.47	**34.84N**±.026	**139.17E**±.031	**8**±4.1	**3.8b**	**61**	**0-67**
NEIC	III	06 03 52 33.5	34.84N	138.85E	10	3.4b	**¶97iii1185**	
EIDC	III	06 03 52 33.5	34.8N	138.7E	0	3.6b,3.5L		
JMA	III	06 03 52 33.7±.1	34.87N±.01	139.18E±.01	4±2	3.4		
NEIC	Less reliable solution.							
ISC	**III**	**06 04 00 10.8**±.50	**34.85N**±.033	**139.19E**±.042	**8**±5.5		**27**	**0-2**
JMA	III	06 04 00 11.2±.1	34.86N±.01	139.17E±.01	1±2	2.8	**¶97iii1187**	
ISC	**III**	**06 04 25 27.9**±.48	**34.84N**±.024	**139.18E**±.027	**12**±3.8	**4.0b**	**99**	**0-67**
NEIC	III	06 04 25 27.1	34.96N	139.22E	10	4.4b	**¶97iii1191**	
EIDC	III	06 04 25 27.6	34.9N	139.2E	0	3.9b,3.8L		
JMA	III	06 04 25 28.3±.1	34.86N±.01	139.16E±.01	1±2	3.8		
NEIC	Less reliable solution.							
ISC	**III**	**06 04 38 22.0**±.50	**34.86N**±.036	**139.18E**±.041	**9**±5.3	3.6b	**28**	**0-67**
JMA	III	06 04 38 22.5±.1	34.87N±.01	139.18E±.01	2±2	2.9	**¶97iii1194**	

ISC	**III**	**06 04 58 33.9**±.50	**34.84N**±.028	**139.19E**±.031	**10**±4.0	**3.6b**	**65**	**0-67**
NEIC	III	06 04 58 33.6	34.84N	139.16E	10	3.2b		**¶97iii1197**
EIDC	III	06 04 58 33.9	34.9N	139.2E	0	3.5b,3.7L		
JMA	III	06 04 58 34.4±.1	34.87N±.01	139.18E±.01	1±2	3.6		
NEIC	Less reliable solution.							
ISC	**III**	**06 04 59 55**±7.0	**34.9N**±.21	**139.2E**±.53	**9**±13		**7**	**0-1**
JMA	III	06 04 59 55.3±.1	34.87N±.00	139.19E±.01	5±2	2.8		**¶97iii1199**
ISC	**III**	**06 05 01 39.1**±.51	**34.83N**±.034	**139.17E**±.038	**9**±4.9		**41**	**0-3**
JMA	III	06 05 01 39.6±.1	34.86N±.01	139.18E±.01	4±2	3.4		**¶97iii1200**
ISC	**III**	**06 05 04 40.6**±.96	**34.86N**±.070	**139.15E**±.078	**8**±9.6		**9**	**0-2**
JMA	III	06 05 04 40.9±.1	34.86N±.01	139.17E±.01	3±2	2.9		**¶97iii1201**
ISC	**III**	**06 05 35 52.0**±.49	**34.84N**±.029	**139.18E**±.035	**9**±4.7		**43**	**0-3**
JMA	III	06 05 35 52.4±.1	34.87N±.01	139.17E±.01	5±2	3.4		**¶97iii1205**
ISC	**III**	**06 05 47 39**±1.2	**34.87N**±.078	**139.2E**±.11	**10**±12		**7**	**0-1**
JMA	III	06 05 47 39.7±.0	34.87N±.00	139.18E±.01	5±1	2.8		**¶97iii1207**
ISC	**III**	**06 05 51 41.9**±.49	**34.84N**±.027	**139.18E**±.033	**9**±4.2	**3.8b**	**57**	**0-67**
NEIC	III	06 05 51 42.1	34.92N	139.16E	10			**¶97iii1208**
JMA	III	06 05 51 42.3±.1	34.86N±.01	139.18E±.01	5±2	3.6		
EIDC	III	06 05 51 42.8	34.9N	139.0E	0	3.7b,3.3L		
NEIC	Poor solution.							
ISC	**III**	**06 07 10 01.0**±.49	**34.85N**±.032	**139.18E**±.039	**9**±5.1		**37**	**0-2**
JMA	III	06 07 10 01.4±.1	34.86N±.01	139.16E±.01	2±2	3.0		**¶97iii1222**
ISC	**III**	**06 08 11 19**±1.0	**34.87N**±.074	**139.18E**±.098	**7**±10		**8**	**0-2**
JMA	III	06 08 11 19.6±.1	34.86N±.00	139.18E±.01	8±1	2.8		**¶97iii1232**
ISC	**III**	**06 08 40 19**±1.1	**34.87N**±.076	**139.2E**±.10	**9**±9.6		**8**	**0-2**
JMA	III	06 08 40 19.4±.1	34.86N±.00	139.19E±.01	8±2	2.9		**¶97iii1236**
ISC	**III**	**06 09 25 41**±7.1	**34.8N**±.22	**139.3E**±.49	**10**±13		**8**	**0-2**
JMA	III	06 09 25 42.6±.1	34.86N±.00	139.18E±.01	6±1	2.8		**¶97iii1240**
ISC	**III**	**06 09 42 39.7**±.51	**34.86N**±.036	**139.20E**±.044	**10**±5.3		**30**	**0-2**
JMA	III	06 09 42 40.2±.1	34.86N±.01	139.17E±.01	3±2	2.8		**¶97iii1241**
ISC	**III**	**06 10 12 24.9**±.48	**34.95N**±.024	**139.20E**±.027	**14**±3.9	**3.7b**	**92**	**0-67**
NEIC	III	06 10 12 20.3	34.68N	139.21E	10	3.4b		**¶97iii1245**
EIDC	III	06 10 12 23.8	35.0N	139.3E	0	3.7b,3.1L		
JMA	III	06 10 12 25.4±.1	34.94N±.01	139.17E±.01	3±2	3.7		
NEIC	Poor solution.							
ISC	**III**	**06 10 16 03.1**±.49	**34.94N**±.035	**139.17E**±.041	**9**±5.2		**32**	**0-2**
JMA	III	06 10 16 03.4±.1	34.95N±.01	139.17E±.01	4±2	2.8		**¶97iii1246**
ISC	**III**	**06 10 22 37**±5.9	**35.5N**±.16	**139.2E**±.27	**133**±53		**12**	**0-2**
JMA	III	06 10 22 38.3±.2	35.57N±.01	139.24E±.02	118±2			**¶97iii1247**
ISC	**III**	**06 11 35 55.6**±.47	**34.84N**±.024	**139.21E**±.026	**12**±3.9	**3.8b**	**91**	**0-70**
NEIC	III	06 11 35 54.0	34.78N	139.28E	10	3.4b		**¶97iii1261**
EIDC	III	06 11 35 54.3	34.9N	139.4E	0	3.7b,3.5L		
JMA	III	06 11 35 55.9±.1	34.86N±.01	139.17E±.01	1±2	3.4		
NEIC	Less reliable solution.							
ISC	**III**	**06 11 44 27.5**±.49	**34.95N**±.033	**139.18E**±.044	**9**±5.2		**34**	**0-2**
JMA	III	06 11 44 27.8±.1	34.95N±.01	139.17E±.01	3±2	2.8		**¶97iii1264**
ISC	**III**	**06 13 15 12.5**±.83	**34.96N**±.062	**139.13E**±.081	**8**±8.7		**9**	**0-2**
JMA	III	06 13 15 12.8±.1	34.96N±.01	139.15E±.01	4±1	2.9		**¶97iii1273**
ISC	**III**	**06 13 39 17.6**±.66	**34.96N**±.042	**139.17E**±.062	**11**±6.9		**27**	**0-2**
JMA	III	06 13 39 18.0±.1	34.96N±.01	139.16E±.01	4±2	3.0		**¶97iii1277**
ISC	**III**	**06 13 41 47.2**±.76	**34.86N**±.057	**139.2E**±.10	**9**±8.9		**10**	**0-2**
JMA	III	06 13 41 47.4±.1	34.86N±.00	139.19E±.01	7±2	2.8		**¶97iii1279**
ISC	**III**	**06 13 42 51.2**±.83	**34.96N**±.057	**139.12E**±.078	**6**±9.8		**9**	**0-2**
JMA	III	06 13 42 51.3±.1	34.96N±.00	139.15E±.01	5±1	2.8		**¶97iii1280**
ISC	**III**	**06 13 53 57.2**±.56	**34.96N**±.040	**139.15E**±.064	**9**±5.8		**25**	**0-2**
JMA	III	06 13 53 57.5±.1	34.96N±.00	139.17E±.01	4±1	2.8		**¶97iii1284**
ISC	**III**	**06 13 56 52.2**±.54	**34.97N**±.040	**139.17E**±.058	**11**±6.0		**28**	**0-2**
JMA	III	06 13 56 52.6±.1	34.97N±.01	139.16E±.01	6±1	2.8		**¶97iii1286**
ISC	**III**	**06 14 02 59.3**±.49	**34.95N**±.033	**139.17E**±.040	**8**±5.3		**36**	**0-2**
JMA	III	06 14 02 59.6±.1	34.96N±.01	139.16E±.01	4±2	2.8		**¶97iii1287**
ISC	**III**	**06 14 06 49**±1.3	**34.8N**±.12	**139.2E**±.12	**7**		**7**	**0-2**
JMA	III	06 14 06 49.2±.1	34.86N±.01	139.17E±.01	7±2	3.0		**¶97iii1289**
ISC	Poorly determined							
ISC	**III**	**06 14 15 25.5**±.48	**34.96N**±.031	**139.17E**±.042	**8**±5.0		**37**	**0-2**
JMA	III	06 14 15 25.9±.1	34.96N±.01	139.16E±.01	3±2	3.0		**¶97iii1290**
ISC	**III**	**06 14 34 38.4**±.49	**34.96N**±.035	**139.17E**±.039	**8**±5.1		**37**	**0-3**
JMA	III	06 14 34 38.7±.0	34.96N±.01	139.16E±.01	3±2	2.9		**¶97iii1292**
ISC	**III**	**06 14 48 26.3**±.49	**34.96N**±.033	**139.17E**±.042	**8**±5.2		**35**	**0-2**
JMA	III	06 14 48 26.5±.1	34.96N±.01	139.16E±.01	4±2	2.9		**¶97iii1293**
ISC	**III**	**06 15 09 58.1**±.51	**34.96N**±.032	**139.19E**±.043	**9**±5.2		**37**	**0-2**
JMA	III	06 15 09 58.4±.1	34.96N±.01	139.16E±.01	3±2	3.1		**¶97iii1297**
ISC	**III**	**06 15 15 06.5**±.50	**34.95N**±.033	**139.17E**±.043	**8**±5.3		**34**	**0-2**
JMA	III	06 15 15 06.8±.1	34.96N±.01	139.16E±.01	3±2	3.0		**¶97iii1300**
ISC	**III**	**06 15 32 58.5**±.49	**34.86N**±.030	**139.16E**±.035	**7**±5.2		**38**	**0-3**
JMA	III	06 15 32 58.9±.1	34.86N±.01	139.16E±.01	1±2	3.1		**¶97iii1302**
ISC	**III**	**06 15 46 56.9**±.48	**34.96N**±.029	**139.19E**±.034	**8**±4.8		**46**	**0-3**
JMA	III	06 15 46 57.2±.1	34.96N±.01	139.16E±.01	4±2	3.2		**¶97iii1304**
ISC	**III**	**06 15 57 07**±1.0	**34.97N**±.059	**139.14E**±.099	**3**±15		**8**	**0-2**
JMA	III	06 15 57 07.0±.0	34.97N±.00	139.17E±.01	4±1	2.9		**¶97iii1307**
ISC	**III**	**06 15 59 18.9**±.91	**34.88N**±.067	**139.14E**±.077	**7**±9.6		**9**	**0-2**
JMA	III	06 15 59 19.1±.1	34.88N±.01	139.16E±.01	2±2	2.8		**¶97iii1308**
ISC	**III**	**06 16 15 35.0**±.48	**34.95N**±.034	**139.16E**±.042	**8**±5.2		**33**	**0-3**
JMA	III	06 16 15 35.4±.1	34.96N±.01	139.15E±.01	2±2	2.8		**¶97iii1309**
ISC	**III**	**06 16 44 47.1**±.83	**34.96N**±.062	**139.12E**±.082	**8**±8.7		**9**	**0-2**
JMA	III	06 16 44 47.3±.1	34.96N±.00	139.15E±.01	4±1	2.8		**¶97iii1312**
ISC	**III**	**06 16 48 09.9**±.59	**34.96N**±.038	**139.15E**±.057	**5**±6.7		**22**	**0-2**
JMA	III	06 16 48 10.3±.1	34.97N±.01	139.15E±.01	1±2	2.8		**¶97iii1313**
ISC	**III**	**06 16 51 55.4**±.51	**34.98N**±.036	**139.16E**±.039	**5**±5.4		**31**	**0-3**
JMA	III	06 16 51 55.8±.1	34.97N±.01	139.15E±.01	3±2	3.0		**¶97iii1314**
ISC	**III**	**06 17 19 33.6**±.53	**34.96N**±.035	**139.17E**±.050	**9**±5.4		**28**	**0-2**
JMA	III	06 17 19 34.0±.1	34.97N±.00	139.16E±.01	5±1	2.8		**¶97iii1319**
ISC	**III**	**06 17 30 41.6**±.53	**34.96N**±.032	**139.17E**±.041	**6**±5.3		**44**	**0-2**
JMA	III	06 17 30 42.0±.1	34.97N±.00	139.17E±.01	5±1	3.0		**¶97iii1320**
ISC	**III**	**06 17 36 08.8**±.46	**34.96N**±.023	**139.19E**±.025	**12**±3.8	**3.8b**,3.6s	**121**	**0-149**
NEIC	III	06 17 36 07.4	34.96N	139.31E	10	3.5b		**¶97iii1321**
EIDC	III	06 17 36 08.6	35.1N	139.3E	0	3.9b,3.5L		
JMA	III	06 17 36 09.2±.1	34.96N±.01	139.16E±.01	3±2	3.9		
NEIC	Poor solution.							
JMA	Felt I=IV J1							
ISC	**III**	**06 17 39 25.7**±.66	**34.97N**±.042	**139.17E**±.072	**10**±6.3		**25**	**0-2**
JMA	III	06 17 39 26.1±.0	34.97N±.00	139.18E±.01	5±1	2.8		**¶97iii1323**
ISC	**III**	**06 17 45 53.7**±.51	**34.96N**±.031	**139.19E**±.039	**7**±5.4		**42**	**0-3**
JMA	III	06 17 45 54.1±.1	34.97N±.01	139.17E±.01	4±2	3.0		**¶97iii1324**
ISC	**III**	**06 18 09 33.4**±.82	**34.96N**±.062	**139.12E**±.083	**9**±8.7		**9**	**0-2**
JMA	III	06 18 09 33.8±.1	34.97N±.00	139.14E±.01	5±1	2.8		**¶97iii1326**
ISC	**III**	**06 18 45 03.7**±.52	**34.97N**±.040	**139.15E**±.046	**6**±6.0		**24**	**0-2**
JMA	III	06 18 45 04.2±.1	34.97N±.00	139.14E±.01	2±1	2.8		**¶97iii1333**
ISC	**III**	**06 19 02 42.9**±.47	**34.96N**±.033	**139.16E**±.043	**9**±4.9		**31**	**0-2**
JMA	III	06 19 02 43.3±.1	34.96N±.01	139.15E±.01	5±2	3.1		**¶97iii1334**
ISC	**III**	**06 19 20 51.5**±.55	**34.96N**±.040	**139.16E**±.054	**10**±5.4		**23**	**0-2**
JMA	III	06 19 20 51.9±.1	34.97N±.00	139.15E±.01	6±1	2.8		**¶97iii1336**
ISC	**III**	**06 19 23 16.6**±.47	**34.96N**±.033	**139.16E**±.042	**9**±5.0		**35**	**0-2**
JMA	III	06 19 23 17.1±.1	34.96N±.01	139.14E±.01	3±2	3.1		**¶97iii1337**
ISC	**III**	**06 19 43 32**±1.0	**34.97N**±.066	**139.1E**±.11	**9**±8.8		**8**	**0-2**
JMA	III	06 19 43 32.7±.0	34.97N±.00	139.15E±.00	5±1	2.8		**¶97iii1339**
ISC	**III**	**06 19 56 32**±1.0	**34.97N**±.060	**139.1E**±.11	**7**±10		**8**	**0-2**
JMA	III	06 19 56 32.5±.0	34.97N±.00	139.15E±.01	5±1	2.9		**¶97iii1341**
ISC	**III**	**06 20 23 30.5**±.45	**34.96N**±.026	**139.18E**±.028	**10**±4.1		**73**	**0-5**
JMA	III	06 20 23 31.0±.1	34.96N±.01	139.14E±.01	4±2	3.3		**¶97iii1345**
ISC	**III**	**06 20 36 55.9**±.48	**34.97N**±.033	**139.19E**±.037	**9**±5.1		**38**	**0-2**
JMA	III	06 20 36 56.3±.1	34.97N±.01	139.16E±.01	4±2	2.9		**¶97iii1347**
ISC	**III**	**06 20 43 56.6**±.49	**34.97N**±.035	**139.18E**±.040	**8**±5.3		**32**	**0-2**
JMA	III	06 20 43 57.1±.1	34.97N±.00	139.15E±.01	3±1	2.8		**¶97iii1348**
ISC	**III**	**06 20 47 27.1**±.48	**34.96N**±.035	**139.16E**±.040	**9**±5.2		**30**	**0-2**
JMA	III	06 20 47 27.5±.1	34.97N±.01	139.15E±.01	4±2	2.9		**¶97iii1350**
ISC	**III**	**06 21 16 00.0**±.48	**34.96N**±.031	**139.18E**±.039	**9**±4.9		**42**	**0-3**
JMA	III	06 21 16 00.4±.1	34.96N±.01	139.15E±.01	4±2	3.1		**¶97iii1354**
ISC	**III**	**06 21 25 30.2**±.49	**34.96N**±.039	**139.15E**±.045	**9**±5.3		**28**	**0-2**
JMA	III	06 21 25 30.7±.1	34.97N±.01	139.14E±.01	4±2	2.8		**¶97iii1355**
ISC	**III**	**06 21 40 01.2**±.49	**34.96N**±.030	**139.18E**±.037	**8**±4.8		**47**	**0-3**
JMA	III	06 21 40 01.7±.1	34.96N±.01	139.15E±.01	4±2	3.2		**¶97iii1356**
ISC	**III**	**06 21 55 34.9**±.52	**34.96N**±.039	**139.16E**±.045	**8**±5.6		**29**	**0-2**
JMA	III	06 21 55 35.5±.1	34.97N±.01	139.14E±.01	4±2	2.9		**¶97iii1357**
ISC	**III**	**06 22 12 25**±2.2	**34.98N**±.081	**139.1E**±.25	**6**±12		**8**	**0-2**
JMA	III	06 22 12 24.8±.0	34.97N±.00	139.16E±.01	6±1	3.0		**¶97iii1359**
ISC	**III**	**06 22 24 05.1**±.46	**34.95N**±.027	**139.16E**±.031	**9**±4.3		**63**	**0-4**
JMA	III	06 22 24 05.4±.1	34.97N±.01	139.15E±.01	4±2	3.3		**¶97iii1362**
ISC	**III**	**06 22 29 57.9**±.48	**34.96N**±.024	**139.18E**±.027	**11**±4.0	**3.6b**	**91**	**0-56**
NEIC	III	06 22 29 54.9	34.82N	139.16E	10			**¶97iii1366**
EIDC	III	06 22 29 55.6	35.0N	139.2E	0	3.6b,3.2L		
JMA	III	06 22 29 58.4±.1	34.96N±.01	139.15E±.01	5±1	3.6		
NEIC	Less reliable solution.							
JMA	Felt I=IV J1							
ISC	**III**	**06 22 32 13.5**±.52	**34.97N**±.033	**139.18E**±.042	**8**±5.3		**38**	**0-5**
JMA	III	06 22 32 13.9±.1	34.97N±.01	139.16E±.01	4±2	3.1		**¶97iii1367**
ISC	**III**	**06 22 56 55**±1.0	**34.99N**±.067	**139.1E**±.11	**7**±10		**9**	**0-2**
JMA	III	06 22 56 54.8±.1	34.97N±.00	139.13E±.01	4±1	2.9		**¶97iii1371**
ISC	**III**	**06 23 55 15.4**±.95	**34.86N**±.070	**139.16E**±.077	**6**±10		**9**	**0-2**
JMA	III	06 23 55 15.7±.1	34.86N±.01	139.17E±.01	5±3	2.9		**¶97iii1375**
ISC	**III**	**06 23 56 14.6**±.48	**34.97N**±.029	**139.18E**±.032	**8**±4.6		**56**	**0-5**
JMA	III	06 23 56 15.1±.1	34.96N±.01	139.14E±.01	1±2	3.5		**¶97iii1376**
ISC	**III**	**07 00 01 20.4**±.50	**34.97N**±.037	**139.17E**±.044	**9**±5.4		**28**	**0-2**
JMA	III	07 00 01 20.8±.1	34.97N±.01	139.16E±.01	4±2	3.3		**¶97iii1377**
ISC	**III**	**07 00 18 22.4**±.47	**34.99N**±.028	**139.16E**±.033	**7**±4.5		**54**	**0-5**
JMA	III	07 00 18 22.9±.1	34.98N±.01	139.13E±.01	0±2	3.4		**¶97iii1380**
ISC	**III**	**07 00 23 02.4**±.63	**34.97N**±.052	**139.16E**±.058	**10**±6.1		**21**	**0-2**
JMA	III	07 00 23 02.9±.1	34.98N±.01	139.14E±.01	4±2	2.9		**¶97iii1383**
ISC	**III**	**07 01 03 40.7**±.54	**34.96N**±.040	**139.16E**±.056	**10**±5.7		**25**	**0-2**
JMA	III	07 01 03 41.2±.1	34.97N±.00	139.15E±.01	3±1	2.8		**¶97iii1389**
ISC	**III**	**07 01 15 10.9**±.48	**34.95N**±.033	**139.16E**±.038	**8**±4.9		**34**	**0-3**
JMA	III	07 01 15 11.2±.1	34.96N±.01	139.15E±.01	4±2	3.2		**¶97iii1390**
ISC	**III**	**07 01 20 45.8**±.45	**34.85N**±.022	**139.25E**±.024	**12**±3.3	**4.3b,4.5s**	**163**	**0-149**
EIDC	III	07 01 20 44.7	34.9N	139.3E	0	4.3b,4.4s		**¶97iii1393**
BJI	III	07 01 20 45.4	34.78N	139.64E	28	4.6b,4.5s		
NEIC	III	07 01 20 45.8	34.95N	139.11E	10	4.4b		
JMA	III	07 01 20 46.3±.1	34.86N±.01	139.24E±.01	5±2	4.2		
MOS	III	07 01 20 49.7	35.1N	139.1E	33	4.9b		
NEIC	Less reliable solution.							
ISC	**III**	**07 01 26 02.7**±.95	**34.86N**±.071	**139.25E**±.078	**6**±11		**9**	**0-2**
JMA	III	07 01 26 03.0±.0	34.86N±.00	139.26E±.00	5±1	2.8		**¶97iii1395**
ISC	**III**	**07 01 28 07.6**±.80	**34.97N**±.054	**139.12E**±.073	**2**±15		**9**	**0-2**
JMA	III	07 01 28 07.6±.1	34.96N±.00	139.15E±.01	4±1	2.8		**¶97iii1396**
ISC	**III**	**07 01 41 13.4**±.55	**34.95N**±.035	**139.17E**±.041	**8**±5.8		**34**	**0-3**
JMA	III	07 01 41 13.7±.1	34.97N±.01	139.13E±.01	0	3.0		**¶97iii1397**
ISC	**III**	**07 01 56 40.8**±.49	**34.97N**±.036	**139.17E**±.038	**6**±5.5		**29**	**0-2**
JMA	III	07 01 56 41.2±.1	34.98N±.01	139.16E±.01	1±2	3.1		**¶97iii1399**
ISC	**III**	**07 02 01 56.3**±.95	**34.96N**±.068	**139.29E**±.082	**9**±10		**9**	**0-2**
JMA	III	07 02 01 56.8±.1	34.97N±.01	139.26E±.01	9±2	2.9		**¶97iii1400**
ISC	**III**	**07 02 02 10.7**±.76	**34.85N**±.063	**139.26E**±.068	**6**		**12**	**0-2**
JMA	III	07 02 02 11.0±.0	34.87N±.00	139.25E±.01	6±1	3.1		**¶97iii1401**
ISC	**III**	**07 02 07 59.0**±.52	**34.85N**±.037	**139.26E**±.042	**9**±5.4		**31**	**0-2**
JMA	III	07 02 07 59.4±.1	34.85N±.01	139.23E±.01	3±2	3.4		**¶97iii1404**
ISC	**III**	**07 02 36 47.0**±.81	**34.97N**±.055	**139.12E**±.073	**3**±14		**9**	**0-2**
JMA	III	07 02 36 47.1±.1	34.96N±.01	139.15E±.01	4±1	2.8		**¶97iii1408**
ISC	**III**	**07 03 09 48.0**±.54	**34.97N**±.044	**139.16E**±.045	**9**±5.6		**23**	**0-2**
JMA	III	07 03 09 48.4±.1	34.97N±.01	139.16E±.01	3±1	2.8		**¶97iii1413**
ISC	**III**	**07 03 13 05.5**±.75	**34.97N**±.058	**139.14E**±.075	**9**±7.8		**12**	**0-2**
JMA	III	07 03 13 05.7±.1	34.96N±.00	139.15E±.01	5±1	3.0		**¶97iii1414**
ISC	**III**	**07 03 14 11.0**±.48	**34.97N**±.036	**139.15E**±.039	**9**±4.8		**42**	**0-4**
JMA	III	07 03 14 11.3±.1	34.97N±.01	139.15E±.01	2±2	3.5		**¶97iii1416**
ISC	**III**	**07 03 18 13.9**±.51	**34.98N**±.041	**139.16E**±.043	**8**±5.8		**23**	**0-2**
JMA	III	07 03 18 14.3±.1	34.97N±.01	139.15E±.01	2±2	2.9		**¶97iii1417**
ISC	**III**	**07 03 18 27**±1.0	**34.98N**±.061	**139.10E**±.095	**3**±15		**9**	**0-2**
JMA	III	07 03 18 26.7±.1	34.96N±.01	139.15E±.01	4±1	2.8		**¶97iii1418**
ISC	**III**	**07 03 35 35.8**±.51	**34.98N**±.034	**139.15E**±.038	**5**±5.6		**31**	**0-2**
JMA	III	07 03 35 36.2±.1	34.98N±.01	139.14E±.01	2±2	3.1		**¶97iii1422**
ISC	**III**	**07 03 39 26.5**±.45	**34.97N**±.028	**139.18E**±.030	**10**±4.2		**59**	**0-5**
JMA	III	07 03 39 26.9±.1	34.96N±.01	139.16E±.01	3±2	3.5		**¶97iii1424**
ISC	**III**	**07 03 46 06.9**±.58	**34.97N**±.048	**139.17E**±.049	**9**±5.8		**21**	**0-2**
JMA	III	07 03 46 07.5±.1	34.97N±.01	139.15E±.01	2±2	2.9		**¶97iii1428**
ISC	**III**	**07 03 51 28.8**±.84	**34.96N**±.063	**139.14E**±.081	**9**±8.7		**9**	**0-2**
JMA	III	07 03 51 29.1±.1	34.96N±.01	139.15E±.01	4±2	2.8		**¶97iii1430**
ISC	**III**	**07 04 06 16.4**±.50	**34.97N**±.035	**139.17E**±.036	**6**±5.2		**34**	**0-3**
JMA	III	07 04 06 16.8±.0	34.97N±.01	139.16E±.01	3±1	3.3		**¶97iii1435**
ISC	**III**	**07 04 08 55.5**±.58	**34.98N**±.042	**139.15E**±.055	**6**±6.6		**21**	**0-2**
JMA	III	07 04 08 55.9±.1	34.98N±.01	139.16E±.01	0±2	2.9		**¶97iii1436**
ISC	**III**	**07 04 26 07.1**±.52	**34.96N**±.041	**139.16E**±.050	**10**±5.6		**21**	**0-2**
JMA	III	07 04 26 07.5±.1	34.96N±.00	139.16E±.01	3±1	2.9		**¶97iii1439**
ISC	**III**	**07 04 42 39.6**±.64	**34.97N**±.048	**139.18E**±.055	**9**±6.1		**22**	**0-2**
JMA	III	07 04 42 40.0±.1	34.97N±.00	139.18E±.01	4±1	2.9		**¶97iii1442**
ISC	**III**	**07 04 57 32.0**±.99	**34.86N**±.074	**139.23E**±.079	**9**±9.8		**9**	**0-2**
JMA	III	07 04 57 32.5±.1	34.86N±.01	139.23E±.01	6±2	2.8		**¶97iii1443**
ISC	**III**	**07 05 00 53.2**±.63	**34.96N**±.050	**139.16E**±.055	**9**±6.1		**23**	**0-2**
JMA	III	07 05 00 53.7±.1	34.96N±.01	139.15E±.01	2±2	3.0		**¶97iii1445**
ISC	**III**	**07 05 01 53.3**±.47	**34.96N**±.029	**139.19E**±.031	**9**±4.3	**3.5b**	**62**	**0-66**
NEIC	III	07 05 01 50.4	34.81N	139.42E	10			**¶97iii1446**
EIDC	III	07 05 01 50.8	34.9N	139.4E	0	3.4b,3.6L		
JMA	III	07 05 01 53.6±.0	34.97N±.00	139.16E±.01	1±1	3.4		
NEIC	Poor solution.							
ISC	**III**	**07 05 10 13.5**±.48	**34.96N**±.030	**139.20E**±.031	**8**±4.7		**53**	**0-5**
JMA	III	07 05 10 13.9±.1	34.97N±.01	139.15E±.01	1±2	3.4		**¶97iii1447**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**07 05 23 18.4**±.53	**34.96N**±.039	**139.18E**±.047	**9**±5.7		**28**	**0-2**
JMA	III	07 05 23 18.7±.1	34.97N±.01	139.17E±.01	3±2	2.9	**¶97iii1448**	
ISC	**III**	**07 05 48 42.9**±.50	**34.97N**±.037	**139.17E**±.041	**8**±5.3		**37**	**0-3**
JMA	III	07 05 48 43.3±.0	34.97N±.00	139.15E±.01	2±1	3.2	**¶97iii1450**	
ISC	**III**	**07 06 04 24.6**±.53	**34.97N**±.043	**139.17E**±.044	**9**±5.5		**24**	**0-2**
JMA	III	07 06 04 24.9±.1	34.97N±.01	139.16E±.01	3±2	2.9	**¶97iii1451**	
ISC	**III**	**07 06 47 17**±1.1	**34.97N**±.073	**139.1E**±.13	**12**±9.3		**7**	**0-2**
JMA	III	07 06 47 17.9±.0	34.97N±.00	139.15E±.00	6±1	2.8	**¶97iii1454**	
ISC	**III**	**07 07 14 10.0**±.53	**34.97N**±.037	**139.18E**±.045	**8**±5.7		**35**	**0-2**
JMA	III	07 07 14 10.5±.1	34.97N±.01	139.16E±.01	1±2	2.9	**¶97iii1456**	
ISC	**III**	**07 07 33 21.4**±.44	**34.95N**±.021	**139.17E**±.022	**12**±3.1	**4.4b,4.5s**	**210**	**0-149**
EIDC	III	07 07 33 19.3	34.9N	139.3E	0	4.1b,4.3s	**¶97iii1458**	
BJI	III	07 07 33 19.5	34.88N	139.56E	22	4.7b,4.8s		
NEIC	III	07 07 33 19.9	34.82N	139.10E	10	4.6b		
JMA	III	07 07 33 21.9±.1	34.96N±.01	139.15E±.01	1±1	4.5		
MOS	III	07 07 33 23.0	34.8N	139.3E	33	4.7b		
JMA	Felt I=VI J1							
ISC	**III**	**07 07 36 26.2**±.56	**34.96N**±.038	**139.11E**±.060	**7**±6.9		**28**	**0-2**
JMA	III	07 07 36 26.7±.1	34.97N±.01	139.11E±.01	0	3.2	**¶97iii1459**	
ISC	**III**	**07 07 46 15.0**±.62	**34.97N**±.047	**139.17E**±.054	**8**±6.1		**31**	**0-2**
JMA	III	07 07 46 15.5±.1	34.98N±.01	139.16E±.01	1±2	2.8	**¶97iii1462**	
ISC	**III**	**07 07 56 25.4**±.49	**34.97N**±.038	**139.19E**±.041	**9**±5.3		**37**	**0-2**
JMA	III	07 07 56 25.7±.1	34.97N±.01	139.17E±.01	3±1	3.0	**¶97iii1467**	
ISC	**III**	**07 08 05 34**±1.3	**34.97N**±.073	**139.1E**±.13	**10**±13		**7**	**0-1**
JMA	III	07 08 05 34.5±.0	34.97N±.00	139.15E±.00	5±1	3.0	**¶97iii1468**	
ISC	**III**	**07 08 14 56.8**±.48	**34.96N**±.035	**139.17E**±.038	**9**±4.8		**41**	**0-3**
JMA	III	07 08 14 57.2±.1	34.97N±.01	139.15E±.01	3±2	3.4	**¶97iii1471**	
ISC	**III**	**07 08 18 33.1**±.54	**34.97N**±.045	**139.16E**±.051	**10**±6.1		**20**	**0-2**
JMA	III	07 08 18 33.5±.1	34.97N±.01	139.15E±.01	2±2	2.9	**¶97iii1475**	
ISC	**III**	**07 08 30 05.4**±.51	**34.96N**±.034	**139.16E**±.038	**5**±5.3		**33**	**0-3**
JMA	III	07 08 30 05.8±.1	34.96N±.01	139.14E±.01	3±2	3.2	**¶97iii1477**	
ISC	**III**	**07 09 34 32.1**±.49	**34.97N**±.034	**139.18E**±.036	**8**±4.9		**39**	**0-3**
JMA	III	07 09 34 32.4±.1	34.97N±.01	139.16E±.01	2±2	3.3	**¶97iii1489**	
ISC	**III**	**07 10 12 12.1**±.50	**34.96N**±.037	**139.16E**±.044	**8**±5.5		**36**	**0-2**
JMA	III	07 10 12 12.5±.1	34.97N±.00	139.15E±.01	1±1	3.0	**¶97iii1498**	
ISC	**III**	**07 11 27 23.7**±.68	**34.98N**±.054	**139.13E**±.070	**9**±6.8		**17**	**0-2**
JMA	III	07 11 27 24.0±.1	34.97N±.01	139.15E±.01	3±2	2.8	**¶97iii1507**	
ISC	**III**	**07 12 23 42**±1.2	**34.8N**±.11	**139.21E**±.091	**11**±14		**6**	**0-1**
JMA	III	07 12 23 42.8±.1	34.85N±.01	139.21E±.01	7±4	3.0	**¶97iii1512**	
ISC	**III**	**07 12 35 50.4**±.71	**34.98N**±.071	**139.20E**±.078	**27**±6.6	**4.1b,4.1s**	**46**	**0-93**
NEIC	III	07 12 35 44.6	34.76N	139.15E	10	4.3b	**¶97iii1513**	
BJI	III	07 12 35 46.3	35.01N	139.69E	14	4.6b,4.3s		
EIDC	III	07 12 35 46.9	34.9N	139.3E	13	4.0b,4.1s		
MOS	III	07 12 35 50.4	34.5N	139.0E	57	4.7b		
JMA	III	07 12 35 51.3±.2	34.96N±.01	139.17E±.02	3±5	4.3		
JMA	Felt I=IV J1							
ISC	**III**	**07 12 38 17.8**±.84	**34.97N**±.062	**139.14E**±.080	**10**±8.9		**11**	**0-1**
JMA	III	07 12 38 18.2±.1	34.96N±.01	139.16E±.01	4±2	3.4	**¶97iii1514**	
ISC	**III**	**07 12 39 03**±1.1	**34.97N**±.075	**139.1E**±.13	**4**		**7**	**0-1**
JMA	III	07 12 39 03.1±.0	34.97N±.00	139.16E±.01	4±1	2.8	**¶97iii1515**	
ISC	**III**	**07 12 59 10.7**±.52	**34.98N**±.039	**139.16E**±.045	**7**±5.9		**24**	**0-2**
JMA	III	07 12 59 11.2±.1	34.97N±.01	139.15E±.01	2±2	2.8	**¶97iii1517**	
ISC	**III**	**07 13 16 45.4**±.50	**34.96N**±.034	**139.18E**±.038	**6**±5.3		**35**	**0-2**
JMA	III	07 13 16 45.8±.1	34.96N±.01	139.17E±.01	1±2	3.2	**¶97iii1519**	
ISC	**III**	**07 13 18 09.0**±.81	**34.97N**±.055	**139.12E**±.073	**3**±14		**9**	**0-2**
JMA	III	07 13 18 09.1±.1	34.96N±.01	139.14E±.01	4±1	2.8	**¶97iii1520**	
ISC	**III**	**07 13 36 55**±2.0	**34.97N**±.091	**139.1E**±.20	**10**±7.7		**16**	**0-2**
JMA	III	07 13 36 55.5±.1	34.97N±.00	139.18E±.01	4±1	2.9	**¶97iii1525**	
ISC	**III**	**07 14 10 54.3**±.49	**34.96N**±.035	**139.16E**±.040	**8**±5.2		**32**	**0-2**
JMA	III	07 14 10 54.6±.1	34.97N±.01	139.15E±.01	3±2	3.2	**¶97iii1531**	
ISC	**III**	**07 14 11 14**±1.4	**34.99N**±.085	**139.1E**±.20	**5**		**6**	**0-1**
JMA	III	07 14 11 13.2±.0	34.96N±.00	139.16E±.00	5±1	2.9	**¶97iii1532**	
ISC	Poorly determined							
ISC	**III**	**07 14 55 31.7**±.65	**34.96N**±.056	**139.14E**±.063	**11**±6.4		**17**	**0-2**
JMA	III	07 14 55 32.3±.1	34.97N±.00	139.15E±.01	3±1	2.9	**¶97iii1535**	
ISC	**III**	**07 15 01 42.0**±.46	**34.96N**±.026	**139.17E**±.028	**10**±4.0	**3.8b**	**76**	**0-84**
NEIC	III	07 15 01 39.2	34.78N	139.30E	10		**¶97iii1537**	
EIDC	III	07 15 01 39.7	34.9N	139.2E	0	3.7b,3.3L		
JMA	III	07 15 01 42.4±.1	34.97N±.01	139.16E±.01	2±2	3.5		
NEIC	Less reliable solution.							
ISC	**III**	**07 15 04 10.7**±.60	**34.97N**±.054	**139.14E**±.054	**10**±6.4		**16**	**0-2**
JMA	III	07 15 04 11.1±.1	34.97N±.01	139.13E±.01	4±1	2.9	**¶97iii1538**	
ISC	**III**	**07 15 04 33.1**±.91	**34.97N**±.063	**139.12E**±.085	**9**±10		**8**	**0-1**
JMA	III	07 15 04 33.3±.1	34.97N±.01	139.14E±.01	4±2	2.9	**¶97iii1539**	
ISC	**III**	**07 15 29 44.5**±.48	**34.97N**±.036	**139.17E**±.038	**9**±5.1		**30**	**0-2**
JMA	III	07 15 29 44.8±.1	34.97N±.01	139.15E±.01	3±2	3.1	**¶97iii1542**	
ISC	**III**	**07 16 29 17.9**±.49	**34.96N**±.032	**139.18E**±.036	**7**±5.1		**40**	**0-3**
JMA	III	07 16 29 18.2±.1	34.97N±.01	139.16E±.01	3±2	3.1	**¶97iii1547**	
ISC	**III**	**07 16 53 00.0**±.50	**34.98N**±.037	**139.16E**±.041	**7**±5.5		**32**	**0-2**
JMA	III	07 16 53 00.4±.0	34.98N±.00	139.15E±.01	2±1	2.8	**¶97iii1552**	
ISC	**III**	**07 16 58 46.6**±.48	**34.98N**±.030	**139.17E**±.033	**6**±4.8		**56**	**0-3**
JMA	III	07 16 58 47.0±.1	34.98N±.01	139.14E±.01	1±2	3.1	**¶97iii1553**	
ISC	**III**	**07 17 33 08.0**±.48	**34.97N**±.035	**139.17E**±.037	**8**±5.1		**33**	**0-2**
JMA	III	07 17 33 08.4±.1	34.97N±.01	139.16E±.01	2±2	3.0	**¶97iii1559**	
ISC	**III**	**07 18 21 19.9**±.51	**34.94N**±.039	**139.17E**±.048	**10**±6.0		**21**	**0-2**
JMA	III	07 18 21 20.3±.1	34.94N±.01	139.16E±.01	2±2	2.9	**¶97iii1569**	
ISC	**III**	**07 18 51 22.7**±.49	**34.98N**±.032	**139.17E**±.038	**6**±5.0		**38**	**0-3**
JMA	III	07 18 51 23.0±.1	34.98N±.01	139.16E±.01	2±2	3.2	**¶97iii1575**	
ISC	**III**	**07 18 58 16.9**±.49	**34.96N**±.037	**139.15E**±.042	**8**±5.4		**27**	**0-2**
JMA	III	07 18 58 17.4±.1	34.97N±.01	139.14E±.01	2±2	2.8	**¶97iii1578**	
ISC	**III**	**07 19 28 17.3**±.50	**34.97N**±.040	**139.15E**±.043	**7**±5.8		**24**	**0-2**
JMA	III	07 19 28 17.7±.1	34.97N±.01	139.15E±.01	2±2	2.8	**¶97iii1583**	
ISC	**III**	**07 19 33 39.6**±.49	**34.96N**±.037	**139.15E**±.043	**9**±5.3		**27**	**0-2**
JMA	III	07 19 33 40.0±.1	34.97N±.01	139.15E±.01	3±2	3.0	**¶97iii1585**	
ISC	**III**	**07 19 37 21.6**±.48	**34.97N**±.034	**139.16E**±.039	**8**±5.0		**35**	**0-2**
JMA	III	07 19 37 21.9±.1	34.97N±.01	139.16E±.01	4±2	3.0	**¶97iii1587**	
ISC	**III**	**07 19 38 18.4**±.50	**34.97N**±.035	**139.17E**±.041	**7**±5.6		**31**	**0-2**
JMA	III	07 19 38 19.0±.1	34.98N±.01	139.16E±.01	2±2	2.9	**¶97iii1589**	
ISC	**III**	**07 19 58 06.6**±.50	**34.97N**±.036	**139.15E**±.041	**8**±5.4		**32**	**0-2**
JMA	III	07 19 58 07.1±.1	34.97N±.01	139.14E±.01	2±1	3.0	**¶97iii1592**	
ISC	**III**	**07 20 11 56.7**±.51	**34.97N**±.042	**139.15E**±.048	**9**±5.9		**22**	**0-2**
JMA	III	07 20 11 57.2±.1	34.97N±.01	139.15E±.01	3±2	2.8	**¶97iii1595**	
ISC	**III**	**07 20 18 27.2**±.64	**34.97N**±.045	**139.16E**±.058	**8**±6.0		**23**	**0-2**
JMA	III	07 20 18 27.6±.1	34.98N±.01	139.15E±.01	3±1	2.8	**¶97iii1597**	
ISC	**III**	**07 20 22 10.1**±.47	**34.97N**±.032	**139.17E**±.033	**9**±4.6		**44**	**0-4**
JMA	III	07 20 22 10.5±.1	34.97N±.01	139.16E±.01	3±2	3.2	**¶97iii1598**	
ISC	**III**	**07 20 26 11.2**±.48	**34.97N**±.036	**139.16E**±.042	**9**±5.3		**30**	**0-2**
JMA	III	07 20 26 11.6±.1	34.97N±.01	139.15E±.01	2±2	3.0	**¶97iii1600**	
ISC	**III**	**07 20 48 43.2**±.49	**34.96N**±.037	**139.16E**±.043	**9**±5.4		**27**	**0-2**
JMA	III	07 20 48 43.6±.1	34.97N±.01	139.15E±.01	2±2	2.8	**¶97iii1604**	
ISC	**III**	**07 21 32 51.4**±.53	**34.96N**±.039	**139.17E**±.052	**10**±5.6		**21**	**0-2**
JMA	III	07 21 32 51.8±.1	34.97N±.01	139.16E±.01	4±2	2.9	**¶97iii1607**	
ISC	**III**	**07 21 36 31.6**±.49	**34.96N**±.038	**139.16E**±.043	**9**±5.3		**24**	**0-2**
JMA	III	07 21 36 32.0±.1	34.97N±.01	139.15E±.01	3±2	3.1	**¶97iii1608**	
ISC	**III**	**07 21 39 41.8**±.70	**34.97N**±.055	**139.13E**±.072	**9**±6.9		**15**	**0-2**
JMA	III	07 21 39 42.1±.1	34.97N±.01	139.14E±.01	4±2	2.8	**¶97iii1609**	
ISC	**III**	**07 21 58 00.6**±.51	**34.97N**±.039	**139.16E**±.048	**10**±5.5		**23**	**0-2**
JMA	III	07 21 58 01.0±.1	34.97N±.01	139.15E±.01	4±2	3.1	**¶97iii1613**	
ISC	**III**	**07 22 00 39.5**±.50	**34.97N**±.042	**139.16E**±.048	**9**±5.7		**24**	**0-2**
JMA	III	07 22 00 39.9±.1	34.97N±.01	139.15E±.01	3±2	2.9	**¶97iii1615**	
ISC	**III**	**08 01 26 04.9**±.50	**34.98N**±.039	**139.15E**±.042	**7**±5.7		**24**	**0-2**
JMA	III	08 01 26 05.3±.1	34.98N±.01	139.15E±.01	2±2	3.1	**¶97iii1635**	
ISC	**III**	**08 02 08 12.2**±.56	**34.98N**±.048	**139.13E**±.051	**9**±6.3		**19**	**0-2**
JMA	III	08 02 08 12.5±.1	34.99N±.01	139.13E±.01	3±2	2.8	**¶97iii1638**	
ISC	**III**	**08 02 10 48.0**±.48	**34.96N**±.034	**139.17E**±.039	**8**±5.1		**30**	**0-2**
JMA	III	08 02 10 48.3±.1	34.97N±.01	139.17E±.01	5±1	3.1	**¶97iii1639**	
ISC	**III**	**08 02 22 19**±1.2	**34.97N**±.070	**139.2E**±.12	**10**±11		**7**	**0-1**
JMA	III	08 02 22 19.3±.0	34.97N±.00	139.17E±.00	5±1	2.8	**¶97iii1645**	
ISC	**III**	**08 02 24 12.3**±.56	**34.96N**±.037	**139.19E**±.043	**3**±7.2		**24**	**0-2**
JMA	III	08 02 24 12.6±.1	34.98N±.00	139.20E±.01	4±1	2.9	**¶97iii1646**	
ISC	**III**	**08 02 26 31.8**±.50	**34.95N**±.039	**139.17E**±.042	**8**±5.3	3.5b	**24**	**0-67**
JMA	III	08 02 26 32.0±.0	34.97N±.00	139.18E±.01	6±1	2.9	**¶97iii1647**	
ISC	**III**	**08 02 32 34.8**±.50	**34.97N**±.038	**139.18E**±.040	**8**±5.3		**29**	**0-3**
JMA	III	08 02 32 35.1±.1	34.97N±.01	139.17E±.01	4±2	3.1	**¶97iii1648**	
ISC	**III**	**08 02 41 51.3**±.49	**34.95N**±.041	**139.16E**±.045	**10**±5.4		**23**	**0-2**
JMA	III	08 02 41 51.7±.1	34.96N±.01	139.15E±.01	4±2	2.9	**¶97iii1650**	
ISC	**III**	**08 02 46 53.3**±.59	**34.95N**±.044	**139.16E**±.056	**11**±7.0		**16**	**0-2**
JMA	III	08 02 46 53.7±.0	34.96N±.00	139.15E±.01	7±2	3.1	**¶97iii1652**	
ISC	**III**	**08 02 47 48.1**±.64	**34.96N**±.055	**139.17E**±.058	**10**±6.3		**15**	**0-2**
JMA	III	08 02 47 48.5±.1	34.97N±.01	139.16E±.01	4±1	3.0	**¶97iii1653**	
ISC	**III**	**08 02 57 05.2**±.88	**34.95N**±.064	**139.13E**±.083	**8**±9.5		**9**	**0-2**
JMA	III	08 02 57 05.5±.1	34.95N±.00	139.16E±.01	2±1	2.8	**¶97iii1654**	
ISC	**III**	**08 03 08 21.0**±.51	**34.96N**±.037	**139.16E**±.048	**10**±5.2		**33**	**0-2**
JMA	III	08 03 08 21.3±.0	34.96N±.00	139.16E±.01	4±1	3.1	**¶97iii1655**	
ISC	**III**	**08 03 10 53.5**±.83	**34.96N**±.062	**139.13E**±.082	**9**±8.6		**9**	**0-2**
JMA	III	08 03 10 53.7±.1	34.96N±.01	139.16E±.01	4±2	2.8	**¶97iii1656**	
ISC	**III**	**08 03 18 42.2**±.46	**34.96N**±.028	**139.17E**±.029	**8**±4.2	**3.7b**	**67**	**0-52**
JMA	III	08 03 18 42.7±.1	34.97N±.01	139.15E±.01	2±2	3.6	**¶97iii1658**	
EIDC	III	08 03 18 42.9	35.1N	139.2E	0	3.7b		
ISC	**III**	**08 03 45 58.6**±.49	**34.96N**±.037	**139.18E**±.041	**9**±5.2		**35**	**0-2**
JMA	III	08 03 45 58.9±.1	34.96N±.01	139.17E±.01	3±2	3.0	**¶97iii1660**	
ISC	**III**	**08 03 55 43.4**±.65	**34.97N**±.044	**139.17E**±.045	**4**±7.0		**27**	**0-2**
JMA	III	08 03 55 43.9±.1	34.98N±.01	139.16E±.01	3±2	2.8	**¶97iii1661**	
ISC	**III**	**08 04 09 17.3**±.50	**34.95N**±.036	**139.18E**±.041	**8**±5.4		**28**	**0-2**
JMA	III	08 04 09 17.7±.1	34.97N±.01	139.17E±.01	3±1	3.0	**¶97iii1663**	
ISC	**III**	**08 04 30 07.9**±.49	**34.96N**±.037	**139.16E**±.040	**8**±5.3		**27**	**0-2**
JMA	III	08 04 30 08.2±.1	34.97N±.01	139.17E±.01	3±2	3.0	**¶97iii1667**	
ISC	**III**	**08 04 41 48.0**±.51	**34.96N**±.043	**139.16E**±.043	**8**±5.7		**22**	**0-2**
JMA	III	08 04 41 48.4±.1	34.97N±.01	139.16E±.01	3±2	2.9	**¶97iii1668**	
ISC	**III**	**08 05 24 58.6**±.54	**34.97N**±.043	**139.14E**±.052	**10**±5.6		**23**	**0-2**
JMA	III	08 05 24 59.1±.1	34.99N±.01	139.14E±.01	2±2	3.1	**¶97iii1674**	
ISC	**III**	**08 05 30 42.8**±.94	**34.96N**±.075	**139.13E**±.087	**8**±8.9		**9**	**0-2**
JMA	III	08 05 30 42.9±.1	34.96N±.01	139.15E±.01	4±2	2.9	**¶97iii1676**	
ISC	**III**	**08 05 38 45.1**±.49	**34.97N**±.038	**139.14E**±.048	**9**±5.4		**32**	**0-2**
JMA	III	08 05 38 45.5±.1	34.97N±.01	139.11E±.01	1±2	2.9	**¶97iii1677**	
ISC	**III**	**08 06 09 21.2**±.50	**34.97N**±.040	**139.16E**±.041	**9**±5.4		**27**	**0-67**
JMA	III	08 06 09 21.6±.1	34.97N±.01	139.16E±.01	3±2	3.0	**¶97iii1681**	
ISC	**III**	**08 06 36 45.4**±.51	**34.97N**±.039	**139.17E**±.041	**6**±5.7		**27**	**0-2**
JMA	III	08 06 36 45.9±.1	34.97N±.00	139.16E±.01	3±1	3.0	**¶97iii1686**	
ISC	**III**	**08 06 49 36.2**±.60	**34.98N**±.047	**139.14E**±.053	**5**±7.0		**17**	**0-2**
JMA	III	08 06 49 36.5±.1	34.97N±.01	139.16E±.01	3±2	3.1	**¶97iii1688**	
ISC	**III**	**08 06 49 47.9**±.77	**34.99N**±.049	**139.12E**±.073	**3**		**16**	**0-2**
JMA	III	08 06 49 47.8±.1	34.97N±.00	139.15E±.01	3±1	3.0	**¶97iii1689**	
ISC	**III**	**08 07 01 23.2**±.55	**34.96N**±.047	**139.15E**±.053	**10**±6.6		**20**	**0-2**
JMA	III	08 07 01 23.6±.1	34.96N±.01	139.15E±.01	1±2	3.0	**¶97iii1690**	
ISC	**III**	**08 07 12 34.1**±.64	**34.96N**±.055	**139.16E**±.059	**10**±6.4		**15**	**0-2**
JMA	III	08 07 12 34.5±.1	34.97N±.01	139.16E±.01	2±1	2.8	**¶97iii1692**	
ISC	**III**	**08 07 44 07.4**±.52	**34.98N**±.035	**139.16E**±.038	**4**±5.8		**31**	**0-2**
JMA	III	08 07 44 07.7±.1	34.97N±.01	139.15E±.01	1±2	3.0	**¶97iii1701**	
ISC	**III**	**08 07 48 10.0**±.49	**34.97N**±.035	**139.17E**±.039	**7**±5.3		**28**	**0-2**
JMA	III	08 07 48 10.4±.1	34.97N±.01	139.16E±.01	3±2	3.0	**¶97iii1702**	
ISC	**III**	**08 07 48 27**±1.3	**34.97N**±.085	**139.2E**±.14	**3**		**21**	**0-2**
JMA	III	08 07 48 26.7±.0	34.98N±.00	139.17E±.01	3±1	3.0	**¶97iii1703**	
ISC	Poorly determined							
ISC	**III**	**08 07 49 04.2**±.89	**34.97N**±.062	**139.12E**±.076	**1**±18		**16**	**0-2**
JMA	III	08 07 49 04.3±.1	34.97N±.01	139.15E±.01	2±1	2.8	**¶97iii1704**	
ISC	**III**	**08 12 39 43.3**±.51	**34.97N**±.037	**139.17E**±.040	**6**±5.5		**32**	**0-2**
JMA	III	08 12 39 43.8±.1	34.97N±.01	139.16E±.01	1±2	3.0	**¶97iii1748**	
ISC	**III**	**08 13 21 22.4**±.58	**34.96N**±.051	**139.15E**±.051	**10**±6.0		**22**	**0-2**
JMA	III	08 13 21 22.8±.1	34.97N±.01	139.15E±.01	3±1	2.8	**¶97iii1755**	
ISC	**III**	**08 13 35 00.6**±.55	**34.98N**±.045	**139.16E**±.048	**9**±5.9		**25**	**0-2**
JMA	III	08 13 35 01.0±.1	34.97N±.01	139.15E±.01	3±1	2.8	**¶97iii1757**	
ISC	**III**	**08 13 46 05.9**±.47	**34.95N**±.030	**139.18E**±.032	**10**±4.4		**56**	**0-5**
JMA	III	08 13 46 06.4±.1	34.96N±.00	139.16E±.01	1±1	3.3	**¶97iii1758**	
ISC	**III**	**08 13 49 25.0**±.47	**34.96N**±.034	**139.18E**±.037	**9**±4.7		**41**	**0-3**
JMA	III	08 13 49 25.5±.1	34.97N±.01	139.15E±.01	4±2	3.3	**¶97iii1760**	
ISC	**III**	**08 14 04 10.4**±.58	**34.96N**±.051	**139.16E**±.050	**10**±6.0		**23**	**0-2**
JMA	III	08 14 04 10.8±.1	34.97N±.01	139.15E±.01	4±1	2.8	**¶97iii1762**	
ISC	**III**	**08 14 53 21.3**±.48	**34.96N**±.024	**139.18E**±.026	**12**±3.8	**3.9b**	**99**	**0-84**
NEIC	III	08 14 53 19.1	34.84N	139.18E	10	3.6b	**¶97iii1770**	
EIDC	III	08 14 53 19.1	34.9N	139.3E	0	3.9b,3.6L		
JMA	III	08 14 53 21.7±.0	34.96N±.01	139.16E±.01	3±1	4.0		
NEIC	Less reliable solution.							
JMA	Felt I=IV J1							
ISC	**III**	**08 14 59 38**±1.0	**34.98N**±.063	**139.13E**±.097	**0**		**14**	**0-2**
JMA	III	08 14 59 37.5±.1	34.96N±.01	139.15E±.01	0	3.4	**¶97iii1773**	
ISC	**III**	**08 15 01 15.5**±.48	**34.94N**±.033	**139.17E**±.036	**8**±4.9		**39**	**0-3**
JMA	III	08 15 01 15.9±.1	34.95N±.01	139.16E±.01	1±2	3.2	**¶97iii1774**	
ISC	**III**	**08 15 26 07.7**±.50	**34.96N**±.039	**139.17E**±.041	**7**±5.6		**36**	**0-2**
JMA	III	08 15 26 08.1±.1	34.97N±.01	139.16E±.01	2±2	3.0	**¶97iii1783**	
ISC	**III**	**08 16 11 25.5**±.47	**34.96N**±.032	**139.18E**±.033	**9**±4.5		**45**	**0-3**
JMA	III	08 16 11 25.9±.0	34.96N±.01	139.16E±.01	3±2	3.2	**¶97iii1789**	
ISC	**III**	**08 16 43 22.4**±.48	**34.96N**±.035	**139.17E**±.039	**9**±5.1		**33**	**0-2**
JMA	III	08 16 43 22.7±.0	34.96N±.01	139.16E±.01	2±1	3.1	**¶97iii1793**	
ISC	**III**	**08 16 53 55.4**±.68	**34.40N**±.047	**139.27E**±.049	**8**±5.3		**29**	**0-2**
JMA	III	08 16 53 56.2±.1	34.42N±.01	139.29E±.01	3±3	2.9	**¶97iii1795**	
ISC	**III**	**08 18 57 41**±3.7	**34.2N**±.24	**137.9E**±.25	**315**±31		**27**	**0-6**
JMA	III	08 18 57 43.1±.5	34.32N±.03	137.91E±.04	298±5		**¶97iii1816**	

ISC	**III**	**08 20 45 10.8**±.51	**34.88N**±.035	**139.20E**±.039	**8**±5.3		**32**	**0-2**	
JMA	III	08 20 45 11.1±.1	34.88N±.01	139.18E±.01	2±2	3.0			**¶97iii1828**
ISC	**III**	**09 02 27 29.0**±.49	**34.93N**±.030	**139.19E**±.032	**7**±4.7		**53**	**0-3**	
JMA	III	09 02 27 29.2±.1	34.96N±.01	139.16E±.01	0	3.3			**¶97iii1892**
ISC	**III**	**09 06 13 53.4**±.53	**34.85N**±.036	**139.23E**±.045	**8**±5.5		**38**	**0-2**	
JMA	III	09 06 13 53.8±.1	34.86N±.00	139.22E±.01	2±2	3.1			**¶97iii1919**
ISC	**III**	**09 12 01 42**±8.3	**35.8N**±.73	**139.4E**±.23	**49**		**7**	**1-2**	
JMA	III	09 12 01 41.1±.6	35.82N±.04	139.43E±.02	49	3.0			**¶97iii1951**
ISC	**III**	**09 15 06 26.2**±.46	**34.97N**±.029	**139.18E**±.030	**10**±4.4		**59**	**0-5**	
JMA	III	09 15 06 26.6±.0	34.96N±.01	139.15E±.01	4±1	3.5			**¶97iii1993**
ISC	**III**	**09 15 08 58.2**±.46	**34.97N**±.031	**139.19E**±.034	**10**±4.5		**49**	**0-5**	
JMA	III	09 15 08 58.6±.1	34.96N±.01	139.15E±.01	3±2	3.7			**¶97iii1994**
ISC	**III**	**09 15 09 42.0**±.49	**34.96N**±.030	**139.18E**±.033	**8**±4.6		**67**	**0-5**	
JMA	III	09 15 09 42.4±.0	34.97N±.01	139.15E±.01	3±1	3.5			**¶97iii1995**
ISC	**III**	**09 15 13 38.3**±.46	**34.97N**±.026	**139.19E**±.028	**9**±4.1	**3.5b**	**73**	**0-55**	
EIDC	III	09 15 13 37.9	35.1N	139.1E	0	3.5b,2.5L			**¶97iii1996**
JMA	III	09 15 13 38.7±.0	34.97N±.01	139.15E±.01	3±1	3.5			
ISC	**III**	**09 15 15 07.4**±.62	**34.96N**±.045	**139.13E**±.073	**11**±6.5		**27**	**0-2**	
JMA	III	09 15 15 07.7±.1	34.96N±.01	139.14E±.01	6±1	3.6			**¶97iii1997**
ISC	**III**	**09 15 17 46.1**±.53	**34.95N**±.041	**139.15E**±.056	**10**±5.6		**31**	**0-2**	
JMA	III	09 15 17 46.5±.1	34.97N±.01	139.15E±.01	3±2	3.0			**¶97iii2001**
ISC	**III**	**09 15 18 43.2**±.83	**34.96N**±.057	**139.11E**±.079	**7**±9.4		**9**	**0-2**	
JMA	III	09 15 18 43.3±.1	34.96N±.01	139.14E±.01	5±1	3.1			**¶97iii2002**
ISC	**III**	**09 15 20 21.2**±.54	**34.96N**±.038	**139.17E**±.051	**8**±5.7		**33**	**0-2**	
JMA	III	09 15 20 21.6±.1	34.97N±.01	139.15E±.01	3±1	3.0			**¶97iii2003**
ISC	**III**	**09 15 20 38**±1.1	**34.96N**±.069	**139.12E**±.090	**10**±12		**23**	**0-2**	
JMA	III	09 15 20 38.2±.1	34.97N±.01	139.15E±.01	3±2	2.8			**¶97iii2005**
ISC	**III**	**09 15 24 02.3**±.52	**34.95N**±.040	**139.15E**±.054	**11**±5.6		**25**	**0-2**	
JMA	III	09 15 24 02.7±.0	34.96N±.00	139.15E±.01	5±1	3.0			**¶97iii2008**
ISC	**III**	**09 15 28 37.0**±.49	**34.97N**±.037	**139.16E**±.042	**8**±5.3		**28**	**0-2**	
JMA	III	09 15 28 37.4±.1	34.97N±.01	139.16E±.01	3±2	3.0			**¶97iii2009**
ISC	**III**	**09 15 30 14.1**±.51	**34.98N**±.038	**139.14E**±.044	**6**±5.7		**27**	**0-2**	
JMA	III	09 15 30 14.5±.1	34.98N±.01	139.14E±.01	2±2	3.1			**¶97iii2010**
ISC	**III**	**09 15 32 37.2**±.49	**34.96N**±.027	**139.20E**±.030	**11**±4.2	**3.5b**	**71**	**0-59**	
EIDC	III	09 15 32 35.6	34.9N	139.0E	0	3.5b,3.7L			**¶97iii2011**
JMA	III	09 15 32 37.7±.0	34.96N±.01	139.14E±.01	3±1	3.5			
ISC	**III**	**09 15 34 45.6**±.68	**34.99N**±.045	**139.14E**±.068	**6**±7.6		**19**	**0-2**	
JMA	III	09 15 34 45.7±.1	34.97N±.01	139.15E±.01	4±2	3.0			**¶97iii2012**
ISC	**III**	**09 15 47 00.1**±.47	**34.98N**±.026	**139.17E**±.028	**11**±4.1	**3.5b**	**77**	**0-66**	
NEIC	III	09 15 46 56.9	34.80N	139.27E	10				**¶97iii2013**
EIDC	III	09 15 46 57.6	34.9N	139.2E	0	3.4b,3.8L			
JMA	III	09 15 47 00.4±.0	34.97N±.01	139.15E±.01	3±1	3.5			
NEIC	Single network solution.								
ISC	**III**	**09 15 48 36.1**±.92	**34.96N**±.064	**139.12E**±.084	**9**±10		**8**	**0-1**	
JMA	III	09 15 48 36.4±.1	34.96N±.00	139.14E±.01	4±1	2.9			**¶97iii2014**
ISC	**III**	**09 16 08 00.6**±.51	**34.96N**±.039	**139.15E**±.050	**10**±5.4		**31**	**0-2**	
JMA	III	09 16 08 01.1±.1	34.96N±.01	139.15E±.01	4±1	2.8			**¶97iii2017**
ISC	**III**	**09 17 11 04.2**±.50	**34.97N**±.039	**139.14E**±.051	**9**±5.6		**32**	**0-2**	
JMA	III	09 17 11 04.6±.1	34.98N±.01	139.14E±.01	3±2	2.8			**¶97iii2026**
ISC	**III**	**09 18 28 25.8**±.38	**35.92N**±.025	**139.58E**±.039	**66**±9.3		**65**	**0-9**	
JMA	III	09 18 28 25.8±.1	35.94N±.01	139.57E±.01	64±2				**¶97iii2047**
ISC	**III**	**09 18 34 47.3**±.46	**34.97N**±.026	**139.20E**±.031	**10**±4.0	**3.4b**	**75**	**0-66**	
NEIC	III	09 18 34 45.2	34.90N	139.23E	10	3.1b			**¶97iii2049**
EIDC	III	09 18 34 45.8	35.0N	139.1E	0	3.4b,3.6L			
JMA	III	09 18 34 47.7±.1	34.97N±.01	139.14E±.01	0±1	3.4			
NEIC	Less reliable solution.								
ISC	**III**	**09 18 54 40.3**±.49	**34.97N**±.039	**139.17E**±.043	**9**±5.3		**37**	**0-3**	
JMA	III	09 18 54 40.7±.1	34.97N±.01	139.15E±.01	1±2	2.9			**¶97iii2060**
ISC	**III**	**09 19 00 50.1**±.49	**34.95N**±.038	**139.15E**±.043	**8**±5.3		**29**	**0-2**	
JMA	III	09 19 00 50.5±.1	34.97N±.01	139.15E±.01	4±1	2.8			**¶97iii2064**
ISC	**III**	**09 19 57 04.8**±.53	**34.96N**±.041	**139.15E**±.054	**11**±5.6		**26**	**0-2**	
JMA	III	09 19 57 05.3±.1	34.97N±.01	139.16E±.01	4±1	2.9			**¶97iii2075**
ISC	**III**	**10 00 30 06.9**±.48	**34.97N**±.035	**139.17E**±.039	**9**±4.9		**37**	**0-3**	
JMA	III	10 00 30 07.3±.1	34.97N±.01	139.16E±.01	2±2	3.2			**¶97iii2121**
ISC	**III**	**10 03 13 59**±1.1	**34.96N**±.062	**139.2E**±.11	**6**±11		**8**	**0-2**	
JMA	III	10 03 13 59.1±.1	34.96N±.00	139.19E±.01	8±1	2.9			**¶97iii2135**
ISC	**III**	**10 03 35 58.4**±.53	**34.96N**±.040	**139.15E**±.050	**11**±5.4		**19**	**0-2**	
JMA	III	10 03 35 58.8±.0	34.96N±.00	139.14E±.01	5±1	2.8			**¶97iii2139**
ISC	**III**	**10 05 45 32.1**±.65	**34.96N**±.047	**139.16E**±.069	**11**±6.3		**15**	**0-2**	
JMA	III	10 05 45 32.4±.1	34.96N±.00	139.17E±.01	8±1	2.8			**¶97iii2152**
ISC	**III**	**10 12 21 11.1**±.46	**34.93N**±.025	**139.18E**±.028	**11**±3.9	**3.5b**	**86**	**0-71**	
EIDC	III	10 12 21 10.5	35.1N	139.3E	0	3.5b,3.1L			**¶97iii2208**
NEIC	III	10 12 21 10.8	35.01N	139.16E	10	3.1b			
JMA	III	10 12 21 11.4±.1	34.94N±.01	139.16E±.01	0±2	3.8			
NEIC	Less reliable solution.								
JMA	**III**	**10 12 22 15.2**±.1	**34.94N**±.00	**139.18E**±.00	**2**±1	**3.0**			**¶97iii2209**
ISC	**III**	**10 13 01 33.2**±.49	**34.95N**±.034	**139.20E**±.040	**9**±5.1		**34**	**0-3**	
JMA	III	10 13 01 33.7±.1	34.96N±.01	139.18E±.01	5±2	3.0			**¶97iii2212**
ISC	**III**	**10 14 33 42.1**±.51	**34.90N**±.040	**139.21E**±.043	**9**±5.6		**28**	**0-2**	
JMA	III	10 14 33 42.6±.1	34.91N±.01	139.20E±.01	4±2	3.0			**¶97iii2231**
ISC	**III**	**10 16 30 07.4**±.52	**34.95N**±.034	**139.17E**±.041	**4**±5.5		**36**	**0-2**	
JMA	III	10 16 30 07.7±.1	34.95N±.01	139.18E±.01	1±2	3.0			**¶97iii2245**
ISC	**III**	**11 05 58 05.1**±.52	**34.86N**±.040	**139.19E**±.044	**10**±5.4		**24**	**0-2**	
JMA	III	11 05 58 05.6±.1	34.86N±.01	139.18E±.01	3±2	3.4			**¶97iii2316**
ISC	**III**	**11 11 35 00.7**±.57	**35.33N**±.049	**139.30E**±.064	**21**±8.6		**17**	**0-2**	
JMA	III	11 11 35 00.7±.1	35.34N±.01	139.30E±.01	25±1	3.1			**¶97iii2367**
ISC	**III**	**11 15 34 36.3**±.56	**34.97N**±.040	**139.16E**±.052	**7**±6.1		**20**	**0-2**	
JMA	III	11 15 34 36.7±.1	34.97N±.01	139.16E±.01	3±1	2.8			**¶97iii2404**
ISC	**III**	**12 10 05 48.9**±.75	**34.71N**±.057	**137.52E**±.048	**15**±7.9	3.2b	**26**	**0-67**	
JMA	III	12 10 05 48.8±.1	34.70N±.01	137.53E±.01	29±2	2.8			**¶97iii2510**
ISC	**III**	**12 11 30 22.7**±.44	**34.64N**±.038	**137.56E**±.037	**30**±5.4		**37**	**0-3**	
JMA	III	12 11 30 22.3±.1	34.67N±.01	137.54E±.01	38±2	3.3			**¶97iii2524**
ISC	**III**	**12 17 34 04**±1.2	**35.6N**±.11	**139.7E**±.19	**75**		**7**	**0-1**	
JMA	III	12 17 34 04.1±.4	35.62N±.02	139.74E±.03	75±4				**¶97iii2563**
ISC	**III**	**12 20 15 05.3**±.47	**34.97N**±.034	**139.14E**±.040	**9**±4.9		**33**	**0-2**	
JMA	III	12 20 15 05.7±.1	34.98N±.01	139.12E±.01	2±2	2.9			**¶97iii2582**
ISC	**III**	**13 04 25 49**±3.5	**33.4N**±.29	**137.3E**±.12	**31**		**19**	**0-3**	
JMA	III	13 04 25 50.5±.3	33.54N±.02	137.16E±.01	31	2.9			**¶97iii2645**
ISC	**III**	**13 11 44 26.7**±.39	**35.54N**±.030	**139.49E**±.042	**23**±6.0		**47**	**0-4**	
JMA	III	13 11 44 26.6±.1	35.57N±.01	139.45E±.01	29±2	3.1			**¶97iii2693**
ISC	**III**	**14 01 36 16.3**±.49	**34.97N**±.036	**139.13E**±.044	**7**±5.6		**24**	**0-2**	
JMA	III	14 01 36 16.7±.0	34.98N±.00	139.11E±.01	2±1	2.8			**¶97iii2792**
ISC	**III**	**14 04 02 30.3**±.48	**34.84N**±.029	**139.23E**±.029	**3**±4.7	3.4b	**63**	**0-67**	
NEIC	III	14 04 02 28.6	34.71N	139.38E	10				**¶97iii2809**
JMA	III	14 04 02 30.7±.1	34.85N±.01	139.22E±.01	0	3.4			
EIDC	III	14 04 02 30.9	35.0N	139.5E	0	3.2L,3.3b			
NEIC	Less reliable solution.								
ISC	**III**	**14 23 49 20**±2.2	**35.7N**±.25	**139.9E**±.31	**110**		**6**	**1-1**	
JMA	III	14 23 49 20.3±.4	35.71N±.02	139.85E±.02	110±3				**¶97iii2963**
ISC	**III**	**15 17 48 39.7**±.48	**34.96N**±.035	**139.23E**±.040	**10**±5.3		**27**	**0-2**	
JMA	III	15 17 48 40.1±.0	34.97N±.01	139.22E±.01	5±2	2.8			**¶97iii3083**
ISC	**III**	**16 02 47 09.6**±.48	**35.42N**±.064	**139.71E**±.096	**123**		**21**	**0-3**	
JMA	III	16 02 47 09.7±.2	35.41N±.01	139.67E±.02	123±2				**¶97iii3153**
ISC	**III**	**16 05 51 38.4**±.19	**34.88N**±.017	**137.50E**±.019	**46**±1.7	**5.6b,5.2s**	**650**	**0-165**	
JMA	III	16 05 51 37.0	34.85N	137.45E	36	5.7			**¶97iii3171**
NEIC	III	16 05 51 37.0	34.85N	137.45E	36	5.7b,5.1s			
MOS	III	16 05 51 37.3	35.0N	137.5E	33	6.0b,5.3s			
EIDC	III	16 05 51 38.8	34.7N	137.5E	46	4.8b,5.1s			
HRVD	III	16 05 51 41.0±.2	34.92N±.03	137.34E±.03	38				
JMA	At least 4 people injured at Toyohashi. Felt I=V J at Toyohashi, IV at Hikone, Mino kamo, Nagoya, Omi−Hachiman and Shimada. Also felt slightly at Tokyo								
JMA	Felt I=V J1								
NEIC	Mw5.6(HRV). Casualties I=VII MM.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c51; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.31±.05; $M_{\theta\theta}$0.83±.09; $M_{\phi\phi}$1.47±.08; $M_{r\theta}$2.04±.11; $M_{r\phi}$−0.40±.13; $M_{\theta\phi}$−1.59±.06. Principal Axes: T 3.27,Plg17°,Azm44°; N 0.06, Plg21°,Azm307°; P −3.34,Plg62°,Azm170°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S164°,δ33°,λ−49°. NP2:ϕ_S297°,δ65°,λ−113°.								
ISC	**III**	**16 05 53 37.0**±.79	**34.89N**±.093	**137.52E**±.086	**33**±8.8		**8**	**0-2**	
JMA	III	16 05 53 36.9±.1	34.90N±.01	137.51E±.01	36±2	4.3			**¶97iii3172**
ISC	**III**	**16 05 56 58.1**±.85	**34.96N**±.087	**137.52E**±.084	**30**±10		**12**	**0-2**	
JMA	III	16 05 56 58.0±.1	34.95N±.01	137.51E±.01	36±1	3.7			**¶97iii3173**
ISC	**III**	**16 05 58 41**±1.2	**34.9N**±.16	**137.6E**±.14	**34**		**6**	**0-1**	
JMA	III	16 05 58 41.2±.2	34.93N±.01	137.54E±.01	34±2	2.9			**¶97iii3174**
ISC	Poorly determined								
ISC	**III**	**16 06 11 53**±1.2	**34.9N**±.14	**137.5E**±.13	**31**		**5**	**0-1**	
JMA	III	16 06 11 53.3±.2	34.95N±.01	137.51E±.01	31±2	2.9			**¶97iii3176**
ISC	Poorly determined								
ISC	**III**	**16 06 14 36.8**±.75	**34.93N**±.089	**137.51E**±.078	**32**±8.4		**9**	**0-2**	
JMA	III	16 06 14 36.7±.1	34.93N±.01	137.51E±.01	36±2	2.9			**¶97iii3177**
ISC	**III**	**16 06 30 36.4**±.69	**34.93N**±.075	**137.51E**±.066	**33**±7.6		**12**	**0-2**	
JMA	III	16 06 30 36.5±.1	34.94N±.01	137.51E±.01	35±2	3.1			**¶97iii3182**
ISC	**III**	**16 06 36 55.0**±.56	**34.84N**±.036	**137.48E**±.031	**33**±6.5		**48**	**0-4**	
JMA	III	16 06 36 54.6±.0	34.90N±.01	137.53E±.01	40±1	3.8			**¶97iii3183**
ISC	**III**	**16 07 21 10.3**±.39	**34.88N**±.037	**137.50E**±.036	**38**±18		**40**	**0-3**	
JMA	III	16 07 21 09.9±.1	34.91N±.01	137.53E±.01	43±1	3.4			**¶97iii3189**
ISC	**III**	**16 08 23 12.6**±.49	**34.86N**±.040	**137.53E**±.040	**33**±5.9		**33**	**0-2**	
JMA	III	16 08 23 12.1±.0	34.90N±.01	137.52E±.01	40±1	3.1			**¶97iii3198**
ISC	**III**	**16 08 57 40.3**±.56	**34.88N**±.048	**137.51E**±.057	**34**±21		**22**	**0-2**	
JMA	III	16 08 57 40.1±.1	34.90N±.01	137.53E±.01	39±2	2.9			**¶97iii3200**
ISC	**III**	**16 11 32 36.3**±.55	**34.89N**±.043	**137.51E**±.043	**45**±17		**32**	**0-2**	
JMA	III	16 11 32 36.1±.1	34.92N±.01	137.53E±.01	46±2	2.9			**¶97iii3213**
ISC	**III**	**16 13 05 34.8**±.48	**34.88N**±.050	**137.54E**±.042	**32**±6.3		**28**	**0-2**	
JMA	III	16 13 05 34.4±.1	34.92N±.01	137.54E±.01	39±1	2.8			**¶97iii3225**
ISC	**III**	**16 13 53 58.9**±.42	**34.85N**±.041	**137.52E**±.040	**36**±19		**34**	**0-2**	
JMA	III	16 13 53 58.5±.1	34.89N±.01	137.53E±.01	40±2	3.0			**¶97iii3233**
ISC	**III**	**16 17 39 04.4**±.54	**34.94N**±.051	**137.45E**±.045	**37**±19		**25**	**0-2**	
JMA	III	16 17 39 04.1±.1	34.96N±.01	137.48E±.01	42±1	2.8			**¶97iii3249**
ISC	**III**	**17 01 32 05.4**±.61	**34.90N**±.050	**137.51E**±.054	**32**±7.0		**20**	**0-2**	
JMA	III	17 01 32 05.2±.1	34.93N±.01	137.52E±.01	36±2	2.9			**¶97iii3300**
ISC	**III**	**17 04 31 38.2**±.44	**34.87N**±.040	**137.49E**±.045	**35**±20		**30**	**0-2**	
JMA	III	17 04 31 37.9±.1	34.90N±.01	137.52E±.01	40±2	3.3			**¶97iii3318**
ISC	**III**	**17 16 33 28**±4.0	**35.6N**±.13	**139.5E**±.25	**97**±46		**11**	**0-1**	
JMA	III	17 16 33 28.9±.2	35.58N±.01	139.50E±.01	90±2				**¶97iii3400**
ISC	**III**	**17 16 37 56**±3.5	**35.0N**±.18	**139.8E**±.14	**82**±37		**11**	**0-2**	
JMA	III	17 16 37 55.3±.4	34.99N±.02	139.84E±.02	92±3				**¶97iii3401**
ISC	**III**	**17 17 11 13.3**±.35	**34.86N**±.036	**137.53E**±.034	**36**±18		**43**	**0-4**	
JMA	III	17 17 11 12.7±.1	34.90N±.01	137.53E±.01	43±2	3.2			**¶97iii3405**
ISC	**III**	**18 09 11 57**±2.1	**35.94N**±.099	**139.8E**±.15	**138**±24		**24**	**0-4**	
JMA	III	18 09 11 59.3±.2	35.96N±.01	139.81E±.01	111±2				**¶97iii3515**
ISC	**III**	**18 09 23 54.7**±.50	**34.89N**±.049	**137.51E**±.044	**36**±20		**29**	**0-2**	
JMA	III	18 09 23 54.3±.1	34.92N±.01	137.51E±.01	42±2	2.8			**¶97iii3516**
JMA	**III**	**19 03 01 18.6**±.1	**34.13N**±.01	**139.33E**±.01	**18**±2	**3.2**			**¶97iii3619**
JMA	**III**	**19 03 11 35.1**±.4	**35.94N**±.02	**139.82E**±.02	**70**±3				**¶97iii3622**
ISC	**III**	**19 05 39 53.4**±.60	**34.97N**±.053	**139.21E**±.052	**11**±6.2		**18**	**0-2**	
JMA	III	19 05 39 53.9±.1	34.97N±.01	139.21E±.01	3±2	2.9			**¶97iii3639**
ISC	**III**	**19 05 40 54.9**±.77	**34.96N**±.069	**139.21E**±.070	**12**±7.3		**12**	**0-2**	
JMA	III	19 05 40 55.4±.1	34.98N±.01	139.21E±.01	7±2	2.9			**¶97iii3640**
ISC	**III**	**19 05 45 20**±3.6	**35.88N**±.091	**139.7E**±.30	**65**±37		**12**	**0-1**	
JMA	III	19 05 45 20.6±.2	35.89N±.01	139.58E±.01	60±2	2.5			**¶97iii3641**
ISC	**III**	**20 04 18 06**±1.2	**35.9N**±.19	**139.6E**±.29	**128**		**7**	**0-1**	
JMA	III	20 04 18 05.9±.3	35.85N±.02	139.55E±.02	128±3				**¶97iii3830**
ISC	**III**	**20 08 58 12.6**±.71	**34.14N**±.048	**139.38E**±.049	**14**±5.8		**32**	**0-3**	
JMA	III	20 08 58 12.8±.1	34.17N±.01	139.39E±.01	16±2	2.9			**¶97iii3871**
ISC	**III**	**20 09 13 56**±2.5	**35.57N**±.084	**139.2E**±.11	**125**±27		**18**	**0-2**	
JMA	III	20 09 13 56.0±.2	35.57N±.01	139.26E±.01	120±2				**¶97iii3875**
ISC	**III**	**20 12 21 04**±1.2	**35.8N**±.19	**139.6E**±.28	**124**		**6**	**0-1**	
JMA	III	20 12 21 03.8±.3	35.81N±.02	139.57E±.02	124±2				**¶97iii3893**
ISC	**III**	**20 13 35 27.4**±.47	**34.96N**±.031	**139.14E**±.038	**7**±5.0		**35**	**0-3**	
JMA	III	20 13 35 27.8±.1	34.97N±.01	139.12E±.01	2±2	2.9			**¶97iii3902**
ISC	**III**	**20 13 38 55.0**±.47	**34.98N**±.031	**139.13E**±.035	**4**±4.9		**42**	**0-3**	
JMA	III	20 13 38 55.5±.1	34.97N±.00	139.11E±.01	2±2	3.1			**¶97iii3903**
JMA	**III**	**20 17 30 48.8**±.2	**34.85N**±.01	**139.23E**±.01	**10**±2	**2.8**			**¶97iii3930**
ISC	**III**	**21 07 05 32**±1.6	**35.26N**±.066	**139.46E**±.095	**153**±17		**40**	**0-5**	
JMA	III	21 07 05 33.0±.2	35.28N±.01	139.47E±.01	142±2				**¶97iii4025**
JMA	**III**	**22 14 44 42.4**±.2	**35.69N**±.01	**139.66E**±.02	**77**±2				**¶97iii4284**
ISC	**III**	**22 19 53 35.1**±.63	**34.89N**±.055	**137.52E**±.057	**36**±21		**27**	**0-2**	
JMA	III	22 19 53 34.8±.1	34.91N±.01	137.53E±.01	39±2	2.8			**¶97iii4309**
ISC	**III**	**22 21 45 21**±2.5	**34.4N**±.16	**139.0E**±.11	**216**±20		**36**	**1-6**	
JMA	III	22 21 45 23.9±.3	34.55N±.02	138.97E±.01	197±3				**¶97iii4322**
ISC	**III**	**22 23 01 56**±1.3	**35.6N**±.15	**139.7E**±.24	**88**		**7**	**0-1**	
JMA	III	22 23 01 56.6±.1	35.64N±.01	139.70E±.02	88±2				**¶97iii4333**
ISC	**III**	**23 15 32 13.3**±.46	**34.66N**±.059	**137.50E**±.060	**321**±5.0	**3.1b**	**73**	**0-69**	
EIDC	III	23 15 31 40.8	34.7N	137.0E	0	3.6b			**¶97iii4455**
JMA	III	23 15 32 13.6±.2	34.67N±.02	137.47E±.01	320±2				
ISC	**III**	**24 06 20 05.6**±.61	**35.68N**±.043	**139.68E**±.062	**32**±6.6		**25**	**0-2**	
JMA	III	24 06 20 05.3±.1	35.69N±.01	139.64E±.01	33±2	3.1			**¶97iii4538**
ISC	**III**	**25 06 01 43**±5.0	**35.7N**±.11	**139.7E**±.20	**91**±62		**9**	**0-1**	
JMA	III	25 06 01 44.7±.3	35.73N±.01	139.72E±.02	71±4				**¶97iii4681**
ISC	**III**	**26 09 30 44.1**±.28	**35.58N**±.025	**139.74E**±.041	**58**±6.1	**4.3b**	**66**	**0-59**	
EIDC	III	26 09 30 40.4	35.3N	139.5E	0	4.2b,4.0L			**¶97iii4896**
NEIC	III	26 09 30 42.0	35.41N	139.86E	33	4.5b			
JMA	III	26 09 30 44.2±.1	35.63N±.01	139.68E±.01	40±2	3.7			
JMA	**III**	**26 18 35 47.4**±.3	**35.54N**±.02	**139.29E**±.02	**144**±2				**¶97iii5054**
ISC	**III**	**28 02 45 29**±1.3	**35.25N**±.061	**139.50E**±.063	**120**±16		**32**	**0-4**	
JMA	III	28 02 45 29.6±.2	35.25N±.01	139.49E±.01	115±2				**¶97iii5349**
ISC	**III**	**28 05 30 51**±7.8	**34.2N**±.60	**137.3E**±.22	**369**±64		**16**	**1-6**	
JMA	III	28 05 30 56.4±.2	34.46N±.06	137.30E±.04	326				**¶97iii5367**
ISC	**III**	**28 06 54 57**±2.1	**34.0N**±.18	**139.6E**±.18	**91**		**10**	**0-3**	
JMA	III	28 06 54 56.6±.3	33.98N±.03	139.62E±.05	91				**¶97iii5374**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**28 09 04 48.3**±.36	**34.85N**±.037	**137.53E**±.035	**36**±18		**43**	**0-3**
JMA	III	28 09 04 47.8±.1	34.90N±.01	137.54E±.01	44±2	3.2		**¶97iii5400**
ISC	**III**	**28 14 12 11**±2.5	**35.2N**±.11	**139.70E**±.095	**85**±31		**17**	**0-2**
JMA	III	28 14 12 11.0±.2	35.27N±.01	139.69E±.01	86±3			**¶97iii5448**
ISC	**III**	**29 15 53 38**±4.3	**34.6N**±.30	**137.2E**±.56	**344**		**10**	**2-4**
JMA	III	29 15 53 38.0±.5	34.59N±.04	137.23E±.07	344			**¶97iii5613**
ISC	**III**	**29 19 36 47**±3.9	**35.1N**±.20	**139.9E**±.12	**58**±52		**11**	**0-2**
JMA	III	29 19 36 46.0±.2	35.04N±.02	139.85E±.01	69±3			**¶97iii5638**
ISC	**III**	**29 19 59 22**±2.3	**34.9N**±.16	**140.0E**±.10	**67**±25		**13**	**0-2**
JMA	III	29 19 59 22.2±.2	34.91N±.01	139.95E±.01	64±2			**¶97iii5640**
ISC	**III**	**31 14 05 54**±1.7	**35.8N**±.10	**139.8E**±.19	**75**±32		**13**	**0-2**
JMA	III	31 14 05 54.0±.2	35.86N±.01	139.81E±.02	74±2			**¶97iii5893**
JMA	**IV**	**01 09 47 51.5**±.2	**35.71N**±.02	**139.80E**±.01	**115**±2			**¶97iv0049**
ISC	**IV**	**01 15 22 05.2**±.81	**35.97N**±.036	**139.29E**±.050	**116**±12		**46**	**0-4**
JMA	IV	01 15 22 06.1±.1	35.94N±.01	139.29E±.01	106±2			**¶97iv0088**
ISC	**IV**	**01 21 57 08**±1.8	**33.3N**±.22	**137.9E**±.26	**355**		**16**	**1-6**
JMA	IV	01 21 57 08.2±.2	33.35N±.03	137.76E±.03	355			**¶97iv0145**
ISC	**IV**	**02 22 00 39.7**±.38	**34.96N**±.035	**137.49E**±.037	**36**±18		**39**	**0-3**
JMA	IV	02 22 00 39.4±.1	34.98N±.01	137.52E±.01	43±1	3.4		**¶97iv0326**
ISC	**IV**	**03 13 36 27.6**±.69	**34.14N**±.041	**139.14E**±.037	**11**±5.5		**58**	**0-5**
JMA	IV	03 13 36 28.5±.1	34.22N±.01	139.15E±.01	4±2	3.3		**¶97iv0435**
ISC	**IV**	**03 19 14 07**±4.7	**35.6N**±.22	**139.2E**±.24	**129**±44		**8**	**0-1**
JMA	IV	03 19 14 07.9±.1	35.65N±.01	139.19E±.01	121±1			**¶97iv0467**
ISC	**IV**	**04 04 20 19**±1.0	**35.1N**±.20	**139.8E**±.22	**118**		**11**	**0-2**
JMA	IV	04 04 20 18.5±.4	35.12N±.02	139.78E±.02	118±3			**¶97iv0543**
ISC	**IV**	**04 12 04 04.9**±.92	**35.8N**±.14	**139.4E**±.32	**102**		**8**	**0-1**
JMA	IV	04 12 04 04.9±.2	35.78N±.01	139.40E±.02	102±2			**¶97iv0609**
ISC	**IV**	**04 13 00 59.4**±.44	**34.35N**±.056	**138.31E**±.044	**262**±4.2	**3.0b**	**88**	**0-94**
NEIC	IV	04 13 00 59.3	34.34N	138.35E	258			**¶97iv0613**
JMA	IV	04 13 00 59.8±.1	34.34N±.01	138.32E±.01	260±2			
EIDC	IV	04 13 01 00.0	34.3N	138.4E	252	2.9b		
NEIC		Less reliable solution.						
ISC	**IV**	**05 20 32 54.9**±.34	**34.31N**±.046	**137.24E**±.042	**344**±3.1	**3.3b**	**129**	**0-94**
NEIC	IV	05 20 32 54.6	34.25N	137.20E	339	3.1b		**¶97iv0849**
JMA	IV	05 20 32 54.8±.1	34.28N±.01	137.20E±.01	346±2			
EIDC	IV	05 20 32 55.4	34.3N	137.3E	332	3.1b		
NEIC		Less reliable solution.						
ISC	**IV**	**05 22 31 30.9**±.83	**35.59N**±.045	**139.40E**±.096	**25**		**16**	**0-2**
JMA	IV	05 22 31 30.9±.1	35.59N±.01	139.37E±.01	25±2	2.9		**¶97iv0866**
ISC	**IV**	**06 08 30 59**±1.3	**34.3N**±.20	**137.2E**±.17	**333**		**14**	**0-6**
JMA	IV	06 08 30 59.7±.3	34.32N±.02	137.26E±.03	333±3			**¶97iv0968**
ISC	**IV**	**06 11 30 32**±4.2	**34.3N**±.32	**138.0E**±.46	**297**		**15**	**2-6**
JMA	IV	06 11 30 33.9±.4	34.47N±.04	138.14E±.06	297			**¶97iv0985**
JMA	**IV**	**06 11 46 33.6**±.3	**35.91N**±.01	**139.98E**±.01	**60**±2	**2.2**		**¶97iv0989**
ISC	**IV**	**08 06 01 01**±1.0	**34.8N**±.11	**139.60E**±.065	**27**±11		**12**	**0-2**
JMA	IV	08 06 01 00.6±.1	34.84N±.01	139.59E±.01	36±2	2.9		**¶97iv1282**
ISC	**IV**	**08 06 32 57.8**±.35	**33.65N**±.050	**137.56E**±.045	**362**±2.6	**3.8b**	**125**	**0-95**
BJI	IV	08 06 32 55.8	33.59N	137.41E	353	4.3b		**¶97iv1284**
NEIC	IV	08 06 32 56.8	33.56N	137.55E	355	4.3b		
MOS	IV	08 06 32 57.1	33.6N	137.5E	358	4.7b		
EIDC	IV	08 06 32 58.3	33.6N	137.5E	349	3.5b		
JMA	IV	08 06 32 58.4±.1	33.69N±.02	137.49E±.01	362±2			
ISC	**IV**	**08 17 29 26**±3.8	**35.1N**±.17	**140.0E**±.13	**125**±41		**18**	**0-2**
JMA	IV	08 17 29 26.7±.2	35.12N±.01	139.95E±.01	121±2			**¶97iv1370**
ISC	**IV**	**10 03 53 45**±1.7	**34.8N**±.21	**137.0E**±.30	**332**		**9**	**1-4**
JMA	IV	10 03 53 45.6±.2	34.82N±.04	137.04E±.05	332			**¶97iv1623**
ISC	**IV**	**10 11 20 43**±3.6	**35.8N**±.34	**139.9E**±.26	**70**		**7**	**1-1**
JMA	IV	10 11 20 42.7±.1	35.79N±.01	139.94E±.01	70±1			**¶97iv1682**
ISC	**IV**	**10 13 31 23.2**±.48	**34.96N**±.030	**139.10E**±.039	**5**±5.1		**34**	**0-2**
JMA	IV	10 13 31 23.7±.1	34.96N±.01	139.07E±.01	0	2.9		**¶97iv1700**
ISC	**IV**	**10 15 01 18.3**±.88	**35.68N**±.051	**139.18E**±.050	**123**±11		**43**	**0-4**
JMA	IV	10 15 01 19.1±.1	35.69N±.01	139.18E±.01	115±2			**¶97iv1708**
ISC	**IV**	**10 17 14 31**±1.2	**35.31N**±.057	**139.53E**±.075	**157**±13		**53**	**0-9**
JMA	IV	10 17 14 32.6±.2	35.34N±.01	139.49E±.01	141±2			**¶97iv1718**
ISC	**IV**	**11 01 24 02**±1.1	**35.34N**±.058	**139.92E**±.079	**128**±13		**36**	**0-4**
JMA	IV	11 01 24 03.1±.2	35.36N±.01	139.85E±.01	112±2			**¶97iv1777**
ISC	**IV**	**11 17 11 42**±5.7	**35.2N**±.61	**139.1E**±.56	**140**		**4**	**1-2**
JMA	IV	11 17 11 42.4±.3	35.20N±.04	139.16E±.04	140			**¶97iv1941**
ISC		Poorly determined						
JMA	**IV**	**11 20 13 25.9**±.6	**35.64N**±.03	**139.94E**±.03	**61**±5			**¶97iv1973**
ISC	**IV**	**11 21 29 45**±7.1	**35.6N**±.36	**139.2E**±.26	**133**±62		**8**	**0-1**
JMA	IV	11 21 29 46.1±.3	35.69N±.02	139.22E±.02	119±2			**¶97iv1979**
ISC	**IV**	**12 08 12 48**±1.7	**35.2N**±.16	**139.9E**±.13	**59**±24		**13**	**0-2**
JMA	IV	12 08 12 46.5±.3	35.10N±.02	139.90E±.01	68±3			**¶97iv2033**
ISC	**IV**	**14 00 13 55**±6.0	**35.2N**±.18	**139.3E**±.17	**135**±62		**9**	**0-1**
JMA	IV	14 00 13 54.4±.3	35.19N±.02	139.28E±.02	147±3			**¶97iv2345**
ISC	**IV**	**14 02 05 24**±5.0	**35.5N**±.16	**139.6E**±.19	**126**±53		**9**	**0-1**
JMA	IV	14 02 05 24.8±.3	35.47N±.02	139.63E±.02	119±3			**¶97iv2366**
ISC	**IV**	**14 05 17 24**±1.4	**35.7N**±.24	**139.2E**±.73	**122**		**4**	**0-1**
JMA	IV	14 05 17 24.3±.2	35.68N±.01	139.24E±.02	122±2			**¶97iv2392**
ISC		Poorly determined						
ISC	**IV**	**14 07 11 29**±2.5	**35.0N**±.29	**139.6E**±.36	**134**		**7**	**0-2**
JMA	IV	14 07 11 29.9±.3	35.10N±.04	139.49E±.05	134			**¶97iv2408**
ISC	**IV**	**14 14 33 20**±2.5	**35.4N**±.38	**139.3E**±.33	**123**±14		**8**	**0-66**
JMA	IV	14 14 33 20.9±.2	35.44N±.01	139.27E±.02	116±2			**¶97iv2472**
ISC	**IV**	**16 12 54 28.1**±.56	**34.97N**±.037	**139.27E**±.040	**11**±5.4		**29**	**0-2**
JMA	IV	16 12 54 28.6±.0	34.97N±.01	139.25E±.01	8±1	2.8		**¶97iv2760**
ISC	**IV**	**16 19 36 11**±1.4	**34.0N**±.11	**137.28E**±.068	**370**±13		**65**	**0-7**
JMA	IV	16 19 36 12.4±.2	34.02N±.02	137.23E±.01	357±2			**¶97iv2802**
ISC	**IV**	**16 21 57 35**±7.6	**34.1N**±.85	**137.8E**±.92	**341**		**13**	**2-6**
JMA	IV	16 21 57 32.8±.4	33.92N±.04	137.65E±.06	341			**¶97iv2813**
ISC	**IV**	**17 09 36 40**±1.2	**34.21N**±.084	**139.2E**±.15	**7**±13		**6**	**0-1**
JMA	IV	17 09 36 40.3±.1	34.21N±.01	139.18E±.02	9±3	2.8		**¶97iv2878**
ISC		Poorly determined						
ISC	**IV**	**17 16 02 54**±5.3	**35.4N**±.57	**139.7E**±.43	**127**		**4**	**1-1**
JMA	IV	17 16 02 53.9±.2	35.31N±.02	139.63E±.02	127±2			**¶97iv2930**
ISC		Poorly determined						
ISC	**IV**	**18 04 11 31.5**±.57	**34.83N**±.036	**139.26E**±.045	**11**±5.8		**25**	**0-2**
JMA	IV	18 04 11 31.9±.1	34.84N±.01	139.26E±.01	8±2	3.0		**¶97iv3019**
ISC	**IV**	**19 16 50 52.9**±.56	**34.11N**±.050	**137.87E**±.047	**28**±5.1		**39**	**0-3**
JMA	IV	19 16 50 52.8±.1	34.11N±.01	137.86E±.01	36±2	2.9		**¶97iv3221**
ISC	**IV**	**20 19 04 10**±2.1	**35.7N**±.20	**139.9E**±.24	**73**		**8**	**1-1**
JMA	IV	20 19 04 10.7±.3	35.75N±.02	139.80E±.02	73±4			**¶97iv3350**
ISC	**IV**	**22 07 26 25.0**±.86	**34.32N**±.078	**139.2E**±.12	**14**±8.6		**13**	**0-2**
JMA	IV	22 07 26 25.7±.1	34.34N±.01	139.17E±.01	5±3	2.8		**¶97iv3664**
ISC	**IV**	**22 18 38 40**±6.0	**34.6N**±.51	**138.9E**±.74	**219**		**7**	**1-2**
JMA	IV	22 18 38 40.0±.3	34.62N±.03	138.87E±.05	219			**¶97iv3809**
ISC	**IV**	**23 07 23 24**±1.1	**34.34N**±.068	**139.2E**±.14	**6**±22		**9**	**0-1**
JMA	IV	23 07 23 23.9±.1	34.33N±.01	139.20E±.01	5±2	2.8		**¶97iv3914**
ISC	**IV**	**23 17 20 36**±2.7	**35.56N**±.086	**139.8E**±.10	**116**±32		**20**	**0-2**
JMA	IV	23 17 20 36.3±.2	35.57N±.01	139.81E±.01	113±2			**¶97iv4001**
ISC	**IV**	**24 00 58 01**±2.2	**35.68N**±.099	**139.6E**±.14	**127**±26		**16**	**0-4**
JMA	IV	24 00 58 01.8±.3	35.69N±.02	139.56E±.02	115±3			**¶97iv4053**
ISC	**IV**	**24 16 47 58.0**±.66	**34.95N**±.056	**139.24E**±.046	**11**±5.9		**20**	**0-2**
JMA	IV	24 16 47 58.4±.1	34.96N±.01	139.23E±.01	5±2	2.9		**¶97iv4178**
ISC	**IV**	**24 20 39 22.0**±.54	**35.73N**±.040	**139.77E**±.054	**32**±6.4		**26**	**0-2**
JMA	IV	24 20 39 21.5±.1	35.75N±.01	139.74E±.01	35±2	2.8		**¶97iv4206**
ISC	**IV**	**25 11 12 51**±3.7	**35.0N**±.12	**139.3E**±.11	**177**±36		**20**	**0-2**
JMA	IV	25 11 12 53.3±.2	34.97N±.01	139.30E±.01	155±2			**¶97iv4332**
ISC	**IV**	**26 12 18 32**±3.6	**35.8N**±.24	**139.2E**±.54	**114**		**5**	**0-1**
JMA	IV	26 12 18 31.7±.4	35.82N±.03	139.27E±.06	114			**¶97iv4548**
ISC	**IV**	**27 12 26 58**±2.4	**35.2N**±.24	**139.4E**±.40	**146**	2.8b	**6**	**1-66**
JMA	IV	27 12 26 58.8±.4	35.27N±.02	139.39E±.04	146±3			**¶97iv4722**
ISC	**IV**	**29 02 19 28**±1.0	**35.67N**±.054	**139.95E**±.063	**97**±14		**37**	**0-5**
JMA	IV	29 02 19 29.0±.2	35.68N±.01	139.92E±.01	88±2			**¶97iv5005**
JMA	**IV**	**29 13 45 53.1**±.4	**33.69N**±.04	**137.97E**±.06	**318**			**¶97iv5083**
JMA	**IV**	**29 17 22 46.3**±.3	**35.74N**±.02	**139.85E**±.02	**108**±2			**¶97iv5105**
ISC	**IV**	**29 18 30 36.1**±.52	**35.51N**±.032	**139.87E**±.044	**62**±9.9		**52**	**0-4**
JMA	IV	29 18 30 35.9±.1	35.51N±.01	139.83E±.01	61±2	3.4		**¶97iv5108**
ISC	**IV**	**30 05 32 38.9**±.71	**34.32N**±.036	**139.28E**±.037	**11**±5.3	**3.8b**	**58**	**0-93**
JMA	IV	30 05 32 39.5±.1	34.36N±.01	139.28E±.01	4±2	3.2		**¶97iv5171**
EIDC	IV	30 05 32 39.6	34.5N	139.2E	0	3.7b,3.5L		
NEIC	IV	30 05 32 41.8	34.60N	139.06E	33			
NEIC		Single network solution.						
ISC	**IV**	**30 21 03 32.8**±.77	**35.65N**±.045	**139.12E**±.054	**129**±10		**45**	**0-5**
JMA	IV	30 21 03 33.8±.1	35.66N±.01	139.12E±.01	119±2			**¶97iv5264**
ISC	**IV**	**30 22 35 41**±3.9	**33.9N**±.97	**137.4E**±.92	**356**		**7**	**1-5**
JMA	IV	30 22 35 41.4±.2	33.90N±.07	137.31E±.06	356			**¶97iv5279**
ISC	**V**	**01 08 44 21**±1.4	**34.99N**±.078	**139.92E**±.076	**63**±20		**21**	**0-2**
JMA	V	01 08 44 21.2±.2	34.99N±.01	139.88E±.01	65±2			**¶97v0065**
ISC	**V**	**01 11 48 25.5**±.59	**35.92N**±.024	**139.23E**±.034	**6**±5.5		**54**	**0-5**
JMA	V	01 11 48 25.9±.0	35.90N±.00	139.17E±.01	13±2	3.3		**¶97v0093**
JMA	**V**	**02 08 30 38.4**±.3	**35.66N**±.02	**139.73E**±.03	**115**±3			**¶97v0232**
ISC	**V**	**02 21 16 06**±2.4	**34.1N**±.18	**137.39E**±.098	**368**±22		**37**	**1-6**
JMA	V	02 21 16 07.1±.4	34.12N±.04	137.36E±.02	356±4			**¶97v0329**
JMA	**V**	**03 01 38 32.1**±.2	**35.98N**±.01	**139.87E**±.01	**64**±1			**¶97v0355**
JMA	**V**	**03 03 43 39.9**±.2	**35.98N**±.01	**139.46E**±.02	**83**±2			**¶97v0369**
JMA	**V**	**03 23 38 46.0**±.2	**35.94N**±.02	**139.80E**±.01	**72**±2			**¶97v0520**
ISC	**V**	**04 08 56 31**±1.4	**35.7N**±.15	**139.4E**±.36	**101**		**7**	**0-1**
JMA	V	04 08 56 31.2±.1	35.72N±.01	139.45E±.01	101±1			**¶97v0601**
JMA	**V**	**04 10 11 59.1**±.4	**35.68N**±.02	**139.75E**±.03	**117**±4			**¶97v0619**
ISC	**V**	**04 14 20 22**±1.9	**34.1N**±.11	**139.7E**±.12	**144**±18		**27**	**0-6**
JMA	V	04 14 20 24.2±.3	34.14N±.01	139.68E±.02	124±3			**¶97v0652**
JMA	**V**	**05 14 29 19.4**±.1	**35.74N**±.01	**139.85E**±.01	**114**±1			**¶97v0797**
ISC	**V**	**06 13 37 26.7**±.34	**35.41N**±.032	**139.20E**±.045	**149**±4.2	**3.9b**	**71**	**0-59**
NEIC	V	06 13 37 26.3	35.44N	139.31E	150	4.1b		**¶97v0973**
EIDC	V	06 13 37 27.5	35.4N	139.2E	134	3.6b		
JMA	V	06 13 37 28.7±.1	35.44N±.01	139.18E±.01	127±2			
NEIC		Less reliable solution.						
ISC	**V**	**07 00 55 32**±3.9	**34.7N**±.20	**138.7E**±.53	**231**		**12**	**2-5**
JMA	V	07 00 55 31.9±.3	34.76N±.02	138.66E±.05	231±2			**¶97v1036**
ISC	**V**	**07 10 25 56.4**±.49	**34.60N**±.045	**138.50E**±.034	**17**±6.8		**40**	**0-3**
JMA	V	07 10 25 56.6±.1	34.63N±.01	138.52E±.00	30±2	3.0		**¶97v1082**
ISC	**V**	**08 09 11 05.5**±.40	**33.94N**±.070	**137.18E**±.051	**354**±3.3	**3.5b**	**81**	**1-95**
NEIC	V	08 09 11 04.8	33.81N	137.12E	350	4.0b		**¶97v1210**
JMA	V	08 09 11 04.9±.3	33.93N±.03	137.15E±.02	363±3			
EIDC	V	08 09 11 05.2	33.8N	137.2E	338	3.2b		
NEIC		Less reliable solution.						
ISC	**V**	**08 14 19 56**±1.8	**35.2N**±.20	**139.4E**±.27	**149**		**7**	**1-2**
JMA	V	08 14 19 56.2±.3	35.25N±.02	139.35E±.02	149±2			**¶97v1258**
ISC	**V**	**08 18 57 55**±3.1	**35.2N**±.14	**139.7E**±.10	**96**±33		**16**	**0-2**
JMA	V	08 18 57 55.3±.2	35.23N±.01	139.73E±.01	95±3			**¶97v1299**
JMA	**V**	**08 23 40 04.2**±.2	**35.99N**±.02	**139.92E**±.01	**99**±2			**¶97v1327**
ISC	**V**	**09 07 24 01.9**±.60	**34.94N**±.049	**139.21E**±.044	**8**±6.5		**24**	**0-2**
JMA	V	09 07 24 02.2±.1	34.94N±.01	139.21E±.01	2±2	3.0		**¶97v1379**
ISC	**V**	**09 22 32 50.0**±.60	**35.73N**±.033	**139.68E**±.046	**108**±9.2		**63**	**0-4**
JMA	V	09 22 32 50.9±.1	35.73N±.00	139.65E±.01	97±2			**¶97v1494**
ISC	**V**	**11 01 10 46**±7.3	**34.0N**±.38	**137.1E**±.39	**384**±56		**17**	**1-6**
JMA	V	11 01 10 49.7±.2	34.27N±.04	137.17E±.06	357			**¶97v1696**
JMA	**V**	**11 08 09 33.7**±.2	**35.65N**±.01	**139.82E**±.01	**71**±2			**¶97v1754**
ISC	**V**	**11 14 27 11**±2.6	**33.2N**±.33	**137.9E**±.38	**341**±16	2.5b	**8**	**2-69**
JMA	V	11 14 27 10.9±.2	33.27N±.03	137.95E±.03	347			**¶97v1790**
ISC		Poorly determined						
ISC	**V**	**11 21 55 34**±1.5	**34.84N**±.083	**139.81E**±.088	**94**±19		**18**	**0-3**
JMA	V	11 21 55 34.6±.2	34.81N±.01	139.79E±.01	92±2			**¶97v1851**
ISC	**V**	**12 00 08 55**±2.0	**33.6N**±.34	**137.2E**±.14	**381**		**13**	**1-4**
JMA	V	12 00 08 56.2±.3	33.76N±.06	137.23E±.03	381			**¶97v1865**
ISC	**V**	**12 03 13 36.0**±.28	**35.37N**±.027	**139.84E**±.037	**68**±4.0	**3.6b**	**94**	**0-92**
NEIC	V	12 03 13 35.7	35.34N	139.76E	65	3.9b		**¶97v1881**
JMA	V	12 03 13 36.4±.1	35.37N±.01	139.77E±.01	61±2	3.6		
EIDC	V	12 03 13 37.9	35.5N	139.8E	65	3.4b		
NEIC		Less reliable solution.						
ISC	**V**	**12 03 28 06.7**±.66	**35.82N**±.034	**139.61E**±.050	**85**±11		**42**	**0-4**
JMA	V	12 03 28 06.9±.1	35.82N±.01	139.59E±.01	81±2			**¶97v1882**
ISC	**V**	**13 11 25 46.9**±.45	**35.66N**±.049	**139.62E**±.075	**79**		**23**	**0-2**
JMA	V	13 11 25 47.0±.2	35.64N±.01	139.61E±.01	79±2			**¶97v2236**
ISC	**V**	**13 15 18 10.1**±.85	**35.63N**±.099	**139.6E**±.16	**70**		**10**	**0-1**
JMA	V	13 15 18 10.1±.3	35.62N±.01	139.62E±.03	70±4			**¶97v2271**
ISC	**V**	**13 20 49 44**±3.7	**34.7N**±.32	**139.7E**±.38	**102**		**6**	**1-2**
JMA	V	13 20 49 43.8±.4	34.66N±.02	139.64E±.04	102±5			**¶97v2323**
ISC	**V**	**14 09 12 24**±1.2	**35.6N**±.21	**139.4E**±.27	**137**		**8**	**0-2**
JMA	V	14 09 12 24.7±.2	35.60N±.01	139.38E±.02	137±2			**¶97v2421**
ISC	**V**	**14 23 13 41**±3.0	**35.50N**±.096	**139.7E**±.15	**95**±35		**13**	**0-2**
JMA	V	14 23 13 40.5±.4	35.43N±.02	139.61E±.03	97±3			**¶97v2517**
ISC	**V**	**15 04 37 46.1**±.64	**34.94N**±.039	**139.25E**±.043	**13**±5.8		**28**	**0-2**
JMA	V	15 04 37 46.5±.0	34.93N±.00	139.24E±.01	10±1	2.9		**¶97v2564**
ISC	**V**	**15 08 16 22.5**±.52	**34.98N**±.036	**139.10E**±.042	**7**±5.3		**28**	**0-2**
JMA	V	15 08 16 23.0±.0	34.99N±.00	139.09E±.00	0	3.1		**¶97v2580**
ISC	**V**	**15 17 36 50**±4.6	**34.3N**±.25	**138.0E**±.18	**314**±36		**32**	**1-6**
JMA	V	15 17 36 51.8±.4	34.34N±.03	137.99E±.02	299±4			**¶97v2654**
ISC	**V**	**15 22 39 33**±5.8	**34.4N**±.55	**139.7E**±.34	**106**		**6**	**1-2**
JMA	V	15 22 39 33.8±.5	34.38N±.05	139.72E±.05	106			**¶97v2690**
ISC	**V**	**16 17 07 33.6**±.42	**34.86N**±.039	**137.54E**±.037	**39**±17		**42**	**0-3**
JMA	V	16 17 07 33.2±.1	34.89N±.01	137.54E±.01	45±1	3.2		**¶97v2813**
ISC	**V**	**16 22 13 44.2**±.59	**34.83N**±.066	**137.19E**±.052	**321**±5.7	**3.5b**	**87**	**0-70**
NEIC	V	16 22 13 43.2	34.68N	137.22E	318			**¶97v2836**
EIDC	V	16 22 13 43.5	34.7N	137.3E	306	3.3b		
JMA	V	16 22 13 44.7±.1	34.84N±.01	137.14E±.01	317±2			
NEIC		Poor solution.						

JMA	**V**	**17 10 17 27.1**±.4	**35.65N**±.02	**139.68E**±.02	**68**±3			¶97v2911
JMA	**V**	**17 20 48 00.5**±.1	**35.77N**±.01	**139.77E**±.01	**114**±1			¶97v2985
ISC	**V**	**18 13 07 58.8**±.59	**34.27N**±.039	**139.15E**±.038	**13**±5.7		**56**	**0-6**
JMA	V	18 13 07 59.2±.0	34.32N±.00	139.16E±.01	9±2	3.1		¶97v3086
ISC	**V**	**18 13 11 03.4**±.62	**34.25N**±.047	**139.19E**±.044	**14**±5.7		**40**	**0-4**
JMA	V	18 13 11 04.0±.1	34.32N±.01	139.19E±.01	5±3	2.9		¶97v3089
ISC	**V**	**18 15 17 52.4**±.66	**34.29N**±.039	**139.12E**±.048	**8**±7.1		**44**	**0-5**
JMA	V	18 15 17 53.0±.1	34.34N±.01	139.18E±.01	6±3	2.8		¶97v3109
ISC	**V**	**18 15 18 20.4**±.73	**34.26N**±.053	**139.07E**±.059	**8**±8.4		**42**	**0-5**
JMA	V	18 15 18 20.8±.1	34.33N±.01	139.13E±.01	6±3	3.0		¶97v3110
ISC	**V**	**18 23 06 33.4**±.45	**34.94N**±.044	**137.44E**±.044	**27**±6.5		**29**	**0-2**
JMA	V	18 23 06 33.1±.1	34.95N±.01	137.44E±.01	41±2	2.9		¶97v3157
ISC	**V**	**19 04 34 25**±1.5	**35.6N**±.15	**139.0E**±.33	**159**		**7**	**0-2**
JMA	V	19 04 34 25.1±.3	35.61N±.02	139.04E±.03	159±3			¶97v3196
ISC	**V**	**19 19 02 22**±1.4	**34.2N**±.14	**139.4E**±.21	**20**		**5**	**0-1**
JMA	V	19 19 02 22.3±.2	34.15N±.01	139.39E±.01	20±2	2.8		¶97v3293
ISC	Poorly determined							
ISC	**V**	**19 23 27 44**±1.5	**35.8N**±.24	**139.2E**±.30	**115**		**9**	**0-1**
JMA	V	19 23 27 43.7±.3	35.82N±.02	139.26E±.02	115±2			¶97v3321
ISC	**V**	**20 04 20 53.8**±.31	**34.20N**±.028	**139.97E**±.030	**122**±2.1	**4.9b**	**311**	**0-160**
BJI	V	20 04 20 50.4	33.90N	139.90E	102	4.7b		¶97v3355
NEIC	V	20 04 20 50.4	33.88N	139.97E	102	5.0b		
MOS	V	20 04 20 51.4	33.9N	140.0E	114	5.1b		
EIDC	V	20 04 20 51.9	33.9N	140.0E	105	4.6b,3.4s		
JMA	V	20 04 20 54.1±.1	34.04N±.01	140.00E±.01	112±2	4.6		
JMA	**V**	**21 20 41 57.7**±.1	**35.84N**±.01	**139.85E**±.01	**71**±1			¶97v3604
ISC	**V**	**21 23 11 24.1**±.55	**34.23N**±.021	**139.19E**±.021	**8**±3.4	**4.9b,5.1s**	**326**	**0-150**
EIDC	V	21 23 11 22.6	34.2N	139.5E	0	4.6b,4.0L		¶97v3623
JMA	V	21 23 11 24.8±.2	34.22N±.01	139.22E±.01	0	5.1		
NEIC	V	21 23 11 25.9	34.28N	139.13E	20	5.1b		
MOS	V	21 23 11 28.1	34.3N	139.1E	33	5.6b		
BJI	V	21 23 11 28.5	34.30N	139.10E	20	5.1b,5.4s		
JMA	Felt I= IV J1							
ISC	**V**	**21 23 15 41**±1.1	**34.25N**±.080	**139.2E**±.12	**7**±14		**7**	**0-1**
JMA	V	21 23 15 41.4±.0	34.24N±.00	139.17E±.01	7±1	3.0		¶97v3624
ISC	**V**	**21 23 30 21.3**±.71	**34.21N**±.050	**139.22E**±.050	**7**±6.2		**29**	**0-4**
JMA	V	21 23 30 21.9±.2	34.22N±.01	139.19E±.02	8±4	3.0		¶97v3626
ISC	**V**	**21 23 55 18.3**±.88	**34.24N**±.066	**139.17E**±.093	**4**±12		**9**	**0-1**
JMA	V	21 23 55 18.5±.1	34.22N±.01	139.17E±.01	6±2	2.8		¶97v3631
ISC	**V**	**22 00 05 53.3**±.72	**34.24N**±.047	**139.21E**±.051	**5**±6.9		**24**	**0-3**
JMA	V	22 00 05 53.8±.2	34.22N±.01	139.20E±.01	3±3	2.9		¶97v3635
ISC	**V**	**23 06 42 24**±1.1	**35.1N**±.12	**139.8E**±.14	**64**		**11**	**0-2**
JMA	V	23 06 42 23.8±.2	35.09N±.01	139.84E±.01	64±3			¶97v3902
ISC	**V**	**23 17 50 38.3**±.34	**34.45N**±.019	**137.52E**±.020	**28**±2.8	**5.1b,5.6s**	**391**	**0-151**
EIDC	V	23 17 50 35.0	34.4N	137.5E	0	4.5b,5.0s		¶97v3977
BJI	V	23 17 50 35.4	34.43N	137.77E	26	5.2b,6.0s		
NEIC	V	23 17 50 35.4	34.37N	137.48E	11	5.2b,5.3s		
JMA	V	23 17 50 38.4±.0	34.50N±.01	137.50E±.01	23±2	5.9		
HRVD	V	23 17 50 40.4±.2	34.55N±.02	137.41E±.04	17			
MOS	V	23 17 50 42.2	35.1N	137.3E	33	5.7b,6.1s		
NEIC	Mw5.8(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c71; Half duration: 2τ0. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.30±.06; $M_{\theta\theta}$1.27±.06; $M_{\phi\phi}$0.03±.08; $M_{r\theta}$−3.40±.14; $M_{r\phi}$−3.38±.12; $M_{\theta\phi}$0.58±.06. Principal Axes: T 4.97,Plg37°,Azm142°; N 0.04, Plg7°,Azm47°; P −5.01,Plg52°,Azm308°. Best double couple: $M_0$5.0×10^{17}Nm, NP1:ϕ_S269°, δ10°,λ−48°. NP2:ϕ_S46°,δ83°,λ−97°.

ISC	**V**	**24 05 47 14**±2.9	**34.8N**±.26	**138.6E**±.38	**230**		**8**	**1-3**
JMA	V	24 05 47 14.0±.4	34.79N±.03	138.62E±.04	230±5			¶97v4060
ISC	**V**	**26 11 01 41.4**±.59	**34.80N**±.032	**137.03E**±.035	**0**±6.4		**33**	**0-2**
JMA	V	26 11 01 42.1±.1	34.81N±.01	137.04E±.01	11±4	2.8		¶97v4404
ISC	**V**	**26 14 03 44.0**±.43	**35.31N**±.038	**139.30E**±.045	**21**±6.7		**29**	**0-2**
JMA	V	26 14 03 44.0±.0	35.32N±.00	139.29E±.01	27±1	2.9		¶97v4422
ISC	**V**	**27 21 09 45**±3.2	**34.3N**±.21	**138.3E**±.61	**306**		**16**	**2-6**
JMA	V	27 21 09 44.7±.4	34.24N±.01	138.21E±.05	306±4			¶97v4610
ISC	**V**	**29 17 33 05.6**±.73	**35.3N**±.10	**139.5E**±.16	**108**		**10**	**0-2**
JMA	V	29 17 33 05.6±.2	35.28N±.01	139.48E±.02	108±2			¶97v4905
ISC	**V**	**29 22 38 46.8**±.66	**34.06N**±.076	**137.46E**±.059	**341**±6.6	3.1b	**80**	**0-82**
NEIC	V	29 22 38 45.4	33.80N	137.42E	315			¶97v4932
EIDC	V	29 22 38 46.6	33.9N	137.6E	314	2.9b		
JMA	V	29 22 38 47.2±.2	34.13N±.02	137.37E±.01	344±2			
NEIC	Less reliable solution.							
ISC	**V**	**30 12 53 50**±7.8	**33.0N**±.51	**137.6E**±.33	**397**±49		**29**	**2-7**
JMA	V	30 12 53 53.8±.2	33.33N±.04	137.57E±.04	376			¶97v5036
ISC	**V**	**31 21 17 21**±1.7	**35.2N**±.20	**139.4E**±.34	**111**		**6**	**0-2**
JMA	V	31 21 17 21.2±.4	35.22N±.03	139.38E±.04	111±3			¶97v5241
ISC	**VI**	**02 07 02 33.9**±.68	**34.15N**±.043	**139.14E**±.044	**10**±5.5		**42**	**0-5**
JMA	VI	02 07 02 34.9±.1	34.22N±.01	139.16E±.01	0	3.1		¶97vi0199
ISC	**VI**	**02 09 46 16.4**±.58	**35.50N**±.032	**139.09E**±.044	**9**±6.5		**30**	**0-2**
JMA	VI	02 09 46 16.9±.1	35.49N±.00	139.07E±.01	14±2	2.8		¶97vi0221
ISC	**VI**	**03 16 40 26.6**±.62	**35.59N**±.037	**139.66E**±.048	**73**±11		**44**	**0-4**
JMA	VI	03 16 40 26.8±.1	35.60N±.01	139.65E±.01	69±2	2.7		¶97vi0490
ISC	**VI**	**03 19 27 58**±4.5	**34.5N**±.18	**138.2E**±.32	**280**±36		**19**	**1-6**
JMA	VI	03 19 27 58.3±.3	34.54N±.02	138.27E±.03	280±3			¶97vi0509
ISC	**VI**	**07 13 18 51**±3.0	**34.7N**±.19	**137.5E**±.52	**341**		**16**	**1-6**
JMA	VI	07 13 18 50.4±.3	34.75N±.04	137.28E±.08	341			¶97vi1099
ISC	**VI**	**08 09 35 45.5**±.51	**35.44N**±.021	**139.02E**±.027	**9**±4.7	**3.5b**	**86**	**0-69**
EIDC	VI	08 09 35 42.4	35.4N	139.0E	0	3.4b		¶97vi1213
NEIC	VI	08 09 35 44.5	35.35N	138.99E	33			
JMA	VI	08 09 35 46.0±.0	35.47N±.00	139.02E±.01	13±2	3.6		
NEIC	Single network solution.							
ISC	**VI**	**11 04 47 24**±5.0	**34.0N**±.36	**139.0E**±.31	**16**±55		**5**	**0-1**
JMA	VI	11 04 47 23.3±.2	33.99N±.02	138.95E±.01	15±3	2.9		¶97vi1619
ISC	Poorly determined							
ISC	**VI**	**11 04 48 36**±1.6	**34.00N**±.079	**139.0E**±.11	**13**±13		**13**	**0-3**
JMA	VI	11 04 48 36.1±.2	34.01N±.01	138.99E±.01	17±3	3.3		¶97vi1620
ISC	**VI**	**11 04 55 22**±1.9	**34.0N**±.15	**139.0E**±.13	**9**±18		**19**	**0-2**
JMA	VI	11 04 55 22.4±.2	34.01N±.01	138.98E±.01	16±3	2.8		¶97vi1622
ISC	**VI**	**11 06 14 51**±4.2	**34.0N**±.30	**139.0E**±.18	**12**		**10**	**0-2**
JMA	VI	11 06 14 51.1±.2	34.01N±.01	138.94E±.01	12±3	2.8		¶97vi1627
ISC	Poorly determined							
ISC	**VI**	**11 08 47 46**±2.6	**34.0N**±.12	**139.0E**±.20	**15**±16		**9**	**0-2**
JMA	VI	11 08 47 46.4±.1	34.01N±.01	138.96E±.01	15±3	2.9		¶97vi1648
JMA	**VI**	**11 10 29 18.1**±.3	**34.02N**±.02	**138.97E**±.01	**11**±3	**2.8**		¶97vi1668
ISC	**VI**	**12 00 26 39**±2.0	**35.7N**±.23	**139.7E**±.28	**77**		**9**	**0-1**
JMA	VI	12 00 26 39.8±.3	35.70N±.02	139.68E±.02	77±3			¶97vi1776
ISC	**VI**	**12 05 08 45**±4.0	**35.9N**±.14	**139.7E**±.18	**91**±48		**10**	**0-1**
JMA	VI	12 05 08 46.0±.2	35.91N±.01	139.64E±.01	81±2			¶97vi1803
ISC	**VI**	**12 12 30 55**±3.1	**35.55N**±.096	**140.0E**±.12	**105**±37		**16**	**0-2**
JMA	VI	12 12 30 54.5±.2	35.53N±.01	139.97E±.02	107±2			¶97vi1846
ISC	**VI**	**13 15 59 02.5**±.62	**35.47N**±.031	**139.16E**±.040	**12**±6.1		**33**	**0-3**
JMA	VI	13 15 59 02.8±.0	35.47N±.00	139.13E±.01	15	2.9		¶97vi2012
ISC	**VI**	**13 22 40 59**±3.1	**34.1N**±.25	**139.1E**±.19	**18**		**10**	**0-2**
JMA	VI	13 22 40 58.2±.2	34.00N±.01	138.96E±.01	18±3	2.8		¶97vi2052
ISC	**VI**	**13 23 30 46**±5.4	**35.7N**±.16	**139.8E**±.22	**108**±60		**9**	**0-1**
JMA	VI	13 23 30 47.8±.3	35.66N±.02	139.75E±.02	86±3			¶97vi2057
ISC	**VI**	**14 11 37 47.3**±.35	**35.20N**±.029	**139.87E**±.039	**106**±4.3	**3.5b**	**88**	**0-70**
NEIC	VI	14 11 37 46.2	35.08N	139.91E	98			¶97vi2122
EIDC	VI	14 11 37 47.6	35.1N	139.8E	85	3.2b		
JMA	VI	14 11 37 48.8±.1	35.21N±.01	139.76E±.01	89±2	3.5		
NEIC	Less reliable solution.							
ISC	**VI**	**15 13 05 56**±1.6	**35.72N**±.054	**139.90E**±.065	**102**±22		**29**	**0-2**
JMA	VI	15 13 05 55.9±.2	35.73N±.01	139.88E±.01	99±2			¶97vi2301
ISC	**VI**	**16 08 45 02.3**±.33	**33.91N**±.050	**137.17E**±.045	**364**±2.4	**3.8b**	**145**	**0-151**
BJI	VI	16 08 44 58.8	33.63N	137.32E	360			¶97vi2428
NEIC	VI	16 08 45 00.7	33.74N	137.06E	355	4.0b		
EIDC	VI	16 08 45 01.5	33.7N	137.2E	353	3.4b		
JMA	VI	16 08 45 01.9±.1	33.91N±.01	137.13E±.01	373±1			
NEIC	Less reliable solution.							
ISC	**VI**	**17 00 38 23.3**±.64	**35.03N**±.049	**139.11E**±.062	**8**±6.0		**20**	**0-2**
JMA	VI	17 00 38 23.7±.0	35.03N±.00	139.10E±.01	4±1	2.8		¶97vi2531
ISC	**VI**	**17 03 38 13.2**±.72	**34.92N**±.039	**139.29E**±.053	**13**±6.2		**23**	**0-2**
JMA	VI	17 03 38 13.7±.1	34.91N±.01	139.28E±.01	15±1	2.8		¶97vi2545
JMA	**VI**	**18 13 13 04.1**±.4	**35.58N**±.03	**139.76E**±.03	**118**±3			¶97vi2788
ISC	**VI**	**18 16 44 54**±2.8	**35.3N**±.14	**139.9E**±.12	**78**±37		**15**	**0-2**
JMA	VI	18 16 44 52.5±.3	35.23N±.01	139.88E±.01	93±3			¶97vi2807
ISC	**VI**	**19 07 32 43**±1.8	**33.8N**±.19	**137.7E**±.25	**363**		**27**	**2-6**
JMA	VI	19 07 32 42.5±.5	33.84N±.04	137.60E±.04	363±4			¶97vi2880
ISC	**VI**	**20 17 05 28**±4.0	**34.3N**±.64	**138.2E**±.61	**266**		**6**	**1-4**
JMA	VI	20 17 05 28.6±.4	34.42N±.04	138.13E±.04	266±4			¶97vi3088
ISC	**VI**	**20 20 39 21**±2.0	**35.70N**±.078	**139.74E**±.086	**125**±26		**22**	**0-3**
JMA	VI	20 20 39 21.9±.2	35.70N±.01	139.73E±.01	110±2			¶97vi3110
ISC	**VI**	**21 04 52 22.6**±.48	**34.99N**±.034	**139.08E**±.042	**6**±5.3		**35**	**0-3**
JMA	VI	21 04 52 23.1±.1	35.00N±.01	139.06E±.01	0±2	2.9		¶97vi3161
ISC	**VI**	**21 15 26 35**±5.3	**35.3N**±.17	**139.8E**±.28	**72**±52		**13**	**0-1**
JMA	VI	21 15 26 34.9±.3	35.37N±.01	139.76E±.02	67±3			¶97vi3238
ISC	**VI**	**22 08 00 17**±1.0	**35.69N**±.044	**139.97E**±.065	**112**±14		**35**	**0-4**
JMA	VI	22 08 00 17.1±.2	35.67N±.01	139.91E±.01	106±2			¶97vi3343
ISC	**VI**	**24 01 37 39.9**±.63	**35.88N**±.035	**139.74E**±.048	**86**±11		**45**	**0-4**
JMA	VI	24 01 37 40.2±.1	35.87N±.01	139.73E±.01	79±2			¶97vi3616
ISC	**VI**	**25 16 28 55.4**±.52	**33.97N**±.056	**137.52E**±.057	**355**±4.6	**3.2b**	**100**	**0-95**
NEIC	VI	25 16 28 54.5	33.81N	137.54E	341			¶97vi3983
EIDC	VI	25 16 28 54.6	33.8N	137.7E	328	3.2b		
JMA	VI	25 16 28 55.4±.3	33.99N±.02	137.48E±.01	357±3			
NEIC	Less reliable solution.							
ISC	**VI**	**26 05 24 02.1**±.51	**35.78N**±.031	**139.66E**±.049	**55**±13		**41**	**0-4**
JMA	VI	26 05 24 02.0±.1	35.78N±.01	139.63E±.01	53±2	3.3		¶97vi4088
ISC	**VI**	**27 02 48 07**±1.6	**35.35N**±.090	**139.32E**±.076	**119**±17		**32**	**0-5**
JMA	VI	27 02 48 07.4±.2	35.36N±.01	139.31E±.01	113±3			¶97vi4226
ISC	**VI**	**27 04 29 21**±1.1	**35.80N**±.056	**139.64E**±.077	**56**±19		**18**	**0-1**
JMA	VI	27 04 29 20.7±.2	35.79N±.01	139.63E±.02	52±3	2.8		¶97vi4239
ISC	**VI**	**27 07 49 41.4**±.38	**35.78N**±.026	**139.66E**±.040	**52**±12		**55**	**0-5**
JMA	VI	27 07 49 41.3±.1	35.79N±.01	139.62E±.01	50±2	3.6		¶97vi4255
ISC	**VI**	**30 22 21 41**±1.1	**36.0N**±.11	**139.4E**±.26	**92**		**9**	**0-1**
JMA	VI	30 22 21 41.0±.2	35.99N±.01	139.39E±.02	92±2			¶97vi4830

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ISC	**I**	**14 20 35 45**±7.8	**37.8N**±.63	**124.4E**±.34	**25**		**4**	**2-8**
BJI	I	14 20 35 45.5	37.93N	124.34E	25	3.2L		¶97i2055
ISC	Poorly determined							
ISC	**III**	**07 03 14 07**±9.4	**34.7N**±.46	**129.0E**±.48	**17**±31		**7**	**0-2**
JMA	III	07 03 14 03.7±.6	34.79N±.03	128.82E±.03	20±3	2.8		¶97iii1415
ISC	**IV**	**26 21 21 05**±1.1	**36.6N**±.15	**125.3E**±.34	**33**	**3.4b**	**5**	**24-70**
EIDC	IV	26 21 21 01.7	36.7N	125.2E	0	3.5b		¶97iv4608
JMA	**IV**	**26 23 02 42.0**±.9	**33.47N**±.03	**127.53E**±.07	**0**	**3.2**		¶97iv4618
BJI	**V**	**09 12 40 10.4**	**35.31N**	**125.71E**	**15**	**3.9L,3.8s**		¶97v1423
JMA	**VI**	**16 13 51 14.4**±.1	**35.60N**±.01	**129.19E**±.02	**8**±2	**3.2**		¶97vi2471
ISC	**VI**	**25 18 50 24**±1.0	**35.84N**±.026	**129.20E**±.030	**26**±8.7	**4.3b,4.0s**	**144**	**1-123**
BJI	VI	25 18 50 20.7	35.76N	129.42E	15	5.3L,4.5b		¶97vi4008
NEIC	VI	25 18 50 21.1	35.82N	129.19E	10	4.7b		
MOS	VI	25 18 50 21.2	35.8N	129.3E	10	4.7b		
JMA	VI	25 18 50 21.3±.8	35.92N±.05	129.27E±.06	10	4.2		
EIDC	VI	25 18 50 22.8	35.7N	129.2E	14	4.2b,4.0L		
BJI	Ms4.4							
NEIC	Felt.							

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ISC	**I**	**01 09 35 23.6**±.31	**35.44N**±.034	**136.34E**±.030	**12**		**49**	**0-3**
JMA	I	01 09 35 23.0±.0	35.46N±.00	136.34E±.00	12±2	3.4		¶97i0051
ISC	**I**	**02 11 11 46.6**±.12	**35.55N**±.024	**135.74E**±.025	**359**±1.5	**4.5b**	**315**	**0-166**
BJI	I	02 11 11 45.3	35.49N	135.78E	366	5.0b		¶97i0198
NEIC	I	02 11 11 46.3	35.49N	135.66E	358	4.6b		
JMA	I	02 11 11 47.0±.1	35.47N±.01	135.77E±.01	359±1	5.1		
MOS	I	02 11 11 47.0	35.8N	135.6E	347	4.9b		
EIDC	I	02 11 11 47.0	35.5N	135.7E	353	4.2b		
ISC	**I**	**04 18 33 00.1**±.75	**34.4N**±.11	**136.68E**±.082	**361**±6.1	**3.4b**	**36**	**1-69**
JMA	I	04 18 33 00.1±.5	34.47N±.04	136.59E±.03	366±5			¶97i0570
NEIC	I	04 18 33 01.0	34.63N	137.89E	400			
EIDC	I	04 18 33 01.1	34.4N	136.7E	354	3.2b		
NEIC	Poor solution.							
ISC	**I**	**07 13 48 01.9**±.39	**35.93N**±.038	**136.60E**±.035	**10**		**36**	**0-3**
JMA	I	07 13 48 01.4±.0	35.92N±.00	136.63E±.00	10±2	3.1		¶97i0929
ISC	**I**	**08 13 36 28.7**±.60	**35.11N**±.027	**135.54E**±.022	**6**±5.2	**3.7b**	**88**	**0-82**
JMA	I	08 13 36 29.2±.0	35.15N±.00	135.52E±.00	15±1	4.0		¶97i1070
NEIC	I	08 13 36 31.3	35.11N	135.53E	66			
EIDC	I	08 13 36 32.9	36.0N	134.6E	37	3.2b,3.6L		
NEIC	Less reliable solution.							
ISC	**I**	**09 17 12 26.1**±.71	**35.83N**±.034	**136.69E**±.035	**2**±6.6		**48**	**0-3**
JMA	I	09 17 12 26.8±.0	35.83N±.00	136.70E±.00	11±1	3.3		¶97i1251
ISC	**I**	**12 23 07 43**±2.6	**35.6N**±.21	**136.2E**±.47	**337**		**16**	**1-6**
JMA	I	12 23 07 43.0±.2	35.61N±.02	136.20E±.04	337			¶97i1750
ISC	**I**	**13 15 10 34.7**±.36	**34.85N**±.037	**136.74E**±.035	**13**		**38**	**0-3**
JMA	I	13 15 10 34.3±.1	34.85N±.00	136.73E±.00	13±2	3.0		¶97i1856
ISC	**I**	**17 12 22 01**±2.1	**34.8N**±.25	**136.9E**±.42	**357**		**19**	**1-6**
JMA	I	17 12 22 01.0±.2	34.72N±.06	136.99E±.07	357			¶97i2449

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**17 16 24 17.2**±.50	**34.80N**±.044	**136.93E**±.039	**17**±8.3		**31**	**0-2**
JMA	I	17 16 24 17.4±.0	34.79N±.01	136.96E±.01	31±2	3.2		¶97i2490
ISC	**I**	**18 08 09 23**±1.3	**34.56N**±.065	**131.49E**±.059	**2**±10		**22**	**0-2**
JMA	I	18 08 09 24.1±.1	34.54N±.01	131.49E±.01	11±3	2.9		¶97i2631
ISC	**I**	**22 02 07 04.7**±.41	**34.57N**±.070	**136.97E**±.063	**344**±4.2	**3.1b**	**70**	**0-94**
NEIC	I	22 02 07 03.7	34.39N	136.97E	338			¶97i3267
JMA	I	22 02 07 04.6±.2	34.62N±.02	136.91E±.01	349±3			
EIDC	I	22 02 07 04.7	34.3N	137.0E	327	3.0b		
NEIC		Less reliable solution.						
ISC	**I**	**22 21 48 16**±2.1	**34.6N**±.17	**136.4E**±.32	**378**		**18**	**0-6**
JMA	I	22 21 48 15.1±.5	34.54N±.04	136.32E±.04	378±5			¶97i3389
ISC	**I**	**30 03 20 55.0**±.14	**34.87N**±.026	**136.21E**±.028	**359**±1.8	**4.2b**	**263**	**0-151**
BJI	I	30 03 20 53.9	34.83N	136.17E	357	4.8b		¶97i4432
MOS	I	30 03 20 54.9	34.9N	136.1E	350	4.4b		
NEIC	I	30 03 20 54.9	34.82N	136.09E	356	4.4b		
EIDC	I	30 03 20 55.3	34.7N	136.2E	347	3.6b		
JMA	I	30 03 20 56.0±.1	34.88N±.01	136.14E±.01	351±1			
ISC	**I**	**30 13 17 40.0**±.39	**35.83N**±.038	**136.32E**±.039	**9**		**33**	**0-3**
JMA	I	30 13 17 39.9±.1	35.84N±.00	136.34E±.01	9±2	3.0		¶97i4491
ISC	**I**	**30 23 56 24.3**±.60	**35.30N**±.046	**136.91E**±.045	**49**±16		**38**	**0-4**
JMA	I	30 23 56 24.4±.0	35.33N±.00	136.92E±.00	49±2	3.1		¶97i4565
ISC	**II**	**04 16 05 44.2**±.62	**35.84N**±.037	**136.73E**±.043	**4**±6.8		**27**	**0-2**
JMA	II	04 16 05 44.8±.1	35.83N±.00	136.72E±.01	10±2	2.8		¶97ii0560
ISC	**II**	**05 08 59 30**±1.2	**34.54N**±.069	**131.51E**±.065	**4**±9.7		**23**	**0-2**
JMA	II	05 08 59 30.7±.0	34.54N±.00	131.49E±.00	13±1	2.9		¶97ii0665
ISC	**II**	**08 20 06 02**±3.7	**35.3N**±.19	**137.0E**±.22	**325**±31		**32**	**0-5**
JMA	II	08 20 06 02.9±.5	35.36N±.03	136.95E±.03	319±4			¶97ii1197
ISC	**II**	**10 00 37 12.7**±.33	**35.29N**±.037	**135.78E**±.030	**11**		**40**	**0-3**
JMA	II	10 00 37 12.2±.0	35.31N±.01	135.78E±.00	11±3	3.5		¶97ii1391
ISC	**II**	**10 00 39 06.1**±.42	**35.31N**±.044	**135.80E**±.038	**12**		**26**	**0-3**
JMA	II	10 00 39 05.8±.0	35.31N±.00	135.79E±.00	12±2	3.2		¶97ii1392
ISC	**II**	**15 10 40 46.4**±.28	**34.70N**±.034	**136.06E**±.025	**67**±8.1		**77**	**0-19**
JMA	II	15 10 40 46.2±.1	34.70N±.01	136.04E±.01	65±2	3.0		¶97ii2217
NEIC	II	15 10 40 46.2	34.85N	135.94E	27			
EIDC	II	15 10 40 46.3	34.6N	136.2E	73	3.7L		
ISC	**II**	**22 22 33 28**±6.4	**35.0N**±.37	**136.1E**±.42	**375**±47		**24**	**1-6**
JMA	II	22 22 33 29.4±.1	34.96N±.04	136.19E±.04	363			¶97ii3262
ISC	**II**	**24 14 43 24.1**±.29	**35.05N**±.033	**135.78E**±.028	**14**		**52**	**0-3**
JMA	II	24 14 43 23.4±.0	35.06N±.00	135.81E±.00	14±2	3.3		¶97ii3492
ISC	**II**	**25 15 55 32.7**±.86	**34.93N**±.052	**132.82E**±.051	**5**±9.5		**26**	**0-2**
JMA	II	25 15 55 33.1±.0	34.93N±.00	132.82E±.00	13±1	2.9		¶97ii3654
ISC	**III**	**03 04 07 53.4**±.67	**35.62N**±.067	**135.78E**±.041	**10**		**24**	**0-2**
JMA	III	03 04 07 53.2±.1	35.61N±.01	135.75E±.00	10±2	2.9		¶97iii0471
ISC	**III**	**07 13 35 32.8**±.76	**34.68N**±.038	**132.86E**±.039	**8**±7.2		**36**	**0-3**
JMA	III	07 13 35 33.1±.0	34.69N±.00	132.84E±.00	18±1	3.4		¶97iii1524
ISC	**III**	**12 10 27 54.2**±.98	**34.83N**±.061	**132.17E**±.071	**2**±9.4		**19**	**0-2**
JMA	III	12 10 27 54.9±.0	34.83N±.00	132.16E±.00	10±1	2.8		¶97iii2514
ISC	**III**	**12 12 35 34.8**±.49	**34.95N**±.042	**132.82E**±.046	**12**		**27**	**0-2**
JMA	III	12 12 35 34.3±.0	34.93N±.00	132.83E±.00	12±1	2.8		¶97iii2539
ISC	**III**	**13 21 28 31.9**±.51	**35.00N**±.049	**136.60E**±.051	**35**±23		**22**	**0-2**
JMA	III	13 21 28 31.9±.0	35.03N±.01	136.61E±.01	37±2	3.0		¶97iii2771
ISC	**III**	**15 22 28 54.0**±.76	**35.57N**±.039	**136.97E**±.040	**1**±8.4		**27**	**0-2**
JMA	III	15 22 28 54.5±.0	35.56N±.00	136.97E±.00	13±2	2.9		¶97iii3120
ISC	**III**	**17 09 42 27**±2.0	**34.1N**±.25	**137.0E**±.31	**365**		**9**	**0-5**
JMA	III	17 09 42 27.0±.4	34.09N±.03	136.93E±.04	365±4			¶97iii3356
ISC	**III**	**20 00 39 28.9**±.99	**34.69N**±.060	**131.95E**±.071	**4**±8.2		**20**	**0-2**
JMA	III	20 00 39 29.4±.1	34.67N±.01	131.95E±.01	9±1	3.0		¶97iii3797
ISC	**III**	**23 04 19 27.8**±.85	**35.01N**±.043	**132.74E**±.049	**1**±8.2		**27**	**0-2**
JMA	III	23 04 19 28.1±.0	35.03N±.00	132.75E±.00	13±1	3.2		¶97iii4387
ISC	**III**	**31 01 31 25**±1.1	**34.81N**±.062	**132.14E**±.099	**6**		**15**	**0-2**
JMA	III	31 01 31 25.3±.1	34.80N±.01	132.13E±.01	6±3	2.8		¶97iii5826
ISC	**IV**	**02 08 44 36.7**±.80	**34.20N**±.042	**131.72E**±.043	**4**±7.6		**27**	**0-2**
JMA	IV	02 08 44 37.2±.0	34.19N±.00	131.73E±.00	10±2	2.9		¶97iv0213
ISC	**IV**	**04 23 11 00.6**±.39	**35.21N**±.038	**135.43E**±.039	**11**		**28**	**0-3**
JMA	IV	04 23 11 00.3±.0	35.21N±.00	135.45E±.00	11±1	3.0		¶97iv0669
ISC	**IV**	**05 06 54 02.0**±.73	**34.10N**±.047	**131.72E**±.060	**11**±7.7		**20**	**0-2**
JMA	IV	05 06 54 02.4±.0	34.09N±.00	131.73E±.00	14±1	2.8		¶97iv0717
ISC	**IV**	**05 07 44 15.6**±.73	**34.09N**±.043	**131.72E**±.055	**7**±7.2		**20**	**0-2**
JMA	IV	05 07 44 16.1±.0	34.09N±.00	131.73E±.01	14±2	2.8		¶97iv0728
ISC	**IV**	**06 08 31 01.9**±.57	**34.01N**±.046	**132.46E**±.046	**46**±15		**26**	**0-3**
JMA	IV	06 08 31 01.8±.0	34.01N±.00	132.47E±.01	47±1	2.8		¶97iv0969
ISC	**IV**	**07 13 58 03.5**±.65	**34.7N**±.14	**136.9E**±.13	**345**±9.3	**2.9b**	**30**	**1-58**
JMA	IV	07 13 58 03.0±.1	34.66N±.04	136.87E±.03	352			¶97iv1172
EIDC	IV	07 13 58 07.5	34.0N	138.3E	327	2.8b		
ISC	**IV**	**12 14 40 07.0**±.40	**35.31N**±.042	**135.17E**±.037	**12**		**34**	**0-3**
JMA	IV	12 14 40 06.3±.0	35.29N±.00	135.20E±.00	12±1	3.1		¶97iv2080
ISC	**IV**	**13 01 38 14.1**±.72	**34.37N**±.047	**136.03E**±.045	**2**±7.9		**25**	**0-3**
JMA	IV	13 01 38 14.5±.0	34.37N±.00	136.06E±.00	11±2	3.1		¶97iv2170
ISC	**IV**	**13 16 27 48.7**±.31	**35.06N**±.033	**135.69E**±.031	**13**		**42**	**0-3**
JMA	IV	13 16 27 48.1±.0	35.07N±.00	135.69E±.00	13±2	3.4		¶97iv2266
ISC	**IV**	**14 03 13 36.6**±.64	**35.87N**±.033	**136.92E**±.039	**3**±6.8		**31**	**0-3**
JMA	IV	14 03 13 37.3±.0	35.87N±.00	136.92E±.00	11±2	3.1		¶97iv2377
ISC	**IV**	**16 04 29 15.8**±.56	**34.95N**±.052	**132.86E**±.051	**14**		**39**	**0-4**
JMA	IV	16 04 29 14.4±.0	34.96N±.00	132.81E±.00	14±1	3.5		¶97iv2689
ISC	**IV**	**16 07 32 00.0**±.91	**34.84N**±.077	**131.23E**±.058	**7**		**21**	**1-2**
JMA	IV	16 07 32 00.0±.3	34.83N±.01	131.25E±.01	7±3	2.9		¶97iv2716
ISC	**IV**	**20 14 01 56.8**±.49	**34.50N**±.046	**136.89E**±.046	**34**±16		**32**	**0-3**
JMA	IV	20 14 01 56.5±.0	34.51N±.01	136.88E±.01	40±1	2.9		¶97iv3323
ISC	**IV**	**21 15 34 38**±3.9	**35.8N**±.14	**135.8E**±.29	**366**±28		**52**	**1-11**
JMA	IV	21 15 34 40.4±.5	35.81N±.03	135.91E±.04	346±4			¶97iv3522
ISC	**IV**	**23 19 16 09.0**±.73	**34.93N**±.046	**132.82E**±.049	**1**±8.0		**25**	**0-2**
JMA	IV	23 19 16 09.4±.0	34.93N±.00	132.82E±.00	14±1	2.8		¶97iv4017
ISC	**IV**	**27 02 59 45**±1.1	**35.23N**±.053	**132.78E**±.046	**5**±8.3		**41**	**0-3**
JMA	IV	27 02 59 45.2±.1	35.23N±.01	132.73E±.01	13±2	3.5		¶97iv4649
ISC	**IV**	**27 09 36 59.3**±.90	**35.24N**±.050	**132.74E**±.049	**1**±7.7		**29**	**0-3**
JMA	IV	27 09 36 59.6±.0	35.23N±.00	132.71E±.01	13±2	3.1		¶97iv4697
ISC	**IV**	**27 10 08 45.4**±.97	**35.22N**±.072	**132.73E**±.070	**7**±9.9		**14**	**0-2**
JMA	IV	27 10 08 45.6±.0	35.23N±.00	132.71E±.00	12±1	2.8		¶97iv4706
ISC	**IV**	**29 19 45 51.3**±.78	**35.41N**±.039	**136.39E**±.037	**6**±7.7		**31**	**0-2**
JMA	IV	29 19 45 51.8±.0	35.42N±.00	136.37E±.00	14±2	2.9		¶97iv5114
ISC	**IV**	**30 17 42 33**±1.1	**35.69N**±.071	**134.36E**±.045	**2**±8.5		**26**	**0-2**
JMA	IV	30 17 42 33.7±.0	35.66N±.00	134.37E±.00	14±1	2.9		¶97iv5238
ISC	**V**	**01 20 22 00.9**±.71	**34.74N**±.039	**132.51E**±.042	**9**±6.7		**35**	**0-3**
JMA	V	01 20 22 01.4±.0	34.74N±.00	132.50E±.00	18±1	3.1		¶97v0148
ISC	**V**	**03 12 26 03.6**±.75	**34.65N**±.044	**131.95E**±.044	**2**±6.5		**33**	**0-3**
JMA	V	03 12 26 04.0±.0	34.64N±.00	131.95E±.00	9±1	3.2		¶97v0439
ISC	**V**	**03 15 43 00.6**±.44	**34.96N**±.040	**132.83E**±.044	**14**		**29**	**0-2**
JMA	V	03 15 42 59.9±.0	34.94N±.00	132.82E±.00	14±1	3.2		¶97v0453
ISC	**V**	**03 22 56 26.8**±.49	**34.96N**±.044	**132.82E**±.046	**13**		**26**	**0-3**
JMA	V	03 22 56 26.2±.0	34.93N±.00	132.82E±.00	13±1	2.9		¶97v0513
ISC	**V**	**05 21 07 03.7**±.49	**35.39N**±.035	**136.65E**±.031	**31**±6.0		**51**	**0-4**
JMA	V	05 21 07 03.5±.0	35.40N±.00	136.66E±.00	41±1	3.4		¶97v0848
ISC	**V**	**06 17 00 42.1**±.52	**34.31N**±.049	**136.33E**±.045	**7**		**29**	**0-3**
JMA	V	06 17 00 41.8±.0	34.31N±.01	136.30E±.01	7±2	2.8		¶97v0988
ISC	**V**	**16 06 05 17.5**±.86	**35.10N**±.044	**132.79E**±.046	**1**±8.1		**34**	**0-3**
JMA	V	16 06 05 17.8±.0	35.09N±.00	132.75E±.00	12±1	3.2		¶97v2730
ISC	**V**	**19 06 35 49.2**±.59	**34.59N**±.058	**136.86E**±.054	**30**±7.2		**22**	**0-2**
JMA	V	19 06 35 49.1±.1	34.59N±.01	136.86E±.01	34±2	2.9		¶97v3212
ISC	**V**	**19 19 51 39.7**±.67	**35.69N**±.036	**136.95E**±.033	**0**±7.0		**35**	**0-4**
JMA	V	19 19 51 40.3±.0	35.71N±.00	136.93E±.00	12±2	2.9		¶97v3300
ISC	**VI**	**01 08 53 36**±1.6	**34.6N**±.27	**136.4E**±.32	**368**		**15**	**0-4**
JMA	VI	01 08 53 35.4±.1	34.50N±.04	136.53E±.05	368			¶97vi0046
ISC	**VI**	**01 10 51 00**±1.5	**34.43N**±.075	**130.86E**±.055	**0**±11		**19**	**0-2**
JMA	VI	01 10 51 00.8±.1	34.43N±.01	130.88E±.00	9±2	2.8		¶97vi0062
ISC	**VI**	**01 17 27 31.7**±.43	**34.96N**±.039	**132.85E**±.042	**13**		**31**	**0-3**
JMA	VI	01 17 27 31.0±.0	34.93N±.00	132.84E±.00	13±2	3.2		¶97vi0117
ISC	**VI**	**03 03 14 25.3**±.55	**35.02N**±.047	**132.76E**±.048	**13**		**26**	**0-2**
JMA	VI	03 03 14 24.9±.0	34.99N±.00	132.77E±.00	13±1	2.9		¶97vi0378
ISC	**VI**	**03 04 21 22.4**±.78	**34.98N**±.048	**132.78E**±.050	**1**±8.7		**23**	**0-2**
JMA	VI	03 04 21 22.9±.0	34.99N±.00	132.77E±.00	11±2	3.0		¶97vi0386
ISC	**VI**	**07 13 31 12.5**±.92	**35.86N**±.037	**135.91E**±.040	**0**±7.6		**43**	**0-3**
JMA	VI	07 13 31 13.4±.1	35.85N±.00	135.93E±.00	10±2	3.3		¶97vi1101
ISC	**VI**	**12 18 41 03.7**±.91	**35.26N**±.049	**132.76E**±.048	**4**±7.5		**33**	**0-3**
JMA	VI	12 18 41 04.0±.0	35.23N±.00	132.71E±.00	13±1	3.0		¶97vi1884
ISC	**VI**	**15 03 11 28.3**±.62	**35.04N**±.033	**135.82E**±.032	**0**±6.3		**36**	**0-3**
JMA	VI	15 03 11 29.0±.0	35.05N±.00	135.82E±.00	12±2	3.1		¶97vi2226
ISC	**VI**	**17 05 00 18.6**±.94	**34.20N**±.047	**131.45E**±.044	**13**±8.3		**24**	**0-2**
JMA	VI	17 05 00 18.7±.1	34.19N±.01	131.44E±.01	20±2	2.9		¶97vi2555
ISC	**VI**	**19 03 18 34.1**±.67	**34.22N**±.066	**136.39E**±.052	**23**±6.8		**32**	**0-3**
JMA	VI	19 03 18 33.7±.1	34.20N±.01	136.45E±.01	31±2	2.9		¶97vi2866
ISC	**VI**	**20 03 19 00.3**±.37	**35.08N**±.036	**135.57E**±.038	**15**		**30**	**0-3**
JMA	VI	20 03 19 00.0±.0	35.08N±.00	135.57E±.00	15±2	3.2		¶97vi3000
ISC	**VI**	**20 18 27 22.9**±.58	**35.50N**±.041	**136.02E**±.037	**3**±5.8		**31**	**0-3**
JMA	VI	20 18 27 23.2±.0	35.51N±.00	135.99E±.00	8±1	2.9		¶97vi3096
ISC	**VI**	**25 09 50 13.4**±.62	**34.42N**±.017	**131.60E**±.017	**13**±4.0	**5.4b,5.8s**	**587**	**0-169**
EIDC	VI	25 09 50 12.1	34.3N	131.7E	0	4.7b,5.6s		¶97vi3882
BJI	VI	25 09 50 12.4	34.43N	131.67E	11	5.5b,6.0s		
NEIC	VI	25 09 50 12.4	34.40N	131.60E	10	5.5b,5.6s		
JMA	VI	25 09 50 12.7±.1	34.44N±.01	131.67E±.01	8±3	6.3		
MOS	VI	25 09 50 15.4	34.5N	131.6E	27	5.7b,5.9s		
HRVD	VI	25 09 50 16.7±.1	34.43N±.01	131.35E±.02	15			
NEIC		Mw5.9(GS), Mw5.9(HRV). Casualties I=VII MM, landslide/avalanche observed.						
NEIC		One person slightly injured in Yamaguchi Prefecture. Felt I=V J in western Shimane and IV J in northern Hiroshima and eastern Shimane Prefectures. A landslide occurred near Masuda.						
NEIC		Moment tensor solution: s18, scale 10^{17}Nm; M_{rr}0.38; $M_{\theta\theta}$8.61; $M_{\phi\phi}$−8.99; $M_{r\theta}$0.64; $M_{r\phi}$−1.50; $M_{\theta\phi}$−1.78. Depth 12km; Principal axes: T 8.86,Plg5°,Azm6°; N 0.52,Plg80°, Azm129°; P −9.38,Plg8°,Azm275°. Best double couple: $M_0$9.1×10^{17}Nm; NP1:ϕ_s51°,δ80°, λ−178°. NP2:ϕ_s321°,δ88°,λ−10°.						
JMA		Felt I= V J1						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c99; Mantle waves: s9,c18; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.53±.07; $M_{\theta\theta}$6.54±.08; $M_{\phi\phi}$−6.01±.09; $M_{r\theta}$2.38±.25; $M_{r\phi}$0.63±.21; $M_{\theta\phi}$−0.64±.07. Principal Axes: T 7.28,Plg17°,Azm2°; N −1.13,Plg71°,Azm210°; P −6.15,Plg8°,Azm94°. Best double couple: $M_0$6.7×10^{17}Nm, NP1:ϕ_s139°,δ72°,λ6°. NP2:ϕ_s47°,δ84°,λ162°.						
JMA	**VI**	**25 09 54 16.1**±.4	**34.42N**±.01	**131.74E**±.03	**5**	**3.2**		¶97vi3884
ISC	**VI**	**25 09 55 21**±4.9	**34.4N**±.32	**131.6E**±.21	**4**±22		**6**	**0-1**
JMA	VI	25 09 55 21.3±.3	34.39N±.02	131.64E±.01	3	3.4		¶97vi3886
ISC	**VI**	**25 09 55 43**±2.3	**34.3N**±.13	**131.6E**±.12	**0**±12		**11**	**0-2**
JMA	VI	25 09 55 42.4±.5	34.38N±.03	131.64E±.03	8±4	3.9		¶97vi3887
ISC	**VI**	**25 09 57 37**±1.0	**34.45N**±.059	**131.64E**±.070	**1**±10		**18**	**0-3**
JMA	VI	25 09 57 38.1±.1	34.44N±.01	131.64E±.01	9±3	3.3		¶97vi3888
ISC	**VI**	**25 09 58 10.5**±.45	**35.26N**±.047	**135.89E**±.040	**13**		**23**	**0-3**
JMA	VI	25 09 58 10.2±.0	35.28N±.00	135.90E±.00	13±1	3.0		¶97vi3889
ISC	**VI**	**25 09 58 21.9**±.91	**34.47N**±.040	**131.68E**±.041	**1**±7.5		**39**	**0-6**
JMA	VI	25 09 58 22.7±.0	34.46N±.00	131.69E±.00	13±1	4.0		¶97vi3890
ISC	**VI**	**25 09 59 58**±1.0	**34.45N**±.079	**131.67E**±.092	**10**±13		**7**	**0-1**
JMA	VI	25 09 59 58.5±.0	34.44N±.00	131.68E±.00	12±2	3.0		¶97vi3891
ISC	**VI**	**25 10 02 11**±4.0	**34.5N**±.20	**131.7E**±.20	**6**±13		**11**	**0-2**
JMA	VI	25 10 02 11.9±.3	34.48N±.02	131.67E±.02	12±3	3.1		¶97vi3892
JMA	**VI**	**25 10 05 03.7**±.4	**34.45N**±.02	**131.65E**±.02	**12**	**2.9**		¶97vi3893
JMA	**VI**	**25 10 05 15.1**±.9	**34.44N**±.03	**131.70E**±.06	**0**	**2.9**		¶97vi3894
ISC	**VI**	**25 10 06 05.2**±.90	**34.43N**±.040	**131.67E**±.039	**1**±7.5		**40**	**0-3**
JMA	VI	25 10 06 05.8±.1	34.44N±.01	131.66E±.01	10±3	3.3		¶97vi3895
ISC	**VI**	**25 10 07 16.2**±.94	**34.41N**±.046	**131.61E**±.047	**1**±8.2		**27**	**0-3**
JMA	VI	25 10 07 16.8±.0	34.41N±.00	131.64E±.00	12±1	2.9		¶97vi3896
ISC	**VI**	**25 10 11 12.8**±.52	**34.43N**±.046	**131.62E**±.049	**9**		**26**	**0-3**
JMA	VI	25 10 11 12.7±.1	34.43N±.01	131.63E±.01	9±3	3.0		¶97vi3897
ISC	**VI**	**25 10 18 40**±1.0	**34.47N**±.059	**131.65E**±.075	**7**±9.8		**18**	**0-2**
JMA	VI	25 10 18 40.3±.1	34.45N±.01	131.67E±.01	11±2	2.8		¶97vi3899
ISC	**VI**	**25 10 19 13.3**±.49	**34.43N**±.043	**131.67E**±.047	**10**		**29**	**0-3**
JMA	VI	25 10 19 12.7±.1	34.44N±.01	131.65E±.01	10±2	3.2		¶97vi3900
ISC	**VI**	**25 10 21 20.5**±.91	**34.44N**±.043	**131.64E**±.044	**2**±7.8		**29**	**0-3**
JMA	VI	25 10 21 21.2±.1	34.43N±.01	131.65E±.01	11±3	2.9		¶97vi3901
ISC	**VI**	**25 10 24 39.0**±.62	**34.46N**±.051	**131.62E**±.054	**10**		**27**	**0-3**
JMA	VI	25 10 24 38.8±.1	34.43N±.01	131.64E±.01	10±3	2.8		¶97vi3903
ISC	**VI**	**25 10 29 38.1**±.97	**34.43N**±.073	**131.66E**±.084	**11**±11		**9**	**0-1**
JMA	VI	25 10 29 38.5±.0	34.43N±.00	131.66E±.00	13±1	2.8		¶97vi3905
ISC	**VI**	**25 10 30 02.0**±.91	**34.45N**±.043	**131.65E**±.043	**8**±7.4		**47**	**0-5**
JMA	VI	25 10 30 02.2±.0	34.44N±.00	131.68E±.00	13±1	3.5		¶97vi3906
ISC	**VI**	**25 10 37 39**±15	**34.5N**±.90	**131.7E**±.57	**11**		**4**	**0-1**
JMA	VI	25 10 37 40.8±.2	34.42N±.01	131.65E±.01	11	2.8		¶97vi3907
ISC		Poorly determined						
ISC	**VI**	**25 10 40 15.3**±.58	**34.46N**±.048	**131.69E**±.054	**12**		**26**	**0-3**
JMA	VI	25 10 40 14.8±.0	34.46N±.00	131.70E±.00	12±1	2.8		¶97vi3908
ISC	**VI**	**25 10 41 45.1**±.96	**34.44N**±.073	**131.68E**±.085	**11**±11		**9**	**0-1**
JMA	VI	25 10 41 45.5±.0	34.44N±.00	131.68E±.00	12±1	2.8		¶97vi3909
ISC	**VI**	**25 10 45 28.1**±.46	**34.42N**±.043	**131.66E**±.042	**12**		**35**	**0-3**
JMA	VI	25 10 45 27.4±.0	34.43N±.00	131.66E±.00	12±2	3.2		¶97vi3910
ISC	**VI**	**25 10 49 06.6**±.42	**34.43N**±.040	**131.65E**±.042	**12**		**33**	**0-3**
JMA	VI	25 10 49 06.1±.0	34.43N±.00	131.65E±.00	12±2	3.2		¶97vi3912
ISC	**VI**	**25 10 49 43.2**±.90	**34.43N**±.040	**131.69E**±.040	**2**±7.3		**47**	**0-4**
JMA	VI	25 10 49 43.6±.0	34.45N±.00	131.69E±.00	10±1	3.6		¶97vi3913
JMA	**VI**	**25 10 50 48.1**±.1	**34.43N**±.00	**131.69E**±.01	**6**±1	**3.0**		¶97vi3914
ISC	**VI**	**25 10 59 24.4**±.93	**34.44N**±.038	**131.70E**±.039	**2**±7.8		**49**	**0-4**
JMA	VI	25 10 59 24.9±.0	34.45N±.00	131.69E±.00	13±1	3.5		¶97vi3916
ISC	**VI**	**25 11 02 29.7**±.93	**34.43N**±.053	**131.64E**±.049	**8**±8.7		**21**	**0-2**
JMA	VI	25 11 02 30.2±.1	34.41N±.01	131.64E±.01	13±2	3.2		¶97vi3917

ISC	**VI**	**25 11 15 47.9**±.97	**34.44N**±.047	**131.67E**±.053	**1**±8.5		**28**	**0-3**
JMA	VI	25 11 15 48.5±.0	34.44N±.00	131.67E±.00	11±1	2.9		¶97vi3920
ISC	**VI**	**25 11 24 01.5**±.86	**34.44N**±.042	**131.69E**±.044	**1**±7.5		**33**	**0-3**
JMA	VI	25 11 24 02.0±.0	34.45N±.00	131.69E±.00	10±1	3.2		¶97vi3922
ISC	**VI**	**25 11 25 15.5**±.55	**34.43N**±.047	**131.62E**±.050	**10**		**27**	**0-3**
JMA	VI	25 11 25 15.3±.1	34.43N±.01	131.64E±.01	10±3	2.8		¶97vi3924
ISC	**VI**	**25 11 48 01.1**±.39	**34.42N**±.038	**131.68E**±.039	**10**		**42**	**0-4**
JMA	VI	25 11 48 00.5±.0	34.44N±.00	131.67E±.00	10±1	3.3		¶97vi3929
ISC	**VI**	**25 11 49 44.6**±.44	**34.44N**±.040	**131.67E**±.043	**12**		**34**	**0-3**
JMA	VI	25 11 49 44.1±.0	34.45N±.00	131.69E±.00	12±1	3.2		¶97vi3930
ISC	**VI**	**25 12 13 30.9**±.93	**34.44N**±.042	**131.69E**±.047	**0**±8.1		**31**	**0-3**
JMA	VI	25 12 13 31.5±.1	34.45N±.01	131.68E±.01	11±2	3.1		¶97vi3932
ISC	**VI**	**25 12 15 27.6**±.92	**34.41N**±.039	**131.64E**±.041	**0**±7.8		**36**	**0-3**
JMA	VI	25 12 15 28.3±.0	34.43N±.00	131.65E±.00	11±1	3.3		¶97vi3933
ISC	**VI**	**25 12 54 02.6**±.91	**34.42N**±.043	**131.67E**±.043	**1**±8.0		**29**	**0-3**
JMA	VI	25 12 54 03.2±.0	34.43N±.00	131.66E±.00	9±2	3.0		¶97vi3936
ISC	**VI**	**25 12 54 24.4**±.80	**34.43N**±.061	**131.62E**±.074	**15**		**22**	**0-2**
JMA	VI	25 12 54 24.4±.1	34.42N±.01	131.65E±.01	15±3	2.9		¶97vi3937
ISC	**VI**	**25 12 59 45.2**±.95	**34.43N**±.067	**131.66E**±.080	**11**±11		**13**	**0-2**
JMA	VI	25 12 59 45.5±.1	34.43N±.00	131.66E±.01	13±2	2.8		¶97vi3938
ISC	**VI**	**25 13 02 17.6**±.98	**34.43N**±.063	**131.67E**±.071	**7**±11		**15**	**0-2**
JMA	VI	25 13 02 18.0±.0	34.43N±.00	131.66E±.00	9±1	2.8		¶97vi3941
ISC	**VI**	**25 13 25 11.9**±.58	**34.43N**±.048	**131.59E**±.052	**10**		**30**	**0-4**
JMA	VI	25 13 25 11.7±.1	34.41N±.00	131.63E±.01	10±2	2.8		¶97vi3945
ISC	**VI**	**25 13 58 22.9**±.47	**34.42N**±.044	**131.66E**±.042	**10**		**38**	**0-4**
JMA	VI	25 13 58 22.4±.0	34.44N±.00	131.68E±.00	10±2	3.5		¶97vi3951
ISC	**VI**	**25 14 00 02**±3.4	**34.47N**±.095	**131.8E**±.29	**4**±14		**9**	**0-2**
JMA	VI	25 14 00 01.1±.2	34.45N±.00	131.74E±.02	3±2	2.9		¶97vi3952
ISC	**VI**	**25 14 36 09**±1.2	**34.44N**±.068	**131.67E**±.083	**12**±11		**11**	**0-2**
JMA	VI	25 14 36 09.4±.0	34.44N±.00	131.68E±.00	13±1	2.9		¶97vi3959
ISC	**VI**	**25 14 37 03.2**±.95	**34.43N**±.047	**131.65E**±.050	**2**±8.6		**22**	**0-2**
JMA	VI	25 14 37 03.8±.0	34.43N±.00	131.65E±.00	10±1	3.1		¶97vi3961
ISC	**VI**	**25 14 50 12**±1.0	**34.47N**±.052	**131.67E**±.064	**1**±9.4		**19**	**0-2**
JMA	VI	25 14 50 12.8±.1	34.46N±.01	131.68E±.01	11±2	3.0		¶97vi3963
ISC	**VI**	**25 14 52 28.3**±.53	**34.42N**±.044	**131.69E**±.049	**10**		**34**	**0-4**
JMA	VI	25 14 52 27.7±.0	34.45N±.00	131.69E±.00	10±1	3.6		¶97vi3966
ISC	**VI**	**25 15 21 59.1**±.53	**34.44N**±.045	**131.65E**±.048	**11**		**27**	**0-3**
JMA	VI	25 15 21 58.8±.1	34.45N±.01	131.67E±.01	11±2	2.9		¶97vi3971
ISC	**VI**	**25 15 25 41.8**±.86	**34.45N**±.042	**131.70E**±.043	**3**±7.4		**31**	**0-3**
JMA	VI	25 15 25 42.3±.0	34.46N±.00	131.70E±.00	12±1	3.1		¶97vi3973
ISC	**VI**	**25 15 27 13**±1.1	**34.44N**±.058	**131.65E**±.056	**0**±10		**19**	**0-3**
JMA	VI	25 15 27 13.2±.0	34.44N±.00	131.67E±.00	10±1	2.8		¶97vi3974
ISC	**VI**	**25 15 34 51.8**±.53	**34.44N**±.046	**131.66E**±.049	**9**		**24**	**0-3**
JMA	VI	25 15 34 51.7±.0	34.44N±.00	131.67E±.00	9±1	2.9		¶97vi3976
ISC	**VI**	**25 15 35 26.3**±.97	**34.44N**±.049	**131.67E**±.061	**1**±8.8		**28**	**0-3**
JMA	VI	25 15 35 26.9±.0	34.45N±.00	131.67E±.00	9±2	3.0		¶97vi3978
ISC	**VI**	**25 16 34 48.0**±.90	**34.42N**±.039	**131.67E**±.040	**1**±7.3		**49**	**0-6**
JMA	VI	25 16 34 48.4±.0	34.43N±.00	131.67E±.00	11±1	3.6		¶97vi3984
ISC	**VI**	**25 16 36 07.4**±.74	**34.46N**±.055	**131.65E**±.070	**9**		**17**	**0-2**
JMA	VI	25 16 36 07.5±.1	34.45N±.01	131.67E±.01	9±3	3.0		¶97vi3985
ISC	**VI**	**25 16 46 25.9**±.91	**34.42N**±.038	**131.67E**±.041	**0**±7.5		**46**	**0-4**
JMA	VI	25 16 46 26.4±.1	34.44N±.01	131.67E±.01	9±3	3.5		¶97vi3988
ISC	**VI**	**25 17 47 56.7**±.92	**34.43N**±.051	**131.68E**±.055	**3**±8.4		**24**	**0-2**
JMA	VI	25 17 47 57.2±.0	34.44N±.00	131.67E±.00	12±1	2.8		¶97vi3996
ISC	**VI**	**25 17 49 49**±1.0	**34.45N**±.059	**131.68E**±.068	**2**±9.6		**23**	**0-2**
JMA	VI	25 17 49 49.8±.0	34.44N±.00	131.69E±.00	10±1	2.8		¶97vi3998
ISC	**VI**	**25 18 16 47.8**±.92	**34.46N**±.046	**131.67E**±.045	**2**±8.0		**25**	**0-3**
JMA	VI	25 18 16 48.5±.0	34.45N±.00	131.68E±.00	13±1	2.9		¶97vi4001
ISC	**VI**	**25 18 26 21.1**±.88	**34.42N**±.048	**131.65E**±.054	**3**±7.7		**23**	**0-3**
JMA	VI	25 18 26 21.6±.0	34.42N±.00	131.65E±.00	14±1	3.0		¶97vi4002
ISC	**VI**	**25 18 34 32.8**±.90	**34.43N**±.042	**131.70E**±.043	**2**±7.8		**28**	**0-3**
JMA	VI	25 18 34 33.3±.0	34.44N±.00	131.68E±.00	14±1	3.2		¶97vi4003
ISC	**VI**	**25 18 40 01.9**±.96	**34.44N**±.066	**131.69E**±.071	**8**±10		**13**	**0-2**
JMA	VI	25 18 40 02.2±.0	34.45N±.00	131.68E±.00	13±1	2.9		¶97vi4005
ISC	**VI**	**25 18 49 45.1**±.48	**34.44N**±.043	**131.69E**±.046	**13**		**30**	**0-3**
JMA	VI	25 18 49 44.4±.0	34.45N±.00	131.68E±.00	13±1	3.1		¶97vi4007
ISC	**VI**	**25 19 00 05.5**±.52	**34.42N**±.045	**131.65E**±.050	**12**		**25**	**0-3**
JMA	VI	25 19 00 05.0±.0	34.42N±.00	131.65E±.00	12±2	3.0		¶97vi4009
ISC	**VI**	**25 20 34 19.2**±.51	**34.44N**±.045	**131.66E**±.047	**8**		**29**	**0-3**
JMA	VI	25 20 34 19.0±.1	34.44N±.01	131.65E±.01	8±3	2.8		¶97vi4027
ISC	**VI**	**25 21 22 48.9**±.45	**34.39N**±.042	**131.61E**±.042	**9**		**31**	**0-3**
JMA	VI	25 21 22 48.4±.1	34.41N±.00	131.62E±.00	9±2	2.9		¶97vi4032
ISC	**VI**	**25 21 23 35.9**±.52	**34.40N**±.045	**131.61E**±.050	**8**		**32**	**0-3**
JMA	VI	25 21 23 35.5±.1	34.41N±.01	131.61E±.01	8±3	3.4		¶97vi4033
ISC	**VI**	**25 22 23 14**±1.3	**34.45N**±.085	**131.66E**±.092	**15**±13		**9**	**0-1**
JMA	VI	25 22 23 14.6±.1	34.44N±.01	131.66E±.01	16±2	2.8		¶97vi4036
ISC	**VI**	**25 22 31 05.4**±.94	**34.43N**±.050	**131.66E**±.045	**5**±8.7		**25**	**0-2**
JMA	VI	25 22 31 05.8±.0	34.42N±.00	131.65E±.00	14±1	2.9		¶97vi4037
ISC	**VI**	**25 23 30 51.2**±.92	**34.40N**±.040	**131.62E**±.039	**0**±7.6		**40**	**0-6**
JMA	VI	25 23 30 51.9±.0	34.41N±.00	131.63E±.00	10±2	3.5		¶97vi4042
ISC	**VI**	**25 23 33 10.0**±.90	**34.43N**±.051	**131.63E**±.050	**2**±7.9		**23**	**0-2**
JMA	VI	25 23 33 10.6±.0	34.42N±.00	131.64E±.00	11±1	3.0		¶97vi4044
ISC	**VI**	**25 23 55 28.7**±.42	**34.44N**±.040	**131.70E**±.039	**11**		**44**	**0-4**
JMA	VI	25 23 55 28.1±.0	34.45N±.00	131.69E±.00	11±1	3.6		¶97vi4049
ISC	**VI**	**26 00 02 04.4**±.90	**34.44N**±.042	**131.68E**±.042	**2**±7.6		**33**	**0-3**
JMA	VI	26 00 02 05.0±.0	34.45N±.00	131.69E±.00	12±1	3.5		¶97vi4050
ISC	**VI**	**26 00 21 53.8**±.96	**34.45N**±.048	**131.63E**±.045	**6**±8.3		**29**	**0-2**
JMA	VI	26 00 21 54.3±.1	34.44N±.01	131.65E±.01	11±2	3.0		¶97vi4053
ISC	**VI**	**26 02 45 31.7**±.44	**34.42N**±.044	**131.67E**±.044	**11**		**54**	**0-6**
JMA	VI	26 02 45 31.0±.0	34.43N±.00	131.67E±.00	11±1	4.0		¶97vi4074
ISC	**VI**	**26 05 36 13.3**±.95	**34.44N**±.043	**131.66E**±.043	**2**±7.9		**36**	**0-4**
JMA	VI	26 05 36 14.0±.0	34.44N±.00	131.67E±.00	14±2	3.4		¶97vi4089
ISC	**VI**	**26 07 48 40.0**±.89	**34.44N**±.051	**131.69E**±.053	**4**±8.6		**18**	**0-2**
JMA	VI	26 07 48 40.4±.0	34.44N±.00	131.67E±.00	13±1	3.1		¶97vi4100
ISC	**VI**	**26 10 28 10.9**±.93	**34.45N**±.053	**131.69E**±.058	**2**±8.6		**21**	**0-2**
JMA	VI	26 10 28 11.5±.1	34.45N±.01	131.68E±.01	11±2	2.8		¶97vi4119
ISC	**VI**	**26 10 56 05.1**±.43	**34.39N**±.041	**131.69E**±.039	**11**		**39**	**0-4**
JMA	VI	26 10 56 04.1±.0	34.43N±.00	131.67E±.00	11±1	3.2		¶97vi4125
ISC	**VI**	**26 12 01 22.0**±.43	**34.43N**±.044	**131.66E**±.040	**9**		**56**	**0-6**
JMA	VI	26 12 01 21.6±.0	34.42N±.00	131.65E±.00	9±2	3.9		¶97vi4134
ISC	**VI**	**26 12 14 42.7**±.49	**34.45N**±.044	**131.62E**±.044	**10**		**31**	**0-3**
JMA	VI	26 12 14 42.7±.1	34.43N±.01	131.65E±.01	10±3	3.1		¶97vi4138
ISC	**VI**	**26 12 51 44**±1.0	**34.43N**±.067	**131.63E**±.075	**6**±10		**18**	**0-2**
JMA	VI	26 12 51 44.2±.0	34.42N±.00	131.64E±.00	12±1	2.9		¶97vi4143
ISC	**VI**	**26 13 34 00.3**±.97	**34.45N**±.050	**131.67E**±.052	**2**±9.4		**18**	**0-2**
JMA	VI	26 13 34 00.9±.1	34.45N±.01	131.66E±.01	12±3	2.9		¶97vi4145
ISC	**VI**	**26 13 38 20**±1.1	**34.34N**±.055	**131.21E**±.047	**10**±9.1		**28**	**0-3**
JMA	VI	26 13 38 19.8±.1	34.33N±.01	131.21E±.01	13±1	3.1		¶97vi4146
ISC	**VI**	**26 16 51 42.3**±.49	**34.44N**±.043	**131.68E**±.046	**8**		**28**	**0-3**
JMA	VI	26 16 51 42.1±.1	34.45N±.01	131.68E±.01	8±3	3.1		¶97vi4173
ISC	**VI**	**26 17 56 43.4**±.42	**34.43N**±.040	**131.66E**±.038	**10**		**45**	**0-4**
JMA	VI	26 17 56 42.8±.0	34.45N±.00	131.66E±.00	10±1	3.5		¶97vi4179
ISC	**VI**	**26 20 38 38.7**±.54	**34.46N**±.049	**131.62E**±.048	**8**		**23**	**0-2**
JMA	VI	26 20 38 38.6±.2	34.44N±.01	131.63E±.01	8±4	2.8		¶97vi4199
ISC	**VI**	**27 01 39 33.2**±.48	**34.45N**±.045	**131.68E**±.044	**9**		**28**	**0-3**
JMA	VI	27 01 39 32.8±.1	34.45N±.01	131.68E±.01	9±2	2.9		¶97vi4220
ISC	**VI**	**27 04 28 14.0**±.96	**34.45N**±.053	**131.67E**±.058	**2**±9.4		**20**	**0-2**
JMA	VI	27 04 28 14.6±.1	34.45N±.01	131.67E±.01	11±2	2.8		¶97vi4237
ISC	**VI**	**27 19 44 52.2**±.49	**34.44N**±.043	**131.68E**±.046	**8**		**29**	**0-3**
JMA	VI	27 19 44 51.8±.1	34.45N±.01	131.68E±.01	8±2	2.9		¶97vi4361
ISC	**VI**	**28 00 39 29.9**±.96	**34.43N**±.065	**131.67E**±.080	**9**±10		**16**	**0-2**
JMA	VI	28 00 39 30.3±.0	34.44N±.00	131.67E±.00	13±1	2.8		¶97vi4387
ISC	**VI**	**28 05 49 52**±1.0	**34.46N**±.058	**131.68E**±.067	**1**±9.8		**16**	**0-2**
JMA	VI	28 05 49 52.7±.1	34.45N±.01	131.68E±.01	9±3	2.8		¶97vi4428
ISC	**VI**	**28 10 49 46.0**±.47	**34.45N**±.043	**131.64E**±.042	**9**		**30**	**0-3**
JMA	VI	28 10 49 45.6±.1	34.45N±.01	131.65E±.01	9±2	3.4		¶97vi4464
ISC	**VI**	**28 11 48 07**±1.0	**34.45N**±.056	**131.64E**±.060	**2**±10		**19**	**0-2**
JMA	VI	28 11 48 07.7±.0	34.44N±.00	131.66E±.00	10±2	2.8		¶97vi4472
ISC	**VI**	**28 16 00 30.7**±.69	**34.45N**±.049	**131.65E**±.066	**10**		**25**	**0-3**
JMA	VI	28 16 00 30.7±.1	34.45N±.01	131.69E±.01	10±2	2.8		¶97vi4501
ISC	**VI**	**28 16 20 11**±1.0	**34.44N**±.048	**131.63E**±.048	**0**±9.3		**24**	**0-3**
JMA	VI	28 16 20 11.4±.1	34.44N±.00	131.65E±.01	7±2	2.8		¶97vi4503
ISC	**VI**	**29 02 00 18.8**±.50	**34.44N**±.044	**131.66E**±.046	**9**		**27**	**0-3**
JMA	VI	29 02 00 18.6±.1	34.44N±.01	131.68E±.01	9±3	2.8		¶97vi4552
ISC	**VI**	**29 03 44 20.0**±.46	**34.42N**±.041	**131.66E**±.044	**9**		**28**	**0-3**
JMA	VI	29 03 44 19.4±.1	34.45N±.01	131.65E±.01	9±3	2.8		¶97vi4562
ISC	**VI**	**29 14 01 26.1**±.95	**34.43N**±.044	**131.64E**±.044	**1**±8.3		**27**	**0-3**
JMA	VI	29 14 01 26.8±.0	34.42N±.00	131.64E±.00	11±1	2.9		¶97vi4633
ISC	**VI**	**29 22 04 17.3**±.67	**34.74N**±.039	**136.81E**±.035	**32**±7.9		**40**	**0-4**
JMA	VI	29 22 04 17.0±.1	34.75N±.01	136.82E±.01	41±2	3.4		¶97vi4669
ISC	**VI**	**30 17 26 36.9**±.94	**34.44N**±.044	**131.62E**±.044	**1**±8.1		**30**	**0-70**
JMA	VI	30 17 26 37.7±.1	34.43N±.01	131.64E±.01	11±3	2.8		¶97vi4799
ISC	**VI**	**30 20 21 00.3**±.38	**34.45N**±.037	**131.72E**±.037	**11**		**49**	**0-4**
JMA	VI	30 20 20 59.5±.0	34.45N±.00	131.70E±.00	11±1	3.6		¶97vi4820

(233) Near south coast of Southern Honshū.

ISC	**I**	**03 20 07 39**±1.1	**34.82N**±.042	**133.91E**±.047	**14**±11		**22**	**0-2**
JMA	I	03 20 07 39.5±.0	34.81N±.00	133.91E±.00	17±1	2.8		¶97i0421
ISC	**I**	**04 01 51 19**±1.2	**33.83N**±.084	**135.04E**±.066	**52**±22		**19**	**0-2**
JMA	I	04 01 51 18.6±.1	33.85N±.01	135.05E±.01	52±3	2.9		¶97i0459
ISC	**I**	**07 06 41 31**±2.5	**33.7N**±.23	**136.1E**±.10	**434**±24		**39**	**1-7**
JMA	I	07 06 41 32.0±.4	33.76N±.04	136.09E±.02	429±4			¶97i0890
ISC	**I**	**08 05 35 19.2**±.32	**33.81N**±.043	**135.44E**±.028	**63**±10		**78**	**0-5**
NEIC	I	08 05 35 18.9	33.84N	135.41E	33			¶97i1026
JMA	I	08 05 35 19.5±.1	33.85N±.01	135.42E±.01	59±2	3.7		
NEIC	Single network solution.							
ISC	**I**	**09 05 18 44.3**±.76	**34.11N**±.044	**135.12E**±.044	**2**±9.3		**21**	**0-2**
JMA	I	09 05 18 44.9±.1	34.11N±.01	135.12E±.01	10±3	3.0		¶97i1172
ISC	**I**	**09 07 13 40.8**±.90	**33.59N**±.081	**135.36E**±.057	**14**		**16**	**0-2**
JMA	I	09 07 13 40.5±.2	33.62N±.01	135.34E±.01	14±3	3.0		¶97i1183
ISC	**I**	**13 13 06 16.5**±.39	**34.78N**±.036	**134.62E**±.038	**11**		**28**	**0-2**
JMA	I	13 13 06 16.4±.0	34.78N±.00	134.61E±.00	11±1	2.8		¶97i1842
ISC	**I**	**15 22 15 35.9**±.65	**34.49N**±.036	**134.96E**±.044	**1**±8.3		**23**	**0-2**
JMA	I	15 22 15 36.6±.1	34.48N±.00	134.97E±.00	9±2	2.8		¶97i2217
ISC	**I**	**16 12 27 01.7**±.95	**34.01N**±.067	**135.56E**±.059	**52**±17		**27**	**0-3**
JMA	I	16 12 27 01.5±.1	34.02N±.01	135.56E±.01	53±2	2.9		¶97i2309
ISC	**I**	**19 21 06 09.0**±.75	**33.84N**±.053	**135.41E**±.047	**6**±6.4		**23**	**0-2**
JMA	I	19 21 06 09.2±.1	33.85N±.01	135.41E±.01	11±2	3.0		¶97i2888
ISC	**I**	**20 23 22 55.0**±.61	**33.91N**±.052	**135.61E**±.040	**25**±6.8		**39**	**0-3**
JMA	I	20 23 22 54.7±.1	33.90N±.01	135.65E±.01	33±2	3.5		¶97i3101
ISC	**I**	**21 00 56 57.4**±.67	**34.95N**±.046	**134.67E**±.046	**1**±9.6		**20**	**0-2**
JMA	I	21 00 56 58.0±.0	34.96N±.00	134.68E±.00	8±1	2.8		¶97i3112
ISC	**I**	**21 17 56 37.6**±.38	**34.14N**±.038	**135.15E**±.035	**11**		**35**	**0-3**
JMA	I	21 17 56 37.0±.0	34.13N±.00	135.12E±.00	11±2	3.2		¶97i3213
ISC	**I**	**22 11 50 51.4**±.67	**34.02N**±.066	**134.84E**±.061	**53**±12	2.8b	**19**	**0-69**
JMA	I	22 11 50 51.3±.1	34.03N±.01	134.83E±.01	52±2	2.8		¶97i3323
ISC	**I**	**22 13 43 25.2**±.76	**34.48N**±.036	**134.99E**±.046	**7**±8.1		**23**	**0-2**
JMA	I	22 13 43 25.6±.1	34.47N±.00	134.98E±.00	10±2	3.0		¶97i3339
ISC	**I**	**23 07 33 27.2**±.33	**34.51N**±.032	**134.93E**±.034	**11**		**37**	**0-3**
JMA	I	23 07 33 27.0±.0	34.50N±.00	134.90E±.00	11±1	3.3		¶97i3459
ISC	**I**	**27 16 02 54.2**±.61	**33.80N**±.060	**135.08E**±.042	**47**±16		**42**	**0-4**
JMA	I	27 16 02 53.5±.1	33.79N±.01	135.09E±.01	53±2	3.2		¶97i4102
ISC	**I**	**27 22 32 39.4**±.75	**34.69N**±.035	**134.28E**±.034	**2**±7.7		**34**	**0-3**
JMA	I	27 22 32 40.1±.0	34.69N±.00	134.25E±.00	14±2	3.2		¶97i4135
ISC	**I**	**27 23 22 30.2**±.92	**34.69N**±.038	**134.25E**±.047	**11**±9.3		**20**	**0-2**
JMA	I	27 23 22 30.5±.0	34.69N±.00	134.25E±.00	13±2	2.9		¶97i4141
ISC	**I**	**30 01 51 08.2**±.37	**34.21N**±.037	**135.15E**±.034	**10**		**36**	**0-3**
JMA	I	30 01 51 07.7±.0	34.21N±.00	135.14E±.00	10±2	3.2		¶97i4425
ISC	**II**	**03 15 08 53.9**±.59	**34.05N**±.054	**135.72E**±.042	**41**±17		**37**	**0-3**
JMA	II	03 15 08 53.2±.1	34.05N±.01	135.74E±.01	50±2	3.2		¶97ii0393
ISC	**II**	**04 07 31 13**±1.2	**33.7N**±.10	**136.95E**±.077	**19**±13		**16**	**1-2**
JMA	II	04 07 31 13.2±.0	33.67N±.02	136.96E±.01	30±5	3.1		¶97ii0484
ISC	**II**	**05 08 25 33**±1.5	**33.9N**±.10	**135.33E**±.087	**62**±20		**12**	**0-2**
JMA	II	05 08 25 32.9±.2	33.90N±.01	135.34E±.01	60±3	2.2		¶97ii0661
ISC	**II**	**08 19 54 11**±1.9	**33.9N**±.12	**135.4E**±.12	**63**±24		**15**	**0-2**
JMA	II	08 19 54 11.2±.1	33.92N±.01	135.41E±.01	60±2	2.3		¶97ii1195
ISC	**II**	**09 16 28 25.0**±.14	**34.93N**±.030	**135.30E**±.027	**388**±1.7	**4.3b**	**285**	**0-161**
MOS	II	09 16 28 23.8	34.9N	135.2E	374	4.6b		¶97ii1332
BJI	II	09 16 28 24.0	34.83N	135.28E	393	4.9b		
NEIC	II	09 16 28 24.4	34.77N	135.24E	388	4.6b		
JMA	II	09 16 28 24.8±.1	34.87N±.01	135.30E±.01	395±1	5.2		
EIDC	II	09 16 28 24.8	34.8N	135.3E	382	3.9b		
ISC	**II**	**11 14 16 41.6**±.94	**33.62N**±.080	**135.04E**±.059	**41**±28		**23**	**0-2**
JMA	II	11 14 16 41.2±.1	33.62N±.01	135.04E±.01	47±2	3.0		¶97ii1635
ISC	**II**	**15 03 21 10.1**±.75	**33.92N**±.059	**135.36E**±.056	**57**±13		**34**	**0-5**
JMA	II	15 03 21 09.9±.1	33.93N±.01	135.37E±.01	58±2	2.9		¶97ii2166
ISC	**II**	**15 07 05 30.9**±.75	**33.81N**±.072	**135.65E**±.059	**41**	3.6b	**23**	**0-69**
JMA	II	15 07 05 30.8±.1	33.83N±.01	135.66E±.01	41±2	2.9		¶97ii2187
ISC	**II**	**18 12 08 55.5**±.76	**34.28N**±.056	**135.69E**±.050	**56**±14		**28**	**0-3**
JMA	II	18 12 08 55.3±.1	34.27N±.00	135.69E±.01	57±1	2.9		¶97ii2641
ISC	**II**	**19 02 33 46**±1.4	**33.98N**±.072	**136.16E**±.072	**13**±11		**27**	**0-69**
JMA	II	19 02 33 46.0±.1	33.98N±.01	136.17E±.01	20±2	3.2		¶97ii2725
ISC	**II**	**20 10 11 20**±1.1	**34.18N**±.058	**135.44E**±.073	**72**±15		**28**	**0-3**
JMA	II	20 10 11 19.8±.1	34.18N±.01	135.45E±.01	69±2			¶97ii2905
ISC	**II**	**22 05 49 31.0**±.91	**34.54N**±.039	**134.92E**±.066	**11**±9.5		**18**	**0-2**
JMA	II	22 05 49 31.3±.0	34.54N±.00	134.92E±.00	13±2	2.8		¶97ii3175
ISC	**II**	**24 16 44 15.5**±.59	**33.81N**±.056	**135.26E**±.045	**51**±13		**51**	**0-4**
JMA	II	24 16 44 15.0±.1	33.83N±.01	135.30E±.01	55±2	3.0		¶97ii3508
ISC	**III**	**02 16 28 39.5**±.88	**34.04N**±.040	**135.32E**±.035	**6**±8.4		**48**	**0-4**
JMA	III	02 16 28 39.9±.0	34.03N±.00	135.32E±.01	15±2	3.6		¶97iii0353

Agency	Origin Time mo	d	h	m	s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**03**	**00**	**19**	**52.4**±.54	**33.80N**±.056	**135.00E**±.048	**41**±22		**48**	**0-5**
JMA	III	03	00	19	51.8±.1	33.80N±.01	135.03E±.01	52±3	3.4	¶97iii0433	
ISC	**III**	**05**	**07**	**11**	**40**±2.2	**34.34N**±.087	**135.6E**±.12	**59**±35		**13**	**0-2**
JMA	III	05	07	11	39.4±.1	34.34N±.01	135.58E±.01	61±2		¶97iii1005	
ISC	**III**	**06**	**10**	**24**	**44.7**±.99	**34.16N**±.090	**135.69E**±.091	**101**±11	3.1b	**19**	**0-69**
JMA	III	06	10	24	47.2±.1	34.20N±.01	135.61E±.01	68±2		¶97iii1248	
ISC	**III**	**07**	**17**	**05**	**50.3**±.53	**33.84N**±.052	**135.06E**±.043	**17**		**27**	**0-2**
JMA	III	07	17	05	49.6±.1	33.83N±.01	135.01E±.00	17±2	2.9	¶97iii1555	
ISC	**III**	**08**	**08**	**32**	**32.0**±.37	**34.80N**±.035	**134.61E**±.037	**12**		**30**	**0-2**
JMA	III	08	08	32	31.7±.0	34.78N±.00	134.60E±.00	12±2	2.8	¶97iii1711	
ISC	**III**	**08**	**15**	**17**	**13**±2.2	**33.5N**±.15	**135.8E**±.17	**24**±8.3		**14**	**0-2**
JMA	III	08	15	17	11.8±.3	33.47N±.02	135.82E±.02	29±2	2.9	¶97iii1776	
ISC	**III**	**10**	**19**	**21**	**04.7**±.99	**34.65N**±.054	**135.97E**±.062	**65**±16		**29**	**0-3**
JMA	III	10	19	21	04.5±.1	34.65N±.01	135.97E±.01	64±2		¶97iii2260	
ISC	**III**	**11**	**18**	**38**	**50.2**±.40	**34.61N**±.036	**135.08E**±.040	**14**		**25**	**0-2**
JMA	III	11	18	38	49.8±.0	34.60N±.00	135.05E±.00	14±2	3.0	¶97iii2428	
ISC	**III**	**14**	**07**	**13**	**02.5**±.38	**34.74N**±.036	**135.23E**±.038	**13**		**27**	**0-2**
JMA	III	14	07	13	02.2±.0	34.73N±.00	135.22E±.00	13±2	3.0	¶97iii2832	
ISC	**III**	**14**	**19**	**08**	**46.5**±.77	**34.05N**±.051	**135.32E**±.056	**5**±11		**17**	**0-2**
JMA	III	14	19	08	46.9±.0	34.04N±.00	135.32E±.00	11±1	2.8	¶97iii2935	
ISC	**III**	**17**	**08**	**37**	**17.4**±.82	**34.21N**±.044	**135.12E**±.050	**1**±11		**20**	**0-2**
JMA	III	17	08	37	18.1±.0	34.21N±.00	135.13E±.00	11±2	2.9	¶97iii3346	
ISC	**III**	**18**	**07**	**21**	**10.5**±.41	**34.15N**±.042	**135.14E**±.038	**11**		**36**	**0-3**
JMA	III	18	07	21	09.9±.0	34.15N±.00	135.13E±.00	11±2	3.3	¶97iii3502	
ISC	**III**	**18**	**11**	**11**	**44.4**±.95	**34.65N**±.038	**134.40E**±.041	**5**±9.4		**26**	**0-2**
JMA	III	18	11	11	44.9±.0	34.66N±.00	134.40E±.00	14±2	3.0	¶97iii3522	
ISC	**III**	**18**	**14**	**20**	**13.8**±.78	**34.15N**±.046	**135.13E**±.046	**3**±9.5		**20**	**0-2**
JMA	III	18	14	20	14.5±.0	34.15N±.00	135.13E±.00	11±2	2.8	¶97iii3549	
ISC	**III**	**19**	**17**	**58**	**45.2**±.70	**34.96N**±.038	**135.46E**±.033	**4**±6.6		**40**	**0-3**
JMA	III	19	17	58	45.8±.0	34.97N±.00	135.46E±.00	16±2	3.1	¶97iii3743	
ISC	**III**	**19**	**20**	**13**	**57.4**±.59	**34.60N**±.056	**135.94E**±.080	**62**		**18**	**0-2**
JMA	III	19	20	13	57.3±.1	34.60N±.00	135.93E±.01	62±2		¶97iii3760	
ISC	**III**	**19**	**21**	**08**	**09.5**±.30	**34.91N**±.032	**135.54E**±.030	**15**		**49**	**0-4**
JMA	III	19	21	08	08.8±.0	34.92N±.00	135.55E±.00	15±2	3.4	¶97iii3767	
ISC	**III**	**20**	**16**	**54**	**47**±2.2	**33.8N**±.21	**136.9E**±.29	**400**		**21**	**2-7**
JMA	III	20	16	54	47.1±.3	33.87N±.05	136.88E±.06	400		¶97iii3924	
ISC	**III**	**21**	**02**	**59**	**14.5**±.37	**34.18N**±.036	**134.42E**±.037	**12**		**33**	**0-3**
JMA	III	21	02	59	14.0±.0	34.17N±.00	134.40E±.00	12±2	3.2	¶97iii3989	
ISC	**III**	**21**	**07**	**39**	**56.5**±.99	**33.80N**±.088	**135.30E**±.066	**15**±8.5		**12**	**0-1**
JMA	III	21	07	39	56.6±.1	33.81N±.01	135.29E±.01	15±2	2.8	¶97iii4033	
ISC	**III**	**21**	**10**	**02**	**58.9**±.93	**34.65N**±.039	**134.40E**±.045	**7**±9.5		**23**	**0-2**
JMA	III	21	10	02	59.3±.0	34.66N±.00	134.39E±.00	12±2	2.8	¶97iii4053	
ISC	**III**	**21**	**15**	**36**	**27.9**±.36	**34.92N**±.034	**135.54E**±.037	**13**		**31**	**0-3**
JMA	III	21	15	36	27.3±.0	34.92N±.00	135.55E±.00	13±2	2.9	¶97iii4093	
ISC	**III**	**22**	**02**	**03**	**55.9**±.37	**34.62N**±.036	**135.04E**±.038	**16**		**28**	**0-3**
JMA	III	22	02	03	55.5±.0	34.61N±.00	135.03E±.00	16±2	3.2	¶97iii4182	
ISC	**III**	**26**	**23**	**09**	**23.6**±.62	**34.19N**±.057	**135.84E**±.043	**73**±12		**40**	**0-3**
JMA	III	26	23	09	23.8±.1	34.20N±.01	135.83E±.01	68±2		¶97iii5094	
ISC	**III**	**28**	**13**	**25**	**39**±4.4	**34.2N**±.15	**135.4E**±.18	**70**±48		**7**	**0-1**
JMA	III	28	13	25	39.6±.3	34.20N±.02	135.39E±.02	66±3		¶97iii5443	
ISC	**III**	**29**	**21**	**44**	**22.2**±.62	**34.84N**±.031	**135.53E**±.033	**0**±6.2		**37**	**0-3**
JMA	III	29	21	44	22.9±.0	34.85N±.00	135.53E±.00	14±2	3.5	¶97iii5650	
ISC	**III**	**30**	**00**	**23**	**50.6**±.48	**34.17N**±.043	**135.11E**±.044	**8**		**20**	**0-2**
JMA	III	30	00	23	50.8±.1	34.18N±.00	135.10E±.00	8±2	2.9	¶97iii5669	
ISC	**III**	**30**	**01**	**51**	**28**±1.5	**33.7N**±.11	**135.11E**±.077	**47**±28		**14**	**0-2**
JMA	III	30	01	51	28.1±.1	33.73N±.01	135.11E±.01	49±3	2.8	¶97iii5676	
ISC	**III**	**30**	**13**	**08**	**49.3**±.41	**33.81N**±.066	**136.92E**±.069	**381**±3.3	**3.7b**	**84**	**1-83**
JMA	III	30	13	08	49.7±.3	33.79N±.03	136.87E±.02	377±3		¶97iii5763	
NEIC	III	30	13	08	50.2	33.86N	136.94E	400	3.9b		
EIDC	III	30	13	08	50.2	33.8N	137.0E	376	3.2b		
NEIC	Less reliable solution.										
ISC	**III**	**30**	**13**	**40**	**56.8**±.90	**34.23N**±.048	**135.45E**±.057	**2**±12		**20**	**0-2**
JMA	III	30	13	40	57.3±.0	34.21N±.00	135.46E±.00	8±1	2.8	¶97iii5764	
ISC	**IV**	**02**	**05**	**58**	**39.6**±.42	**34.05N**±.040	**135.35E**±.039	**10**		**34**	**0-3**
JMA	IV	02	05	58	39.0±.0	34.03N±.00	135.32E±.00	10±1	3.2	¶97iv0194	
ISC	**IV**	**05**	**02**	**30**	**05**±1.2	**34.38N**±.045	**133.07E**±.070	**14**±13		**14**	**0-1**
JMA	IV	05	02	30	04.6±.1	34.37N±.00	133.07E±.01	14±3	2.8	¶97iv0679	
ISC	**IV**	**05**	**08**	**24**	**19.4**±.31	**34.61N**±.036	**133.65E**±.032	**15**		**49**	**0-4**
JMA	IV	05	08	24	18.7±.0	34.60N±.00	133.60E±.00	15±2	3.8	¶97iv0737	
ISC	**IV**	**06**	**23**	**35**	**21.9**±.39	**34.94N**±.035	**135.54E**±.040	**11**		**29**	**0-2**
JMA	IV	06	23	35	21.5±.1	34.92N±.00	135.54E±.01	11±3	3.0	¶97iv1074	
ISC	**IV**	**07**	**06**	**19**	**07.7**±.78	**33.79N**±.066	**135.29E**±.054	**51**±15		**34**	**0-3**
JMA	IV	07	06	19	07.2±.1	33.82N±.01	135.32E±.01	55±2	3.3	¶97iv1113	
ISC	**IV**	**08**	**09**	**56**	**00**±1.6	**33.7N**±.14	**136.2E**±.12	**31**±12		**15**	**0-2**
JMA	IV	08	09	56	00.1±.1	33.71N±.01	136.21E±.01	40±3	2.8	¶97iv1310	
ISC	**IV**	**08**	**18**	**31**	**18.1**±.39	**34.21N**±.041	**135.16E**±.037	**11**		**43**	**0-4**
JMA	IV	08	18	31	17.5±.0	34.20N±.00	135.15E±.00	11±2	3.3	¶97iv1388	
ISC	**IV**	**11**	**23**	**56**	**48**±3.4	**34.2N**±.13	**135.6E**±.19	**75**±36		**8**	**0-1**
JMA	IV	11	23	56	48.2±.1	34.19N±.01	135.60E±.01	67±2		¶97iv1990	
ISC	**IV**	**15**	**03**	**42**	**16.1**±.70	**34.94N**±.045	**134.78E**±.042	**11**±6.9		**29**	**0-2**
JMA	IV	15	03	42	16.2±.0	34.92N±.00	134.79E±.00	13±1	2.9	¶97iv2548	
ISC	**IV**	**15**	**05**	**04**	**59.7**±.42	**34.22N**±.038	**135.19E**±.041	**11**		**28**	**0-2**
JMA	IV	15	05	04	59.1±.0	34.21N±.00	135.14E±.00	11±2	2.9	¶97iv2560	
ISC	**IV**	**15**	**05**	**15**	**33.5**±.37	**34.84N**±.035	**135.39E**±.039	**13**		**32**	**0-3**
JMA	IV	15	05	15	33.1±.0	34.83N±.00	135.39E±.00	13±2	2.9	¶97iv2563	
ISC	**IV**	**15**	**07**	**41**	**25.4**±.40	**34.21N**±.038	**135.18E**±.038	**10**		**29**	**0-2**
JMA	IV	15	07	41	25.0±.0	34.21N±.00	135.14E±.00	10±2	2.9	¶97iv2578	
ISC	**IV**	**16**	**10**	**01**	**11**±2.3	**34.7N**±.25	**135.9E**±.19	**63**		**5**	**0-1**
JMA	IV	16	10	01	10.5±.2	34.73N±.02	135.90E±.02	63		¶97iv2737	
ISC	**IV**	**17**	**13**	**05**	**17.5**±.34	**34.05N**±.038	**135.05E**±.030	**12**	**3.5b**	**54**	**0-69**
JMA	IV	17	13	05	16.7±.0	34.05N±.00	135.09E±.00	12±2	3.3	¶97iv2905	
NEIC	IV	17	13	05	17.9	33.77N	134.93E	33			
EIDC	IV	17	13	05	18.9	33.3N	134.7E	57	3.3L,3.0b		
NEIC	Less reliable solution.										
ISC	**IV**	**19**	**04**	**24**	**19.5**±.86	**33.87N**±.075	**135.43E**±.063	**51**±15		**26**	**0-2**
JMA	IV	19	04	24	19.1±.1	33.88N±.01	135.45E±.01	55±2	2.9	¶97iv3152	
ISC	**IV**	**19**	**11**	**13**	**24.3**±.84	**34.02N**±.062	**135.51E**±.061	**58**±15		**30**	**0-3**
JMA	IV	19	11	13	24.4±.1	34.04N±.01	135.51E±.01	56±2	2.8	¶97iv3193	
ISC	**IV**	**19**	**15**	**27**	**14**±1.1	**34.13N**±.078	**135.81E**±.057	**71**±15		**31**	**0-3**
JMA	IV	19	15	27	14.6±.1	34.15N±.01	135.80E±.01	64±2		¶97iv3214	
ISC	**IV**	**20**	**11**	**26**	**47.1**±.99	**33.40N**±.072	**135.30E**±.055	**24**±8.7		**40**	**0-4**
JMA	IV	20	11	26	47.1±.1	33.42N±.01	135.35E±.01	35±2	3.0	¶97iv3303	
ISC	**IV**	**22**	**10**	**31**	**57**±1.8	**34.17N**±.090	**135.60E**±.097	**69**±24		**16**	**0-2**
JMA	IV	22	10	31	57.4±.1	34.18N±.01	135.60E±.01	65±2		¶97iv3702	
ISC	**IV**	**26**	**13**	**10**	**52**±2.9	**33.5N**±.19	**136.3E**±.15	**23**±12		**13**	**0-2**
JMA	IV	26	13	10	53.1±.2	33.51N±.02	136.25E±.01	38±3	2.8	¶97iv4555	
ISC	**IV**	**27**	**14**	**17**	**07.5**±.42	**33.32N**±.068	**136.26E**±.044	**434**±3.2	**3.9b**	**159**	**1-84**
BJI	IV	27	14	17	00.2	32.99N	136.54E	374	5.0b	¶97iv4744	
NEIC	IV	27	14	17	01.5	32.79N	136.51E	400	4.0b		
EIDC	IV	27	14	17	02.1	32.9N	136.7E	388	3.4b		
JMA	IV	27	14	17	08.0±.1	33.41N±.02	136.19E±.01	434±1	4.8		
NEIC	Less reliable solution.										
ISC	**IV**	**29**	**07**	**05**	**19.8**±.51	**34.04N**±.048	**135.09E**±.046	**11**		**17**	**0-2**
JMA	IV	29	07	05	19.7±.1	34.05N±.00	135.09E±.01	11±3	2.9	¶97iv5033	
ISC	**V**	**04**	**03**	**28**	**19.4**±.51	**33.57N**±.059	**135.08E**±.044	**45**±22		**56**	**0-6**
JMA	V	04	03	28	19.4±.2	33.56N±.01	135.11E±.01	41±3	3.6	¶97v0551	
ISC	**V**	**06**	**13**	**22**	**40.8**±.34	**34.82N**±.035	**134.64E**±.033	**11**		**41**	**0-3**
JMA	V	06	13	22	40.3±.0	34.81N±.00	134.64E±.00	11±2	3.1	¶97v0969	
ISC	**V**	**08**	**01**	**34**	**00.9**±.53	**33.85N**±.063	**135.07E**±.044	**19**		**23**	**0-3**
JMA	V	08	01	34	00.2±.1	33.83N±.01	135.01E±.01	19±3	3.2	¶97v1165	
ISC	**V**	**13**	**04**	**19**	**04.5**±.69	**34.94N**±.033	**135.36E**±.031	**0**±6.6		**40**	**0-3**
JMA	V	13	04	19	05.2±.0	34.96N±.00	135.36E±.00	13±2	3.7	¶97v2123	
ISC	**V**	**13**	**06**	**46**	**14.7**±.64	**34.94N**±.036	**135.35E**±.037	**2**±7.2		**30**	**0-3**
JMA	V	13	06	46	15.4±.0	34.96N±.00	135.36E±.00	13±2	3.0	¶97v2174	
ISC	**V**	**13**	**17**	**37**	**31.7**±.31	**34.72N**±.035	**135.28E**±.029	**14**		**50**	**0-4**
JMA	V	13	17	37	31.1±.0	34.74N±.00	135.24E±.00	14±2	3.5	¶97v2282	
ISC	**V**	**14**	**07**	**57**	**19.0**±.41	**34.38N**±.037	**134.81E**±.042	**9**		**28**	**1-2**
JMA	V	14	07	57	18.7±.1	34.36N±.00	134.78E±.00	9±2	3.2	¶97v2411	
ISC	**V**	**15**	**03**	**51**	**41.9**±.43	**34.19N**±.047	**135.18E**±.041	**12**		**33**	**0-3**
JMA	V	15	03	51	41.0±.0	34.17N±.00	135.15E±.00	12±2	3.1	¶97v2556	
ISC	**V**	**15**	**15**	**37**	**44.5**±.84	**34.71N**±.037	**135.23E**±.033	**5**±7.3		**42**	**0-3**
JMA	V	15	15	37	45.1±.0	34.73N±.00	135.24E±.00	14±2	3.2	¶97v2639	
ISC	**V**	**16**	**16**	**34**	**52.8**±.44	**34.14N**±.044	**135.17E**±.041	**12**		**24**	**0-2**
JMA	V	16	16	34	52.4±.0	34.15N±.00	135.14E±.00	12±2	2.9	¶97v2805	
ISC	**V**	**19**	**07**	**53**	**46**±1.0	**34.12N**±.070	**135.54E**±.062	**55**±17		**21**	**0-2**
JMA	V	19	07	53	46.2±.1	34.12N±.01	135.55E±.01	56±2	3.0	¶97v3217	
ISC	**V**	**21**	**04**	**21**	**49.3**±.63	**34.14N**±.054	**135.82E**±.042	**68**±13		**42**	**0-3**
JMA	V	21	04	21	49.5±.1	34.15N±.01	135.81E±.01	63±2		¶97v3511	
ISC	**V**	**21**	**14**	**37**	**28.4**±.39	**34.70N**±.037	**135.18E**±.040	**15**		**32**	**0-3**
JMA	V	21	14	37	27.7±.0	34.68N±.00	135.13E±.00	15±2	3.0	¶97v3570	
ISC	**V**	**22**	**09**	**41**	**38.9**±.39	**34.47N**±.036	**134.81E**±.039	**8**		**29**	**1-2**
JMA	V	22	09	41	38.6±.0	34.45N±.00	134.78E±.00	8±1	3.0	¶97v3751	
ISC	**V**	**23**	**10**	**01**	**09.8**±.73	**34.28N**±.058	**135.80E**±.054	**46**±18		**26**	**0-2**
JMA	V	23	10	01	09.2±.1	34.28N±.01	135.83E±.01	53±2	2.8	¶97v3932	
ISC	**V**	**24**	**07**	**36**	**42**±2.2	**33.5N**±.18	**136.4E**±.13	**42**		**18**	**1-2**
JMA	V	24	07	36	42.0±.2	33.59N±.02	136.37E±.01	42±4	3.0	¶97v4075	
ISC	**V**	**29**	**02**	**40**	**43.5**±.61	**34.08N**±.044	**133.83E**±.047	**47**±19		**40**	**0-4**
JMA	V	29	02	40	43.0±.1	34.06N±.01	133.81E±.01	52±2	3.4	¶97v4803	
ISC	**V**	**29**	**08**	**27**	**52**±1.1	**33.93N**±.069	**135.66E**±.080	**56**±16		**28**	**0-3**
JMA	V	29	08	27	52.1±.1	33.93N±.01	135.65E±.01	57±2	2.8	¶97v4842	
ISC	**V**	**30**	**02**	**03**	**40.5**±.40	**34.52N**±.035	**134.93E**±.040	**8**		**26**	**0-2**
JMA	V	30	02	03	40.6±.0	34.53N±.00	134.92E±.00	8±1	2.9	¶97v4959	
ISC	**V**	**30**	**02**	**09**	**17.5**±.71	**34.14N**±.058	**135.86E**±.050	**46**±16		**38**	**0-3**
JMA	V	30	02	09	17.1±.1	34.14N±.01	135.85E±.01	50±2	3.0	¶97v4960	
ISC	**V**	**30**	**13**	**10**	**38.0**±.64	**33.85N**±.059	**135.85E**±.039	**50**±14		**43**	**0-3**
JMA	V	30	13	10	38.1±.1	33.89N±.01	135.84E±.01	48±2	3.2	¶97v5042	
ISC	**V**	**31**	**19**	**39**	**30.9**±.55	**33.76N**±.054	**135.13E**±.048	**51**±16		**50**	**0-5**
JMA	V	31	19	39	30.7±.1	33.78N±.01	135.16E±.01	52±2	3.0	¶97v5228	
ISC	**VI**	**01**	**10**	**56**	**46**±2.3	**33.3N**±.16	**135.48E**±.086	**21**±11		**19**	**0-3**
JMA	VI	01	10	56	45.8±.3	33.27N±.02	135.49E±.01	27±3	2.8	¶97vi0065	
ISC	**VI**	**01**	**13**	**46**	**46.5**±.79	**34.21N**±.042	**135.15E**±.044	**2**±9.8		**21**	**0-2**
JMA	VI	01	13	46	47.2±.1	34.20N±.00	135.15E±.00	8±2	2.8	¶97vi0092	
ISC	**VI**	**01**	**13**	**52**	**34.1**±.40	**34.20N**±.039	**135.16E**±.038	**9**		**29**	**0-3**
JMA	VI	01	13	52	33.8±.1	34.19N±.00	135.14E±.00	9±2	3.1	¶97vi0094	
ISC	**VI**	**01**	**18**	**20**	**00**±1.0	**33.88N**±.079	**136.17E**±.079	**17**±10		**25**	**0-3**
JMA	VI	01	18	20	00.3±.1	33.90N±.01	136.14E±.01	22±3	2.8	¶97vi0120	
ISC	**VI**	**03**	**09**	**58**	**26.2**±.43	**34.07N**±.041	**135.21E**±.040	**11**		**26**	**0-3**
JMA	VI	03	09	58	26.0±.0	34.08N±.00	135.19E±.00	11±2	3.0	¶97vi0423	
ISC	**VI**	**03**	**22**	**59**	**58.7**±.35	**34.23N**±.043	**135.14E**±.033	**11**		**53**	**0-4**
JMA	VI	03	22	59	57.8±.0	34.21N±.00	135.15E±.00	11±2	3.5	¶97vi0532	
ISC	**VI**	**05**	**08**	**50**	**35.1**±.32	**34.00N**±.039	**134.70E**±.031	**49**±14		**70**	**0-6**
JMA	VI	05	08	50	34.6±.1	34.00N±.01	134.71E±.01	52±2	3.5	¶97vi0739	
ISC	**VI**	**05**	**13**	**28**	**12.8**±.52	**34.01N**±.048	**134.72E**±.041	**43**±22		**38**	**0-3**
JMA	VI	05	13	28	12.3±.1	34.01N±.01	134.72E±.01	51±2	2.8	¶97vi0780	
ISC	**VI**	**12**	**01**	**24**	**28.1**±.69	**34.90N**±.032	**135.43E**±.030	**11**±6.0		**52**	**0-7**
JMA	VI	12	01	24	28.5±.0	34.90N±.00	135.43E±.00	15±2	3.9	¶97vi1784	
ISC	**VI**	**12**	**01**	**25**	**26.1**±.81	**34.90N**±.049	**135.43E**±.057	**9**±9.0		**18**	**0-2**
JMA	VI	12	01	25	26.4±.0	34.91N±.00	135.43E±.00	14±2	3.1	¶97vi1785	
ISC	**VI**	**13**	**20**	**55**	**42**±1.5	**34.9N**±.14	**135.52E**±.099	**399**±17		**45**	**0-7**
JMA	VI	13	20	55	43.3±.2	34.92N±.02	135.50E±.01	385±3		¶97vi2038	
ISC	**VI**	**14**	**02**	**33**	**01.0**±.69	**33.85N**±.064	**135.04E**±.048	**38**±23		**35**	**0-3**
JMA	VI	14	02	33	00.2±.1	33.82N±.01	135.03E±.01	50±2	2.9	¶97vi2078	
ISC	**VI**	**15**	**03**	**22**	**19**±2.4	**33.1N**±.35	**136.5E**±.33	**444**		**17**	**1-6**
JMA	VI	15	03	22	19.6±.3	33.27N±.08	136.25E±.06	444		¶97vi2229	
ISC	**VI**	**15**	**23**	**22**	**38.7**±.73	**33.32N**±.073	**135.15E**±.051	**41**±32		**41**	**1-4**
JMA	VI	15	23	22	38.7±.2	33.37N±.02	135.13E±.01	45±3	3.2	¶97vi2375	
ISC	**VI**	**16**	**22**	**40**	**43.3**±.37	**34.69N**±.036	**135.99E**±.036	**13**		**36**	**0-3**
JMA	VI	16	22	40	42.9±.0	34.71N±.00	136.01E±.00	13±2	3.2	¶97vi2518	
ISC	**VI**	**18**	**22**	**53**	**17.2**±.44	**34.02N**±.041	**135.34E**±.040	**10**		**30**	**0-3**
JMA	VI	18	22	53	17.0±.0	34.02N±.00	135.31E±.00	10±2	2.9	¶97vi2839	
ISC	**VI**	**19**	**03**	**37**	**13.6**±.35	**34.95N**±.035	**135.36E**±.036	**13**		**33**	**0-3**
JMA	VI	19	03	37	13.1±.0	34.96N±.00	135.36E±.00	13±2	3.1	¶97vi2867	
ISC	**VI**	**19**	**21**	**06**	**20.5**±.73	**34.61N**±.036	**135.03E**±.043	**3**±8.4		**27**	**0-2**
JMA	VI	19	21	06	21.2±.0	34.61N±.00	135.03E±.00	13±2	2.8	¶97vi2956	
ISC	**VI**	**21**	**04**	**42**	**56**±1.5	**33.6N**±.12	**135.15E**±.070	**46**±26		**18**	**0-3**
JMA	VI	21	04	42	55.9±.2	33.68N±.02	135.15E±.01	47±3	2.9	¶97vi3159	
ISC	**VI**	**21**	**16**	**51**	**08.4**±.40	**34.82N**±.037	**135.50E**±.041	**13**		**27**	**0-3**
JMA	VI	21	16	51	08.0±.0	34.83N±.00	135.50E±.00	13±2	2.8	¶97vi3249	
ISC	**VI**	**25**	**13**	**55**	**07**±2.2	**33.0N**±.24	**136.6E**±.27	**437**		**25**	**1-8**
JMA	VI	25	13	55	07.4±.3	33.06N±.05	136.56E±.07	437		¶97vi3949	
ISC	**VI**	**26**	**11**	**49**	**44.3**±.33	**34.26N**±.037	**135.44E**±.032	**9**		**47**	**0-5**
JMA	VI	26	11	49	43.6±.0	34.24N±.00	135.42E±.00	9±1	3.3	¶97vi4131	
ISC	**VI**	**27**	**22**	**51**	**07**±1.5	**33.8N**±.11	**135.35E**±.083	**46**±20		**15**	**0-2**
JMA	VI	27	22	51	06.9±.2	33.80N±.01	135.35E±.01	48±2	2.8	¶97vi4377	
ISC	**VI**	**28**	**05**	**11**	**43.4**±.40	**34.63N**±.038	**135.12E**±.039	**13**		**27**	**0-2**
JMA	VI	28	05	11	43.0±.0	34.65N±.00	135.15E±.00	13±2	3.1	¶97vi4423	
ISC	**VI**	**28**	**11**	**27**	**21.2**±.41	**34.81N**±.041	**135.12E**±.040	**14**		**27**	**0-3**
JMA	VI	28	11	27	20.8±.0	34.80N±.00	135.13E±.00	14±2	3.2	¶97vi4469	
ISC	**VI**	**29**	**02**	**35**	**29.1**±.66	**34.94N**±.035	**135.60E**±.041	**1**±7.0		**29**	**0-3**
JMA	VI	29	02	35	29.7±.0	34.94N±.00	135.59E±.00	14±2	3.0	¶97vi4557	

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JMA	**I**	**11**	**03**	**19**	**00.0**±.5	**31.72N**±.02	**128.82E**±.02	**7**	**2.8**	¶97i1455	
ISC	**I**	**16**	**20**	**05**	**06**±7.8	**31.6N**±.28	**128.7E**±.43	**1**±25		**10**	**1-2**
JMA	I	16	20	05	07.4±.3	31.58N±.01	128.68E±.02	19±4	3.1	¶97i2352	
ISC	**I**	**18**	**00**	**36**	**04**±2.6	**28.1N**±.14	**127.9E**±.21	**164**±30		**10**	**1-4**
JMA	I	18	00	36	05.1±.3	28.15N±.03	127.93E±.04	145		¶97i2571	

ISC	**I**	**18 03 39 45**±4.5	**27.5N**±.31	**126.8E**±.46	**132**		**6 1-3**
JMA	I	18 03 39 46.9±.4	27.39N±.03	126.96E±.04	132		¶97i2595
ISC	**II**	**12 17 04 47**±1.7	**29.30N**±.090	**127.7E**±.21	**247**±28		**22 2-6**
JMA	II	12 17 04 48.4±.3	29.29N±.02	127.77E±.05	233		¶97ii1795
ISC	**II**	**20 20 13 05**±5.9	**27.2N**±.54	**126.9E**±.47	**111**		**4 1-1**
JMA	II	20 20 13 05.7±.6	27.17N±.06	126.97E±.05	111		¶97ii2972
ISC		Poorly determined					
ISC	**II**	**21 13 27 41**±3.1	**27.0N**±.29	**126.9E**±.27	**106**		**6 1-4**
JMA	II	21 13 27 40.9±.4	27.02N±.03	126.89E±.02	106±4		¶97ii3077
ISC	**II**	**23 06 51 45**±3.5	**28.8N**±.45	**127.6E**±.23	**33**	3.6b	**4 12-91**
EIDC	II	23 06 51 40.8	28.6N	127.7E	0	3.7b,4.0L	¶97ii3304
ISC		Poorly determined					
ISC	**II**	**25 11 24 52**±6.8	**27.1N**±.43	**126.4E**±.66	**127**		**5 1-2**
JMA	II	25 11 24 52.1±.9	27.13N±.07	126.52E±.07	127		¶97ii3614
ISC	**III**	**10 22 37 18**±4.0	**29.0N**±.14	**128.7E**±.34	**2**		**4 1-1**
JMA	III	10 22 37 18.5±.2	29.03N±.01	128.72E±.02	2	3.1	¶97iii2271
ISC		Poorly determined					
JMA	**III**	**24 20 18 03.1**±.7	**27.16N**±.03	**126.81E**±.03	**14**	**3.0**	¶97iii4612
EIDC	**III**	**25 12 06 46.6**	**27.6N**	**126.9E**	**0**	**3.7b**	**48-64**
							¶97iii4722
JMA	**III**	**27 23 19 16.6**±6.7	**29.61N**±.03	**127.38E**±.16	**115**		¶97iii5329
ISC	**IV**	**01 11 35 38**±1.7	**29.16N**±.092	**127.4E**±.23	**174**		**16 2-8**
JMA	IV	01 11 35 41.0±.3	28.91N±.02	127.74E±.04	174		¶97iv0063
ISC	**IV**	**07 23 38 51**±6.2	**27.3N**±.58	**126.9E**±.63	**134**		**4 1-2**
JMA	IV	07 23 38 51.7±.4	27.26N±.04	126.92E±.04	134		¶97iv1244
ISC		Poorly determined					
ISC	**IV**	**11 11 00 55**±2.6	**27.2N**±.30	**126.3E**±.17	**196**±28		**13 1-5**
JMA	IV	11 11 00 56.4±.5	27.17N±.06	126.31E±.04	180		¶97iv1881
ISC	**IV**	**28 19 15 52**±2.2	**29.1N**±.19	**128.7E**±.36	**139**±58		**9 1-3**
JMA	IV	28 19 15 52.3±.2	29.05N±.01	128.70E±.03	130		¶97iv4971
ISC	**IV**	**29 18 50 53**±8.5	**27.2N**±.58	**126.5E**±.72	**122**		**5 1-2**
JMA	IV	29 18 50 53.4±.7	27.14N±.07	126.50E±.06	122		¶97iv5109
ISC	**IV**	**30 20 29 34**±4.5	**27.8N**±.39	**127.0E**±.36	**167**		**8 1-4**
JMA	IV	30 20 29 34.1±.4	27.79N±.04	126.95E±.04	167		¶97iv5261
ISC	**IV**	**30 22 31 35**±3.2	**27.3N**±.28	**126.8E**±.30	**147**		**9 1-4**
JMA	IV	30 22 31 34.7±.5	27.31N±.04	126.77E±.05	147		¶97iv5277
JMA	**V**	**04 18 37 48.2**±.1	**28.24N**±.02	**127.46E**±.02	**9**±4	**2.9**	¶97v0675
ISC	**V**	**06 05 17 42**±2.0	**28.4N**±.19	**128.0E**±.24	**134**		**7 1-2**
JMA	V	06 05 17 43.1±.3	28.38N±.03	128.06E±.04	134		¶97v0910
ISC	**V**	**10 20 42 49**±3.0	**30.7N**±.13	**128.4E**±.26	**16**		**13 1-3**
JMA	V	10 20 42 47.8±.4	30.72N±.02	128.38E±.03	16	2.9	¶97v1662
ISC	**VI**	**05 14 43 56**±3.2	**27.7N**±.19	**126.7E**±.36	**133**		**7 1-3**
JMA	VI	05 14 43 56.3±.4	27.70N±.03	126.79E±.04	133		¶97vi0790
ISC	**VI**	**16 23 02 23**±1.2	**27.3N**±.15	**126.8E**±.14	**176**±22		**16 1-4**
JMA	VI	16 23 02 23.6±.3	27.30N±.04	126.75E±.03	159		¶97vi2523
ISC	**VI**	**28 14 01 34**±1.9	**27.1N**±.23	**126.6E**±.24	**131**±39		**10 1-6**
JMA	VI	28 14 01 34.8±.3	27.05N±.02	126.67E±.03	121		¶97vi4482

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ISC	**I**	**01 00 15 51**±3.2	**31.7N**±.18	**129.1E**±.20	**4**		**7 1-2**
JMA	I	01 00 15 51.6±.5	31.75N±.03	129.16E±.03	4	2.8	¶97i0002
ISC	**I**	**01 11 13 27**±1.1	**31.34N**±.059	**131.1E**±.11	**59**±15		**17 0-3**
JMA	I	01 11 13 26.6±.1	31.34N±.00	131.12E±.01	60±1	3.2	¶97i0064
ISC	**I**	**01 21 06 48**±1.6	**31.31N**±.083	**130.5E**±.13	**159**±18		**19 0-4**
JMA	I	01 21 06 47.7±.4	31.26N±.02	130.47E±.03	161±3		¶97i0119
ISC	**I**	**03 09 57 24**±1.2	**30.53N**±.070	**130.9E**±.10	**8**±8.6		**15 0-3**
JMA	I	03 09 57 23.8±.3	30.53N±.02	130.88E±.03	13±3	3.1	¶97i0353
ISC	**I**	**03 10 16 53**±1.1	**30.55N**±.066	**130.83E**±.092	**5**±8.9		**17 0-3**
JMA	I	03 10 16 52.9±.3	30.54N±.02	130.88E±.03	13±3	3.4	¶97i0357
ISC	**I**	**03 13 56 17**±1.0	**30.85N**±.078	**131.84E**±.099	**54**		**19 1-3**
JMA	I	03 13 56 16.8±.3	30.87N±.01	131.81E±.03	54±4	3.0	¶97i0386
ISC	**I**	**03 19 58 35**±1.7	**30.52N**±.089	**130.9E**±.14	**6**±11		**10 0-2**
JMA	I	03 19 58 34.8±.2	30.50N±.01	130.95E±.02	8±2	2.9	¶97i0419
ISC	**I**	**03 22 20 20.3**±.73	**32.55N**±.039	**129.97E**±.052	**6**±6.7		**23 0-2**
JMA	I	03 22 20 20.7±.0	32.55N±.00	129.98E±.00	9±1	3.3	¶97i0440
ISC	**I**	**04 08 43 52**±1.6	**31.30N**±.083	**130.56E**±.093	**162**±15		**37 0-5**
JMA	I	04 08 43 53.0±.1	31.30N±.01	130.52E±.01	153±2		¶97i0505
ISC	**I**	**04 12 31 51.8**±.78	**33.82N**±.030	**131.17E**±.033	**2**±6.9	3.3b	**59 0-71**
EIDC	I	04 12 31 48.4	33.5N	131.1E	13	2.9L,3.1b	¶97i0537
JMA	I	04 12 31 52.4±.0	33.81N±.00	131.18E±.00	11±2	3.8	
NEIC	I	04 12 31 53.7	33.80N	131.15E	60		
NEIC		Less reliable solution.					
ISC	**I**	**04 14 00 57.5**±.39	**33.82N**±.036	**131.16E**±.036	**8**		**30 0-2**
JMA	I	04 14 00 57.3±.1	33.81N±.00	131.17E±.01	8±3	2.8	¶97i0544
ISC	**I**	**05 05 28 03**±1.3	**32.4N**±.32	**131.2E**±.21	**71**		**5 0-1**
JMA	I	05 05 28 02.7±.4	32.34N±.02	131.24E±.01	71±4		¶97i0621
ISC		Poorly determined					
ISC	**I**	**05 08 19 55**±1.6	**30.59N**±.072	**131.1E**±.16	**26**±13		**14 1-3**
JMA	I	05 08 19 54.9±.3	30.60N±.02	131.11E±.03	46±5	3.4	¶97i0641
ISC	**I**	**05 19 40 19**±1.1	**31.02N**±.060	**130.3E**±.13	**170**±13		**34 0-5**
JMA	I	05 19 40 19.6±.3	31.05N±.01	130.27E±.03	169±4		¶97i0703
ISC	**I**	**05 20 09 05**±1.5	**32.6N**±.15	**130.64E**±.090	**12**±12		**6 0-1**
JMA	I	05 20 09 05.3±.0	32.57N±.01	130.65E±.00	13±1	2.8	¶97i0705
ISC	**I**	**06 01 41 49**±8.1	**31.8N**±.63	**129.2E**±.55	**7**		**4 0-1**
JMA	I	06 01 41 49.3±.5	31.76N±.04	129.20E±.03	7	2.8	¶97i0734
ISC		Poorly determined					
ISC	**I**	**06 02 03 03.9**±.64	**30.11N**±.053	**130.8E**±.10	**58**±28		**31 1-5**
JMA	I	06 02 03 04.5±.0	30.16N±.00	130.58E±.02	64±2		¶97i0736
ISC	**I**	**07 09 01 28.2**±.94	**31.82N**±.051	**131.02E**±.064	**110**±13		**36 0-4**
JMA	I	07 09 01 28.9±.2	31.83N±.01	130.99E±.02	101±3		¶97i0903
ISC	**I**	**07 13 15 00**±3.8	**31.7N**±.24	**129.2E**±.23	**8**±22		**6 0-2**
JMA	I	07 13 15 00.4±.2	31.72N±.02	129.17E±.02	11±3	2.8	¶97i0924
ISC	**I**	**07 18 32 53**±2.7	**31.70N**±.082	**131.8E**±.26	**30**±12		**11 0-2**
JMA	I	07 18 32 52.4±.2	31.69N±.01	131.82E±.02	44±3	2.9	¶97i0962
ISC	**I**	**08 02 10 02**±4.4	**31.7N**±.13	**130.8E**±.24	**125**±45		**8 0-1**
JMA	I	08 02 10 02.0±.2	31.66N±.01	130.75E±.01	120±2		¶97i1005
ISC	**I**	**08 03 29 43**±4.5	**31.1N**±.15	**131.5E**±.43	**28**±17		**5 0-1**
JMA	I	08 03 29 41.7±.3	31.09N±.01	131.56E±.03	36±3	3.0	¶97i1013
ISC		Poorly determined					
ISC	**I**	**09 03 55 21**±1.7	**31.32N**±.085	**130.53E**±.096	**167**±16		**34 0-5**
JMA	I	09 03 55 22.1±.2	31.33N±.01	130.51E±.02	161±2		¶97i1164
ISC	**I**	**09 12 08 01.1**±.70	**32.6N**±.11	**131.0E**±.25	**164**		**11 0-2**
JMA	I	09 12 08 01.3±.2	32.55N±.01	131.02E±.02	164±2		¶97i1211
ISC	**I**	**09 17 17 43**±1.6	**30.57N**±.079	**131.2E**±.15	**27**±9.3		**17 0-3**
JMA	I	09 17 17 42.6±.3	30.58N±.02	131.18E±.03	35±2	3.1	¶97i1252
ISC	**I**	**09 17 48 11**±2.2	**30.5N**±.14	**130.9E**±.18	**8**±15		**6 0-1**
JMA	I	09 17 48 10.8±.4	30.48N±.03	130.90E±.03	7	2.8	¶97i1258
ISC	**I**	**10 01 28 27**±1.1	**30.65N**±.093	**130.8E**±.11	**8**±15		**6 0-1**
JMA	I	10 01 28 27.5±.1	30.63N±.01	130.83E±.01	5	2.9	¶97i1289
ISC	**I**	**10 01 53 12**±11	**31.2N**±.50	**131.7E**±.74	**25**±23		**5 0-1**
JMA	I	10 01 53 13.0±.3	31.24N±.01	131.64E±.02	29±2	2.8	¶97i1294
ISC		Poorly determined					
ISC	**I**	**10 05 34 30**±1.4	**31.4N**±.17	**130.5E**±.37	**154**		**7 0-2**
JMA	I	10 05 34 30.5±.4	31.35N±.02	130.52E±.03	154±4		¶97i1318
ISC	**I**	**10 10 18 44.4**±.34	**33.15N**±.033	**131.18E**±.033	**7**		**33 0-2**
JMA	I	10 10 18 44.2±.0	33.15N±.00	131.20E±.00	7±2	3.2	¶97i1345
ISC	**I**	**10 10 58 09**±2.5	**30.5N**±.13	**131.0E**±.17	**4**±11		**10 0-2**
JMA	I	10 10 58 09.2±.2	30.50N±.01	130.97E±.02	8±2	3.1	¶97i1350
ISC	**I**	**10 20 40 19**±1.1	**31.89N**±.046	**131.88E**±.052	**21**±11		**38 1-4**
JMA	I	10 20 40 19.4±.2	31.92N±.01	131.88E±.02	25	3.1	¶97i1421
ISC	**I**	**10 21 22 52.0**±.37	**33.14N**±.034	**131.19E**±.036	**5**		**30 0-2**
JMA	I	10 21 22 51.9±.0	33.15N±.00	131.19E±.00	5±2	2.8	¶97i1428
ISC	**I**	**11 01 33 56**±2.2	**30.6N**±.13	**131.1E**±.21	**27**±9.3		**14 0-3**
JMA	I	11 01 33 55.3±.4	30.61N±.02	131.15E±.04	33±2	3.0	¶97i1447
ISC	**I**	**11 05 50 22.6**±.28	**31.58N**±.023	**131.75E**±.022	**42**±2.9	**4.8b,5.2s**	**286 0-170**
JMA	I	11 05 50 21.7±.1	31.56N±.01	131.88E±.01	40±4	4.8	¶97i1472
MOS	I	11 05 50 22.7	31.7N	131.8E	48	5.4b,5.4s	
BJI	I	11 05 50 23.1	31.55N	131.77E	63	5.1b,5.4s	
NEIC	I	11 05 50 23.7	31.63N	131.54E	52	5.0b,4.9s	
EIDC	I	11 05 50 25.5	31.7N	131.6E	53	4.3b,4.3L	
HRVD	I	11 05 50 29.1±.4	31.69N±.05	131.69E±.04	54±2.9		
NEIC		Mw5.5(HRV).					
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c46; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.04; $M_{\theta\theta}$0.07±.07; $M_{\phi\phi}$−1.17±.07; $M_{r\theta}$0.56±.08; $M_{r\phi}$0.85±.08; $M_{\theta\phi}$−0.75±.06. Principal Axes: T 1.46,Plg70°,Azm318°; N 0.41, Plg7°,Azm209°; P −1.87,Plg19°,Azm117°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S195°,δ27°,λ75°. NP2:ϕ_S32°,δ64°,λ98°.					
ISC	**I**	**11 06 50 59**±1.0	**31.53N**±.053	**131.88E**±.052	**25**±11		**42 1-5**
JMA	I	11 06 50 58.9±.2	31.53N±.01	131.92E±.02	41	3.5	¶97i1481
ISC	**I**	**11 23 15 25**±1.6	**30.5N**±.11	**130.9E**±.14	**9**±10		**9 0-2**
JMA	I	11 23 15 25.2±.4	30.55N±.03	130.88E±.04	12±5	3.1	¶97i1591
ISC	**I**	**12 12 28 03**±2.1	**30.5N**±.14	**130.9E**±.18	**8**±14		**6 0-1**
JMA	I	12 12 28 03.4±.3	30.51N±.02	130.91E±.03	7±5	2.8	¶97i1678
ISC	**I**	**12 14 28 14**±1.6	**30.5N**±.11	**130.9E**±.14	**8**±9.3		**10 0-2**
JMA	I	12 14 28 13.5±.5	30.52N±.03	130.93E±.04	12±4	3.2	¶97i1694
ISC	**I**	**12 17 38 29**±1.5	**30.95N**±.078	**130.8E**±.13	**59**±21		**12 0-2**
JMA	I	12 17 38 28.4±.1	30.95N±.01	130.78E±.01	61±2	2.8	¶97i1718
ISC	**I**	**12 20 46 41**±4.2	**30.8N**±.17	**132.0E**±.40	**53**		**9 1-2**
JMA	I	12 20 46 40.5±.2	30.82N±.01	131.96E±.02	53±3	2.8	¶97i1740
ISC	**I**	**12 21 52 52.9**±.74	**32.38N**±.047	**131.07E**±.053	**6**±9.7		**15 0-1**
JMA	I	12 21 52 53.3±.1	32.38N±.00	131.07E±.00	9±3	2.8	¶97i1746
ISC	**I**	**13 00 54 23**±1.8	**30.45N**±.070	**129.5E**±.16	**271**±18		**36 1-6**
JMA	I	13 00 54 22.9±.5	30.43N±.03	129.49E±.04	269±5		¶97i1759
ISC	**I**	**13 03 37 28**±16	**30.2N**±.93	**131.5E**±.90	**54**		**5 1-2**
JMA	I	13 03 37 29.7±.4	30.36N±.03	131.36E±.03	54±3	2.9	¶97i1775
ISC	**I**	**13 07 08 19**±7.0	**31.0N**±.17	**131.6E**±.61	**30**		**4 1-1**
JMA	I	13 07 08 18.4±.4	31.04N±.01	131.64E±.03	30	2.8	¶97i1794
ISC		Poorly determined					
ISC	**I**	**13 07 14 10**±4.1	**31.0N**±.16	**131.6E**±.35	**25**±19		**6 1-1**
JMA	I	13 07 14 09.3±.6	31.04N±.02	131.68E±.04	28	2.8	¶97i1795
JMA	**I**	**13 07 23 40.3**±.2	**31.13N**±.01	**131.59E**±.03	**60**	**2.4**	¶97i1796
ISC	**I**	**13 07 33 34**±3.8	**31.0N**±.16	**131.6E**±.34	**31**±16		**6 1-1**
JMA	I	13 07 33 33.5±.2	31.06N±.01	131.62E±.02	43±3	2.9	¶97i1798
ISC	**I**	**13 16 31 18**±3.6	**31.2N**±.16	**130.7E**±.12	**115**±34		**18 0-2**
JMA	I	13 16 31 18.0±.1	31.25N±.00	130.70E±.01	111±1		¶97i1870
ISC	**I**	**13 17 42 22**±4.8	**31.6N**±.15	**130.6E**±.19	**145**±48		**14 0-2**
JMA	I	13 17 42 21.0±.2	31.59N±.01	130.57E±.01	151±2		¶97i1878
ISC	**I**	**14 12 21 40.5**±.48	**31.49N**±.043	**131.77E**±.048	**48**±7.0	3.6b	**54 0-72**
EIDC	I	14 12 21 14.6	27.6N	131.2E	0	3.7b,3.6L	¶97i1990
JMA	I	14 12 21 39.6±.3	31.49N±.02	131.83E±.03	38±5	3.5	
NEIC	I	14 12 21 40.0	31.47N	131.83E	33	3.2b	
ISC	**I**	**14 14 41 51.8**±.67	**31.05N**±.086	**130.5E**±.16	**132**		**12 0-2**
JMA	I	14 14 41 51.8±.1	31.05N±.01	130.48E±.01	132±2		¶97i2007
ISC	**I**	**14 14 46 52.9**±.36	**30.52N**±.032	**131.50E**±.032	**46**±4.7	**4.1b**,4.1s	**115 0-73**
JMA	I	14 14 46 52.3±.3	30.50N±.02	131.52E±.03	49±4	3.8	¶97i2008
NEIC	I	14 14 46 52.3	30.54N	131.52E	37	3.8b,4.1s	
BJI	I	14 14 46 52.4	30.32N	131.52E	42	4.2b,4.1s	
EIDC	I	14 14 46 54.5	30.6N	131.3E	36	3.7b,4.2L	
ISC	**I**	**14 14 50 43**±2.3	**30.6N**±.13	**131.4E**±.20	**48**		**15 0-3**
JMA	I	14 14 50 41.9±.4	30.54N±.02	131.45E±.04	48±4	2.9	¶97i2009
ISC	**I**	**14 15 05 56**±7.2	**30.6N**±.36	**131.3E**±.55	**23**		**4 0-1**
JMA	I	14 15 05 53.2±.6	30.51N±.03	131.46E±.04	23	2.9	¶97i2011
ISC		Poorly determined					
ISC	**I**	**14 15 12 31**±2.9	**30.5N**±.14	**131.4E**±.18	**23**±14		**18 0-4**
JMA	I	14 15 12 30.1±.5	30.50N±.03	131.53E±.04	34	3.1	¶97i2015
ISC	**I**	**14 16 05 28.4**±.36	**33.29N**±.032	**131.49E**±.037	**5**		**31 0-2**
JMA	I	14 16 05 28.3±.0	33.30N±.00	131.48E±.01	5±2	3.1	¶97i2018
ISC	**I**	**14 16 08 42**±3.7	**30.6N**±.16	**131.4E**±.29	**31**±15		**9 0-2**
JMA	I	14 16 08 41.0±.6	30.53N±.03	131.48E±.05	43	2.8	¶97i2020
ISC	**I**	**14 17 56 42**±1.1	**32.8N**±.12	**131.6E**±.18	**68**		**7 0-1**
JMA	I	14 17 56 42.1±.3	32.81N±.01	131.62E±.02	68±3		¶97i2029
ISC	**I**	**14 18 41 17**±1.5	**30.5N**±.12	**130.9E**±.14	**10**±11		**9 0-2**
JMA	I	14 18 41 17.1±.5	30.54N±.03	130.88E±.04	14	3.1	¶97i2036
ISC	**I**	**14 20 04 43**±2.0	**30.56N**±.091	**131.4E**±.22	**42**±37		**13 0-3**
JMA	I	14 20 04 42.8±.4	30.55N±.02	131.43E±.05	49±4	3.0	¶97i2048
ISC	**I**	**14 20 39 57.3**±.86	**30.50N**±.061	**131.51E**±.085	**47**		**28 0-4**
JMA	I	14 20 39 57.1±.4	30.51N±.02	131.49E±.04	47±5	3.1	¶97i2056
ISC	**I**	**15 09 40 31**±7.9	**30.6N**±.33	**131.4E**±.60	**28**±21		**5 0-1**
JMA	I	15 09 40 28.9±.9	30.52N±.04	131.50E±.06	32	2.8	¶97i2131
ISC		Poorly determined					
ISC	**I**	**15 18 04 07**±1.2	**32.42N**±.045	**129.76E**±.066	**8**±9.2		**20 0-2**
JMA	I	15 18 04 08.0±.1	32.43N±.00	129.78E±.01	10±2	2.8	¶97i2187
ISC	**I**	**15 22 06 44**±1.3	**31.50N**±.065	**129.5E**±.11	**5**		**14 0-2**
JMA	I	15 22 06 44.4±.4	31.51N±.01	129.55E±.02	5±4	2.9	¶97i2215
ISC	**I**	**16 06 10 37.4**±.42	**31.70N**±.041	**131.73E**±.048	**49**±9.2	**3.6b**	**51 0-72**
JMA	I	16 06 10 36.9±.2	31.72N±.01	131.77E±.02	36±4	3.5	¶97i2261
NEIC	I	16 06 10 37.1	31.68N	131.75E	63		
EIDC	I	16 06 10 48.4	32.5N	131.4E	90	3.3b,2.4L	
NEIC		Less reliable solution.					
ISC	**I**	**16 18 21 52**±1.3	**33.31N**±.060	**131.97E**±.064	**60**±21		**18 0-2**
JMA	I	16 18 21 52.2±.1	33.31N±.01	131.97E±.01	60±2	2.3	¶97i2344
ISC	**I**	**17 07 08 05**±1.3	**30.65N**±.091	**131.0E**±.14	**22**±8.1	3.2b	**10 0-74**
JMA	I	17 07 08 03.8±.5	30.61N±.03	131.10E±.05	29±3	2.9	¶97i2414
ISC	**I**	**17 18 22 48**±2.0	**31.61N**±.084	**131.8E**±.18	**22**±11		**14 0-2**
JMA	I	17 18 22 47.4±.4	31.60N±.02	131.80E±.03	34±5	2.8	¶97i2514
ISC	**I**	**18 16 43 07**±1.6	**31.63N**±.059	**131.8E**±.14	**23**±10		**23 0-3**
JMA	I	18 16 43 06.6±.3	31.61N±.01	131.81E±.03	36±3	3.0	¶97i2687
ISC	**I**	**18 16 43 54**±1.8	**31.64N**±.070	**131.7E**±.17	**21**±11		**16 0-2**
JMA	I	18 16 43 54.3±.3	31.64N±.01	131.78E±.02	32±3	2.8	¶97i2688

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**19 06 04 42**±2.0	**31.9N**±.21	**130.6E**±.39	**150**		**6**	**0-2**
JMA	I	19 06 04 42.7±.3	31.87N±.02	130.64E±.02	150±3			¶97i2797
ISC	**I**	**19 09 33 03.0**±.62	**31.17N**±.042	**131.47E**±.081	**41**±26	**3.7b**	**35**	**0-88**
JMA	I	19 09 33 03.0±.1	31.21N±.01	131.47E±.02	47±2	3.4		¶97i2813
NEIC	I	19 09 33 11.0	31.77N	130.96E	10	3.4b		
EIDC	I	19 09 33 14.0	32.3N	130.8E	0	3.7b		
NEIC		Less reliable solution.						
ISC	**I**	**19 11 09 34**±1.9	**30.6N**±.12	**131.0E**±.22	**27**±10		**9**	**0-2**
JMA	I	19 11 09 32.9±.5	30.60N±.03	131.11E±.05	34	2.9		¶97i2829
ISC	**I**	**19 20 48 51.6**±.76	**32.38N**±.040	**131.07E**±.046	**8**±8.4		**23**	**0-2**
JMA	I	19 20 48 52.0±.0	32.38N±.00	131.06E±.00	8±2	2.8		¶97i2884
ISC	**I**	**19 21 23 43**±2.8	**30.7N**±.13	**131.3E**±.25	**28**±11		**9**	**0-2**
JMA	I	19 21 23 42.4±.6	30.66N±.03	131.40E±.05	38±5	2.9		¶97i2892
ISC	**I**	**20 03 12 58.2**±.76	**32.29N**±.050	**131.38E**±.059	**67**±14		**25**	**0-3**
JMA	I	20 03 12 58.0±.2	32.28N±.01	131.38E±.01	68±4			¶97i2931
ISC	**I**	**20 21 36 11**±3.7	**30.8N**±.20	**132.0E**±.32	**58**		**12**	**1-2**
JMA	I	20 21 36 10.7±.3	30.87N±.01	131.99E±.03	58±5	3.0		¶97i3087
ISC	**I**	**20 22 10 50.0**±.82	**32.39N**±.061	**131.06E**±.059	**7**±11		**12**	**0-1**
JMA	I	20 22 10 50.4±.1	32.38N±.00	131.06E±.00	7±3	2.8		¶97i3092
ISC	**I**	**21 12 55 38**±1.7	**30.6N**±.11	**130.9E**±.14	**6**±10		**9**	**0-2**
JMA	I	21 12 55 37.8±.4	30.53N±.03	130.92E±.04	8±4	3.2		¶97i3180
ISC	**I**	**21 21 27 02.4**±.38	**33.82N**±.035	**131.16E**±.036	**10**		**33**	**0-3**
JMA	I	21 21 27 02.1±.0	33.81N±.00	131.18E±.00	10±2	3.1		¶97i3231
ISC	**I**	**22 04 51 31**±1.9	**32.7N**±.13	**131.8E**±.34	**60**		**7**	**0-1**
JMA	I	22 04 51 31.2±.1	32.67N±.00	131.77E±.01	60±2	1.8		¶97i3280
ISC	**I**	**22 11 02 52**±3.5	**30.4N**±.18	**131.2E**±.29	**29**±14		**9**	**0-2**
JMA	I	22 11 02 50.9±.6	30.37N±.03	131.29E±.05	39±5	3.0		¶97i3316
ISC	**I**	**22 22 17 16.7**±.62	**32.12N**±.092	**131.0E**±.13	**118**		**12**	**0-1**
JMA	I	22 22 17 16.6±.2	32.12N±.01	130.97E±.02	118±3			¶97i3394
ISC	**I**	**23 10 50 44**±2.4	**31.73N**±.081	**132.0E**±.21	**20**±13		**16**	**1-2**
JMA	I	23 10 50 44.3±.3	31.72N±.01	131.98E±.02	29±4	2.8		¶97i3487
ISC	**I**	**23 13 36 59**±1.7	**30.39N**±.092	**130.8E**±.14	**11**±12		**9**	**0-2**
JMA	I	23 13 36 59.1±.3	30.36N±.02	130.88E±.02	16±3	3.0		¶97i3504
ISC	**I**	**23 16 22 35**±4.0	**30.8N**±.12	**130.4E**±.19	**114**±43		**11**	**0-2**
JMA	I	23 16 22 34.6±.2	30.80N±.01	130.36E±.02	118±2			¶97i3525
ISC	**I**	**23 20 55 20.2**±.98	**31.72N**±.057	**131.73E**±.065	**23**±10		**27**	**0-3**
JMA	I	23 20 55 20.3±.2	31.73N±.01	131.73E±.02	31±4	3.0		¶97i3547
ISC	**I**	**24 14 55 48**±1.8	**32.3N**±.16	**131.3E**±.25	**65**		**5**	**0-1**
JMA	I	24 14 55 47.8±.2	32.32N±.02	131.30E±.03	65			¶97i3659
ISC	**I**	**25 00 35 53**±3.0	**31.2N**±.11	**130.3E**±.29	**176**±33		**10**	**0-3**
JMA	I	25 00 35 53.9±.3	31.15N±.01	130.30E±.03	172±4			¶97i3713
ISC	**I**	**25 03 22 28.6**±.50	**32.74N**±.041	**130.56E**±.049	**12**		**21**	**0-2**
JMA	I	25 03 22 28.7±.1	32.74N±.01	130.56E±.01	12±3	2.8		¶97i3728
ISC	**I**	**25 03 32 26**±3.5	**31.3N**±.11	**130.4E**±.19	**144**±37		**12**	**0-2**
JMA	I	25 03 32 25.6±.2	31.25N±.01	130.40E±.01	147±3			¶97i3731
ISC	**I**	**25 07 12 56**±2.1	**31.0N**±.12	**130.4E**±.26	**169**±21		**19**	**0-4**
JMA	I	25 07 12 56.6±.3	31.05N±.02	130.36E±.04	166±3			¶97i3766
ISC	**I**	**25 08 59 31**±1.3	**31.72N**±.083	**131.7E**±.11	**24**±11		**19**	**0-2**
JMA	I	25 08 59 30.9±.3	31.73N±.02	131.73E±.03	30±5	2.9		¶97i3777
ISC	**I**	**25 10 13 51**±3.0	**30.5N**±.16	**131.2E**±.25	**29**±11		**11**	**0-2**
JMA	I	25 10 13 49.8±.5	30.46N±.03	131.22E±.04	37±4	3.0		¶97i3785
ISC	**I**	**26 15 57 06.4**±.84	**33.27N**±.038	**129.92E**±.059	**5**±8.4		**21**	**0-2**
JMA	I	26 15 57 06.9±.1	33.28N±.00	129.94E±.01	11±2	3.1		¶97i3963
ISC	**I**	**27 03 37 45**±2.4	**33.45N**±.084	**131.6E**±.14	**122**±23		**20**	**0-3**
JMA	I	27 03 37 45.9±.2	33.47N±.01	131.59E±.01	115±2			¶97i4041
ISC	**I**	**27 06 41 41.1**±.28	**33.72N**±.043	**131.93E**±.033	**88**±5.9	**3.5b**	**80**	**0-70**
NEIC	I	27 06 41 39.4	33.62N	131.81E	75			¶97i4057
JMA	I	27 06 41 41.5±.1	33.70N±.01	131.96E±.01	78±2	3.8		
EIDC	I	27 06 41 41.9	33.7N	131.9E	75	3.3b		
NEIC		Single network solution.						
ISC	**I**	**27 07 01 52.8**±.70	**31.32N**±.060	**131.40E**±.071	**34**±22		**24**	**0-3**
JMA	I	27 07 01 51.9±.2	31.31N±.02	131.46E±.02	42±3	3.1		¶97i4062
ISC	**I**	**27 11 38 50**±1.5	**30.61N**±.080	**131.1E**±.16	**27**±8.7		**14**	**0-3**
JMA	I	27 11 38 49.2±.3	30.60N±.02	131.11E±.03	33	3.0		¶97i4079
ISC	**I**	**28 00 56 19.0**±.43	**33.09N**±.072	**131.38E**±.076	**134**		**29**	**0-4**
JMA	I	28 00 56 19.0±.1	33.10N±.01	131.38E±.01	134±2			¶97i4151
ISC	**I**	**28 07 33 24**±1.5	**31.65N**±.091	**131.83E**±.091	**28**±12		**23**	**0-3**
JMA	I	28 07 33 24.1±.2	31.64N±.02	131.87E±.02	43	3.3		¶97i4180
ISC	**I**	**28 07 34 31**±1.7	**31.76N**±.080	**131.6E**±.15	**17**±13		**16**	**0-3**
JMA	I	28 07 34 30.0±.5	31.71N±.02	131.73E±.04	28±5	3.2		¶97i4181
ISC	**I**	**28 08 12 57**±1.3	**31.70N**±.082	**131.77E**±.085	**28**±12		**24**	**0-3**
JMA	I	28 08 12 56.8±.3	31.68N±.02	131.83E±.02	40±5	3.1		¶97i4183
ISC	**I**	**29 14 22 42**±7.4	**31.0N**±.23	**131.7E**±.71	**50**		**4**	**1-1**
JMA	I	29 14 22 41.2±.5	31.01N±.02	131.73E±.04	50	2.8		¶97i4364
ISC		Poorly determined						
ISC	**I**	**29 16 07 31**±4.2	**31.0N**±.14	**131.7E**±.35	**26**±16		**8**	**1-2**
JMA	I	29 16 07 30.2±.4	31.00N±.01	131.70E±.03	38±4	2.8		¶97i4375
ISC	**I**	**29 16 09 00**±3.4	**31.0N**±.15	**131.6E**±.35	**48**		**8**	**1-2**
JMA	I	29 16 08 59.6±.4	30.98N±.02	131.62E±.04	48±4	2.9		¶97i4376
ISC	**I**	**29 21 23 25**±1.7	**32.01N**±.058	**131.5E**±.13	**14**±12		**12**	**0-1**
JMA	I	29 21 23 25.1±.2	32.00N±.01	131.55E±.02	15±3	2.8		¶97i4401
JMA	**I**	**30 02 49 02.0**±.3	**30.30N**±.02	**131.06E**±.05	**37**	**3.1**		¶97i4429
ISC	**I**	**30 20 44 40.8**±.92	**31.3N**±.13	**130.6E**±.20	**135**		**10**	**0-2**
JMA	I	30 20 44 41.0±.2	31.32N±.01	130.58E±.01	135±2			¶97i4539
ISC	**I**	**31 15 28 58.8**±.61	**32.26N**±.042	**131.43E**±.051	**69**±12		**35**	**0-3**
JMA	I	31 15 28 58.7±.1	32.25N±.01	131.43E±.01	67±3			¶97i4643
ISC	**I**	**31 16 21 37.4**±.53	**31.71N**±.042	**131.92E**±.054	**33**		**39**	**1-5**
JMA	I	31 16 21 36.6±.2	31.74N±.01	131.96E±.02	33	3.3		¶97i4649
ISC	**I**	**31 20 18 29.4**±.44	**32.50N**±.035	**130.56E**±.044	**8**		**27**	**0-2**
JMA	I	31 20 18 29.4±.0	32.50N±.00	130.56E±.00	8±2	2.8		¶97i4669
ISC	**II**	**01 01 13 57**±1.1	**33.41N**±.053	**131.94E**±.059	**60**±19		**20**	**0-2**
JMA	II	01 01 13 56.7±.1	33.41N±.00	131.94E±.01	60±2	2.7		¶97ii0008
ISC	**II**	**01 08 37 17.7**±.98	**33.69N**±.054	**131.87E**±.060	**85**±14		**26**	**0-3**
JMA	II	01 08 37 18.0±.1	33.69N±.00	131.85E±.01	79±1			¶97ii0045
ISC	**II**	**01 12 33 21**±1.1	**31.66N**±.087	**131.81E**±.071	**37**±54		**27**	**0-3**
JMA	II	01 12 33 21.0±.2	31.68N±.02	131.83E±.02	43±5	2.8		¶97ii0071
ISC	**II**	**01 12 59 33.6**±.69	**32.68N**±.033	**129.98E**±.052	**12**±6.8		**36**	**0-4**
NEIC	II	01 12 59 32.9	32.70N	129.96E	10			¶97ii0073
JMA	II	01 12 59 33.9±.0	32.70N±.00	130.01E±.00	13±1	3.7		
NEIC		Single network solution.						
ISC	**II**	**01 19 28 27**±5.8	**31.5N**±.15	**130.7E**±.32	**97**±52		**7**	**0-1**
JMA	II	01 19 28 26.5±.2	31.46N±.01	130.64E±.02	100±3			¶97ii0112
ISC	**II**	**02 10 56 52**±1.5	**31.33N**±.080	**131.5E**±.15	**35**		**15**	**0-2**
JMA	II	02 10 56 50.9±.4	31.34N±.02	131.59E±.04	35±4	2.9		¶97ii0212
ISC	**II**	**02 13 18 59**±5.1	**30.5N**±.29	**131.2E**±.32	**28**±13		**9**	**0-2**
JMA	II	02 13 18 57.3±.7	30.36N±.04	131.33E±.04	34	2.8		¶97ii0225
ISC	**II**	**02 15 07 52**±1.4	**30.45N**±.068	**131.32E**±.072	**28**±11		**32**	**0-5**
JMA	II	02 15 07 51.4±.5	30.43N±.02	131.34E±.04	38±5	3.2		¶97ii0240
NEIC	II	02 15 07 52.0	30.42N	131.27E	33			
NEIC		Single network solution.						
ISC	**II**	**02 16 35 01**±2.5	**30.5N**±.15	**131.3E**±.21	**37**		**14**	**0-3**
JMA	II	02 16 34 59.4±.4	30.42N±.02	131.33E±.03	37±4	3.0		¶97ii0247
JMA	**II**	**02 17 31 53.5**±.2	**30.26N**±.01	**131.23E**±.02	**32**±2	**2.9**		¶97ii0252
ISC	**II**	**02 17 45 54**±3.3	**30.5N**±.16	**131.3E**±.24	**27**±13		**13**	**0-3**
JMA	II	02 17 45 53.1±.5	30.44N±.03	131.28E±.04	37±4	2.9		¶97ii0255
ISC	**II**	**02 20 07 20**±2.2	**30.45N**±.090	**131.3E**±.17	**26**±13		**19**	**0-3**
JMA	II	02 20 07 19.7±.3	30.43N±.02	131.33E±.03	36±3	3.2		¶97ii0270
ISC	**II**	**02 20 28 07.4**±.46	**30.43N**±.037	**131.32E**±.041	**47**±4.9	**4.0b**,4.1s	**99**	**0-84**
JMA	II	02 20 28 06.7±.4	30.41N±.02	131.34E±.03	37±4	3.8		¶97ii0272
NEIC	II	02 20 28 08.3	30.49N	131.31E	61	4.3b		
MOS	II	02 20 28 08.6	30.5N	131.6E	60	4.7b		
BJI	II	02 20 28 09.1	30.21N	131.31E	72	4.3b,4.1s		
EIDC	II	02 20 28 10.8	30.6N	131.3E	60	3.7b		
ISC	**II**	**03 10 36 26**±6.4	**30.7N**±.31	**131.5E**±.52	**42**		**5**	**0-2**
JMA	II	03 10 36 25.7±.4	30.68N±.02	131.49E±.03	42	3.0		¶97ii0364
ISC	**II**	**03 13 43 05**±1.4	**31.4N**±.22	**130.5E**±.25	**160**		**9**	**0-2**
JMA	II	03 13 43 05.4±.3	31.40N±.02	130.49E±.01	160±3			¶97ii0381
ISC	**II**	**04 09 15 58**±3.8	**32.0N**±.11	**131.2E**±.17	**50**±58		**6**	**0-1**
JMA	II	04 09 15 57.1±.2	31.96N±.01	131.19E±.01	63±3			¶97ii0493
ISC	**II**	**04 09 43 57**±2.6	**30.6N**±.16	**131.0E**±.29	**25**±13		**6**	**0-1**
JMA	II	04 09 43 56.6±.4	30.57N±.02	131.13E±.04	28±3	2.8		¶97ii0496
ISC	**II**	**04 09 51 31.6**±.60	**31.78N**±.053	**131.93E**±.052	**36**±53		**40**	**1-4**
JMA	II	04 09 51 31.2±.2	31.80N±.01	131.93E±.02	45±5	3.2		¶97ii0498
ISC	**II**	**04 11 17 23**±1.5	**30.6N**±.11	**130.9E**±.14	**9**±12		**7**	**0-2**
JMA	II	04 11 17 22.9±.3	30.54N±.02	130.88E±.03	11±4	2.8		¶97ii0513
ISC	**II**	**04 19 51 58.8**±.83	**31.9N**±.18	**130.7E**±.23	**148**		**9**	**0-2**
JMA	II	04 19 51 59.0±.3	31.87N±.02	130.67E±.02	148±3			¶97ii0592
ISC	**II**	**05 03 04 06**±1.5	**30.9N**±.18	**130.3E**±.37	**149**		**7**	**0-2**
JMA	II	05 03 04 05.9±.2	30.87N±.01	130.26E±.02	149±2			¶97ii0629
ISC	**II**	**06 19 08 55**±1.1	**31.22N**±.060	**130.4E**±.12	**174**±13		**34**	**0-5**
JMA	II	06 19 08 55.4±.3	31.23N±.01	130.40E±.02	171±3			¶97ii0893
ISC	**II**	**07 15 06 20.2**±.83	**30.19N**±.070	**130.4E**±.15	**61**±17		**15**	**0-4**
JMA	II	07 15 06 19.8±.2	30.18N±.01	130.41E±.03	65±3			¶97ii1004
ISC	**II**	**07 23 38 30**±2.8	**31.3N**±.15	**130.4E**±.26	**182**±26		**20**	**0-5**
JMA	II	07 23 38 30.8±.4	31.27N±.02	130.41E±.04	172±4			¶97ii1058
ISC	**II**	**08 12 21 14.8**±.47	**32.91N**±.043	**131.95E**±.038	**61**±11		**45**	**0-4**
JMA	II	08 12 21 15.0±.0	32.92N±.00	131.94E±.00	55±2	3.2		¶97ii1140
ISC	**II**	**08 17 07 41**±1.2	**31.9N**±.11	**131.3E**±.18	**61**		**7**	**0-1**
JMA	II	08 17 07 41.1±.2	31.89N±.01	131.32E±.01	61±2	2.1		¶97ii1175
ISC	**II**	**09 15 58 16**±1.2	**31.70N**±.065	**131.90E**±.077	**19**±12		**24**	**1-3**
JMA	II	09 15 58 15.7±.2	31.72N±.01	131.91E±.02	31±4	2.8		¶97ii1329
ISC	**II**	**09 19 01 23**±1.8	**32.5N**±.30	**131.5E**±.30	**65**		**8**	**0-1**
JMA	II	09 19 01 23.0±.3	32.49N±.01	131.45E±.02	65±3			¶97ii1348
ISC		Poorly determined						
ISC	**II**	**10 01 14 56.2**±.62	**32.99N**±.044	**131.41E**±.047	**123**±9.3		**53**	**0-5**
JMA	II	10 01 14 56.7±.1	33.00N±.01	131.41E±.01	117±2			¶97ii1396
ISC	**II**	**10 21 14 09.8**±.98	**32.49N**±.061	**131.29E**±.063	**101**±13		**38**	**0-5**
JMA	II	10 21 14 10.3±.2	32.52N±.01	131.29E±.01	96±2			¶97ii1518
ISC	**II**	**11 01 54 28**±7.1	**30.5N**±.49	**130.3E**±.64	**82**		**4**	**1-1**
JMA	II	11 01 54 28.4±.2	30.52N±.01	130.29E±.02	82±3			¶97ii1569
ISC		Poorly determined						
JMA	**II**	**11 04 55 11.1**±.1	**31.24N**±.01	**130.28E**±.01	**158**±1			¶97ii1587
ISC	**II**	**12 13 10 49**±2.0	**31.19N**±.068	**130.4E**±.14	**153**±24		**19**	**0-3**
JMA	II	12 13 10 48.6±.2	31.17N±.01	130.39E±.02	161±2			¶97ii1763
ISC	**II**	**12 13 59 04.2**±.95	**31.92N**±.046	**131.24E**±.085	**63**±17		**22**	**0-2**
JMA	II	12 13 59 04.5±.1	31.93N±.00	131.19E±.01	60±2	2.5		¶97ii1771
ISC	**II**	**13 08 22 40**±2.3	**31.3N**±.11	**131.6E**±.20	**40**±30		**11**	**0-3**
JMA	II	13 08 22 39.2±.4	31.29N±.02	131.58E±.04	48±3	3.0		¶97ii1889
ISC	**II**	**13 14 07 49**±1.8	**31.72N**±.096	**131.6E**±.18	**24**±11		**13**	**0-2**
JMA	II	13 14 07 48.1±.4	31.65N±.02	131.68E±.04	42±4	2.8		¶97ii1934
ISC	**II**	**14 04 08 53**±1.6	**30.7N**±.11	**131.0E**±.19	**26**±9.4		**11**	**0-3**
JMA	II	14 04 08 53.0±.4	30.63N±.02	131.03E±.05	33±3	2.9		¶97ii2023
ISC	**II**	**14 11 27 44**±2.5	**33.31N**±.091	**131.90E**±.089	**69**±31		**14**	**0-1**
JMA	II	14 11 27 44.3±.1	33.31N±.01	131.89E±.01	66±2			¶97ii2049
ISC	**II**	**14 11 46 34.6**±.78	**33.81N**±.036	**131.17E**±.035	**0**±7.0		**38**	**0-4**
JMA	II	14 11 46 35.2±.0	33.81N±.00	131.18E±.00	7±2	3.3		¶97ii2051
NEIC	II	14 11 46 37.2	33.76N	131.09E	33			
NEIC		Single network solution.						
ISC	**II**	**14 21 52 37.7**±.96	**33.52N**±.058	**131.88E**±.053	**81**±15		**28**	**0-2**
JMA	II	14 21 52 38.2±.1	33.52N±.00	131.88E±.01	72±2			¶97ii2119
ISC	**II**	**17 00 10 43.2**±.94	**31.26N**±.051	**130.47E**±.080	**168**±11		**44**	**0-6**
JMA	II	17 00 10 44.1±.2	31.28N±.01	130.47E±.02	160±2			¶97ii2436
ISC	**II**	**17 07 53 32**±4.6	**31.6N**±.24	**129.1E**±.25	**6**±23		**6**	**0-1**
JMA	II	17 07 53 32.8±.1	31.65N±.01	129.15E±.01	8±2	2.8		¶97ii2463
ISC	**II**	**17 14 53 24.0**±.99	**33.01N**±.061	**131.65E**±.068	**75**±15		**23**	**0-3**
JMA	II	17 14 53 24.1±.1	33.01N±.01	131.66E±.01	72±2			¶97ii2506
ISC	**II**	**18 09 27 32**±4.4	**31.6N**±.27	**129.8E**±.25	**5**		**5**	**0-1**
JMA	II	18 09 27 31.3±.5	31.57N±.02	129.72E±.04	5±4	2.9		¶97ii2623
ISC		Poorly determined						
ISC	**II**	**19 13 43 26**±1.6	**30.59N**±.076	**131.1E**±.16	**27**±8.5		**16**	**0-3**
JMA	II	19 13 43 25.5±.3	30.59N±.02	131.12E±.03	35±2	3.1		¶97ii2800
ISC	**II**	**21 10 36 26**±3.3	**33.3N**±.13	**131.6E**±.15	**128**±31		**19**	**0-3**
JMA	II	21 10 36 26.7±.2	33.36N±.01	131.61E±.01	116±2			¶97ii3054
ISC	**II**	**21 13 04 14**±1.3	**32.6N**±.28	**131.0E**±.27	**147**		**8**	**0-1**
JMA	II	21 13 04 14.4±.4	32.59N±.02	131.00E±.02	147±3			¶97ii3073
ISC	**II**	**22 01 09 26**±1.1	**32.6N**±.16	**131.4E**±.18	**69**		**5**	**0-1**
JMA	II	22 01 09 26.5±.3	32.61N±.01	131.42E±.02	69±3			¶97ii3146
ISC	**II**	**22 03 13 58**±12	**30.2N**±.82	**131.1E**±.66	**45**		**7**	**0-2**
JMA	II	22 03 13 53.7±.8	29.99N±.04	131.35E±.04	45	3.2		¶97ii3162
JMA	**II**	**22 08 16 38.2**±.0	**32.52N**±.01	**131.50E**±.04	**74**			¶97ii3184
ISC	**II**	**22 13 08 55**±1.6	**32.48N**±.073	**131.10E**±.095	**152**±19		**29**	**0-4**
JMA	II	22 13 08 54.9±.3	32.48N±.01	131.13E±.02	148±3			¶97ii3209
ISC	**II**	**23 09 22 05.2**±.50	**31.76N**±.038	**131.86E**±.056	**37**		**37**	**1-5**
JMA	II	23 09 22 04.7±.2	31.77N±.01	131.89E±.02	37	3.3		¶97ii3312
ISC	**II**	**23 21 21 15.8**±.72	**32.50N**±.043	**131.22E**±.058	**84**±12		**33**	**0-5**
JMA	II	23 21 21 15.4±.2	32.50N±.01	131.25E±.01	87±2			¶97ii3376
ISC	**II**	**24 02 24 49.1**±.41	**30.50N**±.035	**131.24E**±.032	**51**±4.0	**4.3b**	**126**	**0-89**
MOS	II	24 02 24 48.9	30.5N	131.2E	46	5.0b		¶97ii3408
BJI	II	24 02 24 48.9	30.45N	131.33E	61	4.4b		
NEIC	II	24 02 24 49.0	30.51N	131.25E	54	4.7b		
JMA	II	24 02 24 49.7±.3	30.55N±.02	131.20E±.03	55±3	4.3		
EIDC	II	24 02 24 51.2	30.5N	131.2E	61	3.8b		
NEIC		Less reliable solution.						
ISC	**II**	**24 02 53 16**±2.8	**31.7N**±.10	**129.3E**±.15	**5**±18		**9**	**0-2**
JMA	II	24 02 53 16.6±.3	31.74N±.01	129.30E±.02	11±4	3.1		¶97ii3412
ISC	**II**	**24 03 53 02**±1.0	**30.9N**±.18	**130.2E**±.26	**161**		**7**	**1-2**
JMA	II	24 03 53 02.5±.1	30.90N±.02	130.22E±.03	161			¶97ii3419
ISC	**II**	**24 11 43 49**±1.1	**32.81N**±.056	**129.20E**±.070	**6**±9.8		**15**	**0-2**
JMA	II	24 11 43 50.0±.1	32.81N±.01	129.19E±.01	13±3	2.9		¶97ii3469

ISC	**II**	**24 13 31 24**±2.4	**30.8N**±.20	**130.2E**±.46	**155**			**8**	**1-2**
JMA	II	24 13 31 24.0±.4	30.85N±.02	130.28E±.04	155±3				**¶97iii3483**
ISC	**II**	**24 18 31 28.6**±.74	**31.17N**±.046	**130.41E**±.074	**163**±9.5			**59**	**0-8**
JMA	II	24 18 31 28.9±.1	31.17N±.01	130.38E±.01	161±2				**¶97ii3522**
ISC	**II**	**24 22 11 12**±1.4	**30.7N**±.10	**131.74E**±.099	**49**±44			**26**	**1-4**
JMA	II	24 22 11 12.4±.2	30.75N±.01	131.72E±.02	52±3	2.9			**¶97ii3544**
ISC	**II**	**25 07 43 12.3**±.71	**32.67N**±.047	**130.02E**±.057	**6**±8.9			**15**	**0-2**
JMA	II	25 07 43 12.7±.0	32.67N±.00	130.01E±.00	9±2	2.8			**¶97ii3599**
ISC	**II**	**25 11 57 27.5**±.68	**32.66N**±.037	**130.00E**±.049	**8**±6.6			**25**	**0-3**
JMA	II	25 11 57 27.9±.0	32.67N±.00	130.00E±.00	11±2	3.5			**¶97ii3620**
ISC	**II**	**25 15 38 46**±6.2	**31.4N**±.20	**130.5E**±.27	**143**±58			**10**	**0-2**
JMA	II	25 15 38 44.4±.2	31.35N±.01	130.48E±.02	157±2				**¶97ii3649**
ISC	**II**	**25 16 13 46**±4.3	**30.7N**±.25	**131.7E**±.35	**63**			**8**	**1-2**
JMA	II	25 16 13 45.2±.5	30.67N±.03	131.71E±.04	63±3				**¶97ii3658**
ISC	**II**	**25 21 03 34.4**±.92	**31.58N**±.049	**130.12E**±.059	**5**±9.0			**19**	**0-3**
JMA	II	25 21 03 35.0±.1	31.59N±.01	130.14E±.01	10±3	3.3			**¶97ii3691**
ISC	**II**	**26 10 17 17**±1.1	**31.60N**±.095	**130.13E**±.077	**10**±14			**10**	**0-2**
JMA	II	26 10 17 17.5±.2	31.59N±.02	130.13E±.01	12	2.8			**¶97ii3778**
ISC	**II**	**26 16 11 37**±2.6	**31.75N**±.070	**131.8E**±.18	**11**±14			**14**	**1-2**
JMA	II	26 16 11 37.5±.3	31.75N±.01	131.85E±.02	25±3	2.9			**¶97ii3816**
ISC	**II**	**26 20 53 58**±1.0	**30.46N**±.063	**130.2E**±.16	**97**±17			**18**	**0-3**
JMA	II	26 20 53 57.8±.2	30.46N±.01	130.18E±.02	99±2				**¶97ii3852**
ISC	**II**	**27 10 34 53**±1.4	**30.52N**±.072	**131.25E**±.091	**26**±11			**24**	**0-4**
NEIC	II	27 10 34 53.1	30.51N	131.30E	33				**¶97ii3947**
JMA	II	27 10 34 53.4±.2	30.55N±.01	131.15E±.03	36±2	3.1			
NEIC	Less reliable solution.								
ISC	**II**	**28 06 01 48**±4.2	**31.78N**±.062	**131.9E**±.10	**11**±33			**20**	**1-3**
JMA	II	28 06 01 49.0±.3	31.79N±.01	131.84E±.02	27±5	3.0			**¶97ii4153**
NEIC	II	28 06 01 49.5	31.74N	131.88E	33				
NEIC	Poor solution.								
ISC	**II**	**28 13 46 17**±2.2	**30.5N**±.14	**131.0E**±.19	**27**±9.2			**12**	**0-2**
JMA	II	28 13 46 16.2±.4	30.47N±.03	131.12E±.04	35±3	2.9			**¶97ii4262**
ISC	**III**	**01 00 43 15.4**±.81	**32.13N**±.059	**131.49E**±.058	**62**±15			**30**	**0-3**
JMA	III	01 00 43 15.5±.2	32.15N±.01	131.49E±.02	59±3	3.0			**¶97iii0004**
ISC	**III**	**01 01 16 37**±2.9	**30.6N**±.14	**131.1E**±.25	**11**			**7**	**0-2**
JMA	III	01 01 16 36.7±.4	30.54N±.02	131.12E±.03	11±3	3.0			**¶97iii0012**
ISC	**III**	**01 19 40 25.5**±.63	**31.71N**±.050	**131.81E**±.060	**32**			**31**	**1-3**
JMA	III	01 19 40 24.7±.2	31.71N±.01	131.84E±.02	32±4	3.0			**¶97iii0174**
ISC	**III**	**01 20 48 19**±1.1	**32.3N**±.18	**131.2E**±.18	**63**			**5**	**0-1**
JMA	III	01 20 48 18.8±.2	32.27N±.01	131.20E±.01	63±2				**¶97iii0185**
ISC	**III**	**02 00 30 11**±1.0	**30.39N**±.070	**130.2E**±.17	**103**±17			**16**	**0-4**
JMA	III	02 00 30 10.9±.2	30.39N±.01	130.15E±.02	102±2				**¶97iii0217**
ISC	**III**	**02 04 17 26**±4.2	**31.1N**±.11	**130.3E**±.22	**145**±45			**12**	**0-2**
JMA	III	02 04 17 24.8±.3	31.10N±.01	130.28E±.02	157±3				**¶97iii0239**
ISC	**III**	**02 08 20 18**±1.2	**31.29N**±.063	**130.5E**±.10	**171**±13			**36**	**0-6**
JMA	III	02 08 20 18.3±.3	31.28N±.01	130.45E±.02	166±3				**¶97iii0264**
ISC	**III**	**02 19 19 16.9**±.47	**32.54N**±.048	**131.12E**±.053	**164**±5.4	**3.3b**		**53**	**0-69**
JMA	III	02 19 19 17.9±.1	32.57N±.01	131.17E±.01	152±2				**¶97iii0384**
EIDC	III	02 19 19 18.4	32.7N	131.4E	176	3.0b			
ISC	**III**	**03 00 01 32**±4.7	**30.6N**±.24	**131.3E**±.46	**31**			**4**	**0-1**
JMA	III	03 00 01 30.6±.3	30.46N±.01	131.48E±.03	31±3	2.9			**¶97iii0429**
ISC	Poorly determined								
ISC	**III**	**03 08 30 17**±1.2	**31.82N**±.061	**131.04E**±.082	**88**±17			**21**	**0-3**
JMA	III	03 08 30 17.0±.2	31.82N±.01	131.03E±.02	84±3				**¶97iii0519**
ISC	**III**	**03 10 10 22**±1.2	**32.4N**±.16	**131.3E**±.20	**69**			**5**	**0-1**
JMA	III	03 10 10 21.6±.3	32.42N±.02	131.26E±.01	69±3				**¶97iii0547**
ISC	**III**	**04 04 20 23**±1.1	**31.10N**±.063	**130.3E**±.11	**170**±14			**29**	**0-5**
JMA	III	04 04 20 24.5±.2	31.11N±.01	130.26E±.02	159±2				**¶97iii0781**
ISC	**III**	**05 07 43 49.0**±.56	**32.18N**±.040	**130.99E**±.055	**126**±8.7			**58**	**0-6**
JMA	III	05 07 43 49.0±.2	32.20N±.01	131.00E±.01	126±2				**¶97iii1009**
ISC	**III**	**05 11 23 58**±2.2	**32.62N**±.089	**131.2E**±.13	**152**±23			**25**	**0-3**
JMA	III	05 11 23 58.5±.2	32.63N±.01	131.18E±.01	153±3				**¶97iii1048**
ISC	**III**	**05 16 47 12**±2.3	**30.2N**±.11	**131.2E**±.26	**33**			**9**	**1-2**
JMA	III	05 16 47 10.9±.3	30.15N±.01	131.32E±.02	33±3	2.8			**¶97iii1100**
ISC	**III**	**05 19 58 53.8**±.70	**32.36N**±.035	**130.74E**±.043	**7**±7.0			**28**	**0-3**
JMA	III	05 19 58 54.2±.0	32.36N±.00	130.75E±.00	10±2	3.0			**¶97iii1123**
JMA	**III**	**06 04 56 06.6**±.6	**31.22N**±.02	**131.76E**±.06	**49**	**2.8**			**¶97iii1195**
ISC	**III**	**06 10 50 20**±3.6	**30.5N**±.20	**131.2E**±.32	**27**±14			**7**	**0-2**
JMA	III	06 10 50 18.8±.6	30.47N±.03	131.32E±.05	31	2.8			**¶97iii1254**
ISC	**III**	**07 14 56 58**±1.5	**30.35N**±.091	**130.9E**±.14	**20**±13			**11**	**0-2**
JMA	III	07 14 56 57.6±.3	30.33N±.02	130.91E±.03	28±3	3.3			**¶97iii1536**
ISC	**III**	**07 19 48 20.3**±.54	**30.69N**±.051	**130.37E**±.098	**139**±11			**45**	**0-6**
JMA	III	07 19 48 22.0±.1	30.74N±.01	130.30E±.01	123±2				**¶97iii1590**
ISC	**III**	**07 22 45 33**±1.8	**30.34N**±.087	**130.9E**±.14	**13**±12			**12**	**0-4**
JMA	III	07 22 45 32.9±.2	30.34N±.01	130.91E±.02	25±2	2.9			**¶97iii1617**
ISC	**III**	**07 23 23 26**±1.9	**30.6N**±.11	**131.1E**±.21	**27**±11			**7**	**0-3**
JMA	III	07 23 23 25.9±.3	30.60N±.01	131.11E±.03	32±2	2.8			**¶97iii1622**
ISC	**III**	**08 05 30 41**±1.3	**31.32N**±.087	**131.2E**±.14	**31**±11			**11**	**0-3**
JMA	III	08 05 30 40.5±.2	31.34N±.01	131.32E±.02	42±2	3.0			**¶97iii1675**
ISC	**III**	**08 14 31 21**±1.2	**30.09N**±.068	**131.3E**±.15	**41**			**20**	**1-4**
JMA	III	08 14 31 20.1±.3	30.11N±.02	131.33E±.03	41	3.2			**¶97iii1768**
ISC	**III**	**08 17 07 49**±2.1	**30.5N**±.14	**130.9E**±.18	**9**±14			**6**	**0-1**
JMA	III	08 17 07 49.3±.3	30.50N±.02	130.91E±.03	6±4	2.9			**¶97iii1797**
ISC	**III**	**09 07 13 11.9**±.81	**30.10N**±.068	**131.34E**±.079	**54**±11	**3.5b**		**34**	**1-74**
EIDC	III	09 07 13 00.2	29.1N	131.3E	0	3.6b,3.4L			**¶97iii1927**
JMA	III	09 07 13 11.0±.3	30.10N±.01	131.39E±.02	39	3.4			
ISC	**III**	**09 10 15 20**±4.3	**30.9N**±.13	**130.3E**±.20	**131**±44			**8**	**0-2**
JMA	III	09 10 15 20.5±.2	30.88N±.01	130.34E±.01	130±2				**¶97iii1941**
ISC	**III**	**09 20 56 48**±3.3	**31.5N**±.41	**130.4E**±.59	**155**			**4**	**1-1**
JMA	III	09 20 56 48.7±.5	31.54N±.03	130.47E±.04	155±4				**¶97iii2086**
ISC	Poorly determined								
ISC	**III**	**10 21 36 12**±3.2	**31.4N**±.11	**130.5E**±.22	**173**±30			**22**	**0-5**
JMA	III	10 21 36 13.1±.5	31.42N±.02	130.56E±.03	160±5				**¶97iii2270**
ISC	**III**	**11 06 39 21**±11	**30.1N**±.75	**131.0E**±.42	**17**			**5**	**1-2**
JMA	III	11 06 39 19.8±.4	30.06N±.02	130.97E±.03	17±4	3.2			**¶97iii2325**
ISC	**III**	**11 11 01 38**±1.9	**33.64N**±.074	**131.8E**±.10	**91**±23			**17**	**0-2**
JMA	III	11 11 01 38.0±.3	33.64N±.01	131.77E±.02	91±3				**¶97iii2366**
ISC	**III**	**11 14 34 21**±1.6	**32.0N**±.39	**130.6E**±.62	**173**			**7**	**0-1**
JMA	III	11 14 34 21.5±.2	31.97N±.03	130.69E±.06	173				**¶97iii2393**
ISC	**III**	**11 17 14 27.9**±.66	**31.22N**±.055	**131.86E**±.057	**49**			**36**	**1-4**
JMA	III	11 17 14 27.5±.3	31.26N±.02	131.88E±.02	49	3.2			**¶97iii2419**
ISC	**III**	**12 11 30 55**±1.5	**31.1N**±.16	**130.2E**±.49	**169**			**6**	**0-2**
JMA	III	12 11 30 54.6±.2	31.13N±.02	130.28E±.05	169				**¶97iii2525**
ISC	**III**	**13 00 43 20**±1.2	**31.26N**±.071	**130.48E**±.087	**162**±13			**40**	**0-6**
JMA	III	13 00 43 20.8±.3	31.25N±.02	130.49E±.02	158±2				**¶97iii2616**
ISC	**III**	**13 19 39 24.2**±.68	**30.10N**±.053	**131.37E**±.085	**38**±18	2.8b		**33**	**1-74**
NEIC	III	13 19 39 23.5	30.04N	131.46E	33				**¶97iii2755**
JMA	III	13 19 39 24.1±.3	30.12N±.02	131.32E±.03	42	3.2			
NEIC	Single network solution.								
ISC	**III**	**14 22 18 01**±3.8	**32.7N**±.18	**131.4E**±.19	**109**±34			**17**	**0-3**
JMA	III	14 22 18 01.5±.2	32.71N±.01	131.44E±.01	107±2				**¶97iii2954**
ISC	**III**	**15 06 26 14**±5.0	**30.6N**±.46	**131.0E**±.36	**27**±26			**6**	**0-2**
JMA	III	15 06 26 13.6±.5	30.61N±.03	131.03E±.04	31±3	2.9			**¶97iii3012**
JMA	**III**	**15 12 59 03.0**±.6	**31.19N**±.03	**131.49E**±.04	**43**±3	**2.9**			**¶97iii3056**
ISC	**III**	**16 01 00 20**±1.0	**31.4N**±.16	**130.5E**±.23	**158**			**8**	**0-1**
JMA	III	16 01 00 19.9±.3	31.41N±.02	130.47E±.02	158±3				**¶97iii3143**
ISC	**III**	**16 12 16 42**±1.9	**31.2N**±.19	**130.4E**±.44	**147**			**7**	**0-2**
JMA	III	16 12 16 42.3±.4	31.18N±.02	130.40E±.05	147±4				**¶97iii3221**
ISC	**III**	**16 15 50 23**±6.0	**31.1N**±.20	**131.8E**±.46	**29**±24			**6**	**1-2**
JMA	III	16 15 50 22.2±.5	31.06N±.02	131.82E±.04	46	3.1			**¶97iii3242**
ISC	**III**	**16 23 28 27**±1.2	**30.93N**±.065	**130.3E**±.13	**166**±14			**31**	**0-5**
JMA	III	16 23 28 28.1±.2	30.93N±.01	130.31E±.02	158±3				**¶97iii3282**
ISC	**III**	**17 07 31 58**±3.6	**30.7N**±.22	**131.3E**±.29	**27**±13			**8**	**0-2**
JMA	III	17 07 31 56.3±.6	30.62N±.04	131.43E±.05	41	3.0			**¶97iii3338**
ISC	**III**	**17 09 18 36**±1.4	**31.74N**±.076	**131.91E**±.084	**27**±13			**19**	**1-3**
JMA	III	17 09 18 35.4±.2	31.73N±.01	131.93E±.02	42±5	2.9			**¶97iii3352**
ISC	**III**	**17 21 14 14**±2.7	**30.6N**±.16	**131.1E**±.28	**25**±11			**7**	**0-2**
JMA	III	17 21 14 13.4±.4	30.59N±.02	131.17E±.03	32±3	2.9			**¶97iii3435**
ISC	**III**	**18 13 14 05.5**±.85	**33.86N**±.044	**131.88E**±.049	**13**±8.4			**21**	**0-2**
JMA	III	18 13 14 05.6±.0	33.86N±.00	131.89E±.00	14±2	2.8			**¶97iii3538**
ISC	**III**	**18 14 35 09**±1.5	**31.64N**±.060	**131.8E**±.11	**24**±13			**27**	**0-3**
JMA	III	18 14 35 08.6±.3	31.62N±.02	131.86E±.03	38	2.8			**¶97iii3551**
ISC	**III**	**18 20 28 18**±1.7	**31.15N**±.071	**130.9E**±.12	**68**±25			**13**	**0-2**
JMA	III	18 20 28 18.0±.1	31.15N±.00	130.89E±.01	66±1				**¶97iii3587**
ISC	**III**	**19 12 36 14**±1.8	**31.84N**±.092	**131.9E**±.12	**19**±14			**17**	**1-2**
JMA	III	19 12 36 14.4±.3	31.85N±.01	131.92E±.02	28±5	2.8			**¶97iii3707**
ISC	**III**	**20 04 30 21**±2.9	**31.2N**±.12	**130.3E**±.16	**183**±29			**15**	**0-4**
JMA	III	20 04 30 21.9±.3	31.19N±.02	130.29E±.02	176±3				**¶97iii3833**
ISC	**III**	**20 19 02 44**±2.5	**30.6N**±.16	**131.0E**±.28	**25**±13			**6**	**0-2**
JMA	III	20 19 02 43.8±.5	30.62N±.03	131.08E±.05	30±3	2.8			**¶97iii3939**
ISC	**III**	**21 05 43 26**±3.1	**30.5N**±.17	**131.1E**±.28	**26**±12			**7**	**0-2**
JMA	III	21 05 43 23.9±.4	30.44N±.02	131.29E±.03	26±3	2.9			**¶97iii4003**
ISC	**III**	**21 06 54 31**±3.4	**31.9N**±.12	**131.0E**±.16	**100**±39			**10**	**0-1**
JMA	III	21 06 54 31.0±.1	31.88N±.00	130.96E±.01	94±2				**¶97iii4021**
ISC	**III**	**21 08 30 48**±1.6	**31.79N**±.074	**131.8E**±.17	**28**			**14**	**1-2**
JMA	III	21 08 30 47.3±.3	31.79N±.01	131.81E±.03	28±4	2.9			**¶97iii4040**
ISC	**III**	**23 00 09 48.4**±.59	**31.36N**±.051	**131.95E**±.049	**46**			**44**	**1-5**
JMA	III	23 00 09 47.6±.3	31.37N±.02	132.01E±.02	46	3.3			**¶97iii4347**
ISC	**III**	**23 14 33 53**±1.2	**32.61N**±.076	**129.0E**±.13	**11**±17			**17**	**0-2**
JMA	III	23 14 33 52.6±.1	32.61N±.01	128.99E±.02	15±3	3.1			**¶97iii4449**
ISC	**III**	**23 17 09 17.2**±.97	**32.00N**±.049	**131.86E**±.050	**24**±10			**33**	**0-5**
JMA	III	23 17 09 17.0±.2	32.02N±.01	131.88E±.02	25±4	3.2			**¶97iii4464**
ISC	**III**	**24 06 32 08**±5.5	**30.1N**±.15	**131.3E**±.62	**18**			**4**	**1-2**
JMA	III	24 06 32 07.7±.1	30.03N±.00	131.35E±.01	18±2	3.2			**¶97iii4539**
ISC	Poorly determined								
ISC	**III**	**24 15 34 44**±2.2	**31.78N**±.074	**131.9E**±.20	**24**±12			**13**	**1-2**
JMA	III	24 15 34 44.2±.3	31.77N±.01	131.86E±.03	41±4	2.8			**¶97iii4581**
ISC	**III**	**24 16 34 42**±2.9	**33.1N**±.13	**131.72E**±.088	**87**±32			**17**	**0-1**
JMA	III	24 16 34 43.0±.2	33.17N±.01	131.72E±.01	81±2				**¶97iii4588**
ISC	**III**	**25 02 02 25.9**±.64	**32.70N**±.052	**131.90E**±.049	**50**±17			**29**	**0-5**
JMA	III	25 02 02 25.6±.0	32.69N±.00	131.92E±.00	53±2	3.3			**¶97iii4657**
ISC	**III**	**25 16 41 59**±6.4	**31.2N**±.13	**130.3E**±.29	**170**±64			**10**	**0-3**
JMA	III	25 16 41 59.8±.4	31.18N±.02	130.34E±.04	161±4				**¶97iii4762**
ISC	**III**	**25 20 15 17**±1.9	**30.5N**±.13	**130.9E**±.17	**10**			**7**	**0-2**
JMA	III	25 20 15 17.0±.5	30.50N±.02	130.98E±.04	10±4	3.1			**¶97iii4779**
ISC	**III**	**25 21 30 12**±2.4	**30.1N**±.19	**130.5E**±.21	**28**			**4**	**0-1**
JMA	III	25 21 30 12.7±.2	30.11N±.02	130.46E±.03	28±5	2.9			**¶97iii4798**
ISC	Poorly determined								
ISC	**III**	**26 04 32 58.5**±.81	**32.55N**±.055	**130.05E**±.057	**6**±8.8			**13**	**0-2**
JMA	III	26 04 32 58.8±.1	32.56N±.01	130.05E±.01	9±2	2.8			**¶97iii4841**
ISC	**III**	**26 08 31 46.8**±.57	**31.95N**±.018	**130.37E**±.018	**6**±3.5	**5.5b,6.1s**		**567**	**0-164**
BJI	III	26 08 31 46.1	31.93N	130.36E	8	5.5b,6.5s			**¶97iii4864**
NEIC	III	26 08 31 47.1	31.92N	130.43E	10	5.6b,5.9s			
JMA	III	26 08 31 47.9±.1	31.97N±.01	130.36E±.01	12±3	6.5			
MOS	III	26 08 31 50.5	31.9N	130.5E	33	6.1b,6.4s			
EIDC	III	26 08 31 50.5	31.9N	130.4E	32	4.9b,6.1s			
HRVD	III	26 08 31 53.0±.1	32.04N±.01	130.09E±.01	30±1.3				
NEIC	Mw6.1(HRV), Mw6.0(GS). Casualties I=X MM, landslide/avalanche observed.								
NEIC	Moment tensor solution: s20, scale 10^{18}Nm; M_{rr}0.18; $M_{\theta\theta}$0.19; $M_{\phi\phi}$−0.38; $M_{r\theta}$0.01; $M_{r\phi}$0.18; $M_{\theta\phi}$1.18. Depth 25km; Principal axes: T 1.14,Plg7°,Azm321°; N 0.18,Plg81°,Azm176°; P −1.32,Plg5°,Azm52°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S97°,δ81°,λ2°. NP2:ϕ_S7°, δ88°,λ171°.								
NEIC	At least 22 people injured, many houses damaged and landslides occurred in Kagoshima Prefecture. Railway services interrupted in Kagoshima Prefecture and airports temporarily closed at Kagoshima, Kumamoto and Miyazaki. Felt I=VI J at Akune, Togomachi and Tsuruda; V J at Miyanojo and Sendai; IV J at Hitoyoshi, Miyakonojo, Okuchi and Yatsushiro; III J at Kurume, Makurazaki, Miyazaki, Oita and Saga. Felt IV J at Ushibuka, Amakusa-Shimo-jima. Also felt in much of Shikoku and parts of western Honshu.								
JMA	Felt I=V J1								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c93; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.23±.02; $M_{\theta\theta}$0.62±.03; $M_{\phi\phi}$−0.40±.03; $M_{r\theta}$0.05±.05; $M_{r\phi}$0.04±.05; $M_{\theta\phi}$1.69±.02. Principal Axes: T 1.88,Plg2°,Azm323°; N −0.23, Plg88°,Azm142°; P −1.65,Plg0°,Azm233°. Best double couple: $M_0$1.8×10^{18}Nm, NP1:ϕ_S8°, δ89°,λ179°. NP2:ϕ_S98°,δ89°,λ1°.								
ISC	**III**	**26 08 37 19**±1.3	**31.96N**±.070	**130.4E**±.16	**5**±21			**6**	**0-1**
JMA	III	26 08 37 19.5±.1	31.96N±.01	130.41E±.02	7	3.2			**¶97iii4866**
ISC	**III**	**26 08 37 37**±1.6	**31.96N**±.075	**130.3E**±.17	**6**±20			**6**	**0-1**
JMA	III	26 08 37 37.7±.2	31.97N±.01	130.32E±.02	2	3.3			**¶97iii4867**
ISC	**III**	**26 08 38 03**±9.7	**32.0N**±.65	**130.3E**±.39	**10**			**5**	**0-1**
JMA	III	26 08 38 02.8±.2	31.98N±.01	130.34E±.02	10±4	3.3			**¶97iii4868**
ISC	Poorly determined								
ISC	**III**	**26 08 38 27.1**±.55	**31.93N**±.041	**130.36E**±.055	**8**			**22**	**0-3**
JMA	III	26 08 38 27.1±.1	31.97N±.00	130.38E±.01	8±2	3.9			**¶97iii4869**
ISC	**III**	**26 08 39 03.2**±.65	**31.92N**±.032	**130.19E**±.048	**19**±5.9	**4.4b**		**64**	**0-100**
NEIC	III	26 08 38 58.9	32.11N	130.65E	10	4.6b			**¶97iii4870**
EIDC	III	26 08 38 59.9	31.8N	129.6E	0	4.3b,4.1L			
MOS	III	26 08 39 01.9	32.0N	130.7E	33	4.7b			
JMA	III	26 08 39 02.9±.1	31.97N±.00	130.34E±.00	10±2	4.7			
NEIC	Less reliable solution.								
JMA	Felt I=IV J1								
ISC	**III**	**26 08 41 17**±1.1	**32.00N**±.073	**130.41E**±.074	**7**±13			**10**	**0-2**
JMA	III	26 08 41 17.1±.1	31.99N±.01	130.42E±.01	4±3	3.3			**¶97iii4871**
ISC	**III**	**26 08 43 34.4**±.56	**31.94N**±.041	**130.32E**±.055	**6**			**22**	**0-3**
JMA	III	26 08 43 34.5±.1	31.98N±.00	130.33E±.01	6±2	3.6			**¶97iii4872**
ISC	**III**	**26 08 44 09**±1.1	**31.97N**±.073	**130.28E**±.089	**6**±17			**9**	**0-1**
JMA	III	26 08 44 09.7±.1	31.97N±.01	130.29E±.01	5±4	3.4			**¶97iii4873**
ISC	**III**	**26 08 44 38.7**±.90	**31.97N**±.060	**130.40E**±.077	**6**±14			**8**	**0-1**
JMA	III	26 08 44 39.1±.1	31.97N±.01	130.40E±.01	7	3.2			**¶97iii4874**
ISC	**III**	**26 08 46 07.9**±.82	**31.96N**±.044	**130.32E**±.060	**4**±9.0			**17**	**0-2**
JMA	III	26 08 46 08.5±.1	31.98N±.00	130.32E±.01	10±3	3.2			**¶97iii4875**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**26 08 47 12.9**±.84	**31.96N**±.052	**130.37E**±.061	**7**±10		**17**	**0-2**
JMA	III	26 08 47 13.4±.0	31.96N±.00	130.40E±.00	8±2	3.3		**¶97iii4876**
ISC	**III**	**26 08 50 45.8**±.82	**30.8N**±.10	**130.29E**±.085	**161**±4.6	**3.5b**	**38**	**0-138**
EIDC	III	26 08 50 28.0	30.8N	130.0E	0	3.8b		**¶97iii4879**
JMA	III	26 08 50 47.2±.5	30.87N±.03	130.36E±.03	151±4			
ISC	**III**	**26 08 51 18.8**±.67	**31.95N**±.050	**130.33E**±.057	**5**		**20**	**0-3**
JMA	III	26 08 51 18.9±.1	31.97N±.01	130.33E±.01	5±3	3.5		**¶97iii4880**
ISC	**III**	**26 08 58 18.9**±.82	**31.97N**±.046	**130.31E**±.062	**8**±9.5		**15**	**0-2**
JMA	III	26 08 58 19.4±.1	31.98N±.00	130.32E±.01	7±2	2.8		**¶97iii4881**
ISC	**III**	**26 09 04 22.0**±.87	**31.98N**±.059	**130.29E**±.090	**5**±18		**8**	**0-1**
JMA	III	26 09 04 22.5±.1	31.98N±.01	130.30E±.01	8±4	2.8		**¶97iii4883**
ISC	**III**	**26 09 05 01.0**±.50	**31.95N**±.026	**130.38E**±.032	**23**±5.0	**3.9b**	**97**	**0-91**
BJI	III	26 09 04 57.3	31.65N	130.64E	15	4.4L,4.4b		**¶97iii4884**
NEIC	III	26 09 04 58.7	31.95N	130.33E	10	4.2b		
EIDC	III	26 09 04 59.0	31.9N	130.3E	0	3.8b,4.0L		
JMA	III	26 09 05 00.9±.1	31.97N±.00	130.40E±.01	13±2	4.4		
JMA	Felt I=IV J1							
ISC	**III**	**26 09 06 51.6**±.91	**31.96N**±.064	**130.41E**±.076	**6**±14		**10**	**0-2**
JMA	III	26 09 06 52.1±.1	31.96N±.01	130.42E±.01	7±4	3.3		**¶97iii4885**
ISC	**III**	**26 09 07 18**±1.1	**31.97N**±.071	**130.41E**±.097	**12**±15		**6**	**0-1**
JMA	III	26 09 07 18.1±.1	31.98N±.01	130.42E±.01	12	3.2		**¶97iii4886**
ISC	**III**	**26 09 08 17.1**±.91	**31.98N**±.055	**130.36E**±.086	**2**±18		**9**	**0-1**
JMA	III	26 09 08 17.6±.1	31.98N±.01	130.36E±.01	4	3.1		**¶97iii4887**
JMA	**III**	**26 09 08 51.0**±.3	**32.00N**±.02	**130.33E**±.02	**11**±5	**3.1**		**¶97iii4888**
ISC	**III**	**26 09 10 35.2**±.92	**31.98N**±.060	**130.29E**±.092	**6**±15		**9**	**0-1**
JMA	III	26 09 10 35.7±.1	31.98N±.00	130.30E±.01	8±3	2.8		**¶97iii4889**
ISC	**III**	**26 09 13 26**±1.2	**31.95N**±.068	**130.3E**±.12	**4**±17		**9**	**0-1**
JMA	III	26 09 13 27.2±.2	31.96N±.01	130.33E±.02	2±4	2.8		**¶97iii4890**
ISC	**III**	**26 09 15 45.5**±.63	**31.96N**±.048	**130.35E**±.050	**4**		**25**	**0-3**
JMA	III	26 09 15 45.5±.1	31.97N±.01	130.37E±.01	4±3	3.1		**¶97iii4891**
JMA	**III**	**26 09 19 29.0**±.4	**31.98N**±.01	**130.41E**±.03	**6**	**2.8**		**¶97iii4894**
ISC	**III**	**26 09 30 47.9**±.76	**31.98N**±.036	**130.39E**±.043	**9**±6.9		**40**	**0-8**
JMA	III	26 09 30 48.3±.1	31.97N±.00	130.41E±.01	10±2	4.0		**¶97iii4897**
ISC	**III**	**26 09 32 28.9**±.85	**31.96N**±.057	**130.41E**±.075	**8**±12		**9**	**0-1**
JMA	III	26 09 32 29.4±.0	31.97N±.00	130.42E±.01	9±3	3.0		**¶97iii4899**
ISC	**III**	**26 09 32 54.1**±.48	**31.95N**±.036	**130.35E**±.049	**8**		**29**	**0-4**
JMA	III	26 09 32 53.9±.1	31.97N±.00	130.41E±.01	8±3	3.5		**¶97iii4901**
ISC	**III**	**26 09 33 31.4**±.52	**31.96N**±.039	**130.40E**±.056	**6**		**20**	**0-3**
JMA	III	26 09 33 31.4±.1	31.97N±.00	130.40E±.01	6±2	3.6		**¶97iii4902**
ISC	**III**	**26 09 34 27.6**±.88	**31.98N**±.057	**130.32E**±.064	**6**±12		**10**	**0-1**
JMA	III	26 09 34 28.0±.1	31.99N±.00	130.32E±.01	9±3	3.2		**¶97iii4904**
ISC	**III**	**26 09 37 24.3**±.80	**31.95N**±.043	**130.41E**±.056	**8**±8.0		**22**	**0-3**
JMA	III	26 09 37 24.8±.0	31.97N±.00	130.42E±.01	9±2	3.4		**¶97iii4905**
ISC	**III**	**26 09 39 36.6**±.87	**31.97N**±.051	**130.40E**±.060	**5**±10		**17**	**0-2**
JMA	III	26 09 39 37.0±.0	31.98N±.00	130.41E±.00	8±2	3.0		**¶97iii4906**
ISC	**III**	**26 09 41 11**±1.2	**32.0N**±.10	**130.3E**±.12	**6**±23		**7**	**0-1**
JMA	III	26 09 41 11.4±.1	31.98N±.01	130.33E±.01	10±4	2.9		**¶97iii4907**
ISC	**III**	**26 09 43 53**±1.1	**31.96N**±.045	**130.37E**±.063	**10**±11		**19**	**0-2**
JMA	III	26 09 43 53.8±.1	31.97N±.01	130.39E±.01	12±4	3.0		**¶97iii4908**
ISC	**III**	**26 09 45 19.2**±.83	**31.98N**±.043	**130.28E**±.059	**0**±9.1		**18**	**0-2**
JMA	III	26 09 45 19.8±.1	31.99N±.00	130.30E±.00	9±2	3.0		**¶97iii4909**
ISC	**III**	**26 09 48 02.3**±.72	**31.96N**±.028	**130.31E**±.042	**10**±5.7	**4.0b**	**55**	**0-73**
NEIC	III	26 09 48 01.1	31.96N	130.26E	10			**¶97iii4910**
EIDC	III	26 09 48 01.3	32.0N	130.4E	0	3.9b,3.4L		
JMA	III	26 09 48 02.4±.1	31.98N±.00	130.34E±.01	9±2	3.7		
ISC	**III**	**26 09 51 40.6**±.84	**31.97N**±.055	**130.41E**±.074	**9**±12		**10**	**0-1**
JMA	III	26 09 51 41.0±.1	31.98N±.00	130.42E±.01	10±2	2.8		**¶97iii4912**
ISC	**III**	**26 09 53 27.3**±.51	**31.94N**±.037	**130.30E**±.054	**10**		**23**	**0-3**
JMA	III	26 09 53 27.2±.1	31.98N±.00	130.31E±.01	10±2	3.2		**¶97iii4913**
ISC	**III**	**26 09 54 32.7**±.83	**31.97N**±.055	**130.41E**±.074	**8**±12		**10**	**0-1**
JMA	III	26 09 54 33.1±.1	31.97N±.00	130.42E±.01	9±2	2.8		**¶97iii4914**
ISC	**III**	**26 09 56 06.7**±.84	**31.96N**±.057	**130.40E**±.075	**9**±12		**9**	**0-1**
JMA	III	26 09 56 07.1±.1	31.97N±.00	130.41E±.01	8±3	2.8		**¶97iii4916**
ISC	**III**	**26 10 00 37.5**±.83	**31.97N**±.051	**130.29E**±.062	**5**±11		**13**	**0-2**
JMA	III	26 10 00 38.0±.1	31.97N±.00	130.31E±.01	5±3	2.8		**¶97iii4919**
ISC	**III**	**26 10 04 08.0**±.83	**31.97N**±.054	**130.38E**±.062	**8**±10		**12**	**0-2**
JMA	III	26 10 04 08.4±.1	31.98N±.00	130.41E±.01	6±3	2.8		**¶97iii4920**
ISC	**III**	**26 10 07 51.0**±.65	**31.98N**±.049	**130.31E**±.057	**8**		**14**	**0-2**
JMA	III	26 10 07 51.2±.1	31.99N±.00	130.34E±.01	8±3	3.0		**¶97iii4922**
ISC	**III**	**26 10 16 03.3**±.64	**31.94N**±.048	**130.31E**±.057	**7**		**15**	**0-2**
JMA	III	26 10 16 03.2±.1	31.98N±.00	130.30E±.01	7±3	3.0		**¶97iii4923**
ISC	**III**	**26 10 19 13.5**±.87	**31.97N**±.054	**130.35E**±.061	**6**±11		**12**	**0-2**
JMA	III	26 10 19 14.0±.1	31.97N±.01	130.38E±.01	7±4	2.8		**¶97iii4924**
ISC	**III**	**26 10 20 19.7**±.85	**31.96N**±.050	**130.37E**±.062	**2**±10		**16**	**0-2**
JMA	III	26 10 20 20.2±.1	31.97N±.00	130.39E±.01	5±3	2.9		**¶97iii4925**
JMA	**III**	**26 10 20 44.5**±.2	**31.98N**±.01	**130.32E**±.01	**10**±3	**2.8**		**¶97iii4926**
ISC	**III**	**26 10 25 59.8**±.63	**31.97N**±.047	**130.27E**±.055	**8**		**18**	**0-2**
JMA	III	26 10 25 59.9±.1	31.99N±.00	130.32E±.01	8±3	3.0		**¶97iii4928**
ISC	**III**	**26 10 33 57.5**±.81	**31.97N**±.054	**130.39E**±.061	**9**±9.4		**14**	**0-2**
JMA	III	26 10 33 57.9±.1	31.97N±.01	130.40E±.01	12±4	2.9		**¶97iii4929**
ISC	**III**	**26 10 36 24.4**±.84	**31.96N**±.053	**130.30E**±.061	**7**±10		**13**	**0-2**
JMA	III	26 10 36 25.0±.1	31.97N±.00	130.34E±.01	8±2	2.8		**¶97iii4931**
ISC	**III**	**26 10 45 24.8**±.82	**31.96N**±.037	**130.36E**±.051	**2**±8.0		**32**	**0-4**
NEIC	III	26 10 45 24.8	31.96N	130.40E	10			**¶97iii4933**
JMA	III	26 10 45 25.4±.1	31.97N±.00	130.40E±.01	8±2	3.6		
NEIC	Single network solution.							
ISC	**III**	**26 10 54 56.2**±.61	**31.94N**±.045	**130.28E**±.051	**5**		**26**	**0-4**
JMA	III	26 10 54 56.2±.1	31.97N±.00	130.31E±.01	5±3	3.1		**¶97iii4934**
ISC	**III**	**26 11 03 52**±6.9	**31.9N**±.43	**130.4E**±.26	**6**		**5**	**0-1**
JMA	III	26 11 03 52.3±.2	31.96N±.01	130.40E±.01	6±4	2.8		**¶97iii4937**
ISC	Poorly determined							
ISC	**III**	**26 11 23 10.9**±.89	**31.98N**±.050	**130.31E**±.059	**0**±10		**18**	**0-2**
JMA	III	26 11 23 11.5±.1	31.98N±.00	130.32E±.01	7±3	3.0		**¶97iii4941**
ISC	**III**	**26 11 43 34.3**±.82	**31.97N**±.044	**130.34E**±.060	**3**±9.6		**15**	**0-2**
JMA	III	26 11 43 34.8±.1	31.98N±.01	130.36E±.01	6±4	2.8		**¶97iii4946**
ISC	**III**	**26 11 43 49.2**±.60	**31.96N**±.046	**130.33E**±.051	**9**		**25**	**0-4**
JMA	III	26 11 43 48.9±.1	31.97N±.01	130.42E±.01	9±3	3.0		**¶97iii4947**
ISC	**III**	**26 11 55 48.6**±.86	**31.98N**±.050	**130.33E**±.062	**2**±11		**16**	**0-2**
JMA	III	26 11 55 49.2±.1	31.99N±.01	130.35E±.01	6±3	2.8		**¶97iii4948**
ISC	**III**	**26 11 57 18.5**±.83	**31.98N**±.050	**130.36E**±.062	**4**±10		**15**	**0-2**
JMA	III	26 11 57 19.0±.1	31.98N±.01	130.39E±.01	9±3	2.9		**¶97iii4949**
ISC	**III**	**26 12 00 21.1**±.66	**31.98N**±.048	**130.30E**±.059	**7**		**14**	**0-2**
JMA	III	26 12 00 21.2±.1	31.99N±.00	130.30E±.01	7±3	3.0		**¶97iii4950**
ISC	**III**	**26 12 07 11.5**±.85	**31.96N**±.053	**130.35E**±.061	**7**±10		**13**	**0-2**
JMA	III	26 12 07 12.0±.1	31.97N±.01	130.38E±.01	6±4	2.9		**¶97iii4952**
ISC	**III**	**26 12 07 28.2**±.65	**31.97N**±.049	**130.35E**±.058	**7**		**15**	**0-2**
JMA	III	26 12 07 28.3±.1	31.98N±.00	130.35E±.01	7±3	2.8		**¶97iii4953**
ISC	**III**	**26 12 15 31.9**±.66	**31.91N**±.034	**129.98E**±.039	**22**±6.2	**3.9b**,3.8s	**76**	**0-82**
NEIC	III	26 12 15 29.5	31.85N	129.96E	10	4.3b		**¶97iii4954**
EIDC	III	26 12 15 29.6	31.9N	129.7E	0	3.8b,3.8L		
JMA	III	26 12 15 31.9±.1	31.99N±.00	130.01E±.01	18±2	4.1		
BJI	III	26 12 15 32.4	32.35N	130.05E	4	4.0L,4.5b		
MOS	III	26 12 15 32.5	31.9N	130.1E	33	5.4b		
BJI	Ms3.9							
ISC	**III**	**26 12 22 32.4**±.51	**31.97N**±.037	**130.32E**±.055	**7**		**22**	**0-2**
JMA	III	26 12 22 32.2±.1	31.98N±.00	130.35E±.01	7±2	3.3		**¶97iii4956**
ISC	**III**	**26 12 29 06.8**±.61	**31.95N**±.046	**130.32E**±.053	**9**		**25**	**0-3**
JMA	III	26 12 29 06.7±.0	31.98N±.00	130.41E±.00	9±2	3.2		**¶97iii4958**
ISC	**III**	**26 12 35 54.2**±.49	**31.94N**±.037	**130.38E**±.051	**10**		**28**	**0-3**
NEIC	III	26 12 35 52.8	31.96N	130.29E	10			**¶97iii4961**
JMA	III	26 12 35 53.6±.1	31.97N±.00	130.40E±.01	6±3	3.1		
NEIC	Poor solution.							
ISC	**III**	**26 12 38 37.1**±.53	**31.93N**±.040	**130.37E**±.049	**9**		**29**	**0-4**
NEIC	III	26 12 38 36.2	31.96N	130.35E	10			**¶97iii4962**
JMA	III	26 12 38 36.8±.1	31.97N±.00	130.41E±.01	9±2	3.3		
NEIC	Poor solution.							
ISC	**III**	**26 12 48 05.1**±.85	**31.96N**±.051	**130.40E**±.061	**6**±10		**15**	**0-2**
JMA	III	26 12 48 05.6±.1	31.97N±.00	130.44E±.00	7±2	2.8		**¶97iii4965**
ISC	**III**	**26 13 19 23**±2.1	**30.0N**±.22	**130.4E**±.23	**45**		**5**	**0-2**
JMA	III	26 13 19 22.4±.4	30.01N±.04	130.45E±.04	45	3.4		**¶97iii4973**
ISC	**III**	**26 13 20 43.9**±.87	**31.97N**±.059	**130.41E**±.092	**8**±14		**8**	**0-1**
JMA	III	26 13 20 44.3±.1	31.97N±.01	130.42E±.01	9±4	2.8		**¶97iii4975**
ISC	**III**	**26 13 24 04.9**±.55	**31.93N**±.027	**130.37E**±.031	**18**±5.4	**4.0b**,4.4s	**95**	**0-88**
NEIC	III	26 13 24 02.4	31.88N	130.28E	10	4.5b		**¶97iii4976**
EIDC	III	26 13 24 02.7	31.9N	130.2E	0	3.9b,3.9L		
BJI	III	26 13 24 04.1	31.90N	130.48E	11	4.4L,4.3b		
JMA	III	26 13 24 04.7±.1	31.97N±.00	130.44E±.01	9±2	4.3		
MOS	III	26 13 24 05.2	31.7N	130.4E	33	4.6b		
BJI	Ms4.5							
JMA	Felt I=IV J1							
ISC	**III**	**26 13 25 21**±1.3	**32.0N**±.11	**130.4E**±.13	**8**		**4**	**0-1**
JMA	III	26 13 25 21.6±.2	31.97N±.01	130.46E±.02	8	3.4		**¶97iii4977**
ISC	Poorly determined							
JMA	**III**	**26 13 26 36.8**±.4	**31.96N**±.01	**130.41E**±.03	**7**	**2.9**		**¶97iii4978**
ISC	**III**	**26 13 28 25.4**±.83	**31.97N**±.039	**130.33E**±.055	**6**±8.2		**22**	**0-3**
JMA	III	26 13 28 25.9±.0	31.98N±.00	130.35E±.00	9±2	3.6		**¶97iii4979**
ISC	**III**	**26 13 30 07**±1.4	**31.97N**±.071	**130.4E**±.16	**6**±20		**6**	**0-1**
JMA	III	26 13 30 07.0±.1	31.97N±.01	130.39E±.01	7±4	2.8		**¶97iii4980**
JMA	**III**	**26 13 30 16.7**±.5	**31.98N**±.01	**130.35E**±.04	**8**±4	**2.8**		**¶97iii4981**
ISC	**III**	**26 13 32 00.2**±.88	**31.98N**±.051	**130.29E**±.060	**1**±10		**16**	**0-2**
JMA	III	26 13 32 00.8±.1	31.99N±.00	130.30E±.01	9±3	2.9		**¶97iii4982**
ISC	**III**	**26 13 34 55.8**±.86	**31.96N**±.052	**130.34E**±.061	**5**±10		**14**	**0-2**
JMA	III	26 13 34 56.4±.1	31.97N±.00	130.37E±.01	7±3	2.8		**¶97iii4983**
ISC	**III**	**26 13 43 28.6**±.60	**31.99N**±.045	**130.34E**±.058	**7**		**13**	**0-2**
JMA	III	26 13 43 28.7±.1	31.98N±.00	130.34E±.01	7±3	2.9		**¶97iii4987**
ISC	**III**	**26 13 43 44**±1.0	**31.98N**±.058	**130.34E**±.073	**2**±11		**14**	**0-2**
JMA	III	26 13 43 45.0±.1	31.98N±.01	130.35E±.01	9±3	2.8		**¶97iii4988**
ISC	**III**	**26 13 48 04.0**±.51	**31.95N**±.036	**130.29E**±.051	**9**		**35**	**0-9**
NEIC	III	26 13 48 02.1	31.97N	130.20E	10			**¶97iii4989**
JMA	III	26 13 48 03.3±.0	31.98N±.00	130.32E±.00	9±2	3.4		
NEIC	Poor solution.							
ISC	**III**	**26 13 50 02.0**±.79	**31.97N**±.051	**130.38E**±.052	**1**±9.1		**22**	**0-3**
JMA	III	26 13 50 02.6±.0	31.98N±.00	130.41E±.00	8±2	3.1		**¶97iii4991**
ISC	**III**	**26 13 50 52.6**±.97	**31.97N**±.062	**130.40E**±.076	**7**±14		**12**	**0-2**
JMA	III	26 13 50 53.0±.0	31.97N±.00	130.42E±.00	6±2	2.9		**¶97iii4992**
ISC	**III**	**26 13 57 37.1**±.48	**31.93N**±.036	**130.34E**±.047	**9**		**35**	**0-4**
JMA	III	26 13 57 36.8±.1	31.97N±.00	130.38E±.00	9±2	3.4		**¶97iii4993**
ISC	**III**	**26 14 00 50.2**±.57	**31.97N**±.041	**130.26E**±.055	**10**		**20**	**0-2**
JMA	III	26 14 00 50.1±.1	31.99N±.00	130.29E±.01	10±2	3.1		**¶97iii4995**
ISC	**III**	**26 14 21 37.4**±.80	**31.96N**±.044	**130.34E**±.056	**1**±9.0		**20**	**0-3**
JMA	III	26 14 21 38.0±.1	31.97N±.00	130.35E±.01	8±2	2.9		**¶97iii4998**
ISC	**III**	**26 14 22 51.5**±.81	**31.97N**±.050	**130.32E**±.061	**5**±9.2		**18**	**0-2**
JMA	III	26 14 22 52.1±.1	31.98N±.00	130.36E±.01	10±2	3.1		**¶97iii4999**
ISC	**III**	**26 14 37 43.7**±.50	**31.99N**±.037	**130.25E**±.052	**10**		**25**	**0-3**
JMA	III	26 14 37 43.4±.1	31.99N±.00	130.29E±.01	10±2	3.1		**¶97iii5002**
ISC	**III**	**26 14 42 16.6**±.53	**31.98N**±.038	**130.27E**±.056	**8**		**18**	**0-2**
JMA	III	26 14 42 16.5±.1	31.99N±.00	130.28E±.01	8±2	2.9		**¶97iii5004**
ISC	**III**	**26 14 49 04**±5.9	**31.9N**±.36	**130.5E**±.21	**4**		**5**	**0-1**
JMA	III	26 14 49 05.0±.3	31.96N±.02	130.47E±.02	4	2.8		**¶97iii5006**
ISC	Poorly determined							
ISC	**III**	**26 15 12 35.3**±.80	**31.97N**±.052	**130.40E**±.060	**9**±9.4		**17**	**0-2**
JMA	III	26 15 12 35.7±.0	31.97N±.00	130.42E±.00	9±2	2.8		**¶97iii5011**
ISC	**III**	**26 15 14 23.1**±.97	**31.97N**±.057	**130.32E**±.085	**5**		**15**	**0-2**
JMA	III	26 15 14 23.6±.1	31.98N±.00	130.35E±.01	5±3	2.8		**¶97iii5012**
ISC	**III**	**26 15 34 35.1**±.82	**31.96N**±.052	**130.40E**±.061	**8**±9.7		**14**	**0-2**
JMA	III	26 15 34 35.6±.1	31.97N±.00	130.43E±.01	9±3	2.8		**¶97iii5017**
ISC	**III**	**26 15 42 20.0**±.91	**31.98N**±.064	**130.28E**±.079	**7**		**7**	**0-1**
JMA	III	26 15 42 20.4±.1	31.98N±.01	130.29E±.01	7	2.8		**¶97iii5018**
ISC	**III**	**26 15 55 22.4**±.87	**31.98N**±.050	**130.29E**±.059	**1**±11		**17**	**0-2**
JMA	III	26 15 55 23.0±.1	31.99N±.00	130.28E±.01	9±2	2.9		**¶97iii5022**
ISC	**III**	**26 16 03 32.0**±.51	**31.98N**±.038	**130.30E**±.052	**9**		**23**	**0-4**
JMA	III	26 16 03 31.6±.1	31.99N±.00	130.34E±.01	9±3	3.1		**¶97iii5025**
ISC	**III**	**26 16 08 56.8**±.50	**31.92N**±.036	**130.27E**±.050	**9**		**30**	**0-4**
JMA	III	26 16 08 56.6±.1	31.98N±.00	130.31E±.01	9±2	3.2		**¶97iii5027**
ISC	**III**	**26 16 25 52.5**±.85	**31.97N**±.057	**130.40E**±.075	**8**±12		**9**	**0-1**
JMA	III	26 16 25 52.9±.1	31.97N±.00	130.41E±.01	9±3	2.8		**¶97iii5029**
ISC	**III**	**26 16 26 41.2**±.53	**31.97N**±.041	**130.36E**±.050	**7**		**24**	**0-3**
JMA	III	26 16 26 41.1±.1	31.98N±.00	130.41E±.01	7±2	3.1		**¶97iii5030**
ISC	**III**	**26 16 31 45.7**±.85	**31.97N**±.053	**130.42E**±.070	**6**±12		**12**	**0-2**
JMA	III	26 16 31 46.1±.1	31.97N±.00	130.44E±.01	8±3	2.9		**¶97iii5033**
ISC	**III**	**26 16 35 42.8**±.83	**31.96N**±.050	**130.28E**±.062	**4**±10		**15**	**0-73**
JMA	III	26 16 35 43.3±.1	31.96N±.00	130.32E±.01	7±3	2.8		**¶97iii5035**
ISC	**III**	**26 16 39 43.1**±.53	**31.97N**±.038	**130.27E**±.056	**10**		**20**	**0-2**
JMA	III	26 16 39 43.1±.1	31.98N±.00	130.27E±.01	10±3	3.0		**¶97iii5036**
ISC	**III**	**26 16 51 50.0**±.54	**31.93N**±.040	**130.34E**±.051	**8**		**27**	**0-4**
JMA	III	26 16 51 50.1±.1	31.97N±.00	130.38E±.01	8±2	3.2		**¶97iii5039**
ISC	**III**	**26 16 57 47.3**±.54	**31.99N**±.039	**130.31E**±.056	**7**		**17**	**0-2**
JMA	III	26 16 57 47.0±.1	31.98N±.00	130.32E±.01	7±3	2.8		**¶97iii5041**
ISC	**III**	**26 17 03 10.3**±.96	**31.96N**±.065	**130.36E**±.084	**2**±17		**8**	**0-2**
JMA	III	26 17 03 10.7±.1	31.97N±.01	130.36E±.01	5±4	2.8		**¶97iii5042**
ISC	**III**	**26 17 48 28.1**±.84	**31.96N**±.052	**130.36E**±.061	**7**±10		**14**	**0-2**
JMA	III	26 17 48 28.5±.1	31.97N±.00	130.39E±.01	8±3	3.1		**¶97iii5045**
ISC	**III**	**26 17 52 45.1**±.85	**31.97N**±.051	**130.36E**±.057	**5**±9.6		**19**	**0-3**
JMA	III	26 17 52 45.5±.1	31.97N±.00	130.41E±.01	8±2	3.0		**¶97iii5046**
ISC	**III**	**26 18 05 01**±1.8	**31.97N**±.089	**130.3E**±.19	**4**±25		**7**	**0-1**
JMA	III	26 18 05 01.6±.2	31.98N±.01	130.30E±.01	7±4	2.8		**¶97iii5048**
ISC	Poorly determined							
ISC	**III**	**26 18 07 57.7**±.54	**31.93N**±.040	**130.33E**±.050	**8**		**28**	**0-4**
JMA	III	26 18 07 57.7±.1	31.97N±.00	130.38E±.00	8±2	3.2		**¶97iii5049**

ISC	**III**	**26 18 51 19.0**±.85	**31.97N**±.051	**130.36E**±.058	**5**±9.9		**18**	**0-2**
JMA	III	26 18 51 19.4±.1	31.97N±.00	130.41E±.01	9±2	2.9		**¶97iii5056**
ISC	**III**	**26 19 14 33.9**±.86	**31.97N**±.054	**130.39E**±.073	**6**±12		**11**	**0-2**
JMA	III	26 19 14 34.3±.1	31.97N±.01	130.40E±.01	5±3	2.8		**¶97iii5059**
ISC	**III**	**26 19 20 35.6**±.91	**31.95N**±.063	**130.31E**±.077	**5**±12		**14**	**0-2**
JMA	III	26 19 20 36.0±.1	31.96N±.01	130.32E±.01	8±3	2.8		**¶97iii5060**
ISC	**III**	**26 20 19 21.8**±.78	**32.02N**±.029	**130.44E**±.037	**2**±6.4	**3.9b**	**65**	**0-72**
JMA	III	26 20 19 22.4±.0	31.97N±.00	130.42E±.00	10±2	3.9		**¶97iii5067**
NEIC	III	26 20 19 23.0	32.05N	130.46E	10			
EIDC	III	26 20 19 24.2	32.0N	130.5E	0	3.7b,3.5L		
NEIC	Felt I=III J at Miyanojo.							
ISC	**III**	**26 20 21 41.0**±.82	**31.96N**±.052	**130.37E**±.061	**9**±9.6		**14**	**0-2**
JMA	III	26 20 21 41.4±.1	31.97N±.00	130.41E±.01	9±3	2.8		**¶97iii5069**
ISC	**III**	**26 20 30 14.6**±.92	**31.95N**±.064	**130.40E**±.085	**3**±17		**8**	**0-2**
JMA	III	26 20 30 15.1±.1	31.96N±.00	130.40E±.01	3±2	2.8		**¶97iii5072**
ISC	**III**	**26 20 30 48.0**±.88	**32.06N**±.044	**130.08E**±.063	**1**±11		**16**	**0-2**
JMA	III	26 20 30 48.7±.1	32.05N±.00	130.09E±.01	11±3	2.8		**¶97iii5073**
ISC	**III**	**26 20 36 01.1**±.90	**31.96N**±.065	**130.34E**±.077	**7**±13		**9**	**0-2**
JMA	III	26 20 36 01.6±.1	31.97N±.01	130.36E±.01	7±3	2.8		**¶97iii5074**
ISC	**III**	**26 20 43 47.0**±.39	**31.95N**±.030	**130.31E**±.041	**11**	3.2b	**56**	**0-73**
JMA	III	26 20 43 46.5±.1	31.97N±.00	130.30E±.01	11±2	3.7		**¶97iii5076**
NEIC	III	26 20 43 47.5	31.96N	130.43E	10			
EIDC	III	26 20 43 55.1	32.5N	130.5E	0	3.5L,3.2b		
NEIC	Less reliable solution.							
ISC	**III**	**26 21 31 24.2**±.82	**31.96N**±.052	**130.36E**±.061	**8**±9.7		**15**	**0-2**
JMA	III	26 21 31 24.7±.1	31.97N±.00	130.39E±.01	7±2	2.8		**¶97iii5082**
ISC	**III**	**26 22 09 40.0**±.76	**31.97N**±.057	**130.41E**±.068	**8**	3.6b	**9**	**0-73**
JMA	III	26 22 09 40.4±.1	31.97N±.00	130.42E±.01	8±4	2.8		**¶97iii5085**
ISC	**III**	**26 23 01 06**±1.2	**32.0N**±.10	**130.4E**±.11	**6**±23		**5**	**0-1**
JMA	III	26 23 01 06.0±.1	31.96N±.01	130.42E±.02	5	2.8		**¶97iii5087**
ISC	Poorly determined							
ISC	**III**	**27 00 41 02.1**±.81	**31.97N**±.047	**130.26E**±.061	**9**±9.2		**14**	**0-2**
JMA	III	27 00 41 02.6±.1	31.99N±.00	130.29E±.01	8±2	2.9		**¶97iii5103**
ISC	**III**	**27 01 19 14.5**±.85	**31.97N**±.044	**130.35E**±.060	**2**±9.8		**21**	**0-2**
JMA	III	27 01 19 15.2±.1	31.98N±.00	130.37E±.01	5±2	3.1		**¶97iii5108**
ISC	**III**	**27 01 38 27**±6.9	**31.4N**±.20	**130.3E**±.50	**207**±50		**15**	**1-5**
JMA	III	27 01 38 27.3±.3	31.38N±.03	130.42E±.06	203			**¶97iii5112**
ISC	**III**	**27 01 54 47.8**±.85	**31.96N**±.057	**130.33E**±.063	**7**±11		**11**	**0-2**
JMA	III	27 01 54 48.1±.1	31.96N±.01	130.34E±.01	9±4	2.8		**¶97iii5114**
ISC	**III**	**27 02 13 13.0**±.89	**31.94N**±.053	**130.29E**±.072	**3**±12		**10**	**0-2**
JMA	III	27 02 13 13.4±.1	31.94N±.01	130.32E±.01	4±4	2.8		**¶97iii5117**
ISC	**III**	**27 02 16 59.1**±.88	**31.97N**±.057	**130.33E**±.068	**7**±11		**10**	**0-2**
JMA	III	27 02 16 59.5±.1	31.98N±.01	130.35E±.01	10±4	2.8		**¶97iii5118**
ISC	**III**	**27 02 51 13**±1.0	**31.99N**±.076	**130.28E**±.096	**5**±22		**6**	**0-1**
JMA	III	27 02 51 13.0±.1	31.98N±.01	130.29E±.01	8	2.8		**¶97iii5122**
ISC	**III**	**27 03 18 46**±1.1	**31.98N**±.059	**130.35E**±.078	**7**±10		**13**	**0-2**
JMA	III	27 03 18 46.7±.1	31.98N±.00	130.38E±.01	9±3	2.8		**¶97iii5126**
ISC	**III**	**27 04 38 00**±1.6	**31.98N**±.075	**130.3E**±.17	**4**±21		**6**	**0-1**
JMA	III	27 04 38 00.0±.2	31.98N±.01	130.29E±.02	8±4	2.8		**¶97iii5142**
ISC	**III**	**27 05 13 14.0**±.83	**31.99N**±.041	**130.33E**±.060	**2**±9.6		**15**	**0-2**
JMA	III	27 05 13 14.5±.1	31.99N±.00	130.33E±.01	7±2	2.9		**¶97iii5146**
ISC	**III**	**27 06 06 43.3**±.84	**31.97N**±.041	**130.34E**±.058	**6**±8.9		**16**	**0-2**
JMA	III	27 06 06 43.8±.1	31.98N±.00	130.36E±.01	7±2	3.0		**¶97iii5150**
ISC	**III**	**27 06 09 38.0**±.85	**31.97N**±.052	**130.35E**±.064	**4**±11		**12**	**0-2**
JMA	III	27 06 09 38.6±.1	31.98N±.00	130.36E±.01	10±3	2.8		**¶97iii5152**
ISC	**III**	**27 06 11 45.5**±.88	**31.97N**±.060	**130.40E**±.077	**7**±14		**8**	**0-1**
JMA	III	27 06 11 46.0±.1	31.98N±.01	130.41E±.01	8±4	2.9		**¶97iii5153**
ISC	**III**	**27 06 32 48.9**±.82	**31.96N**±.054	**130.35E**±.063	**10**±10		**12**	**0-2**
JMA	III	27 06 32 49.4±.0	31.97N±.00	130.38E±.01	10±2	2.9		**¶97iii5157**
ISC	**III**	**27 06 51 03.6**±.86	**31.96N**±.054	**130.38E**±.074	**6**±12		**11**	**0-2**
JMA	III	27 06 51 04.0±.1	31.97N±.00	130.40E±.01	7±3	2.8		**¶97iii5159**
ISC	**III**	**27 09 10 09.0**±.80	**31.96N**±.040	**130.35E**±.057	**4**±8.3		**21**	**0-3**
JMA	III	27 09 10 09.6±.1	31.98N±.00	130.38E±.01	8±2	3.2		**¶97iii5178**
ISC	**III**	**27 09 17 53.6**±.49	**31.95N**±.036	**130.31E**±.050	**7**		**27**	**0-3**
JMA	III	27 09 17 53.6±.1	31.99N±.00	130.32E±.01	7±2	3.2		**¶97iii5182**
ISC	**III**	**27 10 05 53.3**±.58	**31.99N**±.043	**130.34E**±.055	**6**		**18**	**0-2**
JMA	III	27 10 05 53.5±.1	31.99N±.00	130.38E±.01	6±2	2.9		**¶97iii5192**
ISC	**III**	**27 10 30 15.8**±.80	**31.97N**±.044	**130.39E**±.056	**0**±9.2		**20**	**0-3**
JMA	III	27 10 30 16.4±.1	31.97N±.01	130.42E±.01	9±4	2.9		**¶97iii5197**
ISC	**III**	**27 11 50 40.8**±.80	**31.96N**±.039	**130.36E**±.054	**1**±8.6		**20**	**0-2**
JMA	III	27 11 50 41.3±.1	31.97N±.00	130.38E±.01	6±2	3.1		**¶97iii5215**
ISC	**III**	**27 12 26 29.4**±.83	**31.98N**±.034	**130.28E**±.050	**1**±7.8	3.1b	**33**	**0-73**
JMA	III	27 12 26 30.0±.1	31.99N±.00	130.29E±.01	11±2	3.6		**¶97iii5226**
ISC	**III**	**27 13 19 57.1**±.81	**31.98N**±.050	**130.25E**±.061	**4**±9.7		**16**	**0-2**
JMA	III	27 13 19 57.6±.1	31.98N±.00	130.29E±.01	9±3	2.8		**¶97iii5232**
ISC	**III**	**27 14 28 35.6**±.88	**31.97N**±.041	**130.33E**±.057	**4**±9.0		**21**	**0-2**
JMA	III	27 14 28 36.2±.1	31.97N±.00	130.39E±.01	9±2	3.0		**¶97iii5243**
ISC	**III**	**27 14 31 12.2**±.77	**31.97N**±.038	**130.37E**±.051	**1**±7.8		**29**	**0-4**
JMA	III	27 14 31 12.8±.1	31.98N±.00	130.40E±.00	7±2	3.3		**¶97iii5245**
ISC	**III**	**27 15 02 14.9**±.88	**31.97N**±.067	**130.35E**±.079	**9**±13		**10**	**0-1**
								¶97iii5249
ISC	**III**	**27 15 03 45.3**±.83	**31.95N**±.037	**130.40E**±.049	**10**±7.2		**36**	**0-5**
JMA	III	27 15 03 45.8±.1	31.98N±.00	130.41E±.01	11±3	3.5		**¶97iii5251**
ISC	**III**	**27 15 29 26.6**±.91	**31.97N**±.044	**130.38E**±.061	**9**±9.2		**15**	**0-2**
JMA	III	27 15 29 27.1±.1	31.97N±.00	130.40E±.01	8±3	2.8		**¶97iii5257**
ISC	**III**	**27 15 29 46.6**±.92	**31.97N**±.053	**130.3E**±.11	**4**		**17**	**0-2**
JMA	III	27 15 29 46.6±.2	31.98N±.01	130.32E±.02	4±3	2.8		**¶97iii5258**
ISC	**III**	**27 17 51 52.5**±.93	**31.95N**±.030	**130.36E**±.042	**12**±6.9	**4.1b**	**71**	**0-73**
EIDC	III	27 17 51 52.4	32.0N	130.4E	0	4.0b,3.5L		**¶97iii5275**
JMA	III	27 17 51 52.5±.1	31.97N±.01	130.32E±.01	14±2	4.1		
NEIC	III	27 17 51 52.7	32.09N	130.37E	10	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**27 18 56 19.3**±.80	**31.94N**±.032	**130.35E**±.043	**6**±6.7	3.5b	**55**	**0-55**
NEIC	III	27 18 56 18.7	31.94N	130.33E	10			**¶97iii5287**
EIDC	III	27 18 56 19.8	31.8N	129.4E	0	3.4b,3.4L		
JMA	III	27 18 56 19.9±.1	31.97N±.00	130.38E±.01	7±2	3.9		
ISC	**III**	**27 19 34 11.2**±.80	**31.94N**±.039	**130.36E**±.056	**9**±8.0		**21**	**0-2**
JMA	III	27 19 34 11.8±.1	31.97N±.00	130.40E±.01	9±2	3.1		**¶97iii5292**
ISC	**III**	**27 19 37 29.6**±.50	**31.95N**±.038	**130.34E**±.050	**12**		**28**	**0-4**
JMA	III	27 19 37 29.4±.1	31.97N±.01	130.37E±.01	12±4	3.2		**¶97iii5294**
ISC	**III**	**27 19 42 48**±2.7	**31.4N**±.28	**130.0E**±.30	**152**		**8**	**0-2**
JMA	III	27 19 42 38.1±5.2	30.87N±.05	129.23E±.15	152			**¶97iii5296**
JMA	**III**	**27 20 02 36.7**±1.1	**30.42N**±.05	**131.32E**±.06	**17**	**3.1**		**¶97iii5298**
ISC	**III**	**27 20 14 18.3**±.52	**31.97N**±.037	**130.28E**±.055	**7**		**20**	**0-2**
JMA	III	27 20 14 18.4±.1	31.97N±.00	130.30E±.01	7±3	3.0		**¶97iii5302**
ISC	**III**	**27 20 41 01.2**±.58	**30.33N**±.041	**131.30E**±.067	**37**±10	**4.1b**	**42**	**0-71**
BJI	III	27 20 40 58.1	30.13N	131.48E	11	4.0b		**¶97iii5307**
NEIC	III	27 20 40 59.2	30.17N	131.65E	10	3.9b		
JMA	III	27 20 41 01.6±.4	30.38N±.02	131.21E±.03	41±4	3.7		
EIDC	III	27 20 41 10.2	30.6N	131.8E	116	3.8s,3.6b		
ISC	**III**	**27 20 50 18.6**±.85	**31.97N**±.056	**130.41E**±.079	**9**±12		**9**	**0-1**
JMA	III	27 20 50 19.0±.1	31.97N±.01	130.42E±.01	9±4	2.8		**¶97iii5308**
ISC	**III**	**27 23 13 34.3**±.50	**31.98N**±.037	**130.27E**±.051	**9**		**24**	**0-3**
JMA	III	27 23 13 34.3±.1	31.99N±.00	130.29E±.01	9±2	2.9		**¶97iii5328**
ISC	**III**	**28 01 38 10.7**±.81	**31.98N**±.042	**130.36E**±.058	**1**±9.3		**19**	**0-2**
JMA	III	28 01 38 11.3±.1	31.97N±.00	130.38E±.01	7±3	3.2		**¶97iii5343**
ISC	**III**	**28 04 03 17.4**±.75	**31.98N**±.042	**130.40E**±.057	**1**±9.4		**16**	**0-2**
JMA	III	28 04 03 18.0±.1	31.97N±.00	130.41E±.01	8±3	2.8		**¶97iii5357**
ISC	**III**	**28 04 19 41.9**±.76	**31.96N**±.038	**130.38E**±.054	**0**±8.2		**22**	**0-3**
JMA	III	28 04 19 42.7±.1	31.98N±.00	130.43E±.01	7±2	2.8		**¶97iii5358**
ISC	**III**	**28 07 53 28.1**±.58	**31.97N**±.041	**130.35E**±.055	**4**		**18**	**0-2**
JMA	III	28 07 53 28.5±.1	31.97N±.01	130.38E±.01	4±4	3.3		**¶97iii5383**
ISC	**III**	**28 08 55 34**±1.3	**32.00N**±.087	**130.29E**±.075	**5**		**12**	**0-2**
JMA	III	28 08 55 34.4±.2	31.99N±.01	130.30E±.01	5±4	2.8		**¶97iii5397**
ISC	**III**	**28 09 27 55.3**±.85	**31.97N**±.050	**130.42E**±.070	**4**±11		**12**	**0-2**
JMA	III	28 09 27 55.8±.1	31.97N±.01	130.42E±.01	6±4	2.8		**¶97iii5405**
ISC	**III**	**28 10 40 41.2**±.72	**31.95N**±.032	**130.38E**±.045	**0**±6.8		**43**	**0-5**
JMA	III	28 10 40 42.0±.1	31.98N±.00	130.43E±.01	9±3	3.6		**¶97iii5424**
ISC	**III**	**28 10 41 03**±1.9	**32.0N**±.13	**130.4E**±.13	**11**±19		**7**	**0-1**
JMA	III	28 10 41 03.6±.1	31.99N±.01	130.42E±.01	11±4	3.6		**¶97iii5425**
ISC	Poorly determined							
ISC	**III**	**28 11 50 20.6**±.81	**31.97N**±.043	**130.37E**±.059	**3**±9.6		**17**	**0-2**
JMA	III	28 11 50 21.2±.1	31.97N±.01	130.38E±.01	7±4	2.8		**¶97iii5431**
ISC	**III**	**28 12 13 48.2**±.90	**31.99N**±.056	**130.29E**±.084	**1**±20		**9**	**0-1**
								¶97iii5435
ISC	**III**	**28 12 32 13.1**±.57	**31.94N**±.041	**130.39E**±.062	**15**		**23**	**0-2**
JMA	III	28 12 32 12.8±.1	31.97N±.01	130.41E±.01	15±3	3.5		**¶97iii5438**
ISC	**III**	**28 12 35 19.1**±.65	**31.98N**±.048	**130.41E**±.058	**6**		**13**	**0-2**
JMA	III	28 12 35 19.7±.1	31.97N±.01	130.44E±.01	6±3	3.0		**¶97iii5439**
ISC	**III**	**28 17 41 57.8**±.77	**31.96N**±.040	**130.38E**±.049	**5**±7.2		**33**	**0-5**
JMA	III	28 17 41 58.4±.1	31.97N±.00	130.41E±.01	8±3	3.7		**¶97iii5465**
ISC	**III**	**28 19 30 50.3**±.57	**31.96N**±.041	**130.27E**±.055	**7**		**22**	**0-2**
JMA	III	28 19 30 50.6±.1	31.99N±.00	130.29E±.01	7±3	3.0		**¶97iii5472**
JMA	**III**	**28 20 15 33.0**±.3	**31.26N**±.05	**130.34E**±.06	**65**			**¶97iii5477**
ISC	**III**	**28 21 31 12.0**±.64	**31.97N**±.046	**130.36E**±.056	**7**		**16**	**0-2**
JMA	III	28 21 31 12.3±.1	31.97N±.00	130.36E±.01	7±2	2.9		**¶97iii5485**
ISC	**III**	**29 00 01 17.2**±.90	**31.96N**±.044	**130.40E**±.064	**9**±9.0		**15**	**0-2**
JMA	III	29 00 01 17.7±.1	31.98N±.00	130.42E±.01	8±2	3.2		**¶97iii5504**
ISC	**III**	**29 00 15 17.0**±.79	**31.96N**±.043	**130.42E**±.066	**7**±9.4		**14**	**0-2**
JMA	III	29 00 15 17.5±.1	31.97N±.00	130.42E±.01	7±3	3.2		**¶97iii5505**
ISC	**III**	**29 00 24 39.5**±.94	**31.97N**±.068	**130.4E**±.11	**4**±21		**7**	**0-1**
JMA	III	29 00 24 39.9±.1	31.97N±.01	130.44E±.01	8±5	2.8		**¶97iii5506**
ISC	**III**	**29 01 16 31.9**±.56	**31.96N**±.041	**130.25E**±.052	**11**		**27**	**0-4**
JMA	III	29 01 16 31.6±.1	31.98N±.00	130.31E±.01	11±3	3.4		**¶97iii5514**
JMA	**III**	**29 01 31 05.0**±.3	**31.16N**±.02	**131.62E**±.02	**37**±2	**2.9**		**¶97iii5516**
ISC	**III**	**29 03 46 45.2**±.80	**32.00N**±.043	**130.27E**±.058	**3**±9.5		**15**	**0-2**
JMA	III	29 03 46 45.7±.1	31.99N±.00	130.29E±.01	9±3	3.2		**¶97iii5527**
ISC	**III**	**29 03 54 55**±1.1	**31.99N**±.095	**130.41E**±.073	**5**		**9**	**0-2**
JMA	III	29 03 54 55.1±.2	31.97N±.01	130.42E±.01	5	2.8		**¶97iii5528**
ISC	**III**	**29 03 55 08.5**±.82	**31.97N**±.048	**130.41E**±.060	**3**±10		**14**	**0-2**
JMA	III	29 03 55 09.1±.2	31.97N±.01	130.43E±.01	3±5	2.8		**¶97iii5529**
ISC	**III**	**29 06 50 20.5**±.79	**31.97N**±.048	**130.39E**±.059	**6**±8.3	3.3b	**16**	**0-73**
JMA	III	29 06 50 21.1±.1	31.98N±.00	130.42E±.01	7±2	2.8		**¶97iii5551**
ISC	**III**	**29 08 01 55.4**±.83	**32.00N**±.040	**130.27E**±.058	**1**±8.9		**19**	**0-2**
JMA	III	29 08 01 55.9±.1	31.98N±.00	130.30E±.01	8±2	2.9		**¶97iii5558**
ISC	**III**	**29 11 51 04.8**±.65	**31.99N**±.046	**130.28E**±.056	**7**		**16**	**0-2**
JMA	III	29 11 51 05.1±.1	31.99N±.00	130.29E±.01	7±3	2.8		**¶97iii5579**
ISC	**III**	**29 12 04 17.0**±.80	**32.00N**±.042	**130.26E**±.059	**3**±9.3		**15**	**0-2**
JMA	III	29 12 04 17.5±.1	31.99N±.00	130.28E±.01	8±2	2.9		**¶97iii5581**
ISC	**III**	**29 12 05 33.8**±.55	**31.94N**±.039	**130.35E**±.052	**6**		**27**	**0-3**
JMA	III	29 12 05 33.9±.1	31.97N±.00	130.41E±.01	6±2	3.2		**¶97iii5582**
ISC	**III**	**29 12 40 29.7**±.50	**31.99N**±.037	**130.35E**±.051	**8**		**27**	**0-3**
JMA	III	29 12 40 29.8±.1	31.99N±.00	130.38E±.01	8±2	3.1		**¶97iii5588**
ISC	**III**	**29 13 13 27.6**±.46	**31.96N**±.033	**130.24E**±.048	**9**		**36**	**0-4**
JMA	III	29 13 13 27.4±.1	31.99N±.00	130.31E±.01	9±2	3.8		**¶97iii5591**
ISC	**III**	**29 15 09 41.5**±.79	**31.96N**±.043	**130.39E**±.054	**1**±8.5		**26**	**0-3**
JMA	III	29 15 09 42.1±.1	31.98N±.00	130.42E±.01	7±2	3.0		**¶97iii5608**
ISC	**III**	**29 15 32 11.9**±.84	**31.96N**±.039	**130.29E**±.059	**3**±8.8		**19**	**0-2**
JMA	III	29 15 32 12.5±.1	31.97N±.00	130.30E±.01	8±2	2.9		**¶97iii5610**
ISC	**III**	**29 15 48 46.9**±.51	**31.95N**±.037	**130.27E**±.051	**10**		**29**	**0-4**
JMA	III	29 15 48 46.7±.1	31.98N±.00	130.35E±.01	10±2	3.3		**¶97iii5611**
ISC	**III**	**29 17 24 06**±1.6	**31.96N**±.079	**130.4E**±.19	**3**±26		**7**	**0-1**
JMA	III	29 17 24 06.8±.2	31.97N±.01	130.35E±.01	8±4	2.8		**¶97iii5626**
ISC	Poorly determined							
ISC	**III**	**29 18 05 13.7**±.88	**31.96N**±.043	**130.27E**±.059	**0**±9.6		**24**	**0-3**
JMA	III	29 18 05 14.3±.1	31.98N±.00	130.32E±.01	9±2	3.1		**¶97iii5630**
ISC	**III**	**29 18 42 36.7**±.87	**31.98N**±.052	**130.29E**±.076	**3**±13		**13**	**0-2**
JMA	III	29 18 42 37.2±.1	31.98N±.01	130.30E±.01	9±3	2.8		**¶97iii5633**
ISC	**III**	**29 20 35 18**±1.3	**30.56N**±.079	**130.9E**±.11	**6**±11		**11**	**0-3**
JMA	III	29 20 35 18.3±.3	30.55N±.02	130.91E±.03	12±4	3.3		**¶97iii5642**
ISC	**III**	**29 21 19 24.0**±.60	**31.96N**±.046	**130.38E**±.052	**8**		**21**	**0-4**
JMA	III	29 21 19 24.0±.1	31.98N±.00	130.42E±.01	8±2	3.2		**¶97iii5647**
ISC	**III**	**29 21 58 59.6**±.84	**31.99N**±.043	**130.33E**±.061	**6**±9.3		**15**	**0-2**
JMA	III	29 21 59 00.0±.1	31.98N±.00	130.35E±.01	9±3	2.9		**¶97iii5652**
ISC	**III**	**30 02 03 29.5**±.84	**31.97N**±.054	**130.34E**±.061	**7**±10		**12**	**0-2**
JMA	III	30 02 03 29.9±.1	31.98N±.00	130.37E±.01	8±3	3.0		**¶97iii5677**
ISC	**III**	**30 04 39 14.6**±.66	**31.97N**±.048	**130.32E**±.059	**8**		**13**	**0-2**
JMA	III	30 04 39 14.7±.1	31.97N±.00	130.32E±.01	8±3	2.9		**¶97iii5697**
ISC	**III**	**30 09 09 35.0**±.82	**31.99N**±.054	**130.35E**±.062	**9**±10		**12**	**0-2**
JMA	III	30 09 09 35.5±.1	32.00N±.00	130.39E±.01	8±3	2.9		**¶97iii5731**
ISC	**III**	**30 09 22 02.2**±.60	**31.96N**±.043	**130.29E**±.056	**6**		**16**	**0-2**
JMA	III	30 09 22 02.4±.1	31.96N±.00	130.32E±.01	6±3	3.0		**¶97iii5734**
ISC	**III**	**30 09 24 57.2**±.87	**31.97N**±.052	**130.35E**±.059	**5**±10		**15**	**0-2**
JMA	III	30 09 24 57.6±.1	31.97N±.00	130.41E±.01	8±3	3.2		**¶97iii5735**
ISC	**III**	**30 14 34 58.7**±.82	**32.00N**±.044	**130.27E**±.060	**5**±9.7		**14**	**0-2**
JMA	III	30 14 34 59.1±.1	31.99N±.00	130.29E±.01	9±3	2.9		**¶97iii5766**
ISC	**III**	**30 17 41 39.0**±.82	**31.98N**±.041	**130.30E**±.060	**3**±9.2		**16**	**0-2**
JMA	III	30 17 41 39.5±.1	31.98N±.00	130.33E±.01	7±3	3.1		**¶97iii5780**
ISC	**III**	**30 19 32 26.0**±.55	**31.96N**±.042	**130.38E**±.054	**7**		**18**	**0-2**
JMA	III	30 19 32 26.1±.1	31.96N±.00	130.41E±.01	7±3	2.9		**¶97iii5791**
ISC	**III**	**30 19 50 26.6**±.84	**31.99N**±.044	**130.34E**±.060	**3**±9.9		**15**	**0-2**
JMA	III	30 19 50 27.0±.1	31.97N±.00	130.36E±.01	7±3	2.9		**¶97iii5796**
ISC	**III**	**30 20 05 21.2**±.87	**31.96N**±.039	**130.42E**±.055	**4**±8.8		**22**	**0-3**
JMA	III	30 20 05 21.7±.1	31.97N±.00	130.45E±.01	8±2	3.2		**¶97iii5797**
ISC	**III**	**30 20 45 40.5**±.81	**31.98N**±.050	**130.26E**±.062	**5**±9.9		**14**	**0-2**
JMA	III	30 20 45 41.0±.0	31.99N±.00	130.28E±.00	9±2	2.9		**¶97iii5801**
ISC	**III**	**30 21 25 37.8**±.83	**31.96N**±.050	**130.40E**±.072	**9**±11		**10**	**0-2**
JMA	III	30 21 25 38.2±.1	31.96N±.01	130.41E±.01	11±3	2.8		**¶97iii5810**
ISC	**III**	**30 22 48 17.5**±.83	**31.97N**±.053	**130.36E**±.061	**8**±10		**13**	**0-2**
JMA	III	30 22 48 18.0±.1	31.97N±.01	130.38E±.01	10±4	2.9		**¶97iii5816**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**31 00 04 09.8**±.50	**31.94N**±.037	**130.21E**±.048	**8**	3.2b	**35**	**0-73**
JMA	III	31 00 04 09.9±.1	31.99N±.00	130.29E±.01	8±3	3.6		**¶97iii5820**
ISC	**III**	**31 01 54 40**±1.2	**32.3N**±.10	**130.66E**±.083	**10**±15		**9**	**0-2**
JMA	III	31 01 54 38.9±.2	32.35N±.03	130.73E±.02	8	2.8		**¶97iii5830**
ISC	**III**	**31 03 02 45.7**±.59	**31.99N**±.044	**130.30E**±.057	**10**		**16**	**0-2**
JMA	III	31 03 02 45.7±.2	31.98N±.01	130.33E±.01	10±5	2.8		**¶97iii5837**
ISC	**III**	**31 03 56 58.7**±.62	**31.99N**±.044	**130.39E**±.062	**7**		**13**	**0-2**
JMA	III	31 03 56 58.8±.1	31.98N±.01	130.40E±.01	7±3	2.8		**¶97iii5840**
ISC	**III**	**31 04 33 28.3**±.79	**31.96N**±.037	**130.41E**±.048	**6**±7.5		**37**	**0-5**
JMA	III	31 04 33 28.8±.1	31.97N±.00	130.42E±.01	7±3	3.7		**¶97iii5841**
ISC	**III**	**31 05 10 59.7**±.82	**31.96N**±.043	**130.38E**±.059	**3**±9.0		**21**	**0-3**
JMA	III	31 05 11 00.3±.1	31.98N±.00	130.42E±.01	8±2	3.2		**¶97iii5845**
JMA	**III**	**31 05 11 21.7**±.5	**31.99N**±.01	**130.41E**±.04	**5**±3	**3.1**		**¶97iii5846**
ISC	**III**	**31 06 55 58.4**±.77	**31.95N**±.035	**130.40E**±.052	**9**±7.3		**28**	**0-3**
JMA	III	31 06 55 58.9±.1	31.97N±.00	130.42E±.01	9±2	3.3		**¶97iii5855**
ISC	**III**	**31 07 00 52.3**±.82	**31.95N**±.038	**130.37E**±.051	**6**±7.9		**28**	**0-4**
JMA	III	31 07 00 52.8±.1	31.97N±.00	130.42E±.01	7±2	3.3		**¶97iii5856**
ISC	**III**	**31 07 51 50.8**±.45	**31.95N**±.033	**130.00E**±.047	**10**	**3.4b**	**44**	**0-73**
NEIC	III	31 07 51 48.9	31.84N	129.94E	10			**¶97iii5863**
EIDC	III	31 07 51 50.0	31.9N	129.9E	0	3.4b,3.8L		
JMA	III	31 07 51 51.3±.1	31.99N±.00	130.03E±.01	14±2	3.8		
NEIC	Less reliable solution.							
ISC	**III**	**31 08 29 39**±6.3	**30.6N**±.49	**131.1E**±.43	**26**±20		**5**	**0-2**
JMA	III	31 08 29 37.1±.9	30.48N±.05	131.21E±.06	32	2.9		**¶97iii5867**
ISC	Poorly determined							
ISC	**III**	**31 10 15 49.6**±.50	**31.99N**±.038	**130.36E**±.052	**8**		**22**	**0-3**
JMA	III	31 10 15 49.5±.1	31.99N±.00	130.38E±.01	8±2	2.9		**¶97iii5875**
ISC	**III**	**31 11 55 31.9**±.82	**31.97N**±.039	**130.38E**±.058	**3**±8.8		**19**	**0-2**
JMA	III	31 11 55 32.4±.1	31.97N±.00	130.41E±.01	7±2	2.9		**¶97iii5884**
ISC	**III**	**31 12 01 49.2**±.79	**31.96N**±.038	**130.32E**±.053	**8**±7.6		**28**	**0-4**
JMA	III	31 12 01 49.7±.1	31.98N±.00	130.33E±.01	8±2	3.5		**¶97iii5886**
ISC	**III**	**31 12 13 23.4**±.80	**31.94N**±.038	**130.41E**±.051	**7**±7.7		**26**	**0-3**
JMA	III	31 12 13 23.9±.1	31.97N±.00	130.42E±.01	7±3	3.3		**¶97iii5887**
ISC	**III**	**31 17 06 56.5**±.83	**31.96N**±.052	**130.37E**±.061	**7**±9.9		**14**	**0-2**
JMA	III	31 17 06 57.0±.1	31.97N±.00	130.41E±.01	8±3	2.8		**¶97iii5910**
ISC	**III**	**31 17 14 29.7**±.82	**31.95N**±.034	**130.37E**±.049	**6**±7.6		**34**	**0-5**
JMA	III	31 17 14 30.2±.1	31.98N±.00	130.43E±.01	9±2	3.6		**¶97iii5911**
ISC	**III**	**31 17 47 22.0**±.60	**31.98N**±.043	**130.38E**±.061	**7**		**14**	**0-2**
JMA	III	31 17 47 22.1±.1	31.97N±.00	130.39E±.01	7±3	2.9		**¶97iii5914**
ISC	**III**	**31 23 25 02.8**±.86	**31.97N**±.045	**130.34E**±.058	**5**±9.5		**17**	**0-2**
JMA	III	31 23 25 03.2±.1	31.97N±.00	130.38E±.01	8±2	2.8		**¶97iii5944**
ISC	**IV**	**01 02 32 27.5**±.80	**31.95N**±.043	**130.38E**±.053	**7**±8.0		**25**	**0-4**
JMA	IV	01 02 32 28.0±.1	31.97N±.00	130.42E±.01	7±2	3.2		**¶97iv0013**
ISC	**IV**	**01 05 21 17.6**±.86	**31.95N**±.051	**130.42E**±.060	**6**±10		**14**	**0-2**
JMA	IV	01 05 21 18.1±.1	31.96N±.00	130.45E±.01	7±3	2.9		**¶97iv0023**
ISC	**IV**	**01 07 52 34.2**±.71	**32.73N**±.039	**130.80E**±.045	**5**±7.9		**23**	**0-2**
JMA	IV	01 07 52 34.6±.0	32.72N±.00	130.81E±.01	11±2	2.8		**¶97iv0034**
ISC	**IV**	**01 12 44 07.2**±.50	**31.96N**±.037	**130.34E**±.051	**6**		**24**	**0-3**
JMA	IV	01 12 44 07.3±.0	31.98N±.00	130.37E±.00	6±1	3.1		**¶97iv0070**
ISC	**IV**	**01 15 31 20.6**±.84	**31.96N**±.050	**130.34E**±.062	**4**±11		**16**	**0-2**
JMA	IV	01 15 31 21.2±.1	31.97N±.00	130.38E±.01	7±2	2.9		**¶97iv0090**
ISC	**IV**	**02 00 49 21.9**±.66	**31.93N**±.048	**130.30E**±.059	**6**		**21**	**0-4**
JMA	IV	02 00 49 21.9±.2	31.97N±.01	130.31E±.01	6±4	3.3		**¶97iv0166**
ISC	**IV**	**02 09 37 33.5**±.56	**31.96N**±.042	**130.34E**±.053	**9**		**22**	**0-3**
JMA	IV	02 09 37 33.4±.0	31.98N±.00	130.41E±.00	9±2	3.2		**¶97iv0226**
ISC	**IV**	**02 11 37 05**±1.4	**30.61N**±.085	**131.0E**±.16	**28**±9.1		**12**	**0-3**
JMA	IV	02 11 37 04.4±.2	30.61N±.02	131.08E±.03	33±2	3.2		**¶97iv0239**
ISC	**IV**	**02 11 49 08.8**±.47	**31.96N**±.035	**130.26E**±.052	**10**		**25**	**0-3**
JMA	IV	02 11 49 08.5±.1	31.99N±.00	130.29E±.01	10±3	3.6		**¶97iv0243**
ISC	**IV**	**02 11 57 54.0**±.82	**31.96N**±.038	**130.38E**±.052	**6**±8.0		**25**	**0-3**
JMA	IV	02 11 57 54.5±.0	31.97N±.00	130.40E±.00	9±2	3.7		**¶97iv0244**
ISC	**IV**	**02 16 07 47.1**±.84	**31.97N**±.044	**130.41E**±.060	**6**±9.2		**18**	**0-2**
JMA	IV	02 16 07 47.6±.1	31.98N±.00	130.44E±.01	8±2	3.0		**¶97iv0269**
ISC	**IV**	**02 18 48 30.4**±.59	**31.94N**±.042	**130.29E**±.057	**8**		**17**	**0-2**
JMA	IV	02 18 48 30.5±.1	31.95N±.00	130.33E±.01	8±2	3.0		**¶97iv0289**
ISC	**IV**	**02 19 33 22.7**±.62	**31.93N**±.021	**130.31E**±.020	**13**±4.0	**5.1b,5.1s**	**392**	**0-157**
MOS	IV	02 19 33 21.1	31.9N	130.3E	10	5.5b,5.3s		**¶97iv0292**
EIDC	IV	02 19 33 21.3	31.9N	130.3E	0	4.8b,4.6s		
BJI	IV	02 19 33 21.6	31.91N	130.32E	11	5.5L,5.1b		
NEIC	IV	02 19 33 22.2	31.82N	130.09E	10	5.1b,5.0s		
JMA	IV	02 19 33 23.3±.1	31.97N±.00	130.32E±.01	15±2	5.6		
HRVD	IV	02 19 33 26.5±.3	31.82N±.05	130.17E±.06	15			
BJI	Ms5.6							
NEIC	Mw5.5(HRV)							
NEIC	At least four people injured, five buildings damaged, landslides, avalanches and road damage in Kagoshima Prefecture. Felt I=V J at Akune, Miyanojo and Sendai. Felt in parts of Kumamoto and Miyazaki Prefectures.							
JMA	Felt I=V J1							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c50; Half duration: 1$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.20±.07; $M_{\theta\theta}$0.38±.06; $M_{\phi\phi}$−0.18±.09; $M_{r\theta}$0.83±.24; $M_{r\phi}$0.58±.25; $M_{\theta\phi}$1.58±.07. Principal Axes: T 2.14,Plg23°,Azm321°; N −0.62, Plg66°,Azm128°; P −1.52,Plg5°,Azm229°. Best double couple: $M_0$1.8×10^{17}Nm, NP1:ϕ_S2°, δ70°,λ166°. NP2:ϕ_S97°,δ77°,λ20°.							
ISC	**IV**	**02 19 37 10**±3.5	**32.0N**±.19	**130.3E**±.20	**4**±29		**7**	**0-1**
JMA	IV	02 19 37 10.6±.2	31.99N±.01	130.30E±.02	8	3.5		**¶97iv0293**
ISC	Poorly determined							
ISC	**IV**	**02 19 38 02.9**±.89	**31.97N**±.064	**130.32E**±.078	**8**		**8**	**0-1**
JMA	IV	02 19 38 03.3±.1	31.98N±.01	130.34E±.01	8±3	3.3		**¶97iv0294**
JMA	**IV**	**02 19 38 27.4**±.4	**31.98N**±.01	**130.31E**±.02	**10**±4	**2.8**		**¶97iv0295**
ISC	**IV**	**02 19 39 39.6**±.92	**31.95N**±.060	**130.32E**±.092	**6**±16		**8**	**0-1**
JMA	IV	02 19 39 40.0±.1	31.96N±.00	130.32E±.01	8±4	2.8		**¶97iv0296**
ISC	**IV**	**02 19 41 53.0**±.81	**31.97N**±.053	**130.29E**±.061	**9**±9.7		**14**	**0-2**
JMA	IV	02 19 41 53.5±.1	31.97N±.00	130.33E±.00	9±2	3.1		**¶97iv0297**
ISC	**IV**	**02 19 45 20.1**±.83	**31.97N**±.053	**130.27E**±.061	**8**±10		**15**	**0-2**
JMA	IV	02 19 45 20.6±.0	31.97N±.00	130.31E±.00	10±2	2.9		**¶97iv0298**
ISC	**IV**	**02 19 46 45.1**±.81	**31.97N**±.050	**130.28E**±.061	**4**±9.6		**16**	**0-2**
JMA	IV	02 19 46 45.7±.0	31.98N±.00	130.30E±.00	10±2	3.0		**¶97iv0299**
ISC	**IV**	**02 19 52 25.7**±.84	**31.97N**±.038	**130.30E**±.055	**0**±8.5		**22**	**0-3**
JMA	IV	02 19 52 26.2±.1	31.97N±.00	130.32E±.01	8±2	3.4		**¶97iv0301**
ISC	**IV**	**02 20 05 33.6**±.58	**31.99N**±.043	**130.28E**±.057	**7**		**17**	**0-4**
JMA	IV	02 20 05 33.7±.1	31.99N±.00	130.29E±.01	7±3	2.8		**¶97iv0302**
ISC	**IV**	**02 20 13 03.7**±.46	**32.00N**±.034	**130.28E**±.052	**8**		**26**	**0-4**
JMA	IV	02 20 13 03.3±.0	31.99N±.00	130.29E±.00	8±2	3.4		**¶97iv0305**
ISC	**IV**	**02 21 24 58.4**±.90	**31.98N**±.045	**130.32E**±.073	**1**±12		**14**	**0-2**
JMA	IV	02 21 24 58.9±.1	31.98N±.00	130.32E±.01	7±3	2.8		**¶97iv0320**
ISC	**IV**	**02 21 52 54.3**±.82	**31.99N**±.044	**130.28E**±.061	**4**±9.5		**15**	**0-2**
JMA	IV	02 21 52 54.8±.0	31.99N±.00	130.31E±.00	10±2	3.2		**¶97iv0324**
ISC	**IV**	**02 22 02 42.3**±.86	**31.97N**±.053	**130.29E**±.061	**6**±11		**14**	**0-2**
JMA	IV	02 22 02 42.7±.1	31.97N±.00	130.32E±.01	7±3	2.9		**¶97iv0327**
ISC	**IV**	**02 22 03 08.7**±.65	**31.96N**±.048	**130.30E**±.059	**8**		**15**	**0-2**
JMA	IV	02 22 03 08.8±.1	31.97N±.00	130.31E±.01	8±2	3.1		**¶97iv0328**
ISC	**IV**	**02 22 06 41.6**±.58	**31.97N**±.042	**130.29E**±.057	**6**		**17**	**0-2**
JMA	IV	02 22 06 41.6±.1	31.97N±.00	130.31E±.01	6±2	3.2		**¶97iv0331**
ISC	**IV**	**02 22 58 49.5**±.81	**31.98N**±.044	**130.29E**±.061	**5**±9.5		**15**	**0-2**
JMA	IV	02 22 58 50.0±.1	31.97N±.00	130.32E±.01	8±2	3.0		**¶97iv0347**
ISC	**IV**	**02 23 18 49.9**±.88	**31.97N**±.052	**130.38E**±.083	**3**±15		**11**	**0-2**
JMA	IV	02 23 18 50.3±.2	31.97N±.01	130.39E±.01	4±4	2.8		**¶97iv0348**
ISC	**IV**	**02 23 50 31.7**±.85	**31.96N**±.052	**130.36E**±.060	**6**±10		**15**	**0-2**
JMA	IV	02 23 50 32.2±.1	31.97N±.00	130.41E±.00	8±2	3.1		**¶97iv0352**
ISC	**IV**	**03 00 25 42.3**±.84	**31.97N**±.053	**130.27E**±.061	**8**±10		**17**	**0-2**
JMA	IV	03 00 25 42.8±.1	31.97N±.00	130.30E±.01	10±2	2.9		**¶97iv0355**
ISC	**IV**	**03 00 45 50.2**±.82	**31.99N**±.041	**130.28E**±.060	**4**±9.5		**15**	**0-2**
JMA	IV	03 00 45 50.6±.1	31.98N±.00	130.31E±.01	9±2	2.9		**¶97iv0357**
ISC	**IV**	**03 00 46 52.5**±.47	**31.98N**±.035	**130.29E**±.052	**9**		**23**	**0-2**
JMA	IV	03 00 46 52.2±.1	31.98N±.00	130.31E±.01	9±2	3.4		**¶97iv0358**
ISC	**IV**	**03 01 03 21.7**±.84	**32.00N**±.041	**130.30E**±.060	**3**±9.7		**16**	**0-2**
JMA	IV	03 01 03 22.1±.0	31.99N±.00	130.33E±.00	8±2	3.0		**¶97iv0360**
ISC	**IV**	**03 02 39 06**±3.5	**31.9N**±.11	**130.8E**±.25	**175**±30		**19**	**1-4**
JMA	IV	03 02 39 07.1±.3	31.94N±.02	130.83E±.03	170±3			**¶97iv0367**
ISC	**IV**	**03 07 23 31.0**±.82	**31.96N**±.052	**130.41E**±.062	**8**±9.8		**14**	**0-2**
JMA	IV	03 07 23 31.5±.1	31.97N±.00	130.44E±.01	8±2	2.9		**¶97iv0391**
ISC	**IV**	**03 07 26 15**±1.3	**30.7N**±.10	**130.8E**±.10	**2**±34		**5**	**0-1**
JMA	IV	03 07 26 15.3±.2	30.66N±.01	130.84E±.01	1±5	3.0		**¶97iv0392**
ISC	Poorly determined							
ISC	**IV**	**03 08 04 13.8**±.82	**31.98N**±.053	**130.40E**±.059	**1**±12		**13**	**0-2**
JMA	IV	03 08 04 14.4±.1	31.97N±.00	130.40E±.01	7±2	2.9		**¶97iv0396**
ISC	**IV**	**03 14 13 16.3**±.61	**31.96N**±.041	**130.36E**±.063	**8**		**18**	**0-2**
JMA	IV	03 14 13 16.3±.1	31.97N±.00	130.39E±.01	8±3	3.0		**¶97iv0440**
ISC	**IV**	**03 14 19 21**±1.0	**31.96N**±.050	**130.37E**±.073	**8**±9.8		**13**	**0-2**
JMA	IV	03 14 19 21.3±.1	31.97N±.00	130.41E±.01	7±3	2.8		**¶97iv0442**
ISC	**IV**	**03 17 32 19.0**±.86	**31.96N**±.044	**130.40E**±.060	**5**±9.4		**17**	**0-2**
JMA	IV	03 17 32 19.5±.1	31.97N±.00	130.42E±.01	5±2	2.9		**¶97iv0457**
ISC	**IV**	**03 17 33 41.2**±.59	**31.97N**±.032	**130.39E**±.032	**20**±5.5	**4.2b,4.5s**	**113**	**0-157**
MOS	IV	03 17 33 36.0	31.5N	130.5E	10	4.6b,4.5s		**¶97iv0458**
NEIC	IV	03 17 33 38.7	31.87N	130.40E	10	4.4b,4.3s		
BJI	IV	03 17 33 39.6	31.91N	130.61E	13	4.5L,4.5b		
JMA	IV	03 17 33 40.6±.1	31.96N±.01	130.39E±.01	14±3	4.6		
EIDC	IV	03 17 33 42.2	31.9N	130.3E	20	4.0b,3.7s		
BJI	Ms4.7							
JMA	Felt I= IV J1							
ISC	**IV**	**03 17 37 47.9**±.82	**31.98N**±.042	**130.38E**±.061	**7**±9.2		**14**	**0-2**
JMA	IV	03 17 37 48.2±.1	31.97N±.00	130.41E±.01	7±2	3.0		**¶97iv0460**
ISC	**IV**	**03 17 40 10.7**±.84	**31.97N**±.040	**130.38E**±.059	**6**±8.7		**18**	**0-2**
JMA	IV	03 17 40 11.1±.1	31.97N±.00	130.41E±.01	8±2	3.3		**¶97iv0461**
ISC	**IV**	**04 04 56 12**±1.6	**31.30N**±.068	**130.4E**±.12	**178**±18		**26**	**0-4**
JMA	IV	04 04 56 13.7±.2	31.30N±.01	130.38E±.01	165±2			**¶97iv0545**
ISC	**IV**	**04 13 18 08.2**±.89	**31.97N**±.053	**130.41E**±.072	**4**±12		**13**	**0-2**
JMA	IV	04 13 18 08.7±.0	31.97N±.00	130.43E±.01	10±2	2.8		**¶97iv0618**
ISC	**IV**	**04 18 15 12.4**±.61	**31.95N**±.046	**130.37E**±.053	**6**		**20**	**0-3**
JMA	IV	04 18 15 12.6±.1	31.96N±.00	130.43E±.01	6±2	3.0		**¶97iv0643**
ISC	**IV**	**05 04 24 50.9**±.48	**31.97N**±.024	**130.41E**±.025	**26**±4.3	**4.4b,4.8s**	**159**	**0-88**
JMA	IV	05 04 24 50.1±.1	31.97N±.00	130.40E±.01	12±2	4.8		**¶97iv0689**
EIDC	IV	05 04 24 50.3	31.9N	130.4E	16	4.2b,4.2L		
MOS	IV	05 04 24 50.9	31.9N	130.5E	33	5.1b,4.7s		
NEIC	IV	05 04 24 51.0	31.95N	130.43E	33	4.7b,4.8s		
BJI	IV	05 04 24 51.1	31.89N	130.46E	33	5.2L,4.7b		
HRVD	IV	05 04 24 57.0±.7	32.35N±.09	130.11E±.11	33			
JMA	Felt I= VI J1							
NEIC	Mw5.1(HRV)							
NEIC	Felt I=V J at Miyanojo and Sendai.							
BJI	Ms5.1							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.12±.43; $M_{\theta\theta}$2.39±.39; $M_{\phi\phi}$−1.27±.55; $M_{r\theta}$−1.44±.96; $M_{r\phi}$0.95±1.06; $M_{\theta\phi}$4.31±.47. Principal Axes: T 5.32,Plg6°,Azm148°; N −0.51, Plg66°,Azm252°; P −4.81,Plg23°,Azm55°. Best double couple: $M_0$5.1×10^{16}Nm, NP1: ϕ_S194°,δ69°,λ−168°. NP2:ϕ_S99°,δ78°,λ−21°.							
ISC	**IV**	**05 04 30 13.8**±.84	**31.94N**±.044	**130.38E**±.059	**6**±8.9		**18**	**0-2**
JMA	IV	05 04 30 14.2±.1	31.97N±.00	130.41E±.01	7±2	3.3		**¶97iv0691**
ISC	**IV**	**05 05 00 52.4**±.81	**31.97N**±.047	**130.29E**±.069	**9**±9.7		**13**	**0-2**
JMA	IV	05 05 00 52.9±.1	31.98N±.01	130.31E±.01	11±3	3.0		**¶97iv0697**
ISC	**IV**	**05 05 28 48.7**±.88	**31.97N**±.052	**130.42E**±.061	**5**±11		**13**	**0-2**
JMA	IV	05 05 28 49.1±.1	31.97N±.00	130.43E±.01	8±3	2.9		**¶97iv0705**
ISC	**IV**	**05 06 01 18.1**±.86	**31.96N**±.054	**130.40E**±.074	**6**±12		**11**	**0-2**
JMA	IV	05 06 01 18.5±.1	31.96N±.00	130.41E±.01	5±3	2.8		**¶97iv0710**
ISC	**IV**	**05 08 28 12**±1.1	**31.96N**±.063	**130.42E**±.097	**8**±13		**8**	**0-1**
JMA	IV	05 08 28 12.6±.1	31.97N±.00	130.43E±.01	8±4	2.8		**¶97iv0738**
ISC	**IV**	**05 12 18 32.1**±.83	**31.96N**±.042	**130.36E**±.054	**3**±8.5		**25**	**0-3**
JMA	IV	05 12 18 32.6±.1	31.99N±.00	130.40E±.01	7±2	3.1		**¶97iv0766**
ISC	**IV**	**05 12 33 43.3**±.92	**31.97N**±.067	**130.4E**±.10	**7**±17		**7**	**0-1**
JMA	IV	05 12 33 43.8±.1	31.98N±.00	130.42E±.01	8±3	2.9		**¶97iv0769**
ISC	**IV**	**05 13 04 01.5**±.81	**31.96N**±.048	**130.30E**±.062	**9**±9.2		**14**	**0-2**
JMA	IV	05 13 04 02.0±.1	31.97N±.00	130.33E±.01	6±3	2.8		**¶97iv0772**
ISC	**IV**	**05 13 43 25.0**±.82	**31.96N**±.042	**130.34E**±.054	**3**±8.2		**29**	**0-4**
JMA	IV	05 13 43 25.5±.1	31.97N±.00	130.41E±.01	7±2	3.2		**¶97iv0778**
ISC	**IV**	**05 17 46 34**±4.6	**33.3N**±.17	**131.6E**±.50	**110**		**10**	**1-2**
JMA	IV	05 17 46 34.0±.2	33.38N±.01	131.66E±.02	110±2			**¶97iv0818**
ISC	**IV**	**05 18 59 59.1**±.57	**31.94N**±.041	**130.32E**±.055	**4**		**19**	**0-2**
JMA	IV	05 18 59 59.4±.1	31.97N±.00	130.34E±.01	4±3	2.8		**¶97iv0830**
ISC	**IV**	**05 19 42 18.0**±.75	**31.96N**±.042	**130.23E**±.047	**11**±6.7	3.4b	**47**	**0-73**
EIDC	IV	05 19 42 16.9	32.0N	130.2E	0	3.1L,3.4b		**¶97iv0838**
JMA	IV	05 19 42 18.4±.1	31.99N±.00	130.29E±.01	11±2	3.6		
NEIC	IV	05 19 42 19.0	31.97N	130.25E	33	3.2b		
NEIC	Poor solution.							
ISC	**IV**	**05 20 41 43**±1.3	**31.98N**±.071	**130.4E**±.15	**6**±20		**7**	**0-1**
JMA	IV	05 20 41 43.5±.1	31.99N±.00	130.44E±.01	7±3	2.9		**¶97iv0851**
ISC	**IV**	**06 01 32 25.8**±.85	**31.95N**±.042	**130.43E**±.052	**4**±8.5		**28**	**0-4**
JMA	IV	06 01 32 26.3±.1	31.97N±.00	130.47E±.01	8±2	3.2		**¶97iv0898**
ISC	**IV**	**06 06 16 45.0**±.81	**31.94N**±.042	**130.37E**±.050	**6**±8.0		**32**	**0-5**
JMA	IV	06 06 16 45.5±.1	31.97N±.00	130.39E±.01	11±3	3.4		**¶97iv0945**
ISC	**IV**	**06 07 23 57.4**±.77	**31.95N**±.043	**130.42E**±.055	**0**±8.6		**32**	**0-4**
JMA	IV	06 07 23 58.1±.1	31.97N±.00	130.41E±.01	9±2	3.5		**¶97iv0960**
ISC	**IV**	**06 12 28 54.5**±.84	**31.99N**±.054	**130.28E**±.062	**7**±10		**14**	**0-2**
JMA	IV	06 12 28 54.9±.1	32.00N±.00	130.32E±.01	11±2	3.0		**¶97iv0993**
ISC	**IV**	**06 18 43 24.6**±.90	**31.27N**±.052	**130.50E**±.085	**164**±11		**47**	**0-6**
JMA	IV	06 18 43 25.1±.2	31.27N±.01	130.52E±.02	160±2			**¶97iv1036**
ISC	**IV**	**06 20 42 15.5**±.50	**31.95N**±.037	**130.38E**±.052	**7**		**25**	**0-3**
JMA	IV	06 20 42 15.4±.1	31.97N±.00	130.42E±.00	7±2	3.1		**¶97iv1050**
ISC	**IV**	**06 21 58 04**±1.5	**30.53N**±.083	**130.9E**±.11	**2**±13		**10**	**0-2**
JMA	IV	06 21 58 04.2±.2	30.50N±.01	130.91E±.02	6±3	3.1		**¶97iv1063**

ISC	**IV**	**06 22 03 47**±2.0	**30.5N**±.15	**130.9E**±.17	**3**±17			**6**	**0-2**
JMA	IV	06 22 03 47.7±.2	30.54N±.02	130.86E±.02	2±4	3.0		**¶97iv1064**	
ISC	**IV**	**06 23 00 37.9**±.86	**31.96N**±.045	**130.40E**±.060	**5**±9.7			**15**	**0-2**
JMA	IV	06 23 00 38.4±.1	31.97N±.00	130.43E±.01	7±2	2.8		**¶97iv1068**	
ISC	**IV**	**07 17 57 17.7**±.84	**31.97N**±.039	**130.31E**±.059	**2**±9.0			**20**	**0-2**
JMA	IV	07 17 57 18.3±.1	31.98N±.00	130.34E±.01	7±3	3.0		**¶97iv1202**	
ISC	**IV**	**07 20 04 28**±1.3	**31.2N**±.20	**130.4E**±.25	**142**			**6**	**0-2**
JMA	IV	07 20 04 28.6±.3	31.16N±.02	130.39E±.02	142±3			**¶97iv1216**	
JMA	**IV**	**08 04 05 35.9**±.2	**32.74N**±.02	**131.43E**±.03	**109**±3			**¶97iv1273**	
ISC	**IV**	**08 08 21 24.8**±.89	**31.97N**±.034	**130.41E**±.047	**8**±8.3	3.6b		**45**	**0-73**
JMA	IV	08 08 21 25.3±.0	31.99N±.00	130.43E±.00	8±2	3.7		**¶97iv1298**	
EIDC	IV	08 08 21 26.1	31.9N	130.5E	0	3.1L,3.5b			
ISC	**IV**	**08 15 14 10.5**±.83	**31.96N**±.043	**130.37E**±.056	**6**±8.6			**21**	**0-2**
JMA	IV	08 15 14 11.0±.0	31.99N±.00	130.41E±.00	8±2	2.9		**¶97iv1350**	
ISC	**IV**	**08 15 18 00.7**±.86	**31.95N**±.044	**130.38E**±.059	**4**±9.4			**18**	**0-2**
JMA	IV	08 15 18 01.2±.1	31.97N±.00	130.42E±.01	8±2	2.9		**¶97iv1353**	
ISC	**IV**	**08 19 17 16.3**±.85	**31.95N**±.037	**130.44E**±.051	**2**±8.3			**34**	**0-4**
JMA	IV	08 19 17 16.9±.0	31.98N±.00	130.45E±.00	11±2	3.3		**¶97iv1392**	
ISC	**IV**	**08 21 04 25.2**±.77	**31.94N**±.037	**130.39E**±.050	**8**±7.3			**39**	**0-6**
JMA	IV	08 21 04 25.7±.1	31.97N±.00	130.42E±.01	7±2	3.5		**¶97iv1405**	
ISC	**IV**	**09 00 36 04.7**±.89	**31.99N**±.053	**130.31E**±.083	**1**±15			**12**	**0-2**
JMA	IV	09 00 36 05.2±.1	31.99N±.00	130.31E±.01	9±2	2.8		**¶97iv1433**	
ISC	**IV**	**09 00 43 59.3**±.81	**31.97N**±.055	**130.41E**±.073	**2**±14			**13**	**0-2**
JMA	IV	09 00 43 59.9±.1	31.97N±.00	130.42E±.01	8±2	2.8		**¶97iv1434**	
ISC	**IV**	**09 05 34 58.3**±.63	**31.95N**±.048	**130.40E**±.055	**7**			**16**	**0-3**
JMA	IV	09 05 34 58.3±.1	31.96N±.00	130.42E±.01	7±3	3.0		**¶97iv1463**	
ISC	**IV**	**09 06 23 41.0**±.82	**31.98N**±.052	**130.43E**±.059	**1**±12			**13**	**0-2**
JMA	IV	09 06 23 41.5±.1	31.97N±.00	130.42E±.01	7±2	2.8		**¶97iv1466**	
ISC	**IV**	**09 11 16 50.9**±.83	**30.9N**±.11	**130.3E**±.19	**130**			**8**	**0-2**
JMA	IV	09 11 16 50.8±.2	30.89N±.01	130.34E±.02	130±3			**¶97iv1506**	
ISC	**IV**	**09 13 31 17.4**±.83	**31.96N**±.046	**130.33E**±.060	**7**±9.3			**16**	**0-2**
JMA	IV	09 13 31 17.9±.1	31.98N±.00	130.35E±.01	7±3	2.9		**¶97iv1520**	
ISC	**IV**	**09 14 05 02**±1.4	**30.16N**±.082	**130.4E**±.13	**15**±18			**9**	**0-3**
JMA	IV	09 14 05 02.2±.2	30.13N±.02	130.45E±.03	21±4	3.1		**¶97iv1526**	
ISC	**IV**	**09 14 20 10.5**±.57	**31.91N**±.029	**130.44E**±.027	**20**±4.9	**4.4b,4.5s**		**142**	**0-88**
BJI	IV	09 14 20 07.7	31.79N	130.61E	14	4.9L,4.6b		**¶97iv1532**	
NEIC	IV	09 14 20 08.7	31.86N	130.46E	10	4.7b,4.5s			
MOS	IV	09 14 20 08.9	31.9N	130.6E	10	4.9b,4.6s			
EIDC	IV	09 14 20 09.0	31.9N	130.4E	0	4.3b,3.9s			
JMA	IV	09 14 20 10.4±.1	31.97N±.00	130.41E±.01	11±2	4.8			
BJI	Ms4.9								
JMA	Felt I= IV J1								
ISC	**IV**	**09 14 23 01.3**±.98	**31.88N**±.035	**130.35E**±.055	**31**±8.1	**4.3b,**4.5s		**82**	**0-88**
NEIC	IV	09 14 22 57.9	31.86N	130.37E	10	4.7b		**¶97iv1534**	
MOS	IV	09 14 22 58.1	31.7N	130.2E	10	4.7b			
EIDC	IV	09 14 22 58.3	31.8N	130.4E	0	4.1b,3.9L			
BJI	IV	09 14 22 59.4	31.64N	131.06E	35	4.7b,4.6s			
JMA	IV	09 14 22 59.9±.0	31.97N±.00	130.42E±.00	9±2	4.5			
NEIC	Less reliable solution.								
ISC	**IV**	**09 14 27 33.8**±.97	**31.96N**±.059	**130.39E**±.093	**10**±12			**10**	**0-2**
JMA	IV	09 14 27 34.3±.1	31.97N±.00	130.41E±.01	10±2	3.0		**¶97iv1535**	
ISC	**IV**	**09 14 42 48.7**±.56	**31.96N**±.042	**130.34E**±.053	**8**			**23**	**0-3**
JMA	IV	09 14 42 48.7±.1	31.97N±.00	130.41E±.01	8±2	3.1		**¶97iv1537**
ISC	**IV**	**09 14 52 28.1**±.79	**31.96N**±.052	**130.41E**±.059	**2**±10			**15**	**0-2**
JMA	IV	09 14 52 28.6±.0	31.96N±.00	130.42E±.00	8±2	2.9		**¶97iv1539**
ISC	**IV**	**09 14 53 46.4**±.82	**31.97N**±.052	**130.38E**±.061	**8**±10			**14**	**0-2**
JMA	IV	09 14 53 46.9±.1	31.98N±.00	130.41E±.01	8±3	2.8		**¶97iv1540**
ISC	**IV**	**09 17 25 34.8**±.53	**31.98N**±.039	**130.33E**±.056	**7**			**20**	**0-2**
JMA	IV	09 17 25 34.8±.1	31.97N±.00	130.35E±.01	7±3	2.9		**¶97iv1560**
ISC	**IV**	**09 19 46 29.1**±.76	**31.96N**±.034	**130.41E**±.048	**8**±7.1			**37**	**0-4**
JMA	IV	09 19 46 29.6±.0	31.97N±.00	130.41E±.01	10±2	3.5		**¶97iv1570**
ISC	**IV**	**09 19 52 58.8**±.78	**31.96N**±.043	**130.40E**±.062	**1**±9.4			**20**	**0-3**
JMA	IV	09 19 52 59.4±.1	31.96N±.00	130.42E±.01	9±2	3.0		**¶97iv1573**
ISC	**IV**	**09 22 35 36**±1.2	**30.54N**±.076	**130.8E**±.10	**7**±10			**12**	**0-2**
JMA	IV	09 22 35 35.9±.4	30.52N±.03	130.87E±.03	12±4	3.3		**¶97iv1591**
ISC	**IV**	**10 05 44 00.0**±.67	**31.98N**±.050	**130.32E**±.060	**8**			**12**	**0-2**
JMA	IV	10 05 44 00.2±.1	31.99N±.00	130.33E±.01	8±3	2.8		**¶97iv1639**
ISC	**IV**	**10 07 31 02**±1.1	**32.48N**±.054	**129.76E**±.074	**7**±10			**13**	**0-2**
JMA	IV	10 07 31 02.2±.0	32.48N±.00	129.78E±.00	10±1	2.9		**¶97iv1652**
ISC	**IV**	**10 10 15 35.0**±.51	**31.96N**±.039	**130.39E**±.053	**8**			**22**	**0-3**
JMA	IV	10 10 15 35.1±.0	31.97N±.00	130.43E±.00	8±2	3.0		**¶97iv1671**
ISC	**IV**	**10 12 08 18.3**±.86	**31.96N**±.053	**130.40E**±.070	**6**±12			**12**	**0-2**
JMA	IV	10 12 08 18.6±.1	31.96N±.01	130.41E±.01	4±4	2.8		**¶97iv1687**
ISC	**IV**	**10 12 34 02.7**±.85	**31.99N**±.039	**130.40E**±.060	**2**±9.4			**17**	**0-2**
JMA	IV	10 12 34 03.1±.1	31.97N±.00	130.42E±.01	9±2	3.0		**¶97iv1692**
ISC	**IV**	**10 16 54 16**±1.3	**31.21N**±.091	**130.6E**±.17	**145**±16			**29**	**0-6**
JMA	IV	10 16 54 15.5±.2	31.18N±.01	130.54E±.02	151±3			**¶97iv1716**
ISC	**IV**	**10 18 34 55.9**±.84	**31.98N**±.053	**130.31E**±.061	**7**±10			**13**	**0-2**
JMA	IV	10 18 34 56.3±.1	31.99N±.00	130.33E±.00	8±2	2.9		**¶97iv1729**
ISC	**IV**	**10 20 29 20.9**±.82	**31.96N**±.038	**130.36E**±.056	**3**±8.4			**29**	**0-4**
JMA	IV	10 20 29 21.5±.0	31.97N±.00	130.40E±.00	10±2	3.2		**¶97iv1744**
ISC	**IV**	**10 20 52 06.0**±.84	**31.96N**±.052	**130.38E**±.060	**6**±9.8			**15**	**0-2**
JMA	IV	10 20 52 06.5±.1	31.97N±.00	130.41E±.01	8±2	2.9		**¶97iv1747**
ISC	**IV**	**10 22 11 54**±1.9	**30.5N**±.15	**130.9E**±.23	**10**±16			**7**	**0-2**
JMA	IV	10 22 11 54.5±.4	30.53N±.02	130.92E±.04	15±4	3.1		**¶97iv1753**
ISC	**IV**	**11 01 08 20.2**±.74	**33.08N**±.039	**130.69E**±.043	**6**±7.4			**25**	**0-3**
JMA	IV	11 01 08 20.5±.0	33.08N±.00	130.68E±.00	12±2	3.0		**¶97iv1772**
ISC	**IV**	**11 11 46 26**±3.2	**31.2N**±.26	**130.3E**±.73	**153**			**5**	**0-2**
JMA	IV	11 11 46 26.3±.2	31.18N±.02	130.32E±.05	153			**¶97iv1890**	
ISC	Poorly determined								
JMA	**IV**	**11 13 40 28.9**±.3	**30.54N**±.02	**130.89E**±.02	**4**	**2.9**		**¶97iv1911**	
ISC	**IV**	**12 05 56 24.9**±.86	**31.98N**±.047	**130.37E**±.062	**6**±9.9			**13**	**0-2**
JMA	IV	12 05 56 25.4±.2	31.98N±.01	130.40E±.01	5±5	2.9		**¶97iv2014**	
ISC	**IV**	**12 06 26 52**±1.0	**32.62N**±.071	**131.70E**±.065	**7**±11			**12**	**0-2**
JMA	IV	12 06 26 52.6±.1	32.62N±.01	131.70E±.01	12±3	2.8		**¶97iv2016**	
ISC	**IV**	**12 10 44 23.6**±.60	**31.98N**±.047	**130.40E**±.054	**7**			**23**	**0-3**
JMA	IV	12 10 44 23.7±.1	32.00N±.00	130.47E±.01	7±2	2.8		**¶97iv2052**	
ISC	**IV**	**12 11 02 33**±2.3	**31.8N**±.13	**129.2E**±.16	**5**			**14**	**0-2**
JMA	IV	12 11 02 32.8±.3	31.81N±.01	129.19E±.02	5±4	3.1		**¶97iv2053**	
ISC	**IV**	**12 12 38 13.4**±.81	**31.96N**±.052	**130.36E**±.060	**9**±9.8			**15**	**0-2**
JMA	IV	12 12 38 13.8±.1	31.97N±.00	130.40E±.01	8±2	2.8		**¶97iv2066**	
ISC	**IV**	**12 14 56 53.7**±.62	**31.97N**±.046	**130.39E**±.055	**8**			**17**	**0-2**
JMA	IV	12 14 56 53.9±.1	31.98N±.00	130.45E±.01	8±2	2.8		**¶97iv2084**	
ISC	**IV**	**12 20 44 13.0**±.95	**31.99N**±.051	**129.93E**±.069	**1**±12			**12**	**0-1**
JMA	IV	12 20 44 13.5±.1	31.98N±.00	129.95E±.01	7±3	2.8		**¶97iv2127**	
ISC	**IV**	**12 21 50 16**±5.0	**31.4N**±.12	**130.4E**±.23	**172**±50			**10**	**0-2**
JMA	IV	12 21 50 16.5±.4	31.36N±.01	130.38E±.02	163±4			**¶97iv2136**	
ISC	**IV**	**13 08 05 29.4**±.81	**31.96N**±.052	**130.39E**±.060	**8**±9.4			**17**	**0-3**
JMA	IV	13 08 05 29.9±.1	31.97N±.00	130.41E±.01	7±2	3.0		**¶97iv2212**	
ISC	**IV**	**13 11 03 35.3**±.83	**31.98N**±.044	**130.30E**±.057	**1**±8.5	2.9b		**20**	**0-73**
JMA	IV	13 11 03 35.9±.1	31.98N±.00	130.32E±.01	9±2	3.0		**¶97iv2227**	
ISC	**IV**	**13 15 55 19.8**±.76	**31.94N**±.035	**130.38E**±.049	**9**±7.1			**35**	**0-5**
JMA	IV	13 15 55 20.3±.1	31.97N±.00	130.39E±.01	10±2	3.5		**¶97iv2260**	
ISC	**IV**	**13 16 02 05.6**±.85	**31.98N**±.040	**130.25E**±.059	**2**±9.3			**19**	**0-2**
JMA	IV	13 16 02 06.2±.1	31.99N±.00	130.29E±.01	8±3	3.0		**¶97iv2262**	
ISC	**IV**	**13 20 03 11.8**±.52	**31.97N**±.038	**130.30E**±.054	**8**			**23**	**0-3**
JMA	IV	13 20 03 11.7±.1	31.99N±.00	130.34E±.00	8±2	3.0		**¶97iv2293**	
ISC	**IV**	**14 01 35 07.5**±.84	**31.97N**±.046	**130.24E**±.058	**7**±8.9			**18**	**0-2**
JMA	IV	14 01 35 08.0±.1	32.00N±.00	130.27E±.01	8±3	3.1		**¶97iv2361**	
ISC	**IV**	**14 03 49 53.1**±.99	**31.96N**±.048	**130.41E**±.070	**7**±9.6			**15**	**0-2**
JMA	IV	14 03 49 53.6±.1	31.97N±.01	130.45E±.01	10±3	2.8		**¶97iv2383**	
ISC	**IV**	**14 09 17 23.4**±.50	**31.95N**±.037	**130.34E**±.050	**7**			**28**	**0-3**
JMA	IV	14 09 17 23.5±.1	31.97N±.00	130.38E±.01	7±2	3.2		**¶97iv2428**	
ISC	**IV**	**14 10 03 00.5**±.82	**31.97N**±.041	**130.35E**±.059	**4**±9.4			**19**	**0-3**
JMA	IV	14 10 03 01.0±.1	31.97N±.00	130.38E±.01	7±2	2.8		**¶97iv2438**	
ISC	**IV**	**15 00 10 04.9**±.64	**31.94N**±.049	**130.30E**±.059	**8**			**19**	**0-3**
JMA	IV	15 00 10 04.9±.1	31.97N±.00	130.34E±.01	8±3	2.9		**¶97iv2530**	
ISC	**IV**	**15 00 33 36.2**±.85	**31.96N**±.040	**130.27E**±.055	**2**±8.7			**24**	**0-3**
JMA	IV	15 00 33 36.8±.1	31.99N±.00	130.29E±.01	9±2	3.3		**¶97iv2535**	
ISC	**IV**	**15 09 38 47**±1.2	**32.37N**±.071	**131.31E**±.087	**77**±17			**21**	**0-3**
JMA	IV	15 09 38 46.8±.3	32.39N±.01	131.29E±.02	79±4			**¶97iv2586**	
ISC	**IV**	**16 00 48 20.6**±.67	**31.00N**±.057	**130.41E**±.068	**168**±6.6	3.2b		**55**	**1-73**
EIDC	IV	16 00 47 48.8	28.6N	130.3E	0	3.6L,3.6b		**¶97iv2672**	
JMA	IV	16 00 48 21.9±.2	31.01N±.01	130.40E±.02	153±2				
ISC	**IV**	**16 09 36 48.0**±.78	**31.97N**±.051	**130.48E**±.059	**0**±10			**16**	**0-2**
JMA	IV	16 09 36 48.5±.1	31.97N±.00	130.48E±.01	8±2	2.8		**¶97iv2735**	
ISC	**IV**	**16 23 56 26.7**±.38	**32.54N**±.054	**131.16E**±.050	**131**			**41**	**0-5**
JMA	IV	16 23 56 26.6±.2	32.53N±.01	131.18E±.01	131±2			**¶97iv2823**	
ISC	**IV**	**17 23 04 08.1**±.56	**31.94N**±.041	**130.38E**±.054	**7**			**23**	**0-3**
JMA	IV	17 23 04 08.3±.1	31.97N±.00	130.44E±.01	7±2	2.9		**¶97iv2985**	
ISC	**IV**	**17 23 06 38.5**±.73	**31.95N**±.055	**130.41E**±.074	**7**			**14**	**0-2**
JMA	IV	17 23 06 38.3±.1	31.96N±.00	130.46E±.01	7±3	3.0		**¶97iv2986**	
ISC	**IV**	**17 23 19 28.7**±.85	**31.95N**±.055	**130.43E**±.064	**7**±10			**11**	**0-2**
JMA	IV	17 23 19 29.2±.1	31.96N±.00	130.45E±.01	8±3	2.8		**¶97iv2987**	
ISC	**IV**	**18 01 37 41.7**±.90	**32.96N**±.057	**131.64E**±.058	**72**±14			**29**	**0-4**
JMA	IV	18 01 37 41.9±.1	32.97N±.01	131.65E±.01	68±2			**¶97iv3007**	
ISC	**IV**	**19 15 37 22**±1.9	**30.6N**±.14	**131.0E**±.21	**24**±11			**9**	**0-2**
JMA	IV	19 15 37 21.3±.4	30.61N±.02	131.13E±.04	33±3	3.0		**¶97iv3216**	
ISC	**IV**	**19 16 11 32.0**±.87	**31.94N**±.043	**130.39E**±.058	**4**±9.2			**22**	**0-2**
JMA	IV	19 16 11 32.5±.0	31.97N±.00	130.43E±.00	10±2	3.0		**¶97iv3219**	
ISC	**IV**	**19 19 19 39.8**±.84	**31.96N**±.039	**130.38E**±.055	**5**±8.4			**27**	**0-4**
JMA	IV	19 19 19 40.3±.1	31.97N±.00	130.43E±.01	8±3	3.0		**¶97iv3228**	
ISC	**IV**	**19 19 34 07.9**±.57	**31.97N**±.043	**130.27E**±.056	**12**			**21**	**0-4**
JMA	IV	19 19 34 07.5±.1	31.98N±.01	130.32E±.01	12±4	3.0		**¶97iv3229**	
ISC	**IV**	**19 19 43 14**±1.2	**31.2N**±.17	**130.4E**±.38	**161**			**7**	**0-2**
JMA	IV	19 19 43 14.1±.3	31.23N±.01	130.40E±.03	161±4			**¶97iv3230**	
ISC	**IV**	**20 03 34 40.0**±.81	**31.99N**±.038	**130.40E**±.048	**6**±7.7			**32**	**0-5**
JMA	IV	20 03 34 40.4±.1	31.99N±.00	130.43E±.01	9±2	3.5		**¶97iv3269**	
ISC	**IV**	**20 08 34 45.2**±.55	**31.98N**±.039	**130.04E**±.058	**10**			**19**	**0-3**
JMA	IV	20 08 34 44.9±.1	31.99N±.00	130.02E±.01	10±2	2.9		**¶97iv3290**	
ISC	**IV**	**20 15 15 57.1**±.76	**31.94N**±.038	**130.22E**±.050	**10**±6.7	3.9b		**37**	**0-73**
EIDC	IV	20 15 15 44.3	30.7N	128.3E	0	3.9b,3.2L		**¶97iv3334**	
JMA	IV	20 15 15 57.6±.1	31.98N±.00	130.26E±.01	10±2	3.5			
ISC	**IV**	**20 16 21 42.4**±.51	**31.95N**±.037	**130.36E**±.053	**10**			**30**	**0-4**
JMA	IV	20 16 21 42.2±.0	31.98N±.00	130.43E±.01	10±2	3.0		**¶97iv3340**	
ISC	**IV**	**21 06 35 30**±12	**31.3N**±.73	**131.7E**±.79	**36**			**5**	**0-1**
JMA	IV	21 06 35 28.3±.5	31.23N±.02	131.83E±.03	36±4	2.8		**¶97iv3417**	
ISC	**IV**	**22 18 47 13**±1.7	**30.47N**±.089	**131.1E**±.16	**31**±11			**13**	**0-3**
JMA	IV	22 18 47 12.7±.4	30.44N±.02	131.17E±.04	42±3	3.1		**¶97iv3812**	
ISC	**IV**	**23 01 24 28.3**±.88	**32.75N**±.033	**130.59E**±.040	**12**±6.6	**3.7b**		**60**	**0-87**
JMA	IV	23 01 24 28.4±.0	32.75N±.00	130.64E±.00	13±2	4.1		**¶97iv3864**	
NEIC	IV	23 01 24 32.8	33.12N	130.70E	33	3.0b			
EIDC	IV	23 01 24 36.8	33.1N	130.7E	48	3.4b,3.4L			
NEIC	Poor solution.								
ISC	**IV**	**23 02 13 36**±3.1	**30.7N**±.19	**130.8E**±.27	**48**±45			**5**	**0-1**
JMA	IV	23 02 13 35.3±.4	30.65N±.02	130.81E±.04	52±5	2.8		**¶97iv3875**	
ISC	Poorly determined								
ISC	**IV**	**23 05 37 01**±6.2	**31.6N**±.15	**130.6E**±.23	**147**±63			**9**	**0-2**
JMA	IV	23 05 37 00.8±.3	31.62N±.01	130.63E±.02	147±3			**¶97iv3902**	
ISC	**IV**	**23 12 45 47**±1.2	**31.18N**±.061	**130.41E**±.090	**167**±14			**36**	**0-5**
JMA	IV	23 12 45 48.0±.2	31.17N±.01	130.37E±.02	162±3			**¶97iv3960**	
ISC	**IV**	**23 15 13 00.0**±.85	**31.99N**±.044	**130.36E**±.060	**2**±10			**15**	**0-2**
JMA	IV	23 15 13 00.5±.1	31.98N±.00	130.37E±.01	8±2	2.8		**¶97iv3983**	
ISC	**IV**	**23 16 44 38.2**±.33	**30.74N**±.028	**131.53E**±.031	**41**±4.3	**4.3b,3.8s**		**127**	**0-124**
BJI	IV	23 16 44 29.6	30.09N	132.27E	33	4.3b,4.3s		**¶97iv3995**	
NEIC	IV	23 16 44 37.3	30.81N	131.41E	33	4.6b,4.9s			
MOS	IV	23 16 44 37.6	30.8N	131.4E	33	4.8b			
JMA	IV	23 16 44 38.4±.3	30.76N±.01	131.49E±.03	50±3	4.0			
EIDC	IV	23 16 44 40.0	30.8N	131.3E	38	4.0b,3.7s			
ISC	**IV**	**23 16 48 50**±3.0	**30.8N**±.18	**131.5E**±.28	**48**			**9**	**0-2**
JMA	IV	23 16 48 49.2±.4	30.77N±.02	131.47E±.04	48±4	3.1		**¶97iv3997**	
ISC	**IV**	**23 16 55 09**±3.8	**30.7N**±.24	**131.5E**±.28	**51**			**8**	**0-2**
JMA	IV	23 16 55 09.5±.5	30.73N±.03	131.50E±.04	51±4	2.9		**¶97iv4000**	
ISC	**IV**	**23 17 23 15**±6.8	**30.8N**±.31	**131.4E**±.67	**37**			**4**	**0-1**
JMA	IV	23 17 23 14.0±.5	30.76N±.02	131.47E±.05	37±5	2.9		**¶97iv4003**	
ISC	Poorly determined								
ISC	**IV**	**23 17 31 28.0**±.79	**30.74N**±.067	**131.50E**±.077	**43**±36			**32**	**0-5**
JMA	IV	23 17 31 27.6±.2	30.74N±.01	131.49E±.02	52±3	3.3		**¶97iv4004**	
ISC	**IV**	**23 19 17 51.0**±.55	**31.99N**±.039	**130.14E**±.056	**8**			**24**	**0-3**
JMA	IV	23 19 17 50.8±.1	32.00N±.00	130.18E±.01	8±2	3.2		**¶97iv4018**	
ISC	**IV**	**24 02 52 55**±6.0	**33.6N**±.18	**131.5E**±.71	**119**			**8**	**1-2**
JMA	IV	24 02 52 56.3±.2	33.60N±.01	131.64E±.02	119±2			**¶97iv4072**	
JMA	**IV**	**24 04 22 23.8**±.2	**30.73N**±.02	**131.33E**±.04	**67**			**¶97iv4081**	
ISC	**IV**	**24 15 50 38.4**±.79	**31.99N**±.035	**130.41E**±.049	**6**±7.5			**34**	**0-4**
JMA	IV	24 15 50 38.9±.1	32.00N±.00	130.44E±.01	8±2	3.5		**¶97iv4172**	
ISC	**IV**	**24 23 44 47**±9.7	**30.4N**±.25	**131.3E**±.86	**25**			**4**	**0-1**
JMA	IV	24 23 44 45.4±.5	30.33N±.02	131.44E±.04	25	2.8		**¶97iv4236**	
ISC	Poorly determined								
ISC	**IV**	**25 01 26 30**±10	**30.4N**±.26	**131.3E**±.89	**26**			**4**	**0-1**
JMA	IV	25 01 26 27.9±.6	30.33N±.02	131.44E±.04	26±4	3.0		**¶97iv4250**	
ISC	Poorly determined								
ISC	**IV**	**25 01 34 38**±1.9	**30.3N**±.10	**131.39E**±.061	**25**±16			**39**	**0-7**
JMA	IV	25 01 34 38.9±.5	30.36N±.03	131.38E±.03	39	3.3		**¶97iv4252**	
ISC	**IV**	**25 03 04 13**±2.6	**30.5N**±.15	**131.2E**±.22	**28**±12			**10**	**0-2**
JMA	IV	25 03 04 12.3±.6	30.51N±.03	131.25E±.05	38	3.0		**¶97iv4268**	
ISC	**IV**	**25 03 05 11**±3.9	**30.5N**±.20	**131.2E**±.33	**29**±14			**6**	**0-2**
JMA	IV	25 03 05 08.1±.6	30.36N±.03	131.38E±.04	29	3.1		**¶97iv4269**	
ISC	**IV**	**25 04 58 12**±2.5	**30.5N**±.16	**130.9E**±.20	**7**±14			**6**	**0-2**
JMA	IV	25 04 58 11.6±.5	30.47N±.03	130.95E±.04	9	3.1		**¶97iv4285**	
ISC	**IV**	**25 14 33 49.1**±.97	**31.1N**±.13	**130.3E**±.18	**163**			**9**	**0-2**
JMA	IV	25 14 33 49.2±.4	31.13N±.02	130.32E±.03	163±4			**¶97iv4359**	

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**25 20 00 11**±1.2	**30.50N**±.048	**131.27E**±.059	**27**±12		**44**	**0-6**
JMA	IV	25 20 00 11.4±.3	30.56N±.02	131.19E±.03	34±3	3.1	¶97iv4410	
ISC	**IV**	**25 21 31 43**±1.7	**31.5N**±.25	**130.4E**±.43	**149**		**6**	**0-2**
JMA	IV	25 21 31 42.8±.2	31.54N±.02	130.49E±.04	149		¶97iv4421	
ISC	**IV**	**26 07 05 06**±3.5	**31.3N**±.21	**130.5E**±.15	**168**±30		**17**	**0-4**
JMA	IV	26 07 05 07.4±.4	31.30N±.02	130.50E±.02	157±4		¶97iv4482	
ISC	**IV**	**26 17 52 24**±1.9	**31.2N**±.11	**131.3E**±.19	**36**±31		**7**	**0-1**
JMA	IV	26 17 52 24.1±.3	31.20N±.02	131.32E±.03	45±3	2.8	¶97iv4587	
ISC	**IV**	**26 19 15 26.7**±.55	**31.93N**±.040	**130.35E**±.051	**8**		**26**	**0-4**
JMA	IV	26 19 15 26.7±.1	31.97N±.00	130.40E±.01	8±2	2.9	¶97iv4598	
ISC	**IV**	**27 14 36 04**±1.9	**30.4N**±.11	**130.8E**±.15	**11**±17		**6**	**0-2**
JMA	IV	27 14 36 03.7±.3	30.37N±.02	130.90E±.03	12±5	3.0	¶97iv4748	
ISC	**IV**	**28 00 35 42.8**±.47	**31.95N**±.036	**130.41E**±.048	**8**		**32**	**0-5**
JMA	IV	28 00 35 42.3±.1	31.97N±.00	130.42E±.00	8±2	3.5	¶97iv4815	
ISC	**IV**	**28 17 22 43.0**±.20	**31.16N**±.025	**130.36E**±.031	**167**±2.4	**4.5b**	**190**	**0-123**
MOS	IV	28 17 22 41.5	31.2N	130.5E	162	5.0b	¶97iv4959	
NEIC	IV	28 17 22 42.9	31.18N	130.36E	168	4.7b		
JMA	IV	28 17 22 43.2±.2	31.17N±.01	130.45E±.02	170±2	4.3		
BJI	IV	28 17 22 43.8	31.04N	130.48E	191	4.9b		
EIDC	IV	28 17 22 43.9	31.3N	130.6E	167	4.0b		
ISC	**IV**	**29 07 30 36**±7.6	**33.5N**±.33	**132.0E**±.90	**72**		**6**	**0-1**
JMA	IV	29 07 30 36.1±.2	33.47N±.01	131.94E±.02	72±2		¶97iv5036	
ISC	Poorly determined							
ISC	**IV**	**29 09 00 15.6**±.82	**31.96N**±.053	**130.42E**±.063	**9**±9.9		**12**	**0-2**
JMA	IV	29 09 00 16.0±.0	31.97N±.00	130.45E±.01	8±2	2.8	¶97iv5051	
ISC	**IV**	**30 10 17 14.7**±.81	**31.2N**±.13	**130.3E**±.24	**150**		**8**	**0-1**
JMA	IV	30 10 17 14.8±.4	31.14N±.02	130.31E±.03	150±4		¶97iv5200	
ISC	**IV**	**30 13 44 38**±1.5	**31.84N**±.056	**131.88E**±.062	**27**±16		**30**	**1-4**
JMA	IV	30 13 44 38.2±.2	31.87N±.01	131.86E±.02	46	3.0	¶97iv5225	
ISC	**IV**	**30 15 50 21**±1.2	**30.63N**±.067	**130.77E**±.077	**4**±12		**18**	**0-3**
JMA	IV	30 15 50 21.5±.3	30.61N±.03	130.82E±.03	16±4	3.1	¶97iv5231	
ISC	**IV**	**30 20 44 17**±1.4	**30.5N**±.12	**130.8E**±.13	**9**±12		**9**	**0-3**
JMA	IV	30 20 44 16.6±.5	30.54N±.03	130.89E±.04	16	2.9	¶97iv5262	
ISC	**V**	**01 07 19 38.9**±.76	**31.95N**±.037	**130.41E**±.050	**2**±7.6		**34**	**0-4**
JMA	V	01 07 19 39.5±.1	31.97N±.00	130.42E±.01	9±2	3.5	¶97v0054	
ISC	**V**	**01 12 36 56**±3.6	**31.97N**±.061	**131.95E**±.066	**13**±30		**22**	**0-2**
JMA	V	01 12 36 56.8±.3	31.97N±.01	131.96E±.02	23±4	2.9	¶97v0101	
ISC	**V**	**01 15 14 07.6**±.87	**32.40N**±.057	**131.84E**±.065	**23**±8.3		**23**	**0-2**
JMA	V	01 15 14 07.6±.1	32.39N±.01	131.86E±.01	34±2	2.8	¶97v0117	
ISC	**V**	**01 16 12 53.1**±.80	**31.96N**±.048	**130.29E**±.062	**10**±9.0		**14**	**0-2**
JMA	V	01 16 12 53.5±.1	31.97N±.00	130.32E±.01	9±3	2.8	¶97v0122	
ISC	**V**	**01 19 12 07**±6.8	**31.1N**±.14	**131.6E**±.72	**40**		**5**	**0-1**
JMA	V	01 19 12 07.0±.6	31.14N±.02	131.56E±.06	40±4	3.0	¶97v0140	
ISC	**V**	**01 19 35 11.0**±.35	**30.57N**±.029	**131.20E**±.029	**49**±3.8	**4.3b,4.6s**	**148**	**0-88**
JMA	V	01 19 35 10.9±.2	30.58N±.01	131.15E±.03	38±2	4.1	¶97v0144	
NEIC	V	01 19 35 12.2	30.68N	131.20E	57	4.6b,4.7s		
MOS	V	01 19 35 12.3	30.7N	131.3E	62	4.9b		
BJI	V	01 19 35 13.6	30.44N	131.14E	76	4.7b,4.5s		
EIDC	V	01 19 35 14.4	30.7N	131.1E	62	3.9b,4.0s		
ISC	**V**	**01 21 26 08**±3.9	**33.7N**±.11	**131.8E**±.24	**92**±35		**15**	**0-2**
JMA	V	01 21 26 08.8±.2	33.75N±.01	131.88E±.01	84±2		¶97v0159	
ISC	**V**	**02 13 45 23.2**±.86	**31.96N**±.049	**130.36E**±.060	**2**±9.9		**19**	**0-3**
JMA	V	02 13 45 23.7±.0	31.97N±.00	130.40E±.00	9±2	3.2	¶97v0274	
ISC	**V**	**02 22 08 36**±2.1	**31.5N**±.10	**131.8E**±.21	**32**		**10**	**0-2**
JMA	V	02 22 08 35.0±.4	31.53N±.02	131.83E±.04	32±5	2.8	¶97v0334	
ISC	**V**	**02 23 59 55.8**±.50	**31.98N**±.036	**130.23E**±.049	**9**		**30**	**0-4**
JMA	V	02 23 59 55.7±.0	32.00N±.00	130.27E±.00	9±2	3.5	¶97v0346	
ISC	**V**	**03 01 01 55**±2.6	**30.4N**±.18	**130.9E**±.21	**10**±17		**5**	**0-1**
JMA	V	03 01 01 54.7±.0	30.41N±.00	130.95E±.01	13±1	3.0	¶97v0351	
ISC	Poorly determined							
ISC	**V**	**03 08 49 52.1**±.58	**32.06N**±.041	**130.09E**±.054	**8**		**22**	**0-3**
JMA	V	03 08 49 52.1±.1	32.07N±.00	130.12E±.01	8±3	2.9	¶97v0404	
ISC	**V**	**03 19 20 44.4**±.85	**31.98N**±.040	**130.36E**±.060	**3**±9.6		**17**	**0-2**
JMA	V	03 19 20 44.8±.1	31.97N±.00	130.39E±.01	7±2	2.8	¶97v0488	
ISC	**V**	**04 08 53 29.5**±.56	**31.94N**±.042	**130.39E**±.054	**7**		**21**	**0-2**
JMA	V	04 08 53 29.8±.1	31.96N±.00	130.43E±.01	7±3	3.0	¶97v0600	
ISC	**V**	**04 09 15 54**±2.0	**33.31N**±.097	**131.81E**±.082	**66**±25		**15**	**0-2**
JMA	V	04 09 15 54.2±.1	33.33N±.01	131.82E±.01	67±2		¶97v0609	
ISC	**V**	**04 23 26 44**±2.2	**33.53N**±.094	**131.9E**±.13	**81**±24		**17**	**0-2**
JMA	V	04 23 26 45.1±.1	33.55N±.01	131.87E±.01	71±2		¶97v0706	
ISC	**V**	**05 00 40 35.4**±.72	**33.29N**±.055	**131.67E**±.046	**92**±11		**37**	**0-4**
JMA	V	05 00 40 36.2±.1	33.29N±.01	131.66E±.01	82±1		¶97v0714	
ISC	**V**	**05 02 37 36.6**±.62	**32.72N**±.035	**130.79E**±.038	**4**±6.4		**30**	**0-3**
JMA	V	05 02 37 37.1±.0	32.71N±.01	130.79E±.01	14±2	3.2	¶97v0731	
ISC	**V**	**05 02 43 42.7**±.67	**32.72N**±.037	**130.79E**±.040	**4**±7.1		**24**	**0-2**
JMA	V	05 02 43 43.2±.0	32.72N±.00	130.79E±.00	13±2	3.0	¶97v0732	
ISC	**V**	**05 06 36 53**±3.6	**33.5N**±.17	**131.9E**±.41	**86**		**11**	**1-2**
JMA	V	05 06 36 53.4±.2	33.51N±.01	131.87E±.03	86±3		¶97v0751	
ISC	**V**	**06 01 51 57.8**±.82	**31.95N**±.038	**130.36E**±.056	**3**±8.6		**28**	**0-4**
JMA	V	06 01 51 58.3±.0	31.97N±.00	130.39E±.00	8±2	3.4	¶97v0880	
ISC	**V**	**06 02 00 58.8**±.68	**32.72N**±.031	**130.79E**±.037	**5**±6.5		**34**	**0-3**
JMA	V	06 02 00 59.3±.0	32.71N±.00	130.79E±.00	13±2	3.3	¶97v0882	
JMA	**V**	**08 00 44 09.2**±.6	**30.36N**±.03	**131.26E**±.04	**32**±3	**3.0**	¶97v1159	
ISC	**V**	**08 11 44 26**±4.1	**31.1N**±.19	**131.7E**±.45	**51**		**5**	**1-1**
JMA	V	08 11 44 25.7±.3	31.10N±.01	131.75E±.03	51±4	2.8	¶97v1238	
JMA	**V**	**08 18 01 26.1**±.6	**31.24N**±.02	**131.61E**±.04	**22**±3	**2.9**	¶97v1286	
ISC	**V**	**09 02 40 38.1**±.79	**32.00N**±.043	**130.26E**±.057	**5**±8.3		**19**	**0-2**
JMA	V	09 02 40 38.6±.1	31.99N±.00	130.29E±.01	10±2	3.2	¶97v1348	
ISC	**V**	**09 06 15 10.6**±.43	**32.52N**±.034	**130.57E**±.042	**5**		**25**	**0-2**
JMA	V	09 06 15 10.5±.1	32.51N±.00	130.58E±.01	5±2	3.3	¶97v1370	
ISC	**V**	**10 11 13 19.1**±.79	**31.95N**±.034	**130.24E**±.050	**4**±7.3		**33**	**0-4**
JMA	V	10 11 13 19.8±.1	32.00N±.00	130.24E±.01	9±2	3.6	¶97v1583	
ISC	**V**	**10 18 41 09**±4.1	**31.1N**±.16	**131.6E**±.41	**29**±17		**6**	**0-2**
JMA	V	10 18 41 08.7±.4	31.12N±.02	131.65E±.04	43±4	2.8	¶97v1644	
ISC	Poorly determined							
ISC	**V**	**10 20 15 31**±3.5	**33.2N**±.14	**131.6E**±.12	**84**±38		**11**	**0-1**
JMA	V	10 20 15 30.9±.2	33.17N±.01	131.57E±.01	82±2		¶97v1660	
ISC	**V**	**10 21 47 11**±1.1	**31.22N**±.058	**130.4E**±.10	**167**±13		**34**	**0-5**
JMA	V	10 21 47 11.6±.2	31.21N±.01	130.40E±.02	162±2		¶97v1669	
ISC	**V**	**11 06 59 58.7**±.69	**31.15N**±.048	**130.35E**±.085	**172**±10		**42**	**0-6**
JMA	V	11 07 00 00.3±.2	31.16N±.01	130.38E±.02	155±2		¶97v1740	
ISC	**V**	**11 09 03 49**±4.2	**31.9N**±.15	**130.5E**±.37	**175**±33		**19**	**0-5**
JMA	V	11 09 03 49.2±.1	31.84N±.02	130.74E±.05	176		¶97v1762	
ISC	**V**	**11 17 39 55**±3.8	**30.8N**±.19	**131.6E**±.30	**28**±14		**10**	**1-2**
JMA	V	11 17 39 54.2±.4	30.78N±.02	131.58E±.03	41±4	2.9	¶97v1817	
ISC	**V**	**11 18 05 46.0**±.46	**30.05N**±.038	**131.30E**±.047	**43**±6.6	**3.8b**	**69**	**1-77**
NEIC	V	11 18 05 44.6	30.00N	131.24E	33	4.4b	¶97v1819	
JMA	V	11 18 05 45.9±.2	30.07N±.01	131.33E±.02	51±4	3.4		
BJI	V	11 18 05 46.4	29.47N	131.03E	38	4.4b		
EIDC	V	11 18 05 49.9	30.2N	131.1E	49	3.5b,3.5L		
NEIC	Less reliable solution.							
ISC	**V**	**11 18 06 51**±4.0	**30.1N**±.12	**131.3E**±.41	**43**		**6**	**1-2**
JMA	V	11 18 06 50.4±.5	30.09N±.02	131.39E±.04	43	3.3	¶97v1820	
ISC	**V**	**11 20 39 56**±2.6	**30.9N**±.13	**131.5E**±.25	**29**±13		**9**	**0-2**
JMA	V	11 20 39 54.9±.4	30.82N±.02	131.52E±.04	43±4	2.8	¶97v1842	
ISC	**V**	**12 05 35 12.5**±.51	**32.38N**±.043	**130.63E**±.050	**12**		**16**	**0-2**
JMA	V	12 05 35 12.5±.0	32.38N±.00	130.64E±.00	12±2	2.8	¶97v1899	
ISC	**V**	**12 05 38 50.5**±.85	**32.37N**±.036	**130.63E**±.045	**8**±8.4		**30**	**0-3**
JMA	V	12 05 38 50.8±.0	32.38N±.00	130.64E±.00	14±2	3.6	¶97v1901	
ISC	**V**	**12 08 27 58**±2.1	**31.2N**±.27	**130.4E**±.61	**152**		**5**	**1-2**
JMA	V	12 08 27 58.1±.2	31.22N±.02	130.37E±.04	152		¶97v1922	
ISC	**V**	**13 05 38 27.2**±.58	**31.96N**±.019	**130.30E**±.018	**7**±3.6	**5.5b,6.0s**	**575**	**0-173**
JMA	V	13 05 38 27.5±.1	31.94N±.00	130.30E±.01	9±3	6.3	¶97v2137	
BJI	V	13 05 38 29.3	31.94N	130.25E	29	5.8L,5.6b		
MOS	V	13 05 38 30.2	31.9N	130.3E	33	6.1b,6.3s		
NEIC	V	13 05 38 30.2	31.82N	130.28E	33	5.6b,5.8s		
EIDC	V	13 05 38 31.0	31.9N	130.3E	30	4.8b,5.5s		
HRVD	V	13 05 38 32.1±.1	32.00N±.01	130.26E±.01	16±.9			
JMA	Felt I= VI J1							
BJI	Ms6.5							
NEIC	Mw6.1(GS), Ms5.5(BRK). Casualties, landslide/avalanche observed.							
NEIC	Mw 6.1 (HRV). Thirty-four people injured and five houses damaged I=VI J in the Sendai area. Felt as far as Fukuoka. Landslides occurred in Kagoshima Prefecture.							
NEIC	Moment tensor solution: s27, scale 10^{18}Nm; M_{rr}0.10; $M_{\theta\theta}$0.79; $M_{\phi\phi}$−0.89; $M_{r\theta}$−0.04; $M_{r\phi}$0.03; $M_{\theta\phi}$1.11. Depth 14km; Principal axes: T 1.35,Plg1°,Azm154°; N 0.10,Plg88°, Azm271°; P −1.45,Plg2°,Azm64°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S199°,δ88°, λ−179°. NP2:ϕ_S109°,δ89°,λ−2°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c87; Mantle waves: s39,c63; Half duration: 2s5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.13±.01; $M_{\theta\theta}$0.60±.01; $M_{\phi\phi}$−0.47±.01; $M_{r\theta}$0.24±.04; $M_{r\phi}$−0.43±.05; $M_{\theta\phi}$1.21±.01. Principal Axes: T 1.39,Plg1°,Azm147°; N 0.05,Plg69°,Azm53°; P −1.44,Plg20°,Azm237°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S280°,δ75°,λ−14°. NP2:ϕ_S14°,δ77°,λ−164°.							
ISC	**V**	**13 05 46 18**±1.3	**31.9N**±.11	**130.4E**±.14	**7**		**4**	**0-1**
JMA	V	13 05 46 18.8±.0	31.94N±.00	130.39E±.00	7±2	3.2	¶97v2141	
ISC	Poorly determined							
JMA	**V**	**13 05 46 51.8**±.1	**31.94N**±.01	**130.32E**±.01	**7**	**3.1**	¶97v2142	
ISC	**V**	**13 05 50 51.6**±.70	**31.93N**±.048	**130.34E**±.064	**7**		**13**	**0-2**
JMA	V	13 05 50 51.9±.1	31.94N±.00	130.36E±.01	7±2	3.6	¶97v2144	
ISC	**V**	**13 05 51 19.8**±.89	**31.94N**±.058	**130.35E**±.076	**6**±14		**11**	**0-2**
JMA	V	13 05 51 20.3±.1	31.95N±.00	130.36E±.01	8±2	3.7	¶97v2145	
ISC	**V**	**13 05 52 26.7**±.91	**31.94N**±.054	**130.33E**±.086	**2**±16		**10**	**0-2**
JMA	V	13 05 52 27.2±.1	31.94N±.00	130.34E±.01	8±3	2.9	¶97v2146	
ISC	**V**	**13 05 57 14.1**±.80	**31.94N**±.051	**130.34E**±.060	**7**±8.5	3.8b	**16**	**0-59**
EIDC	V	13 05 57 11.7	31.1N	131.2E	0	3.7b,3.3L	¶97v2147	
JMA	V	13 05 57 14.5±.1	31.94N±.00	130.34E±.01	7±3	3.0		
ISC	**V**	**13 05 57 27.0**±.87	**31.94N**±.039	**130.26E**±.057	**0**±8.9		**26**	**0-5**
JMA	V	13 05 57 27.7±.0	31.96N±.00	130.30E±.00	10±2	3.8	¶97v2148	
ISC	**V**	**13 05 59 32.5**±.88	**31.94N**±.057	**130.32E**±.064	**6**±11		**11**	**0-2**
JMA	V	13 05 59 33.0±.2	31.95N±.01	130.32E±.01	8±5	2.9	¶97v2151	
ISC	**V**	**13 06 00 17.4**±.84	**31.88N**±.048	**130.27E**±.062	**8**±9.2		**14**	**0-2**
JMA	V	13 06 00 17.9±.1	31.90N±.01	130.30E±.01	8±4	3.4	¶97v2152	
JMA	**V**	**13 06 01 43.2**±.1	**31.94N**±.00	**130.36E**±.01	**14**	**3.2**	¶97v2154	
ISC	**V**	**13 06 04 30.5**±.85	**31.94N**±.047	**130.28E**±.070	**7**±10		**14**	**0-2**
JMA	V	13 06 04 31.0±.1	31.95N±.00	130.30E±.01	8±3	2.9	¶97v2155	
ISC	**V**	**13 06 07 12.6**±.83	**31.93N**±.053	**130.32E**±.061	**8**±9.9		**15**	**0-2**
JMA	V	13 06 07 13.0±.2	31.94N±.01	130.33E±.01	10±4	3.3	¶97v2156	
ISC	**V**	**13 06 07 20.0**±.69	**31.92N**±.053	**130.30E**±.059	**10**		**16**	**0-2**
JMA	V	13 06 07 20.0±.1	31.93N±.01	130.31E±.01	10±4	3.5	¶97v2157	
ISC	**V**	**13 06 09 39.8**±.91	**31.95N**±.058	**130.30E**±.076	**5**±14		**11**	**0-2**
JMA	V	13 06 09 40.2±.1	31.95N±.00	130.32E±.01	5±3	2.8	¶97v2158	
ISC	**V**	**13 06 13 06.7**±.59	**31.94N**±.042	**130.30E**±.057	**8**		**21**	**0-3**
JMA	V	13 06 13 06.6±.0	31.94N±.00	130.35E±.00	8±1	3.4	¶97v2160	
ISC	**V**	**13 06 23 17**±1.0	**31.92N**±.066	**130.3E**±.11	**3**±21		**8**	**0-1**
JMA	V	13 06 23 17.9±.1	31.92N±.01	130.32E±.01	6±3	2.8	¶97v2162	
ISC	**V**	**13 06 24 58**±1.2	**31.93N**±.082	**130.3E**±.12	**6**±27		**5**	**0-1**
JMA	V	13 06 24 58.0±.0	31.93N±.00	130.31E±.01	8±2	3.0	¶97v2163	
ISC	Poorly determined							
ISC	**V**	**13 06 25 27.2**±.97	**31.91N**±.067	**130.3E**±.10	**6**±19		**8**	**0-1**
JMA	V	13 06 25 27.6±.1	31.93N±.01	130.29E±.01	11±3	3.1	¶97v2164	
ISC	**V**	**13 06 32 48**±1.2	**31.93N**±.079	**130.4E**±.12	**9**		**4**	**0-1**
JMA	V	13 06 32 48.4±.1	31.93N±.01	130.34E±.02	9	2.9	¶97v2165	
ISC	Poorly determined							
ISC	**V**	**13 06 33 13.0**±.80	**31.94N**±.037	**130.35E**±.054	**3**±7.9		**30**	**0-4**
JMA	V	13 06 33 13.5±.1	31.94N±.00	130.35E±.01	7±3	3.5	¶97v2166	
ISC	**V**	**13 06 34 03**±1.2	**31.94N**±.078	**130.4E**±.13	**5**		**6**	**0-1**
JMA	V	13 06 34 03.8±.1	31.94N±.01	130.39E±.01	5	2.8	¶97v2167	
ISC	Poorly determined							
ISC	**V**	**13 06 35 42**±1.8	**31.93N**±.083	**130.3E**±.18	**6**		**5**	**0-1**
JMA	V	13 06 35 42.5±.1	31.93N±.01	130.31E±.01	6	2.8	¶97v2168	
ISC	Poorly determined							
ISC	**V**	**13 06 36 05.2**±.58	**31.91N**±.042	**130.26E**±.053	**8**		**22**	**0-4**
JMA	V	13 06 36 05.3±.1	31.94N±.00	130.32E±.01	8±2	3.3	¶97v2169	
JMA	**V**	**13 06 36 25.7**±.5	**31.94N**±.01	**130.41E**±.02	**4**±4	**3.4**	¶97v2170	
ISC	**V**	**13 06 37 20**±1.0	**31.95N**±.055	**130.32E**±.078	**2**±15		**12**	**0-2**
JMA	V	13 06 37 20.2±.1	31.94N±.00	130.32E±.01	11±3	2.8	¶97v2171	
ISC	**V**	**13 06 43 54.1**±.58	**31.94N**±.043	**130.32E**±.055	**7**		**17**	**0-2**
JMA	V	13 06 43 54.1±.1	31.94N±.00	130.33E±.01	7±3	3.2	¶97v2173	
ISC	**V**	**13 06 46 32.7**±.85	**31.94N**±.045	**130.33E**±.061	**6**±9.5		**15**	**0-2**
JMA	V	13 06 46 33.1±.1	31.94N±.00	130.36E±.01	7±2	3.2	¶97v2175	
ISC	**V**	**13 06 50 06.3**±.86	**31.94N**±.057	**130.33E**±.076	**0**±16		**10**	**0-2**
JMA	V	13 06 50 06.7±.1	31.94N±.01	130.33E±.01	3±4	2.8	¶97v2177	
ISC	**V**	**13 06 51 02.4**±.84	**31.97N**±.040	**130.28E**±.059	**3**±9.2		**18**	**0-3**
JMA	V	13 06 51 02.8±.1	31.96N±.00	130.30E±.01	10±3	3.1	¶97v2178	
ISC	**V**	**13 06 51 42**±1.7	**31.94N**±.087	**130.3E**±.18	**8**±20		**5**	**0-1**
JMA	V	13 06 51 42.6±.1	31.94N±.00	130.33E±.01	10±4	3.0	¶97v2179	
ISC	Poorly determined							
ISC	**V**	**13 06 52 14**±1.2	**31.94N**±.067	**130.3E**±.10	**7**±14		**8**	**0-1**
JMA	V	13 06 52 14.6±.1	31.95N±.00	130.34E±.01	7±3	2.8	¶97v2180	
ISC	**V**	**13 06 52 31**±4.0	**31.9N**±.36	**130.4E**±.16	**6**		**9**	**0-2**
JMA	V	13 06 52 31.0±.3	31.93N±.02	130.35E±.03	6	2.8	¶97v2181	
ISC	**V**	**13 06 57 49.0**±.87	**31.94N**±.058	**130.31E**±.076	**7**±13		**9**	**0-1**
JMA	V	13 06 57 49.5±.1	31.95N±.00	130.33E±.01	7±4	2.8	¶97v2183	
ISC	**V**	**13 06 59 51.2**±.66	**31.93N**±.048	**130.31E**±.058	**8**		**14**	**0-2**
JMA	V	13 06 59 51.3±.1	31.94N±.00	130.31E±.01	8±2	2.8	¶97v2184	
ISC	**V**	**13 07 01 57.4**±.89	**31.92N**±.058	**130.28E**±.082	**7**		**12**	**0-2**
JMA	V	13 07 01 57.4±.1	31.91N±.01	130.30E±.01	7±3	2.8	¶97v2185	
ISC	**V**	**13 07 13 19.4**±.75	**31.89N**±.052	**130.27E**±.066	**5**		**11**	**0-2**
JMA	V	13 07 13 19.6±.1	31.89N±.01	130.29E±.01	5±4	2.8	¶97v2187	

ISC	**V**	**13 07 18 50.2**±.89	**31.91N**±.054	**130.26E**±.062	**5**±11		**13**	**0-2**	
JMA	V	13 07 18 50.7±.1	31.91N±.00	130.29E±.01	9±2	2.8		**¶97v2189**	
ISC	**V**	**13 07 46 03**±1.2	**31.87N**±.054	**130.24E**±.082	**5**±11		**13**	**0-2**	
JMA	V	13 07 46 03.4±.1	31.89N±.00	130.29E±.01	7±2	3.0		**¶97v2193**	
ISC	**V**	**13 07 48 39.5**±.83	**31.94N**±.049	**130.34E**±.085	**7**		**13**	**0-2**	
JMA	V	13 07 48 39.7±.1	31.94N±.01	130.37E±.01	7±3	2.8		**¶97v2196**	
ISC	**V**	**13 07 53 20**±1.1	**31.92N**±.051	**130.29E**±.077	**6**±10		**13**	**0-2**	
JMA	V	13 07 53 20.4±.1	31.95N±.00	130.34E±.01	6±2	2.8		**¶97v2197**	
ISC	**V**	**13 07 54 48**±1.1	**31.94N**±.062	**130.36E**±.093	**6**±13		**13**	**0-2**	
JMA	V	13 07 54 48.5±.1	31.94N±.00	130.38E±.01	8±3	3.1		**¶97v2198**	
ISC	**V**	**13 08 24 30**±1.1	**31.98N**±.062	**130.33E**±.098	**1**±14		**13**	**0-2**	
JMA	V	13 08 24 31.0±.1	31.99N±.01	130.34E±.01	7±3	2.8		**¶97v2203**	
ISC	**V**	**13 08 55 09**±1.0	**31.97N**±.041	**130.31E**±.064	**1**±9.3		**21**	**0-3**	
JMA	V	13 08 55 10.0±.1	31.98N±.00	130.34E±.01	6±2	3.0		**¶97v2209**	
ISC	**V**	**13 08 56 35**±1.0	**31.97N**±.042	**130.30E**±.065	**1**±9.4		**20**	**0-3**	
JMA	V	13 08 56 36.1±.1	31.99N±.00	130.35E±.01	8±2	3.3		**¶97v2210**	
ISC	**V**	**13 09 29 56.3**±.85	**31.95N**±.053	**130.32E**±.061	**7**±10		**13**	**0-2**	
JMA	V	13 09 29 56.7±.1	31.95N±.01	130.34E±.01	8±4	3.0		**¶97v2216**	
ISC	**V**	**13 09 46 04.0**±.87	**31.91N**±.052	**130.26E**±.064	**3**±11		**13**	**0-2**	
JMA	V	13 09 46 04.6±.1	31.91N±.01	130.30E±.01	6±3	2.8		**¶97v2217**	
ISC	**V**	**13 10 26 06.0**±.90	**31.94N**±.045	**130.30E**±.061	**3**±9.4		**22**	**0-73**	
JMA	V	13 10 26 06.5±.1	31.95N±.01	130.35E±.01	10±3	3.1		**¶97v2225**	
ISC	**V**	**13 11 06 47.8**±.88	**31.94N**±.044	**130.34E**±.062	**2**±10		**17**	**0-2**	
JMA	V	13 11 06 48.4±.1	31.94N±.00	130.37E±.01	8±3	3.0		**¶97v2233**	
ISC	**V**	**13 11 51 33.6**±.85	**31.95N**±.053	**130.34E**±.083	**2**±14		**12**	**0-2**	
JMA	V	13 11 51 34.1±.1	31.95N±.00	130.35E±.01	8±2	2.8		**¶97v2243**	
ISC	**V**	**13 12 05 12.7**±.51	**31.92N**±.037	**130.31E**±.051	**8**		**25**	**0-3**	
JMA	V	13 12 05 12.6±.1	31.94N±.00	130.34E±.01	8±2	3.3		**¶97v2245**	
ISC	**V**	**13 12 16 58.2**±.83	**31.99N**±.054	**130.33E**±.060	**0**±12		**13**	**0-2**	
JMA	V	13 12 16 58.7±.1	31.99N±.00	130.33E±.01	8±3	2.8		**¶97v2250**	
ISC	**V**	**13 12 53 50.7**±.89	**31.95N**±.039	**130.29E**±.060	**1**±9.6		**18**	**0-2**	
JMA	V	13 12 53 51.3±.1	31.94N±.00	130.32E±.01	10±2	3.2		**¶97v2253**	
ISC	**V**	**13 13 11 24.1**±.87	**31.94N**±.054	**130.34E**±.063	**6**±11		**12**	**0-2**	
JMA	V	13 13 11 24.5±.1	31.94N±.00	130.36E±.01	7±2	2.8		**¶97v2255**	
ISC	**V**	**13 13 43 14.4**±.87	**31.94N**±.054	**130.34E**±.063	**6**±11		**12**	**0-2**	
JMA	V	13 13 43 14.9±.1	31.94N±.00	130.36E±.01	7±2	2.8		**¶97v2262**	
ISC	**V**	**13 13 45 41.9**±.86	**31.96N**±.045	**130.35E**±.064	**3**±10		**14**	**0-2**	
JMA	V	13 13 45 42.4±.1	31.95N±.00	130.36E±.01	7±2	3.0		**¶97v2263**	
ISC	**V**	**13 17 17 41.4**±.74	**31.92N**±.063	**130.29E**±.064	**6**		**10**	**0-2**	
JMA	V	13 17 17 41.6±.1	31.93N±.01	130.30E±.01	6±3	2.8		**¶97v2278**	
ISC	**V**	**13 17 20 31.9**±.96	**31.85N**±.072	**130.28E**±.084	**8**±16		**8**	**0-1**	
JMA	V	13 17 20 32.3±.0	31.84N±.00	130.29E±.00	9±2	2.9		**¶97v2279**	
ISC	**V**	**13 17 29 21.1**±.88	**31.90N**±.047	**130.26E**±.062	**6**±10		**14**	**0-2**	
JMA	V	13 17 29 21.5±.1	31.89N±.01	130.29E±.01	8±4	3.0		**¶97v2281**	
ISC	**V**	**13 17 38 49.3**±.55	**31.95N**±.041	**130.30E**±.051	**7**		**24**	**0-3**	
JMA	V	13 17 38 49.3±.1	31.99N±.00	130.33E±.00	7±2	3.3		**¶97v2283**	
ISC	**V**	**13 17 49 02.4**±.56	**31.97N**±.041	**130.28E**±.053	**5**		**21**	**0-3**	
JMA	V	13 17 49 02.4±.1	31.98N±.00	130.32E±.01	5±3	3.0		**¶97v2285**	
ISC	**V**	**13 17 56 00.4**±.59	**31.93N**±.043	**130.34E**±.058	**8**		**17**	**0-2**	
JMA	V	13 17 56 00.4±.1	31.94N±.00	130.35E±.01	8±2	2.8		**¶97v2287**	
ISC	**V**	**13 17 56 24.6**±.57	**31.96N**±.041	**130.29E**±.053	**5**		**23**	**0-4**	
JMA	V	13 17 56 24.7±.1	31.98N±.00	130.33E±.01	5±2	3.1		**¶97v2288**	
ISC	**V**	**13 19 35 57.9**±.65	**31.98N**±.048	**130.33E**±.057	**7**		**14**	**0-2**	
JMA	V	13 19 35 58.1±.1	31.99N±.00	130.34E±.01	7±3	2.9		**¶97v2308**	
ISC	**V**	**13 20 24 26.8**±.50	**31.97N**±.037	**130.30E**±.051	**6**		**26**	**0-3**	
JMA	V	13 20 24 26.6±.1	31.98N±.00	130.35E±.01	6±3	3.1		**¶97v2317**	
ISC	**V**	**13 20 29 17.6**±.84	**31.99N**±.051	**130.32E**±.063	**3**±10		**14**	**0-2**	
JMA	V	13 20 29 18.2±.1	31.99N±.00	130.34E±.01	8±3	2.8		**¶97v2318**	
ISC	**V**	**13 20 34 44.1**±.52	**31.99N**±.038	**130.33E**±.055	**7**		**19**	**0-2**	
JMA	V	13 20 34 44.0±.1	31.99N±.00	130.35E±.01	7±3	3.0		**¶97v2319**	
ISC	**V**	**13 22 43 53.2**±.51	**31.93N**±.037	**130.30E**±.051	**9**		**25**	**0-73**	
JMA	V	13 22 43 53.0±.1	31.94N±.00	130.34E±.01	9±2	3.5		**¶97v2345**	
ISC	**V**	**13 23 14 01.9**±.86	**31.95N**±.047	**130.30E**±.063	**3**±10		**13**	**0-2**	
JMA	V	13 23 14 02.4±.1	31.95N±.00	130.33E±.01	7±2	2.8		**¶97v2350**	
ISC	**V**	**13 23 18 48.1**±.84	**31.94N**±.048	**130.31E**±.062	**7**±9.6		**14**	**0-2**	
JMA	V	13 23 18 48.6±.1	31.95N±.00	130.33E±.01	7±3	2.8		**¶97v2351**	
ISC	**V**	**13 23 32 07**±1.0	**31.91N**±.029	**130.36E**±.027	**15**±6.7	**4.2b,4.5s**	**143**	**0-92**	
EIDC	V	13 23 32 05.0	31.9N	130.4E	0	4.1b,4.2s		**¶97v2353**	
JMA	V	13 23 32 06.3±.1	31.93N±.00	130.34E±.01	9±2	4.7			
BJI	V	13 23 32 08.1	31.96N	130.23E	16	4.5L,4.4b			
NEIC	V	13 23 32 08.2	31.87N	130.38E	33	4.3b,4.6s			
MOS	V	13 23 32 08.8	31.9N	130.4E	33	4.6b,4.4s			
JMA	Felt = IV J1								
BJI	Ms4.9								
NEIC	Felt I=IV J at Kagoshima. Also felt in other parts of southern Kyushu.								
ISC	**V**	**13 23 40 00.8**±.91	**31.93N**±.057	**130.34E**±.076	**5**±13		**11**	**0-2**	
JMA	V	13 23 40 01.2±.1	31.94N±.00	130.35E±.01	6±3	2.8		**¶97v2354**	
ISC	**V**	**14 05 42 23.9**±.87	**31.95N**±.042	**130.32E**±.060	**5**±9.5		**16**	**0-2**	
JMA	V	14 05 42 24.3±.1	31.94N±.00	130.33E±.01	8±2	2.8		**¶97v2395**	
ISC	**V**	**14 05 56 16.9**±.90	**31.95N**±.054	**130.34E**±.063	**4**±11		**12**	**0-2**	
JMA	V	14 05 56 17.3±.1	31.94N±.00	130.34E±.01	8±2	2.8		**¶97v2396**	
ISC	**V**	**14 08 15 50.6**±.85	**31.92N**±.043	**130.30E**±.060	**2**±9.0		**23**	**0-4**	
JMA	V	14 08 15 51.2±.1	31.94N±.00	130.34E±.01	9±2	3.7		**¶97v2413**	
ISC	**V**	**14 10 31 48.1**±.60	**31.94N**±.043	**130.32E**±.058	**8**		**15**	**0-2**	
JMA	V	14 10 31 48.2±.1	31.94N±.00	130.34E±.00	8±2	2.8		**¶97v2430**	
ISC	**V**	**14 12 23 44.8**±.86	**31.94N**±.044	**130.34E**±.062	**2**±9.9		**16**	**0-2**	
JMA	V	14 12 23 45.3±.0	31.94N±.00	130.37E±.00	9±2	2.8		**¶97v2447**	
ISC	**V**	**14 13 34 36**±1.5	**31.80N**±.083	**129.2E**±.13	**9**		**11**	**0-2**	
JMA	V	14 13 34 35.4±.4	31.77N±.02	129.14E±.03	9	2.8		**¶97v2456**	
ISC	**V**	**14 16 34 37.9**±.83	**31.94N**±.050	**130.29E**±.061	**1**±9.5		**18**	**0-2**	
JMA	V	14 16 34 38.5±.0	31.94N±.00	130.33E±.00	11±2	3.0		**¶97v2485**	
ISC	**V**	**14 20 28 54.3**±.54	**31.96N**±.040	**130.30E**±.051	**4**		**23**	**0-3**	
JMA	V	14 20 28 54.3±.1	31.97N±.01	130.35E±.01	4±4	3.1		**¶97v2506**	
ISC	**V**	**15 07 20 24.0**±.83	**31.95N**±.054	**130.35E**±.061	**1**±12		**12**	**0-2**	
JMA	V	15 07 20 24.5±.1	31.94N±.00	130.35E±.01	9±2	2.8		**¶97v2574**	
ISC	**V**	**15 20 39 25.9**±.53	**31.92N**±.039	**130.31E**±.055	**7**		**20**	**0-3**	
JMA	V	15 20 39 25.9±.1	31.94N±.00	130.37E±.01	7±2	2.9		**¶97v2673**	
ISC	**V**	**15 22 30 32.4**±.83	**31.93N**±.055	**130.33E**±.064	**8**±10		**12**	**0-2**	
JMA	V	15 22 30 32.8±.0	31.94N±.00	130.35E±.00	9±2	2.8		**¶97v2687**	
ISC	**V**	**15 22 30 51**±1.9	**33.5N**±.15	**131.6E**±.22	**108**		**11**	**0-2**	
JMA	V	15 22 30 51.2±.3	33.48N±.01	131.63E±.03	108±3			**¶97v2688**	
ISC	**V**	**15 22 48 09**±1.5	**30.6N**±.13	**130.8E**±.12	**3**±24		**5**	**0-1**	
JMA	V	15 22 48 09.5±.1	30.62N±.01	130.82E±.01	3	3.1		**¶97v2691**	
ISC	Poorly determined								
ISC	**V**	**15 23 04 43**±1.4	**30.6N**±.14	**130.8E**±.13	**4**±22		**5**	**0-1**	
JMA	V	15 23 04 43.7±.1	30.61N±.01	130.82E±.01	5	3.1		**¶97v2692**	
ISC	Poorly determined								
ISC	**V**	**16 03 20 31.1**±.81	**31.97N**±.040	**130.35E**±.067	**1**±9.4		**19**	**0-2**	
JMA	V	16 03 20 31.7±.0	31.97N±.00	130.36E±.00	10±2	2.9		**¶97v2720**	
ISC	**V**	**16 07 11 11.3**±.58	**31.91N**±.042	**130.24E**±.056	**6**		**24**	**0-3**	
JMA	V	16 07 11 11.2±.1	31.94N±.00	130.33E±.01	6±2	3.2		**¶97v2735**	
ISC	**V**	**16 09 53 21.5**±.57	**31.92N**±.042	**130.29E**±.053	**7**		**23**	**0-10**	
JMA	V	16 09 53 21.6±.1	31.95N±.00	130.33E±.01	7±3	2.9		**¶97v2752**	
ISC	**V**	**16 15 49 27.4**±.88	**31.95N**±.040	**130.29E**±.059	**1**±9.6		**19**	**0-2**	
JMA	V	16 15 49 28.0±.1	31.96N±.00	130.31E±.01	7±3	2.9		**¶97v2800**	
ISC	**V**	**16 16 35 34.1**±.85	**31.93N**±.046	**130.34E**±.070	**7**±11		**13**	**0-2**	
JMA	V	16 16 35 34.6±.1	31.94N±.01	130.36E±.01	6±3	2.9		**¶97v2807**	
ISC	**V**	**16 20 21 31.6**±.89	**31.97N**±.054	**130.39E**±.073	**4**±12		**12**	**0-2**	
JMA	V	16 20 21 32.1±.1	31.97N±.00	130.41E±.01	7±3	3.0		**¶97v2834**	
ISC	**V**	**17 00 19 17.6**±.83	**31.98N**±.054	**130.28E**±.064	**8**±10		**12**	**0-2**	
JMA	V	17 00 19 18.0±.1	31.99N±.00	130.32E±.01	9±2	2.9		**¶97v2854**	
ISC	**V**	**17 11 33 48.4**±.46	**32.38N**±.040	**130.61E**±.044	**12**		**26**	**0-2**	
JMA	V	17 11 33 48.0±.0	32.38N±.00	130.64E±.00	12±2	3.2		**¶97v2921**	
ISC	**V**	**17 11 40 02**±1.3	**31.96N**±.069	**131.93E**±.091	**23**±13		**15**	**0-3**	
JMA	V	17 11 40 02.2±.2	31.96N±.01	131.93E±.02	30	2.8		**¶97v2923**	
ISC	**V**	**17 15 37 04**±1.1	**31.92N**±.045	**130.35E**±.072	**5**±10		**14**	**0-2**	
JMA	V	17 15 37 04.8±.1	31.94N±.00	130.38E±.01	8±3	3.0		**¶97v2955**	
ISC	**V**	**17 18 23 07.6**±.71	**32.36N**±.040	**130.75E**±.049	**1**±8.2		**20**	**0-2**	
JMA	V	17 18 23 08.3±.0	32.36N±.00	130.75E±.00	12±2	3.0		**¶97v2969**	
ISC	**V**	**17 20 22 15.0**±.58	**31.91N**±.043	**130.34E**±.056	**6**		**21**	**0-2**	
JMA	V	17 20 22 15.0±.1	31.94N±.00	130.37E±.01	6±2	2.8		**¶97v2982**	
ISC	**V**	**17 21 24 58.2**±.46	**32.36N**±.025	**130.63E**±.025	**26**±4.2	**4.2b,4.2s**	**141**	**0-88**	
JMA	V	17 21 24 57.8±.0	32.38N±.00	130.64E±.00	13±2	4.6		**¶97v2989**	
MOS	V	17 21 24 58.4	32.3N	130.7E	33	4.7b			
NEIC	V	17 21 24 58.4	32.40N	130.65E	33	4.5b,3.9s			
BJI	V	17 21 24 58.7	32.19N	130.58E	32	4.5L,4.5b			
EIDC	V	17 21 25 00.9	32.4N	130.7E	38	3.9b,4.1L			
JMA	Felt I= IV J1								
BJI	Ms4.5								
ISC	**V**	**17 23 28 04.8**±.86	**31.91N**±.057	**130.26E**±.063	**7**±10		**12**	**0-2**	
JMA	V	17 23 28 05.2±.1	31.91N±.00	130.29E±.01	9±3	2.8		**¶97v2997**	
ISC	**V**	**18 08 49 13.9**±.48	**31.84N**±.036	**130.27E**±.050	**10**		**28**	**0-4**	
JMA	V	18 08 49 13.5±.1	31.87N±.01	130.30E±.01	10	3.4		**¶97v3055**	
NEIC	V	18 08 49 14.6	31.85N	130.42E	10				
NEIC	Single network solution.								
ISC	**V**	**18 12 11 26**±1.9	**32.39N**±.036	**130.65E**±.038	**11**±15	**3.5b**	**68**	**0-72**	
NEIC	V	18 12 11 25.7	32.37N	130.79E	10			**¶97v3076**	
JMA	V	18 12 11 26.3±.0	32.38N±.00	130.65E±.00	14±1	3.9			
EIDC	V	18 12 11 28.5	32.7N	130.7E	0	3.5b,3.3L			
NEIC	Less reliable solution.								
ISC	**V**	**18 15 48 34.8**±.67	**32.39N**±.033	**130.63E**±.040	**3**±6.6		**32**	**0-3**	
JMA	V	18 15 48 35.4±.0	32.38N±.00	130.65E±.00	12±2	3.3		**¶97v3114**	
ISC	**V**	**18 18 05 15.3**±.45	**32.36N**±.039	**130.61E**±.044	**12**		**25**	**0-3**	
JMA	V	18 18 05 15.2±.0	32.38N±.00	130.64E±.00	12±2	2.8		**¶97v3128**	
ISC	**V**	**18 18 32 18.6**±.62	**33.59N**±.048	**131.91E**±.043	**78**±11		**41**	**0-4**	
JMA	V	18 18 32 19.0±.1	33.59N±.01	131.91E±.01	71±2			**¶97v3130**	
ISC	**V**	**19 04 09 56.7**±.82	**31.96N**±.046	**130.29E**±.061	**4**±8.9	3.4b	**14**	**0-73**	
JMA	V	19 04 09 57.1±.1	31.95N±.00	130.31E±.01	8±2	2.8		**¶97v3191**	
ISC	**V**	**19 08 32 28.1**±.82	**31.96N**±.046	**130.29E**±.060	**8**±9.1		**17**	**0-2**	
JMA	V	19 08 32 28.6±.0	31.98N±.00	130.33E±.00	8±2	3.1		**¶97v3223**	
ISC	**V**	**19 08 34 18**±4.2	**30.6N**±.19	**131.4E**±.39	**33**±46		**8**	**0-3**	
JMA	V	19 08 34 17.5±.8	30.58N±.03	131.43E±.07	49	3.1		**¶97v3225**	
ISC	**V**	**19 13 48 36.6**±.39	**33.28N**±.036	**131.48E**±.038	**6**		**27**	**0-2**	
JMA	V	19 13 48 36.4±.0	33.30N±.00	131.48E±.01	6±2	3.0		**¶97v3262**	
ISC	**V**	**19 13 49 18.6**±.76	**31.85N**±.047	**131.18E**±.065	**56**±18		**33**	**0-4**	
JMA	V	19 13 49 18.1±.1	31.86N±.01	131.19E±.01	64±3			**¶97v3263**	
ISC	**V**	**19 14 36 02.7**±.56	**31.97N**±.042	**130.31E**±.054	**9**		**19**	**0-2**	
JMA	V	19 14 36 02.5±.1	31.98N±.00	130.34E±.00	9±2	2.8		**¶97v3268**	
ISC	**V**	**19 22 27 54**±1.9	**31.3N**±.35	**130.4E**±.26	**144**		**6**	**0-2**	
JMA	V	19 22 27 53.5±.4	31.27N±.02	130.43E±.02	144±3			**¶97v3313**	
ISC	**V**	**19 23 06 30**±4.5	**30.8N**±.26	**131.6E**±.36	**41**		**6**	**1-2**	
JMA	V	19 23 06 30.3±.5	30.79N±.03	131.55E±.04	41	2.9		**¶97v3319**	
ISC	**V**	**20 01 40 54.6**±.85	**31.94N**±.051	**130.45E**±.063	**7**±10		**13**	**0-2**	
JMA	V	20 01 40 55.1±.1	31.95N±.00	130.48E±.01	6±2	2.8		**¶97v3340**	
ISC	**V**	**20 06 00 18.8**±.88	**31.92N**±.045	**130.27E**±.059	**1**±9.7		**18**	**0-2**	
JMA	V	20 06 00 19.4±.1	31.93N±.00	130.28E±.01	8±3	3.1		**¶97v3365**	
ISC	**V**	**20 12 35 59**±1.6	**30.50N**±.080	**130.9E**±.12	**5**±11		**13**	**0-3**	
JMA	V	20 12 35 59.1±.3	30.50N±.02	130.91E±.03	10±3	3.2		**¶97v3398**	
ISC	**V**	**20 18 19 13.2**±.60	**30.57N**±.050	**131.23E**±.075	**49**±8.8	**3.5b**	**35**	**0-73**	
NEIC	V	20 18 19 12.0	30.56N	131.19E	33			**¶97v3443**	
JMA	V	20 18 19 12.9±.3	30.58N±.02	131.20E±.03	35±3	3.3			
EIDC	V	20 18 19 14.6	30.7N	131.1E	38	3.4b,2.6L			
NEIC	Less reliable solution.								
ISC	**V**	**21 03 31 11.2**±.89	**31.96N**±.043	**130.40E**±.052	**0**±8.3		**25**	**0-3**	
JMA	V	21 03 31 11.8±.1	31.96N±.00	130.42E±.01	9±2	3.2		**¶97v3505**	
ISC	**V**	**21 04 56 45**±1.6	**30.26N**±.084	**130.0E**±.22	**130**±26		**11**	**0-4**	
JMA	V	21 04 56 46.2±.2	30.27N±.01	129.97E±.03	117±4			**¶97v3516**	
ISC	**V**	**21 08 47 32.8**±.62	**31.97N**±.043	**130.32E**±.060	**9**		**19**	**0-3**	
JMA	V	21 08 47 32.7±.0	31.97N±.00	130.40E±.00	9±2	2.9		**¶97v3535**	
JMA	**V**	**21 09 57 50.3**±.5	**30.55N**±.02	**131.28E**±.04	**31**±2	**2.8**		**¶97v3543**	
ISC	**V**	**21 11 01 44.9**±.54	**32.02N**±.038	**130.14E**±.056	**10**		**20**	**0-2**	
JMA	V	21 11 01 44.8±.1	32.02N±.00	130.18E±.01	10±3	3.0		**¶97v3553**	
ISC	**V**	**21 22 29 28.9**±.89	**33.1N**±.10	**131.4E**±.28	**83**		**6**	**0-1**	
JMA	V	21 22 29 28.9±.2	33.13N±.01	131.44E±.02	83±3			**¶97v3618**	
ISC	**V**	**22 04 32 00**±1.7	**31.94N**±.076	**131.08E**±.087	**110**±21		**23**	**0-3**	
JMA	V	22 04 32 01.0±.3	31.95N±.01	131.08E±.02	101±3			**¶97v3705**	
ISC	**V**	**22 04 50 00**±2.9	**30.6N**±.16	**131.1E**±.29	**26**±11		**7**	**0-2**	
JMA	V	22 04 49 59.3±.5	30.60N±.02	131.14E±.05	31±3	2.8		**¶97v3707**	
ISC	**V**	**22 15 03 02**±1.5	**30.6N**±.15	**130.8E**±.15	**9**±17		**5**	**0-1**	
JMA	V	22 15 03 02.6±.2	30.58N±.01	130.83E±.02	8	3.1		**¶97v3787**	
ISC	Poorly determined								
JMA	**V**	**22 19 34 35.2**±.6	**30.03N**±.02	**131.45E**±.05	**39**	**2.8**		**¶97v3825**	
ISC	**V**	**22 20 55 44**±3.9	**31.3N**±.17	**130.5E**±.24	**173**±32		**21**	**0-5**	
JMA	V	22 20 55 45.3±.4	31.33N±.02	130.48E±.03	157±4			**¶97v3833**	
ISC	**V**	**23 11 47 57**±5.2	**33.3N**±.15	**131.6E**±.55	**106**		**11**	**1-3**	
JMA	V	23 11 47 57.9±.2	33.35N±.01	131.67E±.02	106±2			**¶97v3948**	
ISC	**V**	**23 19 47 14.9**±.84	**31.99N**±.044	**130.31E**±.060	**3**±9.8		**15**	**0-2**	
JMA	V	23 19 47 15.2±.1	31.98N±.01	130.35E±.01	7±3	2.8		**¶97v3995**	
ISC	**V**	**23 22 45 33.8**±.47	**31.91N**±.036	**130.31E**±.052	**6**		**30**	**0-4**	
JMA	V	23 22 45 33.7±.1	31.94N±.00	130.38E±.00	6±2	3.4		**¶97v4014**	
ISC	**V**	**24 17 16 42.5**±.84	**31.94N**±.052	**130.37E**±.060	**6**±9.2		**17**	**0-16**	
JMA	V	24 17 16 43.0±.1	31.95N±.00	130.38E±.01	5±2	2.9		**¶97v4145**	
ISC	**V**	**24 17 21 15**±1.4	**31.2N**±.17	**130.7E**±.32	**117**		**5**	**0-2**	
JMA	V	24 17 21 15.2±.6	31.15N±.03	130.65E±.05	117±5			**¶97v4147**	
ISC	**V**	**24 17 46 25.7**±.83	**31.99N**±.051	**130.31E**±.062	**4**±11		**13**	**0-2**	
JMA	V	24 17 46 26.2±.1	31.99N±.00	130.33E±.01	8±2	2.8		**¶97v4151**	
ISC	**V**	**24 21 10 59.2**±.73	**31.92N**±.027	**130.28E**±.031	**9**±5.5	**4.0b,3.9s**	**99**	**0-88**	
NEIC	V	24 21 10 58.1	31.85N	130.36E	10	4.1b		**¶97v4171**	
EIDC	V	24 21 10 58.4	31.8N	130.2E	0	3.9b,3.4s			
JMA	V	24 21 10 59.4±.1	31.95N±.00	130.32E±.01	8±2	4.2			
BJI	V	24 21 11 01.7	31.93N	129.99E	5	4.1L,4.4b			
MOS	V	24 21 11 02.3	31.8N	130.8E	33	4.3b			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		Less reliable solution.						
BJI		Ms4.2						
ISC	**V**	**25 08 16 47**±2.2	**30.8N**±.11	**131.4E**±.19	**29**±12		**9**	**0-73**
JMA	V	25 08 16 45.1±.5	30.71N±.02	131.55E±.05	47±5	3.1		¶97v4242
ISC	**V**	**26 02 39 43**±8.0	**31.1N**±.15	**129.2E**±.69	**8**		**4**	**1-2**
JMA	V	26 02 39 42.9±.3	31.11N±.01	129.19E±.04	8±4	3.0		¶97v4356
ISC		Poorly determined						
ISC	**V**	**26 05 28 31**±4.3	**30.6N**±.19	**131.4E**±.32	**28**±18		**8**	**0-3**
JMA	V	26 05 28 29.8±.9	30.50N±.04	131.49E±.08	41	3.2		¶97v4370
ISC	**V**	**26 05 30 13**±4.2	**30.6N**±.19	**131.4E**±.34	**31**±17		**7**	**0-2**
JMA	V	26 05 30 10.7±.8	30.50N±.03	131.54E±.06	41	3.0		¶97v4371
ISC	**V**	**26 19 35 08**±1.3	**31.99N**±.058	**131.1E**±.12	**73**±21		**13**	**0-2**
JMA	V	26 19 35 08.4±.1	31.99N±.00	131.08E±.01	73±2			¶97v4457
JMA	**V**	**26 23 28 28.2**±.7	**30.10N**±.02	**131.43E**±.05	**28**	**2.8**		¶97v4485
ISC	**V**	**27 02 41 11**±2.2	**32.59N**±.096	**131.2E**±.13	**150**±25		**20**	**0-3**
JMA	V	27 02 41 10.9±.2	32.61N±.01	131.19E±.02	152±3			¶97v4503
ISC	**V**	**27 02 59 37.1**±.84	**31.96N**±.046	**130.32E**±.059	**6**±9.4		**16**	**0-2**
JMA	V	27 02 59 37.6±.1	31.98N±.00	130.35E±.01	7±2	2.9		¶97v4508
ISC	**V**	**27 04 44 42**±1.1	**31.4N**±.14	**130.7E**±.18	**107**		**5**	**1-1**
JMA	V	27 04 44 42.0±.3	31.43N±.01	130.65E±.02	107±3			¶97v4512
ISC	**V**	**27 07 58 46**±3.3	**30.3N**±.21	**130.9E**±.26	**17**±19		**6**	**0-2**
JMA	V	27 07 58 46.5±.4	30.32N±.02	130.92E±.03	21±3	3.0		¶97v4534
ISC	**V**	**27 11 55 19**±1.4	**31.5N**±.22	**131.6E**±.36	**33**	**3.5b**	**4**	**7-73**
EIDC	V	27 11 55 16.3	31.5N	131.3E	0	3.5b,3.2L		¶97v4565
ISC		Poorly determined						
ISC	**V**	**27 12 44 47**±1.7	**30.6N**±.15	**130.9E**±.23	**10**±17		**7**	**0-2**
JMA	V	27 12 44 47.4±.4	30.53N±.03	130.91E±.04	15±4	3.3		¶97v4569
ISC	**V**	**27 14 50 12**±1.2	**31.4N**±.20	**130.4E**±.25	**155**		**6**	**0-2**
JMA	V	27 14 50 12.6±.3	31.35N±.01	130.44E±.02	155±3			¶97v4583
ISC	**V**	**28 01 54 48.1**±.86	**31.98N**±.050	**130.29E**±.060	**2**±10		**18**	**0-3**
JMA	V	28 01 54 48.7±.1	31.98N±.00	130.32E±.01	6±3	2.8		¶97v4639
ISC	**V**	**28 05 00 49**±1.0	**31.97N**±.055	**131.97E**±.058	**17**±11		**28**	**0-5**
JMA	V	28 05 00 49.5±.3	31.98N±.01	131.97E±.02	25±5	3.6		¶97v4658
ISC	**V**	**28 05 27 08**±1.0	**32.4N**±.17	**131.1E**±.20	**121**		**5**	**0-1**
JMA	V	28 05 27 08.4±.3	32.43N±.02	131.09E±.02	121±3			¶97v4663
JMA	**V**	**28 10 25 49.9**±.0	**31.81N**±.00	**130.30E**±.00	**14**	**2.8**		¶97v4703
ISC	**V**	**29 00 14 27.9**±.66	**32.39N**±.039	**130.63E**±.045	**0**±8.2		**21**	**0-2**
JMA	V	29 00 14 28.6±.0	32.38N±.00	130.63E±.00	12±1	3.0		¶97v4789
ISC	**V**	**30 01 03 03**±2.7	**30.3N**±.18	**130.9E**±.22	**16**		**5**	**0-1**
JMA	V	30 01 03 03.3±.4	30.31N±.03	130.89E±.04	16±5	3.1		¶97v4953
ISC	**V**	**30 06 05 27**±4.5	**30.9N**±.13	**130.4E**±.21	**137**±50		**12**	**0-3**
JMA	V	30 06 05 27.3±.3	30.91N±.01	130.38E±.02	138±3			¶97v4987
ISC	**V**	**30 07 32 31**±1.4	**30.6N**±.14	**130.8E**±.14	**5**±21		**6**	**0-1**
JMA	V	30 07 32 31.5±.2	30.61N±.02	130.81E±.02	7	3.0		¶97v4994
ISC		Poorly determined						
ISC	**V**	**30 13 14 18.4**±.90	**31.94N**±.052	**130.36E**±.061	**2**±11		**14**	**0-2**
JMA	V	30 13 14 18.9±.1	31.94N±.00	130.38E±.01	8±2	2.8		¶97v5043
ISC	**V**	**30 17 42 33.0**±.65	**31.88N**±.045	**130.27E**±.065	**8**		**13**	**0-2**
JMA	V	30 17 42 33.0±.1	31.87N±.00	130.28E±.01	8±2	3.1		¶97v5069
ISC	**V**	**30 23 33 27.9**±.86	**31.89N**±.043	**130.26E**±.061	**6**±9.1		**15**	**0-2**
JMA	V	30 23 33 28.3±.1	31.89N±.00	130.29E±.01	8±3	2.9		¶97v5114
ISC	**V**	**31 01 04 15.4**±.87	**31.89N**±.049	**131.09E**±.075	**3**±14		**10**	**0-1**
JMA	V	31 01 04 15.9±.1	31.89N±.00	131.09E±.01	8±2	2.8		¶97v5126
ISC	**V**	**31 01 11 03.6**±.81	**32.5N**±.15	**131.1E**±.26	**136**		**7**	**0-1**
JMA	V	31 01 11 03.8±.2	32.49N±.01	131.06E±.01	136±2			¶97v5129
ISC	**V**	**31 08 35 24.5**±.61	**31.95N**±.042	**130.13E**±.056	**6**		**22**	**0-3**
JMA	V	31 08 35 24.5±.1	31.96N±.00	130.16E±.01	6±3	2.9		¶97v5171
ISC	**V**	**31 12 23 22**±1.3	**33.43N**±.069	**131.86E**±.065	**80**±18		**24**	**0-2**
JMA	V	31 12 23 22.6±.1	33.45N±.01	131.85E±.01	72±2			¶97v5187
ISC	**V**	**31 15 11 59**±2.0	**31.2N**±.11	**130.5E**±.14	**177**±21		**26**	**0-5**
JMA	V	31 15 11 59.8±.3	31.22N±.01	130.46E±.03	166±3			¶97v5205
ISC	**V**	**31 19 06 09**±5.2	**33.1N**±.22	**131.5E**±.50	**114**		**11**	**1-3**
JMA	V	31 19 06 09.0±.2	33.07N±.01	131.48E±.02	114±2			¶97v5224
ISC	**VI**	**01 00 00 29**±1.3	**30.6N**±.13	**130.8E**±.13	**10**±15		**6**	**0-1**
JMA	VI	01 00 00 28.8±.3	30.60N±.02	130.81E±.02	11	3.3		¶97vi0001
ISC	**VI**	**01 09 50 45.7**±.85	**31.97N**±.046	**130.27E**±.058	**6**±9.3		**17**	**0-3**
JMA	VI	01 09 50 46.2±.1	31.99N±.00	130.33E±.01	9±2	2.9		¶97vi0058
ISC	**VI**	**01 14 18 31**±1.6	**30.9N**±.21	**130.3E**±.26	**162**		**7**	**1-2**
JMA	VI	01 14 18 30.8±.4	30.91N±.02	130.32E±.03	162±4			¶97vi0098
ISC	**VI**	**01 15 50 20.3**±.83	**31.97N**±.052	**130.35E**±.060	**7**±10		**15**	**0-2**
JMA	VI	01 15 50 20.8±.0	31.98N±.00	130.38E±.00	9±2	2.8		¶97vi0108
ISC	**VI**	**01 15 51 58.5**±.79	**31.97N**±.035	**130.35E**±.048	**7**±7.0	3.5b	**39**	**0-55**
JMA	VI	01 15 51 58.8±.1	31.98N±.00	130.38E±.01	9±2	3.7		¶97vi0109
EIDC	VI	01 15 52 00.1	32.0N	130.6E	23	3.1L,3.3b		
ISC	**VI**	**01 19 32 21.8**±.57	**31.93N**±.042	**130.29E**±.056	**10**		**22**	**0-2**
JMA	VI	01 19 32 21.8±.1	31.97N±.00	130.32E±.01	10±3	3.1		¶97vi0125
ISC	**VI**	**01 23 21 38.4**±.89	**31.94N**±.052	**130.37E**±.066	**2**±12		**12**	**0-2**
JMA	VI	01 23 21 38.9±.1	31.94N±.00	130.37E±.01	9±2	2.8		¶97vi0152
ISC	**VI**	**02 07 12 07.0**±.82	**31.96N**±.052	**130.37E**±.061	**8**±10		**13**	**0-2**
JMA	VI	02 07 12 07.5±.1	31.97N±.00	130.41E±.00	8±2	3.0		¶97vi0202
ISC	**VI**	**02 11 31 04.8**±.62	**31.85N**±.045	**130.24E**±.057	**8**		**19**	**0-2**
JMA	VI	02 11 31 05.0±.1	31.88N±.00	130.29E±.01	8±3	3.0		¶97vi0226
ISC	**VI**	**02 15 15 31**±2.1	**31.5N**±.11	**131.8E**±.20	**33**		**9**	**0-2**
JMA	VI	02 15 15 29.0±.4	31.50N±.02	131.89E±.03	33	2.9		¶97vi0257
ISC	**VI**	**02 18 55 51**±1.2	**31.2N**±.19	**130.4E**±.25	**155**		**7**	**0-2**
JMA	VI	02 18 55 51.2±.4	31.17N±.02	130.41E±.03	155±4			¶97vi0288
ISC	**VI**	**02 21 06 56.0**±.86	**31.88N**±.056	**130.26E**±.063	**7**±10		**13**	**0-2**
JMA	VI	02 21 06 56.5±.1	31.88N±.01	130.29E±.01	8±4	3.0		¶97vi0324
ISC	**VI**	**03 08 55 19**±1.8	**30.59N**±.095	**131.1E**±.19	**27**±11		**9**	**0-3**
JMA	VI	03 08 55 19.3±.4	30.58N±.02	131.12E±.05	32±3	3.1		¶97vi0410
ISC	**VI**	**03 08 57 15.4**±.90	**31.87N**±.047	**130.25E**±.060	**3**±9.9		**17**	**0-2**
JMA	VI	03 08 57 16.0±.0	31.89N±.00	130.29E±.00	10±2	3.3		¶97vi0411
ISC	**VI**	**05 17 39 09**±1.2	**31.75N**±.060	**131.89E**±.070	**22**±11		**24**	**1-3**
JMA	VI	05 17 39 09.3±.3	31.77N±.01	131.91E±.02	31±5	2.8		¶97vi0812
ISC	**VI**	**05 18 22 45**±1.7	**30.5N**±.14	**130.9E**±.19	**10**±14		**9**	**0-3**
JMA	VI	05 18 22 45.4±.4	30.53N±.03	130.88E±.04	15±4	2.9		¶97vi0816
ISC	**VI**	**06 02 28 26**±1.9	**31.21N**±.091	**130.4E**±.12	**165**±19		**27**	**0-5**
JMA	VI	06 02 28 26.6±.2	31.20N±.01	130.42E±.02	161±2			¶97vi0869
ISC	**VI**	**06 13 53 12.0**±.54	**31.93N**±.040	**130.34E**±.056	**8**		**17**	**0-2**
JMA	VI	06 13 53 12.0±.1	31.93N±.00	130.37E±.01	8±2	2.8		¶97vi0942
ISC	**VI**	**06 16 29 10**±1.7	**31.28N**±.082	**130.4E**±.13	**178**±19		**24**	**0-5**
JMA	VI	06 16 29 10.8±.2	31.26N±.01	130.35E±.02	170±3			¶97vi0958
ISC	**VI**	**06 16 41 12**±3.1	**31.1N**±.12	**131.6E**±.31	**28**±15		**7**	**1-2**
JMA	VI	06 16 41 11.6±.4	31.04N±.02	131.64E±.04	40±4	2.8		¶97vi0960
ISC	**VI**	**06 19 44 25**±2.5	**33.72N**±.084	**131.9E**±.12	**81**±29		**15**	**0-2**
JMA	VI	06 19 44 25.0±.2	33.73N±.01	131.94E±.01	76±2			¶97vi0981
ISC	**VI**	**06 21 18 12**±2.4	**31.0N**±.12	**131.6E**±.27	**46**		**8**	**1-2**
JMA	VI	06 21 18 12.0±.2	31.03N±.01	131.61E±.02	46±2	2.8		¶97vi0996
ISC	**VI**	**07 04 24 55**±1.2	**31.2N**±.18	**130.3E**±.28	**171**		**6**	**1-2**
JMA	VI	07 04 24 55.0±.5	31.17N±.03	130.29E±.03	171±4			¶97vi1040
ISC	**VI**	**07 09 28 41**±1.4	**31.74N**±.069	**131.91E**±.073	**19**±14		**22**	**1-3**
JMA	VI	07 09 28 41.0±.3	31.75N±.01	131.92E±.02	25±4	2.8		¶97vi1074
ISC	**VI**	**07 09 53 13**±1.7	**32.3N**±.14	**131.4E**±.11	**78**±23		**11**	**0-2**
JMA	VI	07 09 53 13.4±.3	32.34N±.02	131.39E±.02	71±4			¶97vi1077
ISC	**VI**	**07 22 52 01**±1.8	**33.76N**±.075	**131.84E**±.093	**89**±22		**22**	**0-2**
JMA	VI	07 22 52 01.9±.2	33.76N±.01	131.88E±.01	81±2			¶97vi1154
ISC	**VI**	**08 02 45 22.7**±.66	**32.39N**±.038	**130.62E**±.044	**3**±7.2		**23**	**0-2**
JMA	VI	08 02 45 23.3±.0	32.39N±.00	130.63E±.00	10±2	2.8		¶97vi1171
ISC	**VI**	**08 07 12 25**±1.6	**30.52N**±.083	**130.3E**±.27	**128**±30		**12**	**1-3**
JMA	VI	08 07 12 25.3±.2	30.52N±.01	130.22E±.04	119±4			¶97vi1193
ISC	**VI**	**08 14 01 02**±3.1	**31.1N**±.13	**131.5E**±.28	**17**±26		**5**	**0-2**
JMA	VI	08 14 01 00.7±.4	31.05N±.02	131.54E±.04	31±4	2.8		¶97vi1251
ISC		Poorly determined						
ISC	**VI**	**08 21 56 57**±3.0	**31.73N**±.095	**131.9E**±.25	**19**±16		**9**	**1-2**
JMA	VI	08 21 56 56.7±.2	31.73N±.01	131.96E±.02	27±3	2.8		¶97vi1291
ISC	**VI**	**09 04 06 03**±3.9	**31.3N**±.19	**131.5E**±.36	**28**±15		**5**	**0-1**
JMA	VI	09 04 06 02.6±.3	31.27N±.01	131.55E±.03	31±3	2.8		¶97vi1330
ISC		Poorly determined						
ISC	**VI**	**09 04 17 14.2**±.87	**32.11N**±.049	**130.04E**±.064	**2**±11		**15**	**0-2**
JMA	VI	09 04 17 14.8±.1	32.12N±.00	130.05E±.01	9±2	2.8		¶97vi1332
ISC	**VI**	**09 21 13 53**±1.9	**31.2N**±.23	**130.4E**±.47	**153**		**7**	**0-1**
JMA	VI	09 21 13 53.1±.5	31.23N±.02	130.39E±.03	153±4			¶97vi1440
ISC	**VI**	**09 21 54 48.4**±.89	**31.94N**±.041	**130.29E**±.061	**1**±10		**15**	**0-2**
JMA	VI	09 21 54 48.9±.1	31.94N±.00	130.29E±.01	7±2	2.9		¶97vi1444
ISC	**VI**	**09 23 53 05**±2.0	**31.3N**±.22	**130.5E**±.51	**150**		**5**	**0-2**
JMA	VI	09 23 53 05.0±.3	31.26N±.01	130.50E±.03	150±3			¶97vi1451
ISC	**VI**	**10 01 17 21**±1.0	**33.77N**±.037	**131.50E**±.036	**15**±8.1	**3.9b**	**48**	**0-68**
EIDC	VI	10 01 17 17.0	33.5N	131.6E	0	3.7b,2.9L		¶97vi1459
JMA	VI	10 01 17 21.2±.0	33.75N±.00	131.51E±.00	15±1	3.6		
ISC	**VI**	**10 21 06 39.2**±.80	**31.91N**±.040	**130.34E**±.060	**8**±8.4		**18**	**0-2**
JMA	VI	10 21 06 39.7±.1	31.94N±.00	130.38E±.01	8±2	2.8		¶97vi1568
ISC	**VI**	**11 00 58 33**±1.1	**33.0N**±.13	**131.6E**±.18	**72**		**7**	**0-1**
JMA	VI	11 00 58 33.2±.2	33.03N±.01	131.57E±.01	72±2			¶97vi1595
ISC	**VI**	**11 06 25 58**±8.2	**31.4N**±.46	**131.7E**±.55	**24**±17		**6**	**0-2**
JMA	VI	11 06 25 57.3±.5	31.40N±.02	131.76E±.04	27±4	3.0		¶97vi1630
ISC	**VI**	**11 14 54 23**±1.6	**31.34N**±.084	**130.50E**±.097	**163**±16		**34**	**0-5**
JMA	VI	11 14 54 23.8±.2	31.32N±.01	130.46E±.01	158±2			¶97vi1703
ISC	**VI**	**11 21 38 04.9**±.44	**31.91N**±.033	**130.28E**±.046	**8**	3.6b	**39**	**0-31**
JMA	VI	11 21 38 04.9±.1	31.95N±.00	130.32E±.01	8±2	3.6		¶97vi1757
EIDC	VI	11 21 38 06.3	31.8N	130.7E	0	3.6b,3.1L		
ISC	**VI**	**11 23 04 39**±1.4	**31.9N**±.14	**131.0E**±.19	**83**		**7**	**0-1**
JMA	VI	11 23 04 38.7±.3	31.86N±.01	130.96E±.02	83±4			¶97vi1767
JMA	**VI**	**12 10 13 49.9**±.3	**31.13N**±.02	**130.13E**±.04	**136**±2			¶97vi1826
ISC	**VI**	**13 00 34 17**±4.2	**30.2N**±.23	**130.3E**±.25	**64**±45		**5**	**0-2**
JMA	VI	13 00 34 16.8±.2	30.19N±.01	130.32E±.02	62±3			¶97vi1912
ISC		Poorly determined						
ISC	**VI**	**13 06 47 52**±4.2	**32.1N**±.14	**131.2E**±.14	**130**±42		**13**	**0-2**
JMA	VI	13 06 47 53.4±.4	32.11N±.02	131.22E±.02	108±5			¶97vi1944
ISC	**VI**	**13 09 06 40**±3.0	**30.5N**±.16	**130.4E**±.16	**76**±35		**10**	**0-2**
JMA	VI	13 09 06 39.6±.1	30.50N±.01	130.41E±.01	75±2			¶97vi1960
ISC	**VI**	**13 16 56 22**±1.4	**30.6N**±.14	**130.8E**±.14	**7**±19		**5**	**0-1**
JMA	VI	13 16 56 22.5±.2	30.60N±.01	130.82E±.02	6	2.9		¶97vi2015
ISC		Poorly determined						
ISC	**VI**	**14 01 13 22.3**±.94	**31.92N**±.050	**129.65E**±.092	**7**		**13**	**0-2**
JMA	VI	14 01 13 22.6±.2	31.91N±.01	129.67E±.02	7±4	2.9		¶97vi2068
ISC	**VI**	**14 09 40 48.7**±.95	**32.40N**±.045	**129.77E**±.067	**3**±8.3		**19**	**0-2**
JMA	VI	14 09 40 49.4±.1	32.43N±.00	129.78E±.01	10±2	2.8		¶97vi2112
ISC	**VI**	**14 11 03 03**±3.6	**30.8N**±.24	**131.3E**±.42	**30**±17		**7**	**0-2**
JMA	VI	14 11 03 01.0±.5	30.74N±.03	131.42E±.04	46±4	2.9		¶97vi2120
ISC		Poorly determined						
ISC	**VI**	**14 16 25 37**±1.2	**31.2N**±.17	**130.4E**±.22	**157**		**9**	**0-2**
JMA	VI	14 16 25 37.3±.3	31.17N±.02	130.37E±.02	157±3			¶97vi2148
ISC	**VI**	**14 19 32 21**±1.6	**32.13N**±.079	**130.8E**±.10	**168**±15		**40**	**0-6**
JMA	VI	14 19 32 20.9±.2	32.07N±.01	130.86E±.02	171±2			¶97vi2164
ISC	**VI**	**15 06 57 06.9**±.90	**31.83N**±.064	**130.25E**±.067	**8**±12		**10**	**0-2**
JMA	VI	15 06 57 07.3±.2	31.82N±.01	130.26E±.01	9±4	2.9		¶97vi2253
ISC	**VI**	**15 13 24 25**±1.4	**30.4N**±.11	**131.49E**±.082	**56**		**35**	**1-5**
JMA	VI	15 13 24 25.9±.3	30.45N±.02	131.46E±.03	56±3	3.2		¶97vi2304
ISC	**VI**	**16 09 14 24**±4.8	**30.0N**±.31	**131.2E**±.37	**47**		**8**	**1-3**
JMA	VI	16 09 14 23.8±.6	30.01N±.03	131.24E±.04	47	3.0		¶97vi2432
ISC	**VI**	**16 11 39 58**±4.5	**30.2N**±.27	**131.2E**±.37	**45**±56		**7**	**1-2**
JMA	VI	16 11 39 56.6±.6	30.07N±.03	131.27E±.04	50	3.7		¶97vi2452
ISC	**VI**	**16 13 00 11.1**±.56	**31.95N**±.042	**130.34E**±.054	**9**		**24**	**0-3**
JMA	VI	16 13 00 11.3±.0	31.98N±.00	130.40E±.00	9±2	3.0		¶97vi2463
ISC	**VI**	**16 16 31 41.4**±.59	**32.79N**±.034	**130.80E**±.038	**0**±6.6		**29**	**0-3**
JMA	VI	16 16 31 42.1±.0	32.79N±.00	130.80E±.00	12±2	2.8		¶97vi2493
ISC	**VI**	**16 19 38 53.2**±.88	**32.11N**±.040	**130.03E**±.061	**2**±9.7		**17**	**0-2**
JMA	VI	16 19 38 53.7±.1	32.11N±.00	130.04E±.01	9±2	2.8		¶97vi2506
ISC	**VI**	**16 21 31 13**±1.3	**33.62N**±.065	**131.56E**±.068	**129**±16		**28**	**0-3**
JMA	VI	16 21 31 14.0±.1	33.62N±.01	131.56E±.01	120±2			¶97vi2514
ISC	**VI**	**17 07 08 28.3**±.64	**32.40N**±.050	**131.48E**±.050	**73**±12		**37**	**0-5**
JMA	VI	17 07 08 28.5±.1	32.42N±.01	131.49E±.01	68±2			¶97vi2567
ISC	**VI**	**17 19 00 00.7**±.97	**31.3N**±.17	**130.3E**±.26	**166**		**7**	**0-2**
JMA	VI	17 19 00 00.8±.3	31.28N±.01	130.35E±.02	166±3			¶97vi2677
ISC	**VI**	**18 00 06 38**±1.2	**30.24N**±.063	**130.0E**±.16	**123**±19		**16**	**0-4**
JMA	VI	18 00 06 38.3±.1	30.25N±.01	130.01E±.02	116±2			¶97vi2708
JMA	**VI**	**18 00 45 54.1**±.2	**31.19N**±.01	**131.66E**±.02	**38**±2	**2.8**		¶97vi2709
ISC	**VI**	**18 06 33 28**±4.2	**30.5N**±.19	**130.4E**±.19	**72**±63		**7**	**1-3**
JMA	VI	18 06 33 27.7±.1	30.54N±.01	130.39E±.01	76±2			¶97vi2736
ISC	**VI**	**18 17 14 24.3**±.52	**31.96N**±.038	**130.30E**±.053	**8**		**29**	**0-4**
JMA	VI	18 17 14 24.2±.1	31.98N±.00	130.34E±.01	8±2	3.0		¶97vi2811
ISC	**VI**	**18 21 34 56**±3.0	**30.9N**±.14	**131.2E**±.34	**25**±18		**5**	**0-1**
JMA	VI	18 21 34 54.7±.6	30.85N±.02	131.35E±.06	38	2.8		¶97vi2831
ISC		Poorly determined						
ISC	**VI**	**19 11 12 48**±3.1	**30.2N**±.11	**131.2E**±.26	**26**±19		**8**	**1-2**
JMA	VI	19 11 12 46.4±.4	30.13N±.02	131.38E±.02	29±4	3.1		¶97vi2908
ISC	**VI**	**19 14 32 59**±1.8	**31.30N**±.088	**130.5E**±.12	**168**±19		**32**	**0-5**
JMA	VI	19 14 32 59.7±.2	31.30N±.01	130.44E±.02	159±2			¶97vi2928
ISC	**VI**	**19 23 10 33.8**±.99	**32.42N**±.047	**129.79E**±.075	**1**±11		**15**	**0-2**
JMA	VI	19 23 10 34.5±.0	32.43N±.00	129.79E±.00	7±1	2.8		¶97vi2972
ISC	**VI**	**20 03 08 29.5**±.89	**32.37N**±.040	**130.62E**±.045	**6**±9.1		**27**	**0-2**
JMA	VI	20 03 08 29.9±.0	32.38N±.00	130.63E±.00	11±2	3.1		¶97vi2997
ISC	**VI**	**21 01 13 52.9**±.80	**31.95N**±.045	**130.39E**±.059	**8**±8.8		**17**	**0-2**
JMA	VI	21 01 13 53.4±.0	31.97N±.00	130.43E±.00	9±2	2.8		¶97vi3132
ISC	**VI**	**21 07 34 25**±2.9	**31.2N**±.15	**131.6E**±.29	**40**±56		**7**	**0-2**
JMA	VI	21 07 34 24.8±.2	31.18N±.01	131.62E±.02	49±3	2.9		¶97vi3176
ISC	**VI**	**21 10 32 37**±1.4	**31.56N**±.062	**131.0E**±.12	**73**±21		**13**	**0-2**
JMA	VI	21 10 32 37.3±.1	31.57N±.00	130.96E±.01	74±1			¶97vi3199

ISC	**VI**	**21 11 50 29.5**±.98	**31.16N**±.059	**130.49E**±.099	**151**±13		**35**	**0-5**
JMA	VI	21 11 50 30.1±.1	31.15N±.01	130.43E±.01	145±2			¶97vi3211
ISC	**VI**	**21 12 39 45**±2.2	**30.2N**±.15	**129.9E**±.37	**132**±31		**8**	**0-3**
JMA	VI	21 12 39 45.9±.3	30.21N±.02	129.97E±.05	125±4			¶97vi3217
ISC	**VI**	**21 13 14 30.3**±.80	**32.47N**±.042	**130.47E**±.047	**7**±8.5		**24**	**0-3**
JMA	VI	21 13 14 30.6±.0	32.47N±.00	130.51E±.00	10±2	3.0		¶97vi3224
ISC	**VI**	**21 14 34 28.9**±.74	**32.47N**±.039	**130.49E**±.050	**6**±8.2		**25**	**0-2**
JMA	VI	21 14 34 29.3±.0	32.47N±.00	130.51E±.00	10±2	2.9		¶97vi3233
ISC	**VI**	**21 14 39 43**±3.4	**32.1N**±.19	**130.9E**±.18	**96**±37		**7**	**0-1**
JMA	VI	21 14 39 42.8±.1	32.06N±.01	130.92E±.01	97±2			¶97vi3234
ISC	**VI**	**21 14 57 45.0**±.91	**32.46N**±.043	**129.79E**±.065	**3**±8.0		**21**	**0-3**
JMA	VI	21 14 57 45.8±.0	32.47N±.00	129.82E±.00	9±2	3.1		¶97vi3237
ISC	**VI**	**22 03 39 27.3**±.62	**31.83N**±.044	**130.30E**±.059	**7**		**15**	**0-2**
JMA	VI	22 03 39 27.3±.1	31.85N±.01	130.29E±.01	7±3	2.9		¶97vi3318
JMA	**VI**	**22 15 33 57.5**±.3	**31.35N**±.01	**131.61E**±.02	**28**±3	**2.9**		¶97vi3405
ISC	**VI**	**23 10 18 36**±3.9	**30.5N**±.19	**131.4E**±.31	**32**±15		**7**	**0-2**
JMA	VI	23 10 18 34.6±.5	30.46N±.03	131.49E±.04	45	2.9		¶97vi3512
ISC	**VI**	**24 05 20 42**±1.3	**31.25N**±.071	**130.4E**±.12	**165**±15		**28**	**0-5**
JMA	VI	24 05 20 42.0±.3	31.23N±.01	130.41E±.03	164±3			¶97vi3646
ISC	**VI**	**24 06 48 10**±1.0	**31.26N**±.061	**130.4E**±.10	**167**±13		**34**	**0-6**
JMA	VI	24 06 48 10.1±.2	31.24N±.01	130.41E±.02	164±3			¶97vi3658
ISC	**VI**	**24 09 53 25**±2.1	**33.74N**±.090	**131.8E**±.10	**86**±24		**20**	**0-2**
JMA	VI	24 09 53 25.8±.1	33.74N±.01	131.82E±.01	80±2			¶97vi3693
ISC	**VI**	**24 14 36 19**±1.9	**31.5N**±.10	**130.5E**±.19	**157**±20		**24**	**0-5**
JMA	VI	24 14 36 18.8±.2	31.42N±.01	130.55E±.02	158±2			¶97vi3730
ISC	**VI**	**24 19 15 11**±1.1	**31.2N**±.16	**130.2E**±.27	**173**		**9**	**0-2**
JMA	VI	24 19 15 10.7±.3	31.15N±.02	130.21E±.02	173±3			¶97vi3772
ISC	**VI**	**25 00 30 17**±3.0	**31.87N**±.092	**131.0E**±.18	**76**±38		**8**	**0-1**
JMA	VI	25 00 30 16.7±.2	31.87N±.01	131.01E±.01	75±2			¶97vi3810
ISC	**VI**	**25 00 57 49**±1.3	**30.51N**±.080	**130.9E**±.14	**20**±9.9		**12**	**0-3**
JMA	VI	25 00 57 48.3±.3	30.46N±.02	131.00E±.03	21±3	3.3		¶97vi3817
ISC	**VI**	**26 01 32 19.9**±.86	**31.95N**±.047	**130.28E**±.065	**6**±9.8		**13**	**0-2**
JMA	VI	26 01 32 20.3±.1	31.95N±.00	130.31E±.01	8±2	2.8		¶97vi4064
ISC	**VI**	**27 05 12 31**±1.1	**31.95N**±.040	**130.36E**±.054	**6**±9.3		**41**	**0-6**
JMA	VI	27 05 12 32.0±.1	31.94N±.00	130.38E±.01	9±3	4.0		¶97vi4245
ISC	**VI**	**27 07 17 39.9**±.80	**31.94N**±.052	**130.38E**±.059	**1**±11		**14**	**0-2**
JMA	VI	27 07 17 40.5±.1	31.94N±.00	130.38E±.01	9±2	3.0		¶97vi4253
ISC	**VI**	**27 09 43 55**±4.5	**30.6N**±.30	**131.4E**±.33	**53**		**6**	**0-2**
JMA	VI	27 09 43 54.0±.3	30.56N±.02	131.47E±.03	53±3	2.9		¶97vi4273
ISC	**VI**	**28 04 28 06**±1.0	**31.83N**±.078	**130.26E**±.093	**7**±19		**7**	**0-1**
JMA	VI	28 04 28 06.3±.1	31.82N±.00	130.27E±.01	7±3	2.8		¶97vi4413
ISC	**VI**	**28 17 20 51**±2.3	**31.70N**±.086	**131.8E**±.21	**27**±12		**13**	**0-2**
JMA	VI	28 17 20 50.3±.3	31.69N±.01	131.80E±.03	37±4	2.8		¶97vi4508
ISC	**VI**	**28 18 54 54**±1.9	**31.71N**±.082	**131.7E**±.18	**29**±11		**17**	**0-3**
JMA	VI	28 18 54 53.6±.2	31.69N±.01	131.80E±.02	42±3	2.9		¶97vi4514
ISC	**VI**	**29 01 16 11**±1.3	**33.40N**±.070	**131.99E**±.059	**68**±19		**21**	**0-2**
JMA	VI	29 01 16 11.4±.1	33.41N±.01	131.99E±.01	64±2			¶97vi4549
ISC	**VI**	**29 03 03 16.5**±.83	**31.90N**±.039	**130.34E**±.054	**6**±8.1		**31**	**0-4**
JMA	VI	29 03 03 17.0±.1	31.93N±.00	130.38E±.01	9±2	3.3		¶97vi4559
ISC	**VI**	**29 09 15 22.7**±.86	**31.95N**±.044	**130.36E**±.058	**5**±9.3		**22**	**0-3**
JMA	VI	29 09 15 23.2±.1	31.97N±.00	130.41E±.01	8±2	2.8		¶97vi4598
ISC	**VI**	**30 00 59 25.2**±.83	**31.96N**±.049	**130.38E**±.061	**1**±9.4		**21**	**0-3**
JMA	VI	30 00 59 25.8±.1	31.98N±.00	130.40E±.01	8±2	3.1		¶97vi4692
ISC	**VI**	**30 11 54 23**±1.5	**32.64N**±.069	**131.29E**±.089	**122**±17		**26**	**0-3**
JMA	VI	30 11 54 23.5±.2	32.65N±.01	131.31E±.02	112±3			¶97vi4755
ISC	**VI**	**30 15 42 07**±2.9	**31.3N**±.23	**130.3E**±.64	**157**		**5**	**0-2**
JMA	VI	30 15 42 07.7±.5	31.26N±.02	130.34E±.05	157±4			¶97vi4784
ISC	**VI**	**30 16 55 10.3**±.88	**31.8N**±.14	**130.9E**±.13	**92**		**8**	**0-1**
JMA	VI	30 16 55 10.3±.2	31.83N±.01	130.91E±.01	92±2			¶97vi4792
ISC	**VI**	**30 20 17 05**±3.9	**31.1N**±.19	**130.0E**±.59	**160**		**6**	**1-2**
JMA	VI	30 20 17 04.9±.4	31.10N±.03	130.02E±.06	160			¶97vi4819
ISC	**VI**	**30 20 34 42.4**±.53	**31.92N**±.039	**130.28E**±.055	**9**		**21**	**0-3**
JMA	VI	30 20 34 42.5±.1	31.94N±.00	130.31E±.01	9±3	2.9		¶97vi4821

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ISC	**I**	**02 05 03 05.8**±.50	**33.21N**±.048	**132.19E**±.040	**37**±24		**33**	**0-3**
NEIC	I	02 05 03 05.3	33.20N	132.18E	33			¶97i0163
JMA	I	02 05 03 05.6±.1	33.22N±.01	132.19E±.01	43±2	3.6		
NEIC	Single network solution.							
ISC	**I**	**03 11 49 39.6**±.60	**33.72N**±.056	**134.97E**±.045	**45**±18		**45**	**0-5**
JMA	I	03 11 49 39.4±.1	33.74N±.01	134.99E±.01	45±3	3.1		¶97i0365
ISC	**I**	**05 03 44 45.8**±.64	**33.55N**±.057	**134.00E**±.053	**19**±7.9		**23**	**0-2**
JMA	I	05 03 44 45.9±.1	33.56N±.01	133.97E±.01	20±2	3.0		¶97i0612
ISC	**I**	**05 23 59 57**±1.2	**33.6N**±.20	**134.94E**±.093	**16**		**4**	**0-1**
JMA	I	05 23 59 57.7±.1	33.65N±.01	134.94E±.01	16±4	2.9		¶97i0724
ISC	Poorly determined							
ISC	**I**	**06 02 56 55.8**±.89	**33.57N**±.054	**132.04E**±.054	**60**±16		**22**	**0-2**
JMA	I	06 02 56 55.9±.0	33.57N±.00	132.02E±.00	57±1	3.0		¶97i0740
ISC	**I**	**08 19 32 38.9**±.50	**33.78N**±.041	**132.70E**±.043	**31**±6.1		**30**	**0-2**
JMA	I	08 19 32 38.4±.0	33.77N±.00	132.71E±.01	43±1	3.1		¶97i1105
ISC	**I**	**09 01 43 59.2**±.53	**33.84N**±.042	**132.38E**±.044	**45**±17		**30**	**0-3**
NEIC	I	09 01 43 58.9	33.85N	132.36E	33			¶97i1154
JMA	I	09 01 43 59.1±.0	33.82N±.00	132.39E±.01	49±2	3.3		
NEIC	Single network solution.							
JMA	**I**	**11 23 15 34.0**±.3	**33.42N**±.02	**132.09E**±.05	**62**±5			¶97i1592
ISC	**I**	**14 08 48 36.2**±.35	**33.24N**±.036	**132.37E**±.034	**10**	3.4b	**38**	**0-71**
JMA	I	14 08 48 35.6±.0	33.23N±.00	132.36E±.00	10±1	3.6		¶97i1973
ISC	**I**	**17 12 54 02**±1.1	**33.38N**±.074	**133.88E**±.060	**11**±9.5		**18**	**0-2**
JMA	I	17 12 54 02.5±.1	33.36N±.01	133.88E±.01	11±3	2.9		¶97i2455
ISC	**I**	**21 07 39 58.8**±.82	**33.61N**±.060	**132.09E**±.046	**78**±13		**33**	**0-3**
JMA	I	21 07 39 59.4±.1	33.61N±.01	132.08E±.01	68±2			¶97i3157
ISC	**I**	**25 07 03 21**±2.4	**32.1N**±.15	**132.8E**±.19	**33**		**14**	**1-2**
JMA	I	25 07 03 20.5±.2	32.17N±.01	132.74E±.02	33±4	2.9		¶97i3764
ISC	**I**	**25 13 40 22**±1.5	**33.20N**±.084	**134.00E**±.061	**13**±10	2.9b	**21**	**0-70**
JMA	I	25 13 40 21.7±.2	33.18N±.01	133.98E±.01	19±3	3.1		¶97i3822
ISC	**I**	**27 06 25 38.5**±.89	**32.66N**±.079	**132.23E**±.064	**23**±8.8		**20**	**1-2**
JMA	I	27 06 25 38.4±.1	32.64N±.01	132.26E±.01	34±2	2.8		¶97i4055
ISC	**I**	**28 12 54 51.5**±.92	**32.50N**±.086	**132.10E**±.061	**20**		**17**	**0-2**
JMA	I	28 12 54 51.9±.1	32.54N±.01	132.07E±.01	20±3	2.8		¶97i4212
ISC	**I**	**28 13 21 24**±1.2	**32.56N**±.071	**132.57E**±.070	**15**±11		**23**	**0-2**
JMA	I	28 13 21 24.3±.2	32.55N±.01	132.59E±.01	25±3	3.0		¶97i4215
ISC	**I**	**28 16 57 03.8**±.83	**33.77N**±.073	**134.92E**±.058	**3**±12		**13**	**0-2**
JMA	I	28 16 57 04.4±.0	33.77N±.01	134.92E±.00	14±2	2.9		¶97i4229
ISC	**I**	**29 05 28 07.3**±.83	**32.72N**±.070	**132.16E**±.061	**21**±9.1		**20**	**0-2**
NEIC	I	29 05 28 05.4	32.50N	132.14E	10			¶97i4308
JMA	I	29 05 28 07.4±.1	32.71N±.01	132.18E±.01	35±3	3.3		
NEIC	Poor solution.							
ISC	**I**	**29 23 29 25.6**±.64	**33.69N**±.059	**134.18E**±.043	**42**±15		**35**	**0-4**
JMA	I	29 23 29 25.2±.1	33.68N±.01	134.19E±.01	46±2	3.4		¶97i4416
ISC	**II**	**01 15 06 11.3**±.38	**33.58N**±.046	**134.31E**±.035	**42**±11		**62**	**0-70**
JMA	II	01 15 06 10.4±.1	33.54N±.01	134.34E±.01	42±2	3.3		¶97ii0088
NEIC	II	01 15 06 10.8	33.60N	134.34E	50			
NEIC	Less reliable solution.							
ISC	**II**	**02 17 29 12.8**±.65	**33.86N**±.066	**134.86E**±.053	**18**±13		**15**	**0-2**
JMA	II	02 17 29 12.9±.0	33.85N±.01	134.86E±.01	22±2	2.8		¶97ii0251
ISC	**II**	**03 09 10 04.8**±.40	**33.35N**±.046	**132.39E**±.044	**41**		**27**	**0-2**
JMA	II	03 09 10 04.5±.0	33.36N±.01	132.39E±.01	41±2	3.2		¶97ii0354
ISC	**II**	**03 10 58 26.6**±.80	**32.65N**±.059	**132.31E**±.067	**23**±8.8		**22**	**0-3**
JMA	II	03 10 58 26.8±.1	32.64N±.01	132.32E±.01	31±2	2.9		¶97ii0367
ISC	**II**	**11 14 54 36.2**±.47	**33.57N**±.041	**132.47E**±.043	**30**±5.8		**29**	**0-3**
JMA	II	11 14 54 35.8±.0	33.57N±.00	132.49E±.00	41±1	3.0		¶97ii1639
ISC	**II**	**12 04 56 54.5**±.87	**32.55N**±.087	**132.03E**±.055	**29**±8.4		**21**	**0-2**
JMA	II	12 04 56 54.5±.1	32.56N±.01	132.02E±.01	38±2	2.9		¶97ii1723
ISC	**II**	**15 03 35 47.7**±.52	**33.28N**±.057	**132.32E**±.053	**27**±7.5		**18**	**0-2**
JMA	II	15 03 35 47.6±.1	33.27N±.01	132.33E±.01	37±2	2.8		¶97ii2168
ISC	**II**	**15 22 47 00.2**±.53	**33.04N**±.051	**132.18E**±.041	**27**±6.3		**30**	**0-4**
JMA	II	15 22 46 59.9±.0	33.04N±.01	132.21E±.00	43±2	3.2		¶97ii2304
NEIC	II	15 22 47 00.1	32.98N	132.18E	33			
NEIC	Single network solution.							
ISC	**II**	**17 23 40 15.7**±.99	**33.55N**±.081	**134.20E**±.071	**40**±18		**18**	**0-2**
JMA	II	17 23 40 15.4±.1	33.55N±.01	134.20E±.01	43±2	3.0		¶97ii2573
ISC	**II**	**21 13 56 31.5**±.63	**32.76N**±.054	**132.09E**±.049	**28**±7.1		**25**	**0-2**
JMA	II	21 13 56 31.6±.1	32.76N±.01	132.09E±.01	35±2	3.0		¶97ii3080
ISC	**II**	**22 13 20 40.8**±.62	**33.35N**±.048	**132.20E**±.049	**31**±7.7		**25**	**0-2**
JMA	II	22 13 20 40.4±.0	33.36N±.01	132.21E±.01	43±2	2.8		¶97ii3211
ISC	**II**	**23 21 53 30.5**±.83	**32.53N**±.071	**132.36E**±.080	**25**		**18**	**0-2**
JMA	II	23 21 53 30.5±.1	32.54N±.01	132.35E±.01	25±3	2.8		¶97ii3379
ISC	**III**	**01 18 53 45.3**±.93	**33.33N**±.063	**134.62E**±.044	**16**±8.9		**37**	**0-3**
JMA	III	01 18 53 45.2±.1	33.31N±.01	134.62E±.01	28±2	3.1		¶97iii0164
ISC	**III**	**03 20 02 35**±1.2	**32.15N**±.073	**132.1E**±.10	**19**±12		**16**	**1-2**
JMA	III	03 20 02 34.8±.2	32.16N±.01	132.12E±.01	27±3	2.9		¶97iii0685
ISC	**III**	**08 10 23 53.0**±.83	**33.07N**±.070	**133.21E**±.054	**26**±7.0		**24**	**0-2**
JMA	III	08 10 23 52.9±.2	33.04N±.02	133.18E±.01	32±3	3.2		¶97iii1734
ISC	**III**	**10 04 06 40**±1.0	**32.53N**±.074	**132.06E**±.059	**18**±12		**18**	**0-2**
JMA	III	10 04 06 39.9±.2	32.51N±.02	132.07E±.01	20±4	2.9		¶97iii2145
ISC	**III**	**14 10 02 04.1**±.62	**32.69N**±.054	**132.33E**±.044	**42**±27		**36**	**0-3**
JMA	III	14 10 02 03.8±.1	32.68N±.01	132.33E±.01	44±2	3.1		¶97iii2854
ISC	**III**	**20 02 27 41**±2.6	**33.4N**±.22	**134.4E**±.13	**33**±38		**9**	**0-2**
JMA	III	20 02 27 41.0±.3	33.36N±.03	134.37E±.02	40±3	2.9		¶97iii3814
ISC	**III**	**22 04 00 13**±6.1	**33.3N**±.18	**132.1E**±.54	**52**±44		**6**	**0-1**
JMA	III	22 04 00 11.6±.2	33.30N±.01	132.06E±.03	60±3	1.9		¶97iii4191
ISC	**III**	**22 19 38 10.0**±.43	**33.39N**±.043	**132.22E**±.036	**47**±14		**44**	**0-71**
JMA	III	22 19 38 09.9±.0	33.40N±.01	132.22E±.01	47±2	3.3		¶97iii4307
ISC	**III**	**24 08 59 19.7**±.59	**33.16N**±.051	**132.02E**±.040	**54**±14		**35**	**0-3**
JMA	III	24 08 59 19.9±.1	33.17N±.01	132.02E±.01	49±2	3.3		¶97iii4551
ISC	**III**	**25 09 02 09.8**±.95	**32.39N**±.064	**132.20E**±.055	**24**±8.9		**29**	**1-3**
JMA	III	25 09 02 10.3±.2	32.41N±.01	132.18E±.01	35±4	3.2		¶97iii4701
ISC	**III**	**25 13 12 42.2**±.49	**33.61N**±.042	**132.52E**±.046	**32**±6.0		**28**	**0-2**
JMA	III	25 13 12 41.7±.0	33.60N±.00	132.52E±.00	42±1	2.8		¶97iii4732
ISC	**III**	**25 23 18 40**±1.7	**32.34N**±.088	**132.17E**±.088	**7**±12		**13**	**1-2**
JMA	III	25 23 18 40.9±.1	32.32N±.01	132.16E±.01	18±3	2.8		¶97iii4808
ISC	**III**	**27 07 17 59**±1.2	**32.32N**±.094	**132.13E**±.093	**19**±13		**11**	**1-2**
JMA	III	27 07 17 59.4±.2	32.31N±.02	132.13E±.02	24±5	2.9		¶97iii5164
ISC	**III**	**28 12 08 45.1**±.83	**32.52N**±.054	**132.30E**±.056	**26**±8.4		**28**	**1-3**
JMA	III	28 12 08 44.7±.1	32.49N±.01	132.33E±.01	42±3	2.9		¶97iii5434
ISC	**III**	**31 09 42 55.1**±.73	**33.52N**±.051	**132.00E**±.053	**77**±12		**35**	**0-4**
JMA	III	31 09 42 55.4±.1	33.54N±.01	131.99E±.01	70±2			¶97iii5870
ISC	**III**	**31 14 45 38.3**±.41	**33.38N**±.042	**132.43E**±.035	**48**±13		**43**	**0-4**
JMA	III	31 14 45 38.3±.1	33.38N±.01	132.42E±.01	48±2	3.6		¶97iii5896
ISC	**III**	**31 15 51 12.9**±.21	**33.35N**±.026	**132.43E**±.022	**52**±2.6	**4.6b,4.1s**	**195**	**0-169**
MOS	III	31 15 51 10.4	33.3N	132.4E	33	5.0b		¶97iii5901
BJI	III	31 15 51 11.3	33.23N	132.65E	63	4.7b,4.3s		
NEIC	III	31 15 51 11.6	33.32N	132.34E	43	4.8b,4.5s		
JMA	III	31 15 51 12.6±.1	33.38N±.01	132.44E±.01	52±2	4.6		
EIDC	III	31 15 51 13.3	33.4N	132.4E	46	4.2b,3.7s		
ISC	**III**	**31 16 43 46**±1.3	**33.33N**±.081	**132.4E**±.13	**41**		**17**	**0-3**
JMA	III	31 16 43 45.8±.2	33.37N±.01	132.41E±.02	41±2	3.3		¶97iii5905
ISC	**III**	**31 19 15 01.5**±.52	**33.36N**±.056	**132.37E**±.048	**29**±6.8		**24**	**0-3**
JMA	III	31 19 15 01.1±.1	33.38N±.01	132.41E±.01	43±2	2.8		¶97iii5918
ISC	**IV**	**01 12 55 09.2**±.29	**33.39N**±.038	**132.43E**±.032	**57**±6.8	**3.4b**	**60**	**0-57**
NEIC	IV	01 12 55 08.8	33.39N	132.42E	58			¶97iv0071
JMA	IV	01 12 55 09.3±.1	33.38N±.01	132.42E±.01	48±2	3.7		
EIDC	IV	01 12 55 10.1	33.4N	132.5E	44	3.2b,3.0L		
ISC	**IV**	**02 02 14 28.3**±.69	**33.39N**±.069	**132.39E**±.067	**27**±9.4		**13**	**0-1**
JMA	IV	02 02 14 28.3±.1	33.39N±.01	132.39E±.01	35±2	2.8		¶97iv0173
ISC	**IV**	**02 02 57 22.1**±.53	**33.41N**±.055	**132.39E**±.047	**34**±18		**24**	**0-3**
JMA	IV	02 02 57 21.8±.0	33.40N±.01	132.39E±.01	41±2	2.9		¶97iv0180
ISC	**IV**	**02 21 47 32.0**±.20	**33.36N**±.024	**132.38E**±.022	**54**±2.2	**4.8b,4.5s**	**286**	**0-169**
BJI	IV	02 21 47 30.6	33.18N	132.54E	65	5.0b,4.6s		¶97iv0323
NEIC	IV	02 21 47 30.9	33.36N	132.22E	46	4.9b,4.6s		
MOS	IV	02 21 47 31.1	33.3N	132.4E	53	5.3b		
JMA	IV	02 21 47 31.9±.1	33.38N±.01	132.43E±.01	52±2	4.9		
EIDC	IV	02 21 47 32.5	33.4N	132.5E	47	4.3b,4.0s		
HRVD	IV	02 21 47 38.0±.9	33.55N±.11	131.66E±.09	46			
NEIC	Mw5.1(HRV)							
NEIC	Felt I=IV J at Uwajima. Felt IV J at Kamae, Kyushu. Also felt in the Chugoku region, Honshu.							
JMA	Felt I= IV J1							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c12; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−3.36±.44; $M_{\theta\theta}$1.17±.85; $M_{\phi\phi}$2.19±.64; $M_{r\theta}$−2.57±.83; $M_{r\phi}$3.65±.71; $M_{\theta\phi}$−1.15±.52. Principal Axes: T 5.25,Plg27°,Azm236°; N 0.43, Plg1°,Azm145°; P −5.68,Plg63°,Azm54°. Best double couple: $M_0$5.5×10^{16}Nm, NP1:ϕ_S328°, δ18°,λ−87°. NP2:ϕ_S145°,δ72°,λ−91°.							
ISC	**IV**	**02 21 57 28.9**±.48	**33.39N**±.045	**132.36E**±.043	**26**±6.2		**25**	**0-3**
JMA	IV	02 21 57 28.6±.0	33.38N±.01	132.36E±.01	40±2	3.1		¶97iv0325
ISC	**IV**	**03 01 11 08.2**±.47	**33.39N**±.047	**132.40E**±.040	**39**±16		**34**	**0-4**
JMA	IV	03 01 11 08.0±.0	33.38N±.01	132.40E±.01	42±2	3.5		¶97iv0361
ISC	**IV**	**03 02 42 35.4**±.45	**33.41N**±.046	**132.36E**±.044	**28**±6.2		**24**	**0-3**
JMA	IV	03 02 42 35.3±.0	33.39N±.01	132.38E±.01	38±2	2.8		¶97iv0368
ISC	**IV**	**03 10 39 33.0**±.47	**33.37N**±.048	**132.37E**±.043	**26**±6.3		**24**	**0-2**
JMA	IV	03 10 39 32.8±.0	33.37N±.01	132.39E±.01	38±2	2.8		¶97iv0413
ISC	**IV**	**03 18 23 15.9**±.60	**33.36N**±.051	**132.40E**±.051	**32**±7.3		**23**	**0-2**
JMA	IV	03 18 23 15.4±.1	33.37N±.01	132.41E±.01	41±2	2.8		¶97iv0466
ISC	**IV**	**04 01 56 38.2**±.45	**33.39N**±.047	**132.36E**±.044	**28**±6.1		**27**	**0-3**
JMA	IV	04 01 56 38.0±.0	33.38N±.01	132.38E±.01	39±2	3.2		¶97iv0525
ISC	**IV**	**04 05 05 16.0**±.38	**33.41N**±.041	**132.38E**±.040	**34**±16		**35**	**0-5**
JMA	IV	04 05 05 15.5±.0	33.39N±.01	132.39E±.01	43±2	3.3		¶97iv0546
ISC	**IV**	**04 07 26 18.5**±.47	**33.39N**±.046	**132.36E**±.045	**25**±6.5		**24**	**0-2**
JMA	IV	04 07 26 18.3±.1	33.39N±.01	132.38E±.01	37±2	3.0		¶97iv0563

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**05 10 44 55.5**±.36	**33.37N**±.041	**132.38E**±.036	**34**±16		**43**	**0-4**
JMA	IV	05 10 44 55.0±.0	33.38N±.01	132.39E±.00	44±1	3.6	¶97iv0756	
ISC	**IV**	**05 21 35 44.9**±.43	**33.38N**±.045	**132.43E**±.036	**44**±14		**41**	**0-4**
JMA	IV	05 21 35 44.6±.0	33.38N±.01	132.42E±.01	49±2	3.4	¶97iv0859	
ISC	**IV**	**05 21 47 51.9**±.40	**33.37N**±.049	**132.39E**±.040	**41**		**30**	**0-3**
JMA	IV	05 21 47 51.6±.1	33.39N±.01	132.39E±.01	41±2	2.9	¶97iv0861	
ISC	**IV**	**06 05 00 57.1**±.57	**33.02N**±.056	**132.14E**±.043	**30**±6.6		**28**	**0-9**
JMA	IV	06 05 00 57.0±.1	33.03N±.01	132.14E±.01	39±2	2.9	¶97iv0929	
ISC	**IV**	**06 14 48 22.9**±.63	**33.83N**±.062	**134.57E**±.045	**38**±19		**28**	**0-2**
JMA	IV	06 14 48 22.6±.1	33.83N±.01	134.57E±.01	43±3	3.0	¶97iv1011	
ISC	**IV**	**07 16 16 33.4**±.50	**33.36N**±.047	**132.37E**±.047	**34**±18		**29**	**0-3**
JMA	IV	07 16 16 33.0±.0	33.37N±.01	132.37E±.01	40±1	3.1	¶97iv1186	
ISC	**IV**	**07 17 05 09.3**±.27	**33.36N**±.037	**132.42E**±.030	**57**±4.1	**4.0b**	**89**	**0-91**
BJI	IV	07 17 05 06.7	33.14N	132.49E	53	4.2b	¶97iv1193	
NEIC	IV	07 17 05 08.3	33.33N	132.33E	53	4.4b		
MOS	IV	07 17 05 09.0	33.3N	132.4E	59	4.6b		
JMA	IV	07 17 05 09.5±.0	33.38N±.00	132.40E±.01	47±1	4.1		
EIDC	IV	07 17 05 10.1	33.3N	132.4E	51	3.7b,3.4L		
ISC	**IV**	**08 02 03 10.1**±.80	**33.37N**±.069	**132.38E**±.074	**35**±21		**14**	**0-1**
JMA	IV	08 02 03 09.9±.0	33.37N±.01	132.38E±.01	39±1	2.8	¶97iv1259	
ISC	**IV**	**08 14 00 00.8**±.47	**33.38N**±.045	**132.36E**±.042	**25**±6.2		**26**	**0-3**
JMA	IV	08 14 00 00.6±.0	33.38N±.01	132.38E±.01	38±2	3.0	¶97iv1340	
ISC	**IV**	**09 07 14 31**±3.2	**32.1N**±.13	**132.7E**±.17	**3**±19		**16**	**1-3**
JMA	IV	09 07 14 31.9±.4	32.11N±.02	132.78E±.03	15	2.9	¶97iv1472	
ISC	**IV**	**09 08 26 14**±1.6	**32.1N**±.11	**132.9E**±.10	**30**		**24**	**1-3**
JMA	IV	09 08 26 13.0±.3	32.09N±.01	132.90E±.01	30±4	3.3	¶97iv1484	
ISC	**IV**	**11 06 34 27.7**±.46	**33.38N**±.045	**132.36E**±.041	**27**±6.0		**26**	**0-3**
JMA	IV	11 06 34 27.6±.0	33.39N±.01	132.38E±.01	38±2	3.2	¶97iv1824	
ISC	**IV**	**12 05 35 59.2**±.77	**33.99N**±.040	**132.97E**±.065	**7**±10		**14**	**0-1**
JMA	IV	12 05 35 59.7±.1	33.99N±.00	132.97E±.00	9±2	2.9	¶97iv2012	
ISC	**IV**	**12 09 07 41**±4.2	**32.18N**±.094	**132.67E**±.089	**13**±31		**24**	**1-3**
JMA	IV	12 09 07 41.3±.4	32.19N±.03	132.69E±.03	18	2.9	¶97iv2042	
ISC	**IV**	**13 01 24 42.4**±.40	**33.40N**±.043	**132.43E**±.037	**42**±14		**41**	**0-4**
JMA	IV	13 01 24 42.1±.1	33.38N±.01	132.40E±.01	45±2	3.6	¶97iv2167	
ISC	**IV**	**16 07 33 56.2**±.77	**33.92N**±.065	**133.74E**±.055	**44**±23		**18**	**0-2**
JMA	IV	16 07 33 55.7±.1	33.91N±.01	133.73E±.01	50±2	2.8	¶97iv2717	
ISC	**IV**	**17 05 57 39**±5.8	**33.4N**±.20	**132.1E**±.67	**66**		**6**	**0-1**
JMA	IV	17 05 57 38.5±.1	33.35N±.00	132.06E±.01	66±1		¶97iv2860	
ISC	**IV**	**18 16 39 32.2**±.49	**33.60N**±.046	**132.38E**±.042	**45**±16		**35**	**0-4**
JMA	IV	18 16 39 32.0±.1	33.61N±.01	132.40E±.01	47±2	3.2	¶97iv3101	
ISC	**IV**	**21 12 54 33.1**±.64	**33.23N**±.054	**132.27E**±.047	**33**±7.4		**23**	**0-2**
JMA	IV	21 12 54 32.9±.0	33.24N±.01	132.25E±.01	39±2	2.8	¶97iv3477	
ISC	**IV**	**23 03 09 57**±1.0	**33.1N**±.10	**133.85E**±.065	**38**		**21**	**0-2**
JMA	IV	23 03 09 56.5±.2	33.06N±.01	133.80E±.01	38±3	3.2	¶97iv3884	
ISC	**IV**	**23 15 51 00.2**±.72	**33.63N**±.053	**132.36E**±.048	**53**±16		**26**	**0-3**
JMA	IV	23 15 51 00.3±.0	33.64N±.00	132.34E±.00	50±1	2.8	¶97iv3989	
ISC	**IV**	**24 23 29 26.7**±.67	**33.93N**±.061	**134.87E**±.046	**50**±19		**31**	**0-3**
JMA	IV	24 23 29 26.4±.1	33.94N±.01	134.89E±.01	52±2	3.0	¶97iv4233	
ISC	**IV**	**26 04 53 52.9**±.92	**32.52N**±.059	**132.04E**±.046	**18**±9.4		**33**	**1-3**
JMA	IV	26 04 53 53.8±.0	32.58N±.01	132.04E±.01	36±2	3.2	¶97iv4468	
ISC	**IV**	**26 10 55 03.5**±.77	**33.61N**±.043	**133.98E**±.036	**1**±6.9		**35**	**0-3**
JMA	IV	26 10 55 03.9±.0	33.62N±.01	133.98E±.01	15±2	3.0	¶97iv4532	
ISC	**V**	**02 01 27 46**±3.3	**32.53N**±.070	**132.36E**±.062	**12**±28		**24**	**0-3**
JMA	V	02 01 27 47.0±.1	32.54N±.01	132.38E±.01	27±2	3.2	¶97v0189	
ISC	**V**	**09 00 43 15.2**±.48	**33.21N**±.046	**132.11E**±.038	**61**±11		**40**	**0-4**
JMA	V	09 00 43 15.3±.1	33.20N±.01	132.11E±.01	56±2	3.5	¶97v1335	
ISC	**V**	**09 16 18 37.9**±.41	**33.44N**±.043	**132.65E**±.036	**47**±14		**45**	**0-4**
JMA	V	09 16 18 38.0±.1	33.45N±.01	132.65E±.01	45±2	3.4	¶97v1448	
ISC	**V**	**11 02 21 19.1**±.72	**33.74N**±.064	**133.73E**±.056	**42**±20		**23**	**0-3**
JMA	V	11 02 21 18.5±.1	33.72N±.01	133.73E±.01	48±2	2.8	¶97v1703	
ISC	**V**	**12 20 48 46**±1.2	**32.23N**±.079	**132.1E**±.10	**16**±14		**13**	**0-2**
JMA	V	12 20 48 46.4±.2	32.22N±.01	132.06E±.01	21±3	2.9	¶97v2042	
ISC	**V**	**16 07 24 50**±1.2	**33.67N**±.082	**135.00E**±.048	**10**±9.4		**22**	**0-2**
JMA	V	16 07 24 50.5±.1	33.66N±.02	134.98E±.01	24±3	2.9	¶97v2736	
ISC	**V**	**21 16 30 59.7**±.51	**33.61N**±.043	**132.02E**±.039	**73**±11		**46**	**0-4**
JMA	V	21 16 31 00.0±.1	33.61N±.00	132.01E±.01	66±2		¶97v3583	
ISC	**V**	**22 11 29 31.3**±.33	**32.09N**±.032	**132.04E**±.030	**43**±5.1	**4.1b**,4.3s	**100**	**0-124**
BJI	V	22 11 29 21.2	31.58N	132.88E	33	4.3b,4.2s	¶97v3763	
NEIC	V	22 11 29 30.2	32.16N	132.06E	33	4.3b		
JMA	V	22 11 29 30.3±.3	32.12N±.01	132.04E±.01	18±3	3.9		
MOS	V	22 11 29 30.6	32.1N	132.7E	33	4.5b		
EIDC	V	22 11 29 33.9	32.2N	132.0E	47	3.7b,3.9L		
NEIC	Less reliable solution.							
ISC	**V**	**22 18 43 28.0**±.99	**33.90N**±.062	**134.98E**±.042	**1**±11		**29**	**0-2**
JMA	V	22 18 43 28.7±.0	33.85N±.01	134.99E±.00	14±2	2.9	¶97v3814	
ISC	**V**	**24 02 36 29**±1.8	**32.02N**±.091	**132.13E**±.093	**1**±13		**15**	**1-2**
JMA	V	24 02 36 28.8±.3	31.96N±.02	132.14E±.02	6	2.8	¶97v4038	
ISC	**V**	**25 11 24 22.7**±.56	**33.98N**±.063	**134.76E**±.050	**51**		**24**	**0-2**
JMA	V	25 11 24 22.4±.1	33.99N±.01	134.77E±.01	51±3	2.8	¶97v4264	
ISC	**V**	**25 14 12 32.9**±.73	**32.51N**±.049	**132.04E**±.045	**25**±7.7		**35**	**1-3**
JMA	V	25 14 12 33.0±.1	32.53N±.01	132.04E±.01	39±2	3.0	¶97v4283	
ISC	**V**	**26 19 59 59.3**±.83	**33.54N**±.050	**132.03E**±.053	**65**±15		**25**	**0-2**
JMA	V	26 19 59 59.0±.1	33.53N±.01	132.03E±.01	67±2		¶97v4460	
ISC	**VI**	**03 00 57 14**±7.4	**33.7N**±.16	**132.2E**±.54	**60**±58		**7**	**0-1**
JMA	VI	03 00 57 14.5±.2	33.74N±.01	132.19E±.02	60±2	1.9	¶97vi0361	
ISC	**VI**	**03 10 36 15.5**±.58	**33.24N**±.050	**132.01E**±.040	**47**±16		**31**	**0-3**
JMA	VI	03 10 36 15.3±.1	33.24N±.01	132.02E±.01	50±2	3.1	¶97vi0428	
ISC	**VI**	**04 04 17 56.6**±.44	**33.50N**±.044	**132.31E**±.043	**34**±20		**29**	**0-3**
JMA	VI	04 04 17 56.1±.0	33.49N±.00	132.33E±.00	43±1	3.1	¶97vi0555	
ISC	**VI**	**06 06 20 41.2**±.53	**33.75N**±.058	**134.68E**±.039	**38**±20		**39**	**0-4**
JMA	VI	06 06 20 40.6±.1	33.76N±.01	134.67E±.01	47±3	3.2	¶97vi0894	
ISC	**VI**	**06 19 37 56.8**±.60	**32.85N**±.049	**132.05E**±.049	**40**±24		**30**	**0-3**
JMA	VI	06 19 37 56.5±.0	32.85N±.00	132.06E±.00	47±2	2.9	¶97vi0980	
ISC	**VI**	**09 16 37 11.0**±.89	**32.38N**±.055	**132.04E**±.044	**21**±8.7		**38**	**0-3**
JMA	VI	09 16 37 11.5±.2	32.41N±.01	132.05E±.01	28±4	3.2	¶97vi1422	
ISC	**VI**	**22 04 36 12.4**±.24	**33.70N**±.039	**132.06E**±.032	**71**±4.5	**3.8b**	**114**	**0-98**
EIDC	VI	22 04 36 04.1	33.6N	131.5E	0	3.9b,4.1L	¶97vi3327	
NEIC	VI	22 04 36 07.2	33.72N	131.51E	33			
BJI	VI	22 04 36 08.1	33.54N	131.99E	35	4.2b		
JMA	VI	22 04 36 12.5±.1	33.75N±.01	132.04E±.01	66±2	3.9		
ISC	**VI**	**26 02 15 04.1**±.96	**32.57N**±.081	**132.09E**±.068	**22**		**16**	**1-2**
JMA	VI	26 02 15 04.1±.2	32.57N±.01	132.10E±.01	22±4	2.8	¶97vi4071	
ISC	**VI**	**30 23 05 15.5**±.35	**33.35N**±.045	**133.97E**±.031	**48**		**70**	**0-16**
JMA	VI	30 23 05 14.8±.1	33.33N±.01	133.97E±.01	48±2	4.0	¶97vi4836	

(237) South-east of Shikoku.

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**01 15 05 37.7**±.92	**30.55N**±.030	**132.85E**±.026	**18**±7.7	**4.2b,4.0s**	**178**	**2-90**
JMA	I	01 15 05 39.0±.1	30.56N±.01	132.85E±.01	74		¶97i0084	
BJI	I	01 15 05 39.2	30.58N	132.78E	32	4.5b,4.2s		
NEIC	I	01 15 05 39.3	30.63N	132.95E	33	4.6b		
MOS	I	01 15 05 39.5	30.6N	133.0E	33	4.7b		
EIDC	I	01 15 05 40.5	30.6N	133.1E	30	3.8b,4.1L		
ISC	**I**	**02 22 45 39**±1.9	**31.2N**±.13	**133.3E**±.12	**43**		**29**	**2-4**
JMA	I	02 22 45 39.2±.2	31.31N±.02	133.24E±.01	43	3.2	¶97i0282	
ISC	**I**	**06 17 44 41**±1.6	**32.2N**±.14	**136.6E**±.24	**33**	2.9b	**4**	**5-52**
EIDC	I	06 17 44 38.3	32.1N	136.8E	0	3.4L,2.9b	¶97i0817	
ISC	Poorly determined							
ISC	**I**	**09 07 29 50**±2.8	**30.8N**±.14	**132.0E**±.23	**51**±54		**18**	**1-3**
JMA	I	09 07 29 49.0±.3	30.78N±.02	132.08E±.03	55	3.2	¶97i1185	
ISC	**I**	**12 17 48 27**±8.2	**30.8N**±.28	**132.4E**±.67	**59**		**10**	**1-2**
JMA	I	12 17 48 26.7±.2	30.79N±.01	132.46E±.02	59	2.9	¶97i1721	
ISC	**I**	**22 15 00 06**±5.9	**30.5N**±.24	**132.9E**±.47	**69**		**14**	**2-3**
JMA	I	22 15 00 06.0±.3	30.53N±.02	132.89E±.02	69		¶97i3344	
ISC	**I**	**25 08 45 19**±4.2	**31.4N**±.14	**132.5E**±.37	**54**		**12**	**1-2**
JMA	I	25 08 45 19.7±.4	31.47N±.02	132.45E±.04	54	3.1	¶97i3776	
ISC	**I**	**29 02 36 30**±3.4	**31.4N**±.27	**132.0E**±.15	**78**±39		**9**	**1-5**
JMA	I	29 02 36 34.7±.5	31.65N±.03	131.79E±.04	50	2.8	¶97i4290	
ISC	**I**	**31 16 13 22**±1.0	**30.83N**±.076	**132.33E**±.085	**52**		**30**	**1-4**
JMA	I	31 16 13 21.8±.2	30.85N±.01	132.31E±.01	52	3.1	¶97i4647	
ISC	**II**	**01 05 35 09**±2.7	**30.7N**±.16	**133.1E**±.20	**56**		**25**	**2-4**
JMA	II	01 05 35 09.1±.5	30.70N±.03	133.05E±.03	56	3.3	¶97ii0028	
ISC	**II**	**04 23 56 25**±9.1	**30.8N**±.63	**133.7E**±.28	**0**		**18**	**2-4**
JMA	II	04 23 56 23.6±.4	30.73N±.03	133.75E±.02	0	3.0	¶97ii0610	
ISC	**II**	**06 01 45 29**±1.8	**31.8N**±.11	**132.1E**±.11	**17**±14		**13**	**1-2**
JMA	II	06 01 45 29.7±.3	31.86N±.02	132.06E±.02	21	2.8	¶97ii0782	
ISC	**II**	**09 18 25 50**±2.0	**31.3N**±.13	**133.6E**±.13	**39**		**28**	**2-4**
JMA	II	09 18 25 50.5±.3	31.39N±.02	133.48E±.02	39	3.1	¶97ii1338	
ISC	**II**	**17 20 57 14**±3.7	**30.7N**±.18	**132.1E**±.31	**53**		**12**	**1-2**
JMA	II	17 20 57 12.5±.3	30.64N±.02	132.19E±.02	53	3.0	¶97ii2546	
ISC	**II**	**19 11 23 20**±1.3	**30.02N**±.095	**132.33E**±.088	**46**		**34**	**1-5**
JMA	II	19 11 23 19.6±.2	30.05N±.01	132.36E±.01	46	3.3	¶97ii2781	
JMA	**II**	**19 11 24 42.9**±.1	**30.05N**±.01	**132.39E**±.02	**50**	**3.0**	¶97ii2782	
ISC	**II**	**19 11 25 25**±3.0	**29.9N**±.21	**132.4E**±.16	**47**		**24**	**1-5**
JMA	II	19 11 25 26.1±.5	30.01N±.03	132.31E±.04	47	3.3	¶97ii2783	
JMA	**II**	**19 11 25 33.3**±.5	**30.02N**±.03	**132.30E**±.03	**48**	**3.3**	¶97ii2784	
ISC	**II**	**19 11 26 53**±1.5	**30.0N**±.11	**132.3E**±.10	**39**		**23**	**1-4**
JMA	II	19 11 26 52.2±.6	30.06N±.03	132.36E±.04	39	3.3	¶97ii2785	
JMA	**II**	**19 11 27 55.2**±.3	**30.07N**±.02	**132.32E**±.02	**34**	**3.0**	¶97ii2786	
ISC	**II**	**19 11 36 05**±1.1	**29.97N**±.077	**132.36E**±.084	**48**		**37**	**1-5**
JMA	II	19 11 36 05.0±.2	30.05N±.02	132.37E±.01	48	3.4	¶97ii2787	
ISC	**II**	**19 13 16 59**±2.5	**30.0N**±.13	**132.2E**±.22	**48**		**16**	**1-4**
JMA	II	19 13 16 57.4±.4	30.03N±.02	132.35E±.03	48	3.3	¶97ii2796	
ISC	**II**	**19 19 33 41**±2.8	**30.2N**±.12	**132.2E**±.25	**23**		**12**	**1-3**
JMA	II	19 19 33 38.4±.6	30.08N±.02	132.35E±.05	23	3.0	¶97ii2822	
JMA	**II**	**20 04 24 01.1**±.4	**30.17N**±.02	**132.37E**±.02	**12**	**3.1**	¶97ii2876	
JMA	**II**	**20 05 09 09.3**±.3	**30.00N**±.02	**132.28E**±.02	**60**	**3.1**	¶97ii2881	
ISC	**II**	**20 09 18 59**±1.3	**30.07N**±.096	**132.30E**±.090	**47**		**30**	**1-5**
JMA	II	20 09 18 57.9±.3	30.04N±.02	132.37E±.02	47	3.3	¶97ii2900	
ISC	**II**	**21 23 54 34**±3.1	**31.3N**±.18	**133.5E**±.23	**44**		**17**	**2-3**
JMA	II	21 23 54 34.9±.3	31.42N±.02	133.38E±.03	44	3.0	¶97ii3142	
ISC	**II**	**22 08 55 27**±1.1	**29.96N**±.079	**132.34E**±.087	**64**		**37**	**1-5**
JMA	II	22 08 55 27.1±.2	29.98N±.01	132.32E±.01	64		¶97ii3187	
JMA	**II**	**24 02 33 25.1**±.8	**31.72N**±.03	**132.16E**±.06	**37**	**3.0**	¶97ii3409	
ISC	**II**	**26 12 58 07**±5.5	**30.6N**±.20	**132.1E**±.47	**47**		**8**	**1-2**
JMA	II	26 12 58 05.7±.5	30.60N±.02	132.23E±.04	47	2.9	¶97ii3791	
ISC	**II**	**28 19 10 26**±9.4	**30.8N**±.46	**132.4E**±.74	**64**		**7**	**1-2**
JMA	II	28 19 10 26.3±.3	30.86N±.01	132.36E±.02	64		¶97ii4315	
ISC	**III**	**06 18 16 28**±3.2	**30.3N**±.15	**132.3E**±.31	**75**		**12**	**1-3**
JMA	III	06 18 16 27.7±.3	30.29N±.01	132.26E±.02	75		¶97iii1329	
ISC	**III**	**11 21 13 10**±1.2	**31.8N**±.16	**135.2E**±.41	**33**	**3.7b**	**4**	**5-70**
EIDC	III	11 21 13 07.7	31.9N	135.0E	0	3.7b,3.2L	¶97iii2446	
ISC	Poorly determined							
ISC	**III**	**13 16 29 47.9**±.44	**30.54N**±.040	**132.84E**±.037	**58**		**64**	**2-8**
NEIC	III	13 16 29 46.5	30.50N	132.98E	33		¶97iii2736	
JMA	III	13 16 29 47.3±.1	30.54N±.01	132.88E±.01	58	3.7		
NEIC	Single network solution.							
JMA	**III**	**23 03 00 43.4**±.6	**31.33N**±.02	**132.30E**±.05	**45**	**3.1**	¶97iii4373	
JMA	**III**	**24 21 38 07.5**±.1	**32.79N**±.01	**136.21E**±.01	**20**±1	**2.8**	¶97iii4621	
JMA	**III**	**29 06 09 13.7**±.4	**30.27N**±.03	**132.27E**±.06	**0**	**3.3**	¶97iii5547	
ISC	**IV**	**02 22 41 42**±1.0	**31.85N**±.074	**132.04E**±.087	**34**		**19**	**1-2**
JMA	IV	02 22 41 40.9±.2	31.85N±.01	132.06E±.02	34	3.2	¶97iv0340	
ISC	**IV**	**19 08 56 54**±1.0	**32.87N**±.035	**135.72E**±.026	**24**±9.6	**4.1b**	**134**	**1-88**
JMA	IV	19 08 56 54.5±.2	32.88N±.01	135.78E±.01	47±4	4.1	¶97iv3181	
NEIC	IV	19 08 56 55.3	32.93N	135.66E	33	4.3b		
BJI	IV	19 08 56 56.4	32.92N	135.95E	27	4.2b		
EIDC	IV	19 08 56 57.0	33.0N	135.7E	32	3.8b,3.8L		
ISC	**IV**	**23 10 51 12**±5.2	**30.9N**±.26	**132.3E**±.42	**53**		**9**	**1-2**
JMA	IV	23 10 51 12.4±.4	30.95N±.02	132.26E±.03	53	2.8	¶97iv3939	
ISC	**IV**	**26 00 52 20**±1.5	**30.41N**±.097	**132.5E**±.12	**54**		**27**	**1-4**
JMA	IV	26 00 52 19.7±.3	30.43N±.02	132.46E±.02	54	3.4	¶97iv4441	
JMA	**V**	**05 00 31 02.5**±.2	**30.83N**±.01	**132.24E**±.02	**58**	**2.8**	¶97v0713	
ISC	**V**	**07 03 43 38**±1.2	**31.30N**±.095	**133.52E**±.059	**44**		**42**	**2-5**
JMA	V	07 03 43 37.9±.2	31.39N±.01	133.47E±.01	44	3.6	¶97v1050	
ISC	**V**	**10 08 46 07**±4.2	**30.9N**±.17	**132.1E**±.40	**57**		**10**	**1-2**
JMA	V	10 08 46 06.6±.2	30.88N±.01	132.05E±.02	57±3	3.1	¶97v1559	
ISC	**V**	**10 14 35 02**±5.4	**30.0N**±.30	**132.2E**±.39	**64**		**10**	**1-3**
JMA	V	10 14 34 59.8±.7	29.97N±.05	132.31E±.05	64		¶97v1618	
ISC	**V**	**10 19 01 10**±5.8	**30.1N**±.31	**132.2E**±.44	**63**		**9**	**1-3**
JMA	V	10 19 01 09.3±.3	30.09N±.02	132.22E±.02	63		¶97v1648	
ISC	**V**	**10 19 52 47**±2.0	**31.3N**±.12	**133.6E**±.15	**41**		**28**	**2-4**
JMA	V	10 19 52 47.9±.3	31.40N±.02	133.48E±.02	41	3.3	¶97v1656	
ISC	**V**	**12 19 32 13**±2.0	**31.3N**±.11	**133.6E**±.15	**43**		**30**	**2-4**
JMA	V	12 19 32 14.0±.3	31.39N±.01	133.48E±.02	43	3.3	¶97v2032	
ISC	**V**	**20 10 23 51**±1.0	**31.97N**±.052	**132.16E**±.047	**17**±11		**41**	**1-5**
JMA	V	20 10 23 50.8±.2	31.96N±.01	132.21E±.02	24	3.6	¶97v3389	
ISC	**V**	**20 15 47 35**±1.1	**31.98N**±.069	**132.20E**±.090	**21**		**22**	**1-2**
JMA	V	20 15 47 34.6±.3	31.96N±.01	132.20E±.02	21±5	2.9	¶97v3429	
JMA	**V**	**28 05 38 25.5**±.6	**31.36N**±.02	**132.14E**±.04	**47**	**2.8**	¶97v4667	
ISC	**V**	**30 13 41 54**±3.9	**30.6N**±.26	**134.1E**±.19	**33**		**26**	**3-5**
JMA	V	30 13 41 54.3±.4	30.70N±.03	134.09E±.02	33	3.3	¶97v5044	
ISC	**VI**	**01 20 07 12**±2.7	**30.7N**±.19	**132.3E**±.11	**55**±64		**23**	**1-4**
JMA	VI	01 20 07 11.9±.4	30.74N±.02	132.28E±.02	48	3.2	¶97vi0129	
ISC	**VI**	**06 10 46 56.8**±.85	**30.86N**±.067	**132.16E**±.083	**50**		**26**	**1-4**
JMA	VI	06 10 46 56.6±.2	30.89N±.01	132.15E±.02	50	3.0	¶97vi0927	
ISC	**VI**	**08 06 24 26**±1.3	**31.90N**±.088	**132.16E**±.067	**17**±12		**18**	**1-3**
JMA	VI	08 06 24 26.4±.2	31.92N±.01	132.15E±.02	29	2.9	¶97vi1186	
ISC	**VI**	**17 16 35 54**±1.6	**31.32N**±.030	**132.86E**±.027	**6**±11	**4.4b**,3.8s	**122**	**1-90**
BJI	VI	17 16 35 57.3	31.34N	132.91E	36	4.3b,4.0s	¶97vi2664	
JMA	VI	17 16 35 57.4±.1	31.39N±.01	132.85E±.01	57	4.1		

NEIC	VI	17 16 35 58.2	31.38N	132.80E	33	4.7b		
MOS	VI	17 16 35 58.4	31.3N	132.9E	33	5.0b		
EIDC	VI	17 16 35 58.4	31.4N	132.8E	23	4.2b,4.3L		
ISC	**VI**	**17 16 43 15**±11	**31.3N**±.48	**132.8E**±.83	**62**		**11**	**1-3**
JMA	VI	17 16 43 17.0±.7	31.44N±.03	132.71E±.05	62			¶97vi2665
ISC	**VI**	**17 17 03 21**±2.4	**31.3N**±.15	**132.9E**±.17	**52**		**21**	**1-3**
JMA	VI	17 17 03 21.4±.3	31.39N±.02	132.85E±.02	52	2.9		¶97vi2666
ISC	**VI**	**22 03 49 50**±2.5	**30.8N**±.19	**132.3E**±.14	**60**		**27**	**1-4**
JMA	VI	22 03 49 50.5±.2	30.80N±.02	132.30E±.02	60	3.0		¶97vi3321
ISC	**VI**	**29 09 56 05**±1.2	**31.40N**±.087	**132.87E**±.084	**51**		**32**	**1-4**
JMA	VI	29 09 56 04.8±.1	31.45N±.01	132.85E±.01	51	3.0		¶97vi4606
ISC	**VI**	**30 07 30 46**±4.7	**30.8N**±.20	**132.1E**±.43	**64**±56		**8**	**1-2**
JMA	VI	30 07 30 45.5±.3	30.78N±.01	132.14E±.02	67			¶97vi4725

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JMA	**I**	**01 09 07 55.6**±.4	**28.25N**±.04	**130.31E**±.03	**44**±3	**2.9**		¶97i0048
JMA	**I**	**01 18 49 00.4**±.7	**25.48N**±.04	**128.90E**±.05	**66**			¶97i0101
ISC	**I**	**01 23 19 29**±1.9	**28.2N**±.12	**130.1E**±.20	**27**		**7**	**0-3**
JMA	I	01 23 19 27.4±.8	28.13N±.04	130.22E±.07	27	3.5		¶97i0138
ISC	**I**	**02 13 41 57**±1.2	**28.53N**±.082	**129.6E**±.12	**15**±10		**8**	**0-2**
JMA	I	02 13 41 56.4±.1	28.53N±.01	129.57E±.02	20±2	3.2		¶97i0218
JMA	**I**	**02 16 02 13.9**±.5	**28.27N**±.04	**130.31E**±.04	**40**±4	**3.1**		¶97i0236
ISC	**I**	**02 20 24 06**±3.9	**28.3N**±.29	**130.3E**±.38	**41**		**5**	**0-2**
JMA	I	02 20 24 04.6±.5	28.27N±.03	130.35E±.04	41±3	3.4		¶97i0268
ISC	**I**	**03 08 11 35**±5.7	**28.9N**±.54	**128.4E**±.35	**123**		**6**	**1-3**
JMA	I	03 08 11 36.8±.5	28.71N±.05	128.51E±.04	123			¶97i0343
JMA	**I**	**03 08 35 13.7**±.3	**27.93N**±.02	**130.09E**±.02	**52**	**3.1**		¶97i0346
ISC	**I**	**03 11 06 48**±2.3	**25.3N**±.21	**128.9E**±.10	**44**		**8**	**1-3**
JMA	I	03 11 06 48.5±.4	25.40N±.03	128.87E±.02	44	3.2		¶97i0360
JMA	**I**	**04 09 06 06.4**±.5	**28.33N**±.04	**130.44E**±.04	**29**	**2.9**		¶97i0510
ISC	**I**	**04 22 05 13**±4.1	**28.0N**±.18	**130.1E**±.45	**34**±11	4.3b	**12**	**0-41**
JMA	I	04 22 05 11.6±.4	28.07N±.03	130.08E±.05	57	3.4		¶97i0589
ISC	**I**	**05 03 50 09.7**±.89	**28.93N**±.070	**129.8E**±.24	**21**		**6**	**1-3**
JMA	I	05 03 50 09.5±.1	28.95N±.01	129.76E±.02	21±3	3.7		¶97i0613
JMA	**I**	**05 06 05 28.7**±.0	**28.60N**±.00	**130.19E**±.00	**23**±	**2.9**		¶97i0626
ISC	**I**	**05 15 33 45**±2.5	**26.4N**±.20	**128.0E**±.34	**24**±31		**5**	**0-1**
JMA	I	05 15 33 44.9±.1	26.46N±.01	127.93E±.01	21	2.8		¶97i0686
ISC		Poorly determined						
ISC	**I**	**05 20 31 28.3**±.64	**28.99N**±.057	**130.2E**±.11	**56**±6.5	**3.9b**	**31**	**1-75**
NEIC	I	05 20 31 26.0	28.77N	130.73E	33	3.5b		¶97i0708
EIDC	I	05 20 31 28.2	28.8N	130.7E	34	3.3L,3.3b		
JMA	I	05 20 31 28.6±.2	29.08N±.02	130.00E±.06	54	3.7		
NEIC		Less reliable solution.						
JMA	**I**	**06 00 02 26.7**±.3	**28.07N**±.01	**130.33E**±.02	**43**	**3.4**		¶97i0725
ISC	**I**	**07 02 50 38**±1.5	**28.6N**±.10	**129.6E**±.17	**16**		**4**	**0-1**
JMA	I	07 02 50 38.5±.1	28.60N±.01	129.56E±.01	16±3	3.0		¶97i0873
ISC		Poorly determined						
JMA	**I**	**08 02 33 10.2**±.1	**28.83N**±.02	**128.73E**±.02	**105**±3			¶97i1008
JMA	**I**	**08 04 25 25.2**±.3	**28.40N**±.02	**129.76E**±.01	**48**±2	**2.9**		¶97i1021
JMA	**I**	**08 14 42 46.7**±.3	**27.28N**±.03	**130.14E**±.03	**115**±3			¶97i1077
JMA	**I**	**08 16 44 57.7**±.4	**28.25N**±.02	**130.57E**±.03	**44**±4	**2.9**		¶97i1087
ISC	**I**	**09 00 16 45**±1.4	**28.6N**±.13	**130.1E**±.28	**67**		**6**	**0-3**
JMA	I	09 00 16 45.0±.3	28.63N±.02	130.10E±.03	67±5			¶97i1148
ISC	**I**	**09 07 48 55**±5.5	**28.1N**±.24	**130.3E**±.37	**21**±34		**7**	**0-3**
JMA	I	09 07 48 54.6±.4	28.13N±.02	130.33E±.03	28±3	3.2		¶97i1187
JMA	**I**	**09 09 13 25.1**±.1	**28.15N**±.01	**130.83E**±.01	**73**±2			¶97i1197
ISC	**I**	**09 15 42 56**±2.1	**28.2N**±.13	**129.0E**±.22	**19**		**4**	**0-2**
JMA	I	09 15 42 55.4±.3	28.26N±.02	128.98E±.03	19	3.3		¶97i1240
ISC		Poorly determined						
ISC	**I**	**09 22 46 14.8**±.29	**28.69N**±.034	**128.76E**±.048	**151**±4.4	**3.9b**	**87**	**1-91**
NEIC	I	09 22 46 15.0	28.70N	128.74E	156	4.3b		¶97i1283
JMA	I	09 22 46 15.4±.1	28.73N±.01	128.68E±.03	142			
EIDC	I	09 22 46 16.6	28.9N	129.0E	159	3.5b		
BJI	I	09 22 46 18.9	28.49N	128.32E	178	4.7b		
JMA	**I**	**10 02 43 16.3**±.3	**28.19N**±.03	**129.06E**±.05	**33**	**3.2**		¶97i1300
ISC	**I**	**10 04 19 01**±2.1	**28.2N**±.21	**129.0E**±.31	**25**±28		**7**	**0-4**
JMA	I	10 04 18 59.7±.2	28.24N±.02	128.95E±.03	30	3.7		¶97i1309
JMA	**I**	**10 18 37 14.0**±.6	**28.20N**±.04	**129.05E**±.05	**11**	**2.9**		¶97i1407
ISC	**I**	**10 19 21 59.1**±.47	**29.13N**±.040	**130.71E**±.057	**45**±5.5	**4.4b**,4.3s	**71**	**1-90**
EIDC	I	10 19 21 57.7	29.7N	130.4E	0	4.3b,3.6L		¶97i1411
NEIC	I	10 19 21 59.5	29.14N	130.65E	53			
JMA	I	10 19 22 00.3±.1	29.21N±.01	130.50E±.03	69±4	4.4		
NEIC		Less reliable solution.						
ISC	**I**	**11 04 09 29.6**±.43	**29.17N**±.034	**130.59E**±.035	**45**±4.3	**4.3b,4.5s**	**132**	**1-91**
BJI	I	11 04 09 29.6	29.13N	130.59E	50	4.6b,4.4s		¶97i1461
JMA	I	11 04 09 29.9±.1	29.18N±.01	130.52E±.03	72±5	4.6		
NEIC	I	11 04 09 30.0	29.21N	130.53E	45	4.3b		
MOS	I	11 04 09 30.3	29.4N	130.4E	41	4.7b		
EIDC	I	11 04 09 37.0	29.3N	130.3E	86	3.8b		
JMA	**I**	**11 06 07 25.1**±.1	**28.52N**±.01	**129.38E**±.01	**28**±2	**2.9**		¶97i1475
ISC	**I**	**12 03 53 46.0**±.71	**29.13N**±.072	**130.0E**±.17	**46**±43		**18**	**1-4**
JMA	I	12 03 53 45.6±.1	29.14N±.01	129.99E±.03	53±4	3.3		¶97i1621
ISC	**I**	**12 05 04 53**±2.7	**29.8N**±.16	**129.9E**±.40	**112**±32		**7**	**0-2**
JMA	I	12 05 04 52.6±.2	29.77N±.03	129.87E±.07	114			¶97i1625
ISC	**I**	**12 08 41 04**±2.8	**27.8N**±.23	**130.0E**±.33	**55**±40		**8**	**1-3**
JMA	I	12 08 41 04.1±.3	27.83N±.02	129.99E±.03	61			¶97i1652
ISC	**I**	**12 17 57 38**±3.0	**27.9N**±.33	**128.0E**±.38	**85**±57		**6**	**1-2**
JMA	I	12 17 57 37.2±.2	27.85N±.02	128.01E±.03	96			¶97i1722
ISC	**I**	**12 22 05 11**±1.7	**26.2N**±.26	**127.3E**±.12	**30**±17		**6**	**0-4**
JMA	I	12 22 05 09.9±.3	26.15N±.02	127.27E±.01	44±3	3.3		¶97i1748
ISC	**I**	**13 13 21 54**±1.3	**27.5N**±.28	**128.6E**±.42	**48**		**5**	**0-3**
JMA	I	13 13 21 54.2±.2	27.46N±.03	128.63E±.03	48±3	2.8		¶97i1845
ISC		Poorly determined						
ISC	**I**	**13 17 25 24**±1.1	**29.24N**±.080	**130.6E**±.17	**49**±8.1		**27**	**1-43**
JMA	I	13 17 25 23.3±.2	29.23N±.01	130.61E±.03	63			¶97i1876
ISC	**I**	**13 20 34 42**±11	**25.5N**±.95	**127.6E**±.24	**52**±41		**9**	**1-5**
JMA	I	13 20 34 41.7±.4	25.52N±.04	127.64E±.02	51±3	3.1		¶97i1894
ISC	**I**	**14 02 30 53**±4.2	**28.2N**±.34	**130.2E**±.28	**36**±62		**5**	**0-2**
JMA	I	14 02 30 52.9±.4	28.14N±.03	130.23E±.03	41±4	2.9		¶97i1944
ISC		Poorly determined						
ISC	**I**	**14 05 30 50.5**±.41	**26.63N**±.064	**126.35E**±.073	**134**±5.8	**3.7b**	**32**	**0-94**
JMA	I	14 05 30 50.8±.2	26.66N±.04	126.32E±.03	125			¶97i1958
NEIC	I	14 05 30 52.3	26.66N	126.24E	150			
EIDC	I	14 05 30 54.6	26.7N	126.0E	158	3.7b		
NEIC		Single network solution.						
ISC	**I**	**14 21 15 47**±1.6	**29.25N**±.088	**130.4E**±.27	**69**±41		**9**	**1-2**
JMA	I	14 21 15 46.6±.2	29.24N±.02	130.38E±.04	77			¶97i2059
JMA	**I**	**14 22 04 49.2**±.1	**29.28N**±.01	**130.04E**±.03	**49**	**2.9**		¶97i2067
ISC	**I**	**15 03 00 01**±1.5	**28.1N**±.10	**130.1E**±.15	**37**		**8**	**0-3**
JMA	I	15 02 59 59.1±.6	28.05N±.02	130.34E±.05	37	3.1		¶97i2090
ISC	**I**	**15 05 03 19**±5.9	**27.9N**±.25	**130.2E**±.63	**64**		**6**	**0-3**
JMA	I	15 05 03 19.8±.4	27.95N±.02	130.11E±.04	64			¶97i2098
ISC	**I**	**15 10 10 32.2**±.72	**29.38N**±.048	**130.8E**±.12	**51**±9.0	5.0b	**30**	**1-44**
JMA	I	15 10 10 32.6±.2	29.45N±.01	130.72E±.03	63			¶97i2134
ISC	**I**	**15 16 49 50**±1.6	**28.36N**±.067	**128.8E**±.17	**9**		**9**	**1-4**
JMA	I	15 16 49 48.9±.4	28.42N±.01	128.70E±.03	9	3.1		¶97i2180
ISC	**I**	**15 17 08 57**±1.2	**26.7N**±.11	**129.6E**±.11	**23**		**6**	**1-2**
JMA	I	15 17 08 57.0±.4	26.71N±.03	129.61E±.02	23	2.8		¶97i2182
ISC	**I**	**15 17 45 59.7**±.95	**26.67N**±.086	**129.60E**±.085	**52**		**9**	**1-3**
JMA	I	15 17 45 59.1±.1	26.64N±.01	129.60E±.01	52	2.9		¶97i2185
ISC	**I**	**15 18 00 45.4**±.84	**29.08N**±.079	**130.1E**±.22	**52**		**10**	**1-3**
JMA	I	15 18 00 45.0±.1	29.07N±.01	130.13E±.04	52	2.8		¶97i2186
ISC	**I**	**16 00 10 55**±4.2	**28.0N**±.34	**130.1E**±.36	**40**±45		**6**	**0-4**
JMA	I	16 00 10 54.3±.2	27.95N±.02	130.11E±.02	49±2	2.8		¶97i2226
ISC	**I**	**16 01 22 48**±2.6	**28.0N**±.32	**128.3E**±.31	**99**		**5**	**1-2**
JMA	I	16 01 22 48.2±.2	27.97N±.03	128.34E±.04	99±5			¶97i2234
JMA	**I**	**16 14 56 56.5**±.3	**28.22N**±.03	**130.27E**±.03	**43**±3	**2.8**		¶97i2325
JMA	**I**	**16 15 49 57.8**±.2	**27.91N**±.02	**130.12E**±.02	**59**	**2.9**		¶97i2333
ISC	**I**	**17 09 08 07**±1.5	**28.94N**±.091	**129.6E**±.26	**17**		**4**	**1-1**
JMA	I	17 09 08 06.6±.1	28.94N±.00	129.56E±.01	17±3	2.9		¶97i2422
ISC		Poorly determined						
ISC	**I**	**17 12 28 42**±2.6	**28.3N**±.17	**130.4E**±.30	**46**		**7**	**0-3**
JMA	I	17 12 28 41.5±.5	28.33N±.03	130.46E±.04	46	3.1		¶97i2451
ISC	**I**	**17 12 35 08**±4.4	**28.4N**±.27	**130.4E**±.42	**30**±21		**5**	**0-2**
JMA	I	17 12 35 06.6±.5	28.37N±.03	130.46E±.05	41±4	2.9		¶97i2452
ISC		Poorly determined						
ISC	**I**	**17 13 13 47**±3.2	**26.4N**±.35	**126.1E**±.45	**108**±25	2.9b	**9**	**1-79**
JMA	I	17 13 13 46.9±.4	26.27N±.04	126.19E±.05	104			¶97i2456
ISC	**I**	**17 13 37 51**±7.5	**28.4N**±.35	**130.4E**±.77	**39**		**4**	**0-1**
JMA	I	17 13 37 49.2±.5	28.36N±.02	130.48E±.04	39±4	3.0		¶97i2461
ISC		Poorly determined						
ISC	**I**	**17 14 36 28**±1.3	**27.6N**±.42	**128.9E**±.56	**36**		**4**	**0-1**
JMA	I	17 14 36 27.5±.0	27.61N±.02	128.87E±.02	36±1	2.8		¶97i2469
ISC		Poorly determined						
ISC	**I**	**17 15 37 06.8**±.32	**28.73N**±.023	**130.05E**±.025	**35**±3.1	**5.0b,4.9s**	**341**	**0-167**
EIDC	I	17 15 37 03.0	28.8N	129.9E	0	4.7b,4.6L		¶97i2477
BJI	I	17 15 37 06.3	28.70N	130.02E	33	4.5L,5.3b		
MOS	I	17 15 37 06.6	28.8N	130.0E	33	5.5b		
NEIC	I	17 15 37 06.6	28.75N	130.02E	33	5.2b		
JMA	I	17 15 37 07.3±.1	28.77N±.02	129.94E±.04	39±4	4.9		
BJI		Ms5.1						
ISC	**I**	**17 15 53 12.6**±.57	**28.80N**±.018	**129.97E**±.021	**27**±4.2	**5.8b,6.3s**	**711**	**0-171**
EIDC	I	17 15 53 09.7	28.8N	129.8E	0	5.3b,6.1s		¶97i2479
BJI	I	17 15 53 12.7	28.71N	130.04E	34	6.0b,6.4s		
MOS	I	17 15 53 13.3	28.8N	130.0E	33	6.3b,6.6s		
JMA	I	17 15 53 13.4±.1	28.75N±.01	130.06E±.03	43±4	5.8		
NEIC	I	17 15 53 13.4	28.81N	129.95E	33	5.9b,6.3s		
HRVD	I	17 15 53 17.1±.1	28.76N±.01	129.83E±.02	15			
JMA		Felt I=IV J1						
NEIC		Mw6.3(HRV), Me5.8(GS).						
NEIC		Mw 6.2 (GS).						
NEIC		Radiated energy from the P−wave first−motion solution: 1.3±0.4×10^{13}Nm/10						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_S30°,δ88°,λ70°. NP2:ϕ_S295°,δ20°,λ174°. Principal axes: T Plg44°,Azm281°; P Plg40°,Azm138°. Depth from synthetics of broadband displacement seismograms.						
NEIC		Moment tensor solution: s25, scale 10^{18}Nm; M_{rr}0.61; $M_{\theta\theta}$−0.83; $M_{\phi\phi}$0.22; $M_{r\theta}$0.59; $M_{r\phi}$2.34; $M_{\theta\phi}$0.00. Depth 6km; Principal axes: T 2.82,Plg48°,Azm280°; N −0.75,Plg7°,Azm18°; P −2.07,Plg42°,Azm115°. Best double couple: $M_0$2.4×10^{18}Nm; NP1:ϕ_S266°,δ8°,λ157°. NP2: ϕ_S18°,δ87°,λ83°.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c95; Mantle waves: s18,c22; Half duration: 3s1. Moment tensor: Scale 10^{18}Nm; M_{rr}0.23±.01; $M_{\theta\theta}$−0.21±.01; $M_{\phi\phi}$−0.02±.01; $M_{r\theta}$1.27±.04; $M_{r\phi}$2.37±.04; $M_{\theta\phi}$−0.47±.01. Principal Axes: T 2.62,Plg48°,Azm290°; N 0.23,Plg7°,Azm28°; P −2.84,Plg41°,Azm124°. Best double couple: $M_0$2.7×10^{18}Nm, NP1:ϕ_S272°,δ8°,λ154°. NP2:ϕ_S28°,δ86°,λ83°.						
ISC	**I**	**17 16 04 12**±1.2	**28.86N**±.064	**129.9E**±.15	**15**±16		**22**	**1-4**
JMA	I	17 16 04 12.2±.1	28.89N±.01	129.88E±.04	29	3.7		¶97i2480
ISC	**I**	**17 16 09 48**±1.5	**28.84N**±.092	**129.8E**±.28	**22**		**4**	**0-1**
JMA	I	17 16 09 47.9±.1	28.84N±.01	129.81E±.02	22±4	3.1		¶97i2481
ISC		Poorly determined						
JMA	**I**	**17 16 11 24.8**±.4	**28.91N**±.02	**129.84E**±.02	**17**	**2.9**		¶97i2482
ISC	**I**	**17 16 11 46.9**±.68	**28.73N**±.074	**130.0E**±.14	**47**±6.9	**3.9b**	**33**	**0-76**
NEIC	I	17 16 11 43.1	28.37N	130.27E	33	3.3b		¶97i2483
JMA	I	17 16 11 46.4±.1	28.84N±.02	129.83E±.04	28±4	3.4		
EIDC	I	17 16 11 47.4	28.4N	130.2E	57	3.6b,2.9L		
NEIC		Less reliable solution.						
ISC	**I**	**17 16 13 27**±1.5	**28.85N**±.084	**129.8E**±.24	**7**		**4**	**0-1**
JMA	I	17 16 13 27.6±.1	28.85N±.01	129.81E±.02	7	2.9		¶97i2484
ISC		Poorly determined						
ISC	**I**	**17 16 14 15**±1.5	**28.9N**±.10	**129.9E**±.30	**26**		**4**	**1-1**
JMA	I	17 16 14 15.3±.1	28.86N±.01	129.83E±.02	26±4	3.7		¶97i2485
ISC		Poorly determined						
ISC	**I**	**17 16 15 42**±1.6	**28.8N**±.10	**129.9E**±.29	**26**		**4**	**0-1**
JMA	I	17 16 15 42.0±.2	28.84N±.01	129.83E±.04	26	3.0		¶97i2486
ISC		Poorly determined						
JMA	**I**	**17 16 16 53.8**±.2	**28.88N**±.01	**129.85E**±.01	**22**±2	**3.2**		¶97i2487
ISC	**I**	**17 16 18 28**±1.5	**28.84N**±.091	**129.9E**±.28	**16**		**5**	**0-2**
JMA	I	17 16 18 28.2±.1	28.85N±.01	129.82E±.02	16	3.4		¶97i2488
ISC		Poorly determined						
ISC	**I**	**17 16 38 18**±1.2	**28.89N**±.078	**129.9E**±.24	**17**±20		**8**	**1-3**
JMA	I	17 16 38 18.6±.2	28.88N±.01	129.86E±.04	31	3.1		¶97i2491
ISC	**I**	**17 16 41 56**±1.5	**28.85N**±.092	**129.9E**±.29	**17**		**4**	**0-1**
JMA	I	17 16 41 56.4±.1	28.86N±.01	129.83E±.03	17±5	2.9		¶97i2492
ISC		Poorly determined						
ISC	**I**	**17 16 43 40**±1.6	**28.9N**±.10	**129.9E**±.30	**25**		**5**	**1-2**
JMA	I	17 16 43 39.8±.2	28.86N±.01	129.86E±.04	25	3.0		¶97i2493
ISC		Poorly determined						
ISC	**I**	**17 16 44 42**±1.5	**28.90N**±.092	**129.9E**±.21	**8**±16		**9**	**1-3**
JMA	I	17 16 44 42.9±.1	28.88N±.01	129.93E±.04	27	2.9		¶97i2494
ISC	**I**	**17 16 47 25**±1.4	**28.87N**±.083	**129.9E**±.25	**15**±21		**7**	**1-3**
JMA	I	17 16 47 25.3±.2	28.88N±.01	129.90E±.04	24	3.4		¶97i2495
ISC	**I**	**17 16 48 31**±1.2	**28.83N**±.079	**129.9E**±.26	**21**		**5**	**0-2**
JMA	I	17 16 48 30.9±.3	28.84N±.02	129.87E±.06	21	3.2		¶97i2496
ISC	**I**	**17 17 03 50**±1.1	**28.82N**±.089	**129.9E**±.24	**22**±19		**6**	**0-3**
JMA	I	17 17 03 49.9±.2	28.80N±.01	129.94E±.04	30	2.8		¶97i2498
ISC	**I**	**17 17 06 09**±1.7	**28.91N**±.095	**129.9E**±.20	**6**±18		**9**	**1-3**
JMA	I	17 17 06 09.7±.1	28.89N±.01	129.89E±.04	25	3.0		¶97i2499
ISC	**I**	**17 17 17 34**±1.1	**28.85N**±.078	**129.8E**±.21	**18**±19		**8**	**0-3**
JMA	I	17 17 17 33.6±.2	28.86N±.01	129.88E±.04	22	3.0		¶97i2500
ISC	**I**	**17 17 25 24.5**±.64	**28.86N**±.062	**129.9E**±.16	**22**		**12**	**1-3**
JMA	I	17 17 25 24.0±.1	28.90N±.01	129.85E±.03	22	3.2		¶97i2501

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**17 17 26 54**±1.5	**28.89N**±.084	**129.9E**±.27	**7**		**4**	**1-1**
JMA	I	17 17 26 54.1±.1	28.90N±.01	129.81E±.02	7	2.8		¶97i2502
ISC	Poorly determined							
ISC	**I**	**17 17 45 59**±1.4	**28.86N**±.094	**129.9E**±.31	**20**±24		**5**	**1-2**
JMA	I	17 17 45 58.8±.2	28.86N±.01	129.88E±.04	25	2.8		¶97i2504
ISC	Poorly determined							
ISC	**I**	**17 18 05 39**±9.2	**27.9N**±.56	**130.1E**±.76	**51**		**4**	**0-2**
JMA	I	17 18 05 39.0±.4	27.91N±.02	130.12E±.03	51±3	2.8		¶97i2509
ISC	Poorly determined							
ISC	**I**	**17 18 08 58**±1.7	**28.88N**±.067	**129.8E**±.17	**12**±15		**13**	**1-4**
JMA	I	17 18 08 58.1±.1	28.87N±.01	129.84E±.04	27±4	3.3		¶97i2510
ISC	**I**	**17 18 16 29**±1.2	**28.88N**±.086	**129.9E**±.24	**19**±21		**6**	**1-2**
JMA	I	17 18 16 29.2±.2	28.88N±.02	129.92E±.05	25	3.0		¶97i2512
ISC	**I**	**17 18 27 53**±5.5	**28.88N**±.074	**129.9E**±.19	**14**±48		**10**	**1-3**
JMA	I	17 18 27 53.5±.1	28.89N±.01	129.86E±.04	27±5	3.1		¶97i2515
JMA	**I**	**17 18 43 11.8**±.3	**28.89N**±.02	**129.87E**±.04	**22**	**2.8**		¶97i2517
ISC	**I**	**17 18 52 04**±1.6	**28.8N**±.10	**129.9E**±.28	**28**		**5**	**0-2**
JMA	I	17 18 52 03.9±.1	28.82N±.01	129.85E±.03	28	3.1		¶97i2518
ISC	Poorly determined							
ISC	**I**	**17 19 03 35**±1.6	**28.9N**±.10	**129.9E**±.21	**11**±19		**8**	**1-3**
JMA	I	17 19 03 35.1±.1	28.85N±.01	129.93E±.04	24	3.3		¶97i2519
ISC	**I**	**17 19 08 35**±1.2	**28.85N**±.084	**129.8E**±.23	**17**±22		**6**	**0-2**
JMA	I	17 19 08 35.5±.2	28.86N±.02	129.84E±.06	23	3.3		¶97i2520
ISC	**I**	**17 19 30 00**±1.1	**28.86N**±.088	**129.9E**±.25	**21**±19		**6**	**1-2**
JMA	I	17 19 30 00.0±.2	28.86N±.01	129.89E±.04	29	3.3		¶97i2522
ISC	**I**	**17 20 02 52**±1.6	**28.87N**±.093	**129.9E**±.31	**20**		**4**	**1-1**
JMA	I	17 20 02 51.8±.1	28.88N±.01	129.86E±.02	20±3	3.0		¶97i2523
ISC	Poorly determined							
ISC	**I**	**17 20 12 11.1**±.81	**28.86N**±.047	**129.90E**±.092	**27**±9.2	**3.9b**	**48**	**1-90**
JMA	I	17 20 12 10.7±.1	28.88N±.01	129.89E±.04	36±5	3.6		¶97i2524
EIDC	I	17 20 12 17.7	29.4N	129.5E	49	3.7b,3.1L		
ISC	**I**	**17 20 17 15**±1.5	**28.91N**±.084	**129.9E**±.28	**4**		**4**	**1-1**
JMA	I	17 20 17 15.3±.1	28.91N±.00	129.84E±.02	4±3	2.8		¶97i2526
ISC	Poorly determined							
ISC	**I**	**17 20 39 37**±1.0	**28.88N**±.081	**129.8E**±.23	**19**		**6**	**1-2**
JMA	I	17 20 39 37.0±.1	28.89N±.01	129.83E±.02	19±4	2.9		¶97i2528
ISC	**I**	**17 20 44 23**±1.1	**28.85N**±.084	**129.9E**±.27	**25**		**5**	**1-2**
JMA	I	17 20 44 22.6±.2	28.87N±.01	129.86E±.05	25	3.1		¶97i2529
ISC	**I**	**17 20 54 05.8**±.66	**28.85N**±.063	**129.9E**±.16	**16**		**12**	**1-3**
JMA	I	17 20 54 05.2±.2	28.87N±.01	129.88E±.04	16	3.2		¶97i2530
ISC	**I**	**17 21 13 50**±1.6	**28.8N**±.10	**129.9E**±.29	**25**		**4**	**0-1**
JMA	I	17 21 13 50.7±.2	28.82N±.01	129.83E±.04	25	3.1		¶97i2534
ISC	Poorly determined							
ISC	**I**	**17 21 27 33**±5.0	**26.2N**±.36	**129.0E**±.28	**47**		**5**	**1-2**
JMA	I	17 21 27 31.8±.6	26.23N±.04	129.05E±.03	47	2.8		¶97i2536
ISC	**I**	**17 21 33 14**±3.1	**27.3N**±.28	**129.1E**±.40	**40**		**4**	**0-1**
JMA	I	17 21 33 13.2±.2	27.32N±.02	129.09E±.03	40±4	2.9		¶97i2537
ISC	Poorly determined							
ISC	**I**	**17 22 09 44**±1.6	**28.87N**±.094	**129.9E**±.31	**24**		**5**	**1-2**
JMA	I	17 22 09 44.0±.2	28.88N±.01	129.88E±.03	24	3.0		¶97i2542
ISC	Poorly determined							
ISC	**I**	**17 22 13 28**±1.4	**28.88N**±.083	**129.8E**±.23	**3**		**4**	**0-1**
JMA	I	17 22 13 28.4±.3	28.87N±.01	129.74E±.04	3±5	2.8		¶97i2543
ISC	Poorly determined							
JMA	**I**	**17 22 54 11.7**±.1	**29.03N**±.01	**129.83E**±.02	**0**	**2.8**		¶97i2552
ISC	**I**	**17 23 19 06**±1.6	**28.93N**±.092	**129.9E**±.32	**16**		**4**	**1-1**
JMA	I	17 23 19 06.1±.0	28.93N±.00	129.87E±.01	16±2	2.9		¶97i2557
ISC	Poorly determined							
ISC	**I**	**18 00 02 33**±1.5	**28.83N**±.086	**129.9E**±.26	**15**		**5**	**0-2**
JMA	I	18 00 02 32.9±.1	28.84N±.01	129.85E±.02	15	3.1		¶97i2566
ISC	**I**	**18 01 43 00**±2.3	**28.89N**±.096	**129.8E**±.27	**11**±20		**5**	**1-2**
JMA	I	18 01 43 00.3±.1	28.89N±.01	129.81E±.03	20	3.1		¶97i2576
ISC	Poorly determined							
ISC	**I**	**18 01 50 50**±1.4	**28.87N**±.091	**129.8E**±.29	**17**		**4**	**1-1**
JMA	I	18 01 50 50.1±.2	28.89N±.01	129.80E±.03	17	3.4		¶97i2577
ISC	Poorly determined							
ISC	**I**	**18 02 25 02**±1.4	**28.90N**±.091	**129.8E**±.30	**15**		**4**	**1-1**
JMA	I	18 02 25 02.0±.1	28.91N±.01	129.81E±.02	15	3.2		¶97i2582
ISC	Poorly determined							
ISC	**I**	**18 03 01 59**±1.6	**28.81N**±.098	**129.9E**±.27	**25**		**5**	**0-2**
JMA	I	18 03 01 58.6±.1	28.81N±.01	129.84E±.03	25	3.2		¶97i2589
ISC	**I**	**18 03 22 12**±1.6	**28.86N**±.095	**129.9E**±.37	**15**±36		**5**	**1-2**
JMA	I	18 03 22 12.7±.1	28.86N±.01	129.86E±.02	23±4	3.4		¶97i2594
ISC	Poorly determined							
ISC	**I**	**18 04 35 21**±1.5	**28.83N**±.091	**129.9E**±.28	**15**		**4**	**0-1**
JMA	I	18 04 35 20.7±.1	28.84N±.01	129.83E±.02	15	3.2		¶97i2599
ISC	Poorly determined							
ISC	**I**	**18 04 40 11**±1.5	**28.85N**±.092	**129.9E**±.29	**17**		**4**	**0-1**
JMA	I	18 04 40 11.6±.2	28.86N±.01	129.86E±.03	17	2.9		¶97i2600
ISC	Poorly determined							
ISC	**I**	**18 05 48 56**±1.5	**28.85N**±.092	**129.9E**±.29	**22**		**4**	**0-1**
JMA	I	18 05 48 56.1±.1	28.86N±.01	129.82E±.02	22	3.6		¶97i2607
ISC	Poorly determined							
ISC	**I**	**18 06 23 58**±1.5	**28.85N**±.091	**129.9E**±.28	**16**		**4**	**0-1**
JMA	I	18 06 23 57.7±.1	28.86N±.00	129.84E±.02	16±3	3.1		¶97i2612
ISC	Poorly determined							
ISC	**I**	**18 06 53 00**±1.4	**28.87N**±.091	**129.8E**±.29	**15**		**4**	**1-1**
JMA	I	18 06 53 00.6±.2	28.89N±.01	129.82E±.03	15	2.8		¶97i2620
ISC	Poorly determined							
ISC	**I**	**18 07 03 57**±2.6	**28.9N**±.14	**129.9E**±.23	**3**±33		**5**	**1-2**
JMA	I	18 07 03 57.6±.2	28.86N±.01	129.87E±.02	7±4	3.0		¶97i2621
ISC	Poorly determined							
ISC	**I**	**18 07 21 06**±1.6	**28.92N**±.092	**129.9E**±.32	**14**		**4**	**1-1**
JMA	I	18 07 21 06.1±.1	28.92N±.00	129.86E±.01	14±3	2.8		¶97i2625
ISC	Poorly determined							
ISC	**I**	**18 07 25 48**±2.3	**28.83N**±.096	**129.8E**±.26	**12**±19		**5**	**0-2**
JMA	I	18 07 25 48.7±.2	28.84N±.01	129.83E±.03	19	3.3		¶97i2626
ISC	Poorly determined							
JMA	**I**	**18 07 44 38.2**±.2	**28.90N**±.01	**129.86E**±.01	**12**±2	**2.8**		¶97i2628
ISC	**I**	**18 08 26 44**±1.0	**28.80N**±.096	**129.9E**±.22	**33**		**6**	**0-2**
JMA	I	18 08 26 43.3±.1	28.83N±.01	129.86E±.03	33±4	3.4		¶97i2635
ISC	**I**	**18 09 23 03**±1.4	**28.85N**±.093	**129.9E**±.30	**18**±25		**5**	**0-2**
JMA	I	18 09 23 03.4±.1	28.86N±.01	129.89E±.03	23	2.8		¶97i2637
ISC	Poorly determined							
ISC	**I**	**18 09 25 43**±1.5	**28.90N**±.091	**129.9E**±.31	**14**		**4**	**1-1**
JMA	I	18 09 25 43.3±.1	28.91N±.01	129.84E±.03	14±5	3.1		¶97i2639
ISC	Poorly determined							
ISC	**I**	**18 12 33 46.4**±.76	**28.82N**±.074	**129.9E**±.20	**33**		**11**	**1-3**
JMA	I	18 12 33 45.9±.1	28.87N±.01	129.91E±.04	33	3.2		¶97i2655
ISC	**I**	**18 12 50 37**±1.3	**26.8N**±.15	**128.4E**±.17	**30**±11		**7**	**0-2**
JMA	I	18 12 50 36.2±.3	26.82N±.03	128.41E±.04	35±4	3.2		¶97i2659
ISC	**I**	**18 13 28 56**±1.4	**28.81N**±.091	**129.8E**±.27	**17**		**4**	**0-1**
JMA	I	18 13 28 56.2±.2	28.83N±.01	129.83E±.04	17	3.0		¶97i2670
ISC	Poorly determined							
ISC	**I**	**18 14 48 12.3**±.81	**27.37N**±.067	**129.78E**±.087	**37**±9.1		**22**	**1-41**
JMA	I	18 14 48 12.1±.2	27.38N±.02	129.73E±.02	67±4			¶97i2677
ISC	**I**	**18 15 00 33.1**±.81	**26.1N**±.14	**126.9E**±.11	**48**±24		**11**	**0-4**
JMA	I	18 15 00 33.3±.2	26.12N±.03	126.91E±.02	50±3	3.5		¶97i2679
ISC	**I**	**18 15 39 45**±1.5	**28.95N**±.091	**129.9E**±.32	**15**		**4**	**1-1**
JMA	I	18 15 39 44.8±.1	28.95N±.01	129.83E±.02	15±4	2.9		¶97i2681
ISC	Poorly determined							
ISC	**I**	**18 17 08 03**±1.5	**28.87N**±.084	**129.8E**±.26	**6**		**4**	**1-1**
JMA	I	18 17 08 03.5±.1	28.87N±.00	129.83E±.01	6±3	2.9		¶97i2692
ISC	Poorly determined							
JMA	**I**	**18 18 48 25.7**±.1	**28.99N**±.01	**129.85E**±.01	**18**±1	**2.8**		¶97i2704
ISC	**I**	**18 19 40 39.3**±.97	**28.89N**±.098	**129.9E**±.23	**11**		**6**	**1-3**
JMA	I	18 19 40 39.0±.1	28.93N±.01	129.86E±.04	11	3.0		¶97i2709
JMA	**I**	**18 22 11 27.1**±.3	**27.30N**±.03	**127.45E**±.02	**103**			¶97i2722
JMA	**I**	**18 22 50 34.5**±.1	**28.97N**±.01	**129.89E**±.01	**20**±1	**2.8**		¶97i2730
ISC	**I**	**19 00 15 51**±3.1	**28.4N**±.25	**130.3E**±.21	**55**		**7**	**0-4**
JMA	I	19 00 15 50.0±.8	28.47N±.06	130.41E±.05	55	3.1		¶97i2745
JMA	**I**	**19 00 17 18.0**±.4	**28.45N**±.04	**130.51E**±.03	**41**	**3.1**		¶97i2746
ISC	**I**	**19 04 55 22.2**±.49	**28.80N**±.048	**130.01E**±.090	**45**±7.1	**3.9b**	**45**	**0-76**
JMA	I	19 04 55 21.5±.1	28.84N±.01	129.90E±.03	34±3	3.7		¶97i2782
NEIC	I	19 04 55 22.3	28.80N	130.05E	33	3.8b		
EIDC	I	19 04 55 36.6	29.7N	130.4E	116	3.4b		
NEIC	Less reliable solution.							
ISC	**I**	**19 04 57 40**±1.3	**28.84N**±.093	**129.8E**±.30	**21**±24		**5**	**0-2**
JMA	I	19 04 57 40.5±.1	28.83N±.01	129.85E±.02	29±3	3.3		¶97i2783
ISC	Poorly determined							
ISC	**I**	**19 05 07 18**±1.5	**28.84N**±.092	**129.9E**±.29	**21**		**4**	**0-1**
JMA	I	19 05 07 17.8±.1	28.85N±.01	129.84E±.03	21±4	2.9		¶97i2786
ISC	Poorly determined							
ISC	**I**	**19 05 18 46**±1.4	**28.88N**±.091	**129.8E**±.29	**20**		**4**	**1-1**
JMA	I	19 05 18 46.6±.1	28.88N±.01	129.83E±.03	20	2.9		¶97i2787
ISC	Poorly determined							
ISC	**I**	**19 05 28 34.4**±.70	**28.80N**±.081	**130.0E**±.19	**34**		**15**	**0-4**
JMA	I	19 05 28 33.7±.1	28.83N±.01	129.92E±.03	34±4	3.4		¶97i2788
ISC	**I**	**19 05 56 56**±1.5	**28.85N**±.093	**129.9E**±.30	**22**		**4**	**1-1**
JMA	I	19 05 56 55.8±.1	28.86N±.01	129.84E±.02	22±4	3.0		¶97i2796
ISC	Poorly determined							
ISC	**I**	**19 06 05 01**±1.0	**27.1N**±.10	**129.2E**±.10	**43**		**6**	**1-2**
JMA	I	19 06 05 00.3±.2	27.12N±.01	129.25E±.02	43	3.1		¶97i2798
ISC	**I**	**19 10 50 44**±1.1	**26.4N**±.13	**128.95E**±.098	**41**		**6**	**1-2**
JMA	I	19 10 50 42.6±.2	26.33N±.03	128.95E±.02	41	3.1		¶97i2824
ISC	**I**	**19 10 57 57**±1.3	**29.23N**±.098	**130.4E**±.26	**65**		**7**	**1-2**
JMA	I	19 10 57 56.4±.2	29.22N±.01	130.45E±.04	65			¶97i2826
JMA	**I**	**19 14 36 07.2**±.4	**28.20N**±.03	**130.21E**±.03	**28**±3	**2.9**		¶97i2852
ISC	**I**	**19 14 41 29**±5.5	**28.91N**±.070	**129.9E**±.19	**10**±48		**11**	**1-3**
JMA	I	19 14 41 29.2±.1	28.89N±.01	129.88E±.04	32±5	2.9		¶97i2855
ISC	**I**	**19 21 02 14**±2.0	**28.9N**±.12	**129.8E**±.33	**10**±23		**5**	**1-2**
JMA	I	19 21 02 15.0±.1	28.88N±.01	129.81E±.03	17	2.9		¶97i2887
ISC	Poorly determined							
JMA	**I**	**20 01 40 11.2**±.4	**28.87N**±.02	**130.07E**±.02	**21**±3	**2.8**		¶97i2921
ISC	**I**	**20 01 50 05**±10	**28.7N**±.62	**129.8E**±.23	**0**		**4**	**0-2**
JMA	I	20 01 50 02.4±.6	28.82N±.04	129.83E±.03	0±4	2.9		¶97i2923
ISC	Poorly determined							
ISC	**I**	**20 03 24 55**±1.0	**28.39N**±.080	**128.6E**±.14	**129**±22		**17**	**1-5**
JMA	I	20 03 24 55.5±.2	28.42N±.02	128.54E±.03	122±4			¶97i2932
ISC	**I**	**20 08 18 12**±2.3	**28.8N**±.12	**130.1E**±.35	**25**		**4**	**0-1**
JMA	I	20 08 18 12.0±.2	28.77N±.01	130.06E±.03	25±4	2.8		¶97i2962
ISC	Poorly determined							
ISC	**I**	**20 10 34 00**±1.2	**28.71N**±.099	**130.1E**±.23	**35**		**8**	**0-3**
JMA	I	20 10 34 00.3±.2	28.75N±.02	130.04E±.05	35	3.1		¶97i2986
ISC	**I**	**20 13 27 30**±1.4	**28.7N**±.12	**130.1E**±.27	**33**		**5**	**0-3**
JMA	I	20 13 27 29.6±.2	28.76N±.02	130.09E±.04	33±5	2.8		¶97i3005
ISC	**I**	**20 14 41 52.5**±.84	**28.23N**±.074	**128.8E**±.13	**105**±20		**19**	**0-5**
JMA	I	20 14 41 52.4±.2	28.27N±.02	128.69E±.03	100±4			¶97i3020
ISC	**I**	**20 16 22 15**±1.8	**28.8N**±.10	**130.0E**±.20	**12**±20		**8**	**0-3**
JMA	I	20 16 22 15.7±.2	28.79N±.01	130.02E±.03	16±5	3.0		¶97i3037
ISC	**I**	**20 16 24 37**±3.9	**27.9N**±.30	**130.2E**±.32	**42**±48		**10**	**0-4**
JMA	I	20 16 24 36.4±.3	27.93N±.02	130.18E±.02	52±2	3.1		¶97i3039
ISC	**I**	**20 16 47 14**±1.3	**28.7N**±.11	**130.2E**±.24	**33**		**12**	**0-3**
JMA	I	20 16 47 14.0±.2	28.76N±.02	130.11E±.04	33±4	3.1		¶97i3045
ISC	**I**	**20 17 54 30**±2.2	**28.9N**±.10	**129.8E**±.22	**1**±21	4.0b	**6**	**0-76**
JMA	I	20 17 54 31.2±.1	28.85N±.01	129.83E±.02	20±3	2.8		¶97i3054
JMA	**I**	**20 19 29 03.3**±.2	**27.95N**±.01	**130.07E**±.02	**60**	**2.5**		¶97i3069
JMA	**I**	**20 21 29 10.3**±.8	**25.23N**±.05	**128.56E**±.04	**72**			¶97i3084
ISC	**I**	**20 22 00 51**±2.3	**28.8N**±.10	**130.0E**±.37	**18**±26		**6**	**0-3**
JMA	I	20 22 00 51.0±.3	28.77N±.02	130.08E±.04	29	3.3		¶97i3091
ISC	Poorly determined							
JMA	**I**	**21 00 04 04.4**±.6	**28.69N**±.03	**130.09E**±.03	**20**±4	**2.9**		¶97i3105
ISC	**I**	**21 08 09 07**±1.7	**29.3N**±.12	**130.7E**±.27	**68**±54		**10**	**1-3**
JMA	I	21 08 09 07.2±.4	29.29N±.03	130.67E±.05	72			¶97i3160
JMA	**I**	**21 14 31 04.9**±.5	**28.93N**±.03	**129.83E**±.03	**12**	**3.4**		¶97i3193
JMA	**I**	**21 14 49 55.9**±.2	**28.89N**±.01	**130.07E**±.01	**15**±2	**3.1**		¶97i3196
JMA	**I**	**21 15 01 20.4**±.6	**28.89N**±.03	**130.10E**±.04	**10**±5	**3.0**		¶97i3198
ISC	**I**	**21 23 54 33.4**±.97	**26.65N**±.096	**127.9E**±.13	**17**±29		**6**	**0-1**
JMA	I	21 23 54 33.4±.1	26.66N±.01	127.85E±.01	23±3	3.0		¶97i3247
ISC	**I**	**22 01 02 35**±1.3	**26.81N**±.086	**128.0E**±.15	**7**±30		**5**	**0-1**
JMA	I	22 01 02 35.0±.2	26.80N±.01	127.99E±.02	0	3.3		¶97i3258
ISC	Poorly determined							
ISC	**I**	**22 03 39 03.3**±.61	**28.85N**±.056	**129.8E**±.14	**9**		**11**	**0-3**
JMA	I	22 03 39 02.9±.3	28.88N±.01	129.71E±.03	9±5	3.3		¶97i3276
ISC	**I**	**22 15 14 41**±2.5	**28.5N**±.13	**128.8E**±.23	**24**±28		**8**	**1-4**
JMA	I	22 15 14 39.9±.3	28.55N±.01	128.69E±.03	25	3.2		¶97i3345
ISC	**I**	**22 23 16 09**±1.4	**28.86N**±.091	**129.8E**±.28	**16**		**4**	**0-1**
JMA	I	22 23 16 09.5±.2	28.88N±.01	129.83E±.03	16	2.8		¶97i3400
ISC	Poorly determined							
ISC	**I**	**23 02 26 50.3**±.81	**28.85N**±.056	**130.7E**±.13	**72**±31		**24**	**1-5**
JMA	I	23 02 26 50.5±.3	28.88N±.02	130.73E±.04	65			¶97i3425
ISC	**I**	**23 04 58 12**±1.5	**28.8N**±.11	**129.8E**±.31	**41**		**4**	**0-1**
JMA	I	23 04 58 11.8±.0	28.83N±.00	129.80E±.01	41±1	3.0		¶97i3438
ISC	Poorly determined							
ISC	**I**	**23 08 42 32**±1.2	**29.35N**±.078	**129.9E**±.24	**56**±34		**9**	**0-2**
JMA	I	23 08 42 31.3±.1	29.37N±.01	129.83E±.03	62±3			¶97i3469
ISC	**I**	**23 11 58 53**±1.3	**28.90N**±.093	**129.9E**±.32	**20**±24		**5**	**1-2**
JMA	I	23 11 58 52.8±.2	28.90N±.01	129.86E±.05	29	3.0		¶97i3494
ISC	Poorly determined							

JMA	**I**	**24 05 41 25.7**±.4	**28.93N**±.02	**129.85E**±.02	**16**±4	**3.2**			¶97i3604
JMA	**I**	**24 10 31 52.8**±.3	**28.13N**±.03	**130.40E**±.02	**30**±4	**3.2**			¶97i3634
ISC	**I**	**24 11 06 46**±1.5	**29.11N**±.082	**130.1E**±.28	**25**±19			**6**	**1-3**
JMA	I	24 11 06 46.2±.2	29.11N±.01	130.14E±.04	45	3.5			¶97i3636
ISC	**I**	**24 11 07 37**±2.0	**29.1N**±.16	**130.1E**±.41	**59**			**6**	**1-3**
JMA	I	24 11 07 37.1±.2	29.11N±.02	130.02E±.08	59	3.1			¶97i3637
ISC	Poorly determined								
ISC	**I**	**24 11 55 27**±1.1	**29.12N**±.078	**130.1E**±.22	**48**±59			**13**	**1-3**
JMA	I	24 11 55 26.3±.1	29.12N±.01	130.12E±.04	54	3.3			¶97i3643
ISC	**I**	**24 20 11 50.7**±.97	**26.65N**±.096	**127.8E**±.13	**17**±28			**6**	**0-2**
JMA	I	24 20 11 50.7±.1	26.65N±.01	127.84E±.01	22±3	3.1			¶97i3683
ISC	**I**	**25 01 45 06.5**±.95	**26.38N**±.085	**127.7E**±.12	**7**±14			**7**	**0-3**
JMA	I	25 01 45 06.6±.1	26.34N±.01	127.77E±.01	16±2	3.3			¶97i3720
ISC	**I**	**25 10 22 18.3**±.37	**25.69N**±.038	**128.90E**±.050	**45**±1.1*	**4.1b**,3.9s		**63**	**1-86**
BJI	I	25 10 22 09.6	25.12N	129.58E	46	4.5b,4.2s			¶97i3789
JMA	I	25 10 22 16.0±.3	25.59N±.02	128.75E±.02	69				
NEIC	I	25 10 22 19.4	25.50N	128.82E	46	4.3b			
EIDC	I	25 10 22 21.4	25.5N	128.7E	46	3.7b,4.0L			
ISC	**I**	**25 20 13 29**±2.4	**28.9N**±.16	**130.6E**±.33	**59**±59			**9**	**1-3**
JMA	I	25 20 13 28.5±.3	28.91N±.02	130.64E±.04	61				¶97i3848
ISC	**I**	**26 00 11 35**±1.6	**28.3N**±.30	**129.5E**±.27	**36**			**4**	**0-2**
JMA	I	26 00 11 34.5±.2	28.25N±.03	129.45E±.02	36±3	3.0			¶97i3860
ISC	Poorly determined								
JMA	**I**	**26 03 05 55.1**±.2	**28.28N**±.02	**130.42E**±.02	**43**±2	**2.8**			¶97i3881
ISC	**I**	**26 03 42 54**±8.2	**28.2N**±.41	**130.3E**±.79	**44**			**4**	**0-2**
JMA	I	26 03 42 52.9±.5	28.23N±.03	130.41E±.04	44±3	3.3			¶97i3884
ISC	Poorly determined								
JMA	**I**	**26 22 57 31.5**±.2	**28.96N**±.01	**129.81E**±.01	**15**±3	**2.8**			¶97i4011
ISC	**I**	**26 23 02 50**±1.3	**29.3N**±.11	**129.6E**±.39	**6**			**4**	**1-2**
JMA	I	26 23 02 49.4±.3	29.36N±.02	129.36E±.05	6	3.0			¶97i4012
ISC	Poorly determined								
ISC	**I**	**26 23 44 03**±3.5	**27.8N**±.26	**129.7E**±.12	**65**±63			**8**	**1-3**
JMA	I	26 23 44 02.8±.2	27.76N±.02	129.68E±.03	58	3.3			¶97i4016
JMA	**I**	**27 05 36 22.5**±.5	**28.88N**±.03	**129.82E**±.03	**17**±5	**3.3**			¶97i4052
JMA	**I**	**27 06 49 12.8**±.2	**27.96N**±.02	**130.22E**±.02	**37**±4	**2.8**			¶97i4060
JMA	**I**	**27 08 21 41.5**±.2	**28.72N**±.01	**130.08E**±.03	**17**±2	**2.8**			¶97i4068
ISC	**I**	**27 11 42 24**±1.6	**28.99N**±.091	**129.9E**±.35	**12**			**4**	**1-1**
JMA	I	27 11 42 24.5±.2	28.99N±.01	129.89E±.04	12	2.9			¶97i4081
ISC	Poorly determined								
JMA	**I**	**27 18 39 24.6**±.2	**28.89N**±.01	**130.09E**±.01	**27**±1	**3.2**			¶97i4114
ISC	**I**	**28 03 15 22**±1.2	**26.4N**±.12	**128.95E**±.098	**33**			**6**	**1-2**
JMA	I	28 03 15 21.8±.2	26.37N±.01	128.97E±.01	33	3.3			¶97i4163
JMA	**I**	**28 11 35 51.8**±.4	**28.38N**±.05	**129.36E**±.03	**27**	**3.0**			¶97i4206
JMA	**I**	**28 13 00 08.3**±.1	**27.96N**±.01	**130.30E**±.01	**28**±3	**3.0**			¶97i4213
ISC	**I**	**28 15 34 01**±1.4	**28.86N**±.091	**129.8E**±.29	**20**			**4**	**0-1**
JMA	I	28 15 34 01.6±.1	28.87N±.01	129.81E±.02	20	2.8			¶97i4220
ISC	Poorly determined								
JMA	**I**	**28 18 10 22.0**±.4	**27.98N**±.03	**129.46E**±.03	**60**±5	**2.4**			¶97i4239
ISC	**I**	**29 00 05 14**±2.3	**26.3N**±.28	**128.9E**±.20	**50**			**4**	**1-2**
JMA	I	29 00 05 13.9±.1	26.29N±.01	128.88E±.01	50±4	3.2			¶97i4273
ISC	Poorly determined								
JMA	**I**	**29 16 01 12.3**±.1	**29.39N**±.01	**129.66E**±.01	**49**±3	**2.8**			¶97i4373
ISC	**I**	**29 19 37 31.7**±.40	**26.43N**±.046	**126.70E**±.053	**106**±4.7	**4.1b**		**44**	**0-84**
BJI	I	29 19 37 30.7	26.36N	126.85E	108	4.4b			¶97i4390
NEIC	I	29 19 37 31.3	26.48N	126.76E	100	4.3b			
JMA	I	29 19 37 31.8±.3	26.50N±.04	126.59E±.03	94±4				
EIDC	I	29 19 37 35.2	26.5N	126.8E	119	3.8b			
ISC	**I**	**29 23 03 52**±1.5	**26.7N**±.14	**126.9E**±.19	**112**±13	3.1b		**10**	**0-79**
JMA	I	29 23 03 53.1±.4	26.76N±.03	126.93E±.03	97±5				¶97i4411
ISC	**I**	**30 11 23 36**±1.9	**29.3N**±.13	**130.4E**±.34	**68**±62			**7**	**1-2**
JMA	I	30 11 23 35.5±.2	29.30N±.01	130.41E±.03	77±5				¶97i4478
JMA	**I**	**30 15 10 07.1**±.5	**28.10N**±.02	**130.25E**±.04	**42**	**3.0**			¶97i4500
ISC	**I**	**30 15 29 22**±4.4	**28.2N**±.29	**130.2E**±.34	**30**±18			**8**	**0-3**
JMA	I	30 15 29 20.6±.3	28.14N±.02	130.28E±.02	37±2	3.0			¶97i4505
ISC	**I**	**30 22 11 00**±2.2	**28.1N**±.15	**130.4E**±.27	**39**±57			**15**	**0-4**
JMA	I	30 22 10 59.5±.4	28.17N±.02	130.40E±.03	40±4	3.4			¶97i4551
ISC	**I**	**31 13 28 03.6**±.67	**27.86N**±.061	**129.8E**±.10	**50**±21			**22**	**0-5**
JMA	I	31 13 28 03.3±.1	27.89N±.01	129.77E±.02	58±2	3.6			¶97i4633
NEIC	I	31 13 28 03.5	27.85N	129.81E	33				
NEIC	Single network solution.								
ISC	**II**	**01 04 19 35**±2.0	**26.1N**±.20	**127.49E**±.096	**18**			**5**	**0-1**
JMA	II	01 04 19 35.2±.2	26.12N±.02	127.49E±.01	18±3	3.1			¶97ii0017
ISC	**II**	**01 07 13 07**±1.0	**28.8N**±.11	**129.9E**±.26	**22**	3.1b		**14**	**1-76**
JMA	II	01 07 13 06.0±.2	28.86N±.01	129.89E±.03	22±4	3.5			¶97ii0040
ISC	**II**	**01 20 02 25**±1.9	**27.13N**±.092	**130.0E**±.11	**94**±42			**10**	**1-3**
JMA	II	01 20 02 25.7±.2	27.09N±.02	130.00E±.02	67				¶97ii0115
JMA	**II**	**02 05 52 39.6**±.4	**28.89N**±.02	**129.84E**±.02	**17**±3	**2.8**			¶97ii0179
JMA	**II**	**02 07 32 35.7**±.2	**27.97N**±.03	**129.78E**±.03	**60**	**2.8**			¶97ii0189
ISC	**II**	**02 20 34 21**±1.5	**28.82N**±.092	**129.9E**±.27	**18**			**4**	**0-1**
JMA	II	02 20 34 21.2±.2	28.83N±.01	129.85E±.03	18	3.2			¶97ii0274
ISC	Poorly determined								
ISC	**II**	**02 21 34 46**±1.2	**28.81N**±.080	**129.9E**±.19	**18**±17			**9**	**0-3**
JMA	II	02 21 34 46.0±.3	28.86N±.02	129.86E±.03	20±5	3.2			¶97ii0282
ISC	**II**	**02 21 53 05**±1.5	**28.80N**±.092	**129.9E**±.27	**19**			**4**	**0-1**
JMA	II	02 21 53 04.8±.1	28.80N±.01	129.85E±.03	19	3.0			¶97ii0284
ISC	Poorly determined								
JMA	**II**	**02 21 57 51.1**±.6	**28.92N**±.03	**129.86E**±.03	**13**	**3.0**			¶97ii0285
ISC	**II**	**03 15 27 14**±1.5	**28.80N**±.093	**129.9E**±.27	**20**			**4**	**0-1**
JMA	II	03 15 27 14.2±.1	28.80N±.01	129.85E±.02	20	3.2			¶97ii0396
ISC	Poorly determined								
ISC	**II**	**03 16 52 34**±1.0	**28.95N**±.081	**129.8E**±.25	**23**			**5**	**1-3**
JMA	II	03 16 52 33.5±.1	28.96N±.01	129.84E±.02	23±3	3.1			¶97ii0402
ISC	**II**	**03 16 53 04**±1.3	**28.92N**±.092	**129.8E**±.33	**20**			**7**	**1-3**
JMA	II	03 16 53 03.7±.1	28.97N±.01	129.83E±.01	20±3	3.1			¶97ii0403
ISC	**II**	**04 19 21 14**±1.0	**27.09N**±.084	**130.0E**±.10	**54**			**8**	**1-3**
JMA	II	04 19 21 13.9±.2	27.10N±.02	129.99E±.02	54	3.1			¶97ii0588
ISC	**II**	**05 10 23 34.4**±.99	**29.24N**±.076	**130.4E**±.19	**81**±21			**23**	**1-4**
JMA	II	05 10 23 34.6±.2	29.27N±.02	130.34E±.05	80				¶97ii0674
ISC	**II**	**05 14 30 54.5**±.79	**28.87N**±.058	**130.6E**±.14	**65**±27			**24**	**1-5**
JMA	II	05 14 30 54.3±.2	28.90N±.01	130.63E±.03	62				¶97ii0706
ISC	**II**	**05 16 02 35.8**±.74	**28.91N**±.061	**130.6E**±.14	**57**±17	3.3b		**20**	**1-75**
JMA	II	05 16 02 35.7±.2	28.95N±.01	130.57E±.03	76				¶97ii0715
ISC	**II**	**05 16 03 15**±2.9	**28.8N**±.20	**130.9E**±.33	**38**±30	3.3b		**16**	**1-75**
JMA	II	05 16 03 15.2±.4	28.90N±.03	130.72E±.05	74				¶97ii0716
ISC	**II**	**05 16 06 18.9**±.65	**28.91N**±.047	**130.6E**±.11	**50**±7.7	**3.8b**		**35**	**1-77**
NEIC	II	05 16 06 17.1	28.95N	130.55E	33				¶97ii0717
JMA	II	05 16 06 18.7±.2	28.93N±.01	130.59E±.03	75±5				
EIDC	II	05 16 06 34.2	28.9N	130.6E	171	3.4b			
NEIC	Poor solution.								
JMA	**II**	**06 05 47 08.0**±.4	**28.14N**±.02	**130.35E**±.03	**38**	**2.9**			¶97ii0800
ISC	**II**	**06 06 02 56**±7.5	**27.8N**±.30	**130.2E**±.75	**49**			**4**	**1-2**
JMA	II	06 06 02 55.8±.5	27.77N±.02	130.17E±.04	49	3.1			¶97ii0804
ISC	Poorly determined								
ISC	**II**	**06 11 47 04**±1.9	**26.1N**±.19	**127.50E**±.095	**17**			**5**	**0-1**
JMA	II	06 11 47 04.6±.2	26.14N±.03	127.49E±.01	17±3	2.8			¶97ii0831
JMA	**II**	**06 19 14 38.0**±.0	**26.63N**±.00	**128.89E**±.00	**30**±	**2.8**			¶97ii0894
ISC	**II**	**06 19 33 53**±1.5	**28.7N**±.10	**129.9E**±.26	**26**			**4**	**0-1**
JMA	II	06 19 33 53.1±.1	28.76N±.01	129.83E±.03	26	2.8			¶97ii0896
ISC	Poorly determined								
ISC	**II**	**07 11 11 43**±2.4	**29.0N**±.15	**130.6E**±.35	**63**			**5**	**1-2**
JMA	II	07 11 11 42.6±.3	28.94N±.02	130.68E±.05	63				¶97ii0981
JMA	**II**	**07 15 35 52.2**±.2	**27.98N**±.02	**130.11E**±.02	**66**				¶97ii1006
ISC	**II**	**07 17 31 36**±1.2	**28.86N**±.073	**129.9E**±.21	**16**±20			**9**	**0-3**
JMA	II	07 17 31 36.2±.1	28.85N±.01	129.88E±.04	31±5	2.8			¶97ii1014
JMA	**II**	**07 17 51 37.2**±.3	**28.19N**±.03	**130.12E**±.04	**63**				¶97ii1018
JMA	**II**	**07 19 55 21.0**±.6	**28.15N**±.03	**130.22E**±.05	**37**	**2.9**			¶97ii1029
ISC	**II**	**07 21 38 44**±1.7	**29.1N**±.11	**130.8E**±.18	**5**			**11**	**1-3**
JMA	II	07 21 38 43.5±.3	29.08N±.02	130.87E±.03	5	2.9			¶97ii1045
ISC	**II**	**08 01 02 45**±1.5	**29.1N**±.13	**130.7E**±.29	**74**±56			**12**	**1-4**
JMA	II	08 01 02 45.1±.3	29.12N±.02	130.67E±.04	75				¶97ii1066
ISC	**II**	**08 18 21 18**±2.5	**28.9N**±.17	**129.6E**±.37	**31**±35			**6**	**1-2**
JMA	II	08 18 21 17.6±.1	28.92N±.01	129.59E±.04	44	2.8			¶97ii1183
ISC	**II**	**09 10 10 19**±2.1	**26.5N**±.13	**127.8E**±.14	**74**±26			**8**	**0-3**
JMA	II	09 10 10 20.3±.2	26.64N±.01	127.72E±.01	51±3	3.5			¶97ii1294
ISC	**II**	**09 18 40 04**±1.2	**26.1N**±.12	**129.03E**±.080	**44**			**9**	**1-2**
JMA	II	09 18 40 03.6±.2	26.09N±.02	129.05E±.01	44	3.3			¶97ii1342
ISC	**II**	**09 22 44 22.0**±.79	**28.08N**±.063	**130.2E**±.11	**46**±24			**17**	**0-5**
JMA	II	09 22 44 21.2±.2	28.06N±.02	130.29E±.03	48±4	3.3			¶97ii1376
ISC	**II**	**10 05 13 19**±1.4	**27.8N**±.34	**128.8E**±.36	**51**			**5**	**0-2**
JMA	II	10 05 13 19.1±.2	27.82N±.04	128.80E±.04	51	3.3			¶97ii1416
EIDC	**II**	**10 07 54 17.3**	**26.3N**	**129.5E**	**0**	**3.7b**			**46-64**
									¶97ii1435
ISC	**II**	**11 14 59 05**±2.7	**26.6N**±.16	**127.7E**±.19	**52**±46			**6**	**0-2**
JMA	II	11 14 59 04.6±.2	26.63N±.01	127.74E±.02	53±3	3.1			¶97ii1640
JMA	**II**	**12 05 29 10.8**±.3	**27.94N**±.02	**130.17E**±.03	**59**	**3.0**			¶97ii1726
JMA	**II**	**12 05 47 13.7**±.1	**28.91N**±.01	**129.89E**±.01	**21**±1	**3.0**			¶97ii1729
ISC	**II**	**12 15 56 48**±2.0	**28.2N**±.15	**130.3E**±.27	**40**±32			**11**	**0-4**
JMA	II	12 15 56 47.1±.3	28.20N±.02	130.36E±.03	44±3	3.3			¶97ii1786
ISC	**II**	**12 16 00 52**±5.8	**28.3N**±.34	**130.3E**±.52	**34**±39			**6**	**0-2**
JMA	II	12 16 00 51.1±.4	28.24N±.02	130.33E±.04	41±3	3.3			¶97ii1787
ISC	Poorly determined								
JMA	**II**	**12 22 05 20.2**±.4	**28.90N**±.02	**129.85E**±.02	**16**±3	**2.9**			¶97ii1825
ISC	**II**	**13 03 26 11**±5.6	**27.8N**±.50	**130.1E**±.47	**48**±54			**5**	**0-4**
JMA	II	13 03 26 10.3±.3	27.84N±.02	130.05E±.02	55±3	2.8			¶97ii1867
ISC	Poorly determined								
ISC	**II**	**13 05 17 16**±1.7	**26.0N**±.17	**128.7E**±.12	**34**			**6**	**1-3**
JMA	II	13 05 17 14.9±.3	26.01N±.02	128.67E±.02	34	3.2			¶97ii1878
ISC	**II**	**13 06 25 04**±1.9	**26.1N**±.19	**127.48E**±.096	**19**			**5**	**0-1**
JMA	II	13 06 25 04.4±.2	26.13N±.02	127.48E±.01	19±2	3.1			¶97ii1881
ISC	**II**	**13 10 14 54.8**±.56	**25.04N**±.057	**127.80E**±.076	**77**	**3.8b**		**28**	**1-80**
EIDC	II	13 10 14 50.5	24.7N	128.4E	0	3.9b			¶97ii1896
BJI	II	13 10 14 52.7	24.99N	128.25E	30				
JMA	II	13 10 14 53.0±.2	24.89N±.02	127.94E±.02	77				
NEIC	II	13 10 14 53.4	24.71N	128.16E	33	4.2b			
NEIC	Poor solution.								
ISC	**II**	**13 14 54 46**±1.1	**27.07N**±.082	**129.83E**±.096	**53**±62			**10**	**1-5**
JMA	II	13 14 54 45.2±.1	27.06N±.01	129.83E±.01	50	3.7			¶97ii1940
ISC	**II**	**13 20 55 31**±1.9	**28.7N**±.12	**129.2E**±.21	**31**			**4**	**0-1**
JMA	II	13 20 55 30.4±.1	28.71N±.01	129.18E±.01	31±3	2.8			¶97ii1978
ISC	Poorly determined								
JMA	**II**	**13 21 29 21.2**±.3	**26.17N**±.01	**128.73E**±.03	**37**±3	**2.8**			¶97ii1981
ISC	**II**	**13 22 38 26**±1.9	**29.4N**±.13	**130.6E**±.27	**65**±53			**11**	**1-3**
JMA	II	13 22 38 25.6±.3	29.37N±.02	130.60E±.05	73				¶97ii1990
ISC	**II**	**14 12 29 31**±1.8	**27.9N**±.11	**127.7E**±.17	**150**±28			**13**	**1-5**
JMA	II	14 12 29 31.9±.2	27.91N±.02	127.68E±.03	136				¶97ii2055
JMA	**II**	**14 21 53 09.5**±.5	**28.84N**±.03	**129.85E**±.02	**11**±4	**2.8**			¶97ii2120
ISC	**II**	**15 02 21 15**±1.5	**29.6N**±.11	**130.5E**±.22	**55**			**7**	**1-2**
JMA	II	15 02 21 14.6±.2	29.62N±.01	130.46E±.02	55	2.9			¶97ii2160
ISC	**II**	**15 09 09 11**±5.0	**29.8N**±.35	**130.7E**±.36	**62**			**5**	**1-2**
JMA	II	15 09 09 11.1±.3	29.81N±.02	130.75E±.02	62±3				¶97ii2202
JMA	**II**	**16 05 07 20.7**±.4	**28.96N**±.02	**129.86E**±.02	**13**±3	**3.1**			¶97ii2340
ISC	**II**	**16 14 08 29**±1.2	**28.8N**±.10	**130.2E**±.21	**64**±22			**17**	**1-4**
JMA	II	16 14 08 29.6±.1	28.82N±.01	130.17E±.03	58±3	3.3			¶97ii2382
ISC	**II**	**16 18 56 33**±2.4	**28.1N**±.17	**130.2E**±.29	**34**±33			**8**	**0-4**
JMA	II	16 18 56 31.8±.4	28.09N±.02	130.30E±.03	40	3.3			¶97ii2406
JMA	**II**	**17 11 00 31.0**±.0	**28.37N**±.00	**129.41E**±.00	**68**±1				¶97ii2478
JMA	**II**	**17 12 14 17.2**±.7	**28.03N**±.03	**130.27E**±.06	**47**	**3.3**			¶97ii2492
ISC	**II**	**17 13 37 52**±1.4	**28.82N**±.091	**129.8E**±.26	**16**			**4**	**0-1**
JMA	II	17 13 37 51.9±.1	28.82N±.00	129.80E±.01	16±3	3.0			¶97ii2499
ISC	Poorly determined								
JMA	**II**	**17 19 32 55.3**±.4	**28.10N**±.03	**130.27E**±.03	**32**±5	**2.8**			¶97ii2535
ISC	**II**	**18 09 08 53**±3.0	**27.0N**±.15	**126.9E**±.22	**19**			**6**	**1-2**
JMA	II	18 09 08 52.2±.4	27.03N±.02	126.81E±.02	19	3.4			¶97ii2621
ISC	**II**	**18 18 17 03**±2.4	**26.1N**±.31	**127.5E**±.10	**18**			**4**	**0-1**
JMA	II	18 18 17 03.3±.2	26.13N±.02	127.49E±.01	18±2	2.8			¶97ii2676
ISC	Poorly determined								
JMA	**II**	**18 18 33 11.6**±.1	**28.41N**±.01	**129.68E**±.00	**34**±1	**2.8**			¶97ii2679
JMA	**II**	**19 08 07 15.8**±.2	**28.13N**±.01	**130.29E**±.02	**38**	**3.0**			¶97ii2750
JMA	**II**	**19 23 08 35.3**±.2	**28.90N**±.01	**129.66E**±.01	**8**±3	**2.9**			¶97ii2849
JMA	**II**	**20 07 06 29.1**±.1	**28.91N**±.01	**129.86E**±.02	**20**±2	**3.3**			¶97ii2892
JMA	**II**	**20 10 21 11.3**±.2	**26.82N**±.01	**129.81E**±.02	**46**	**2.8**			¶97ii2907
ISC	**II**	**20 12 10 03**±1.4	**28.1N**±.15	**129.2E**±.19	**13**±13			**8**	**0-4**
JMA	II	20 12 10 02.6±.1	28.17N±.02	129.13E±.02	23±2	3.4			¶97ii2922
ISC	**II**	**20 12 39 19**±2.0	**27.7N**±.17	**128.6E**±.15	**72**±28			**8**	**0-3**
JMA	II	20 12 39 18.7±.6	27.86N±.06	128.35E±.06	44	3.3			¶97ii2927
ISC	**II**	**20 13 46 53**±1.8	**26.8N**±.11	**127.7E**±.15	**9**±17			**6**	**0-1**
JMA	II	20 13 46 53.1±.1	26.86N±.01	127.67E±.01	16±2	2.9			¶97ii2935
JMA	**II**	**21 11 21 12.8**±.5	**28.81N**±.03	**129.86E**±.01	**2**±3	**3.0**			¶97ii3060
ISC	**II**	**21 15 25 57**±1.7	**28.8N**±.10	**129.9E**±.25	**8**±19			**6**	**0-2**
JMA	II	21 15 25 57.4±.2	28.82N±.01	129.88E±.05	22	3.0			¶97ii3092
JMA	**II**	**21 21 15 52.0**±.3	**28.11N**±.01	**130.33E**±.03	**41**	**2.8**			¶97ii3126
ISC	**II**	**22 14 01 19**±6.4	**27.9N**±.27	**130.3E**±.44	**26**±33			**7**	**0-3**
JMA	II	22 14 01 18.9±.5	27.97N±.03	130.29E±.04	42±4	3.0			¶97ii3214
ISC	**II**	**23 12 59 11.4**±.74	**28.18N**±.074	**128.9E**±.13	**81**±21			**17**	**0-5**
JMA	II	23 12 59 11.5±.1	28.28N±.01	128.70E±.02	61				¶97ii3332
ISC	**II**	**23 17 40 13.6**±.97	**29.03N**±.095	**130.1E**±.26	**47**			**7**	**1-2**
JMA	II	23 17 40 13.3±.1	29.03N±.01	130.10E±.04	47	2.8			¶97ii3353
ISC	**II**	**24 00 00 53**±6.7	**29.2N**±.21	**130.5E**±.49	**23**±53			**6**	**1-2**
JMA	II	24 00 00 51.4±.2	29.22N±.01	130.61E±.02	16	3.2			¶97ii3390
ISC	**II**	**24 00 51 14**±1.7	**29.0N**±.12	**130.2E**±.30	**16**			**5**	**1-3**
JMA	II	24 00 51 13.4±.3	28.97N±.02	130.28E±.05	16	3.2			¶97ii3394

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**24 03 42 45**±1.5	**29.3N**±.13	**130.4E**±.29	**66**		**7**	**1-2**
JMA	II	24 03 42 45.1±.1	29.29N±.01	130.43E±.03	66			¶97iii3416
ISC	**II**	**24 03 54 28**±1.1	**29.33N**±.082	**130.4E**±.23	**59**±38		**12**	**1-3**
JMA	II	24 03 54 27.6±.1	29.34N±.01	130.35E±.04	71			¶97iii3420
ISC	**II**	**24 04 21 42**±1.1	**29.27N**±.085	**130.4E**±.19	**53**		**13**	**1-3**
JMA	II	24 04 21 41.7±.1	29.25N±.01	130.48E±.03	53±5	3.2		¶97iii3424
ISC	**II**	**24 04 27 12**±1.4	**29.3N**±.10	**130.5E**±.22	**52**		**10**	**1-3**
JMA	II	24 04 27 11.9±.2	29.27N±.02	130.52E±.03	52	3.0		¶97iii3425
ISC	**II**	**25 13 43 30**±1.1	**27.78N**±.089	**130.0E**±.12	**64**		**8**	**1-3**
JMA	II	25 13 43 30.5±.2	27.77N±.02	130.00E±.02	64			¶97iii3629
JMA	**II**	**25 17 11 50.1**±.4	**27.01N**±.07	**130.05E**±.03	**58**	**2.9**		¶97iii3668
ISC	**II**	**25 20 38 39**±1.3	**29.64N**±.085	**129.7E**±.27	**70**±25		**9**	**0-2**
JMA	II	25 20 38 38.5±.2	29.65N±.02	129.70E±.06	75			¶97iii3687
ISC	**II**	**26 07 09 44.1**±.54	**29.28N**±.045	**130.0E**±.11	**41**±9.9	**3.8b**	**24**	**1-75**
EIDC	II	26 07 09 41.1	29.2N	130.8E	0	3.7b,3.4L		¶97iii3758
NEIC	II	26 07 09 43.0	29.22N	130.28E	33			
JMA	II	26 07 09 43.4±.1	29.30N±.01	129.96E±.04	49±4	3.6		
ISC	**II**	**26 21 59 15**±1.3	**26.4N**±.16	**128.9E**±.11	**47**		**5**	**1-2**
JMA	II	26 21 59 14.1±.1	26.33N±.01	128.90E±.01	47	2.9		¶97iii3864
JMA	**II**	**27 02 43 31.0**±.3	**28.76N**±.02	**130.03E**±.05	**20**	**2.9**		¶97iii3895
ISC	**II**	**27 13 35 22**±8.1	**27.9N**±.49	**130.3E**±.75	**86**±64		**6**	**1-4**
JMA	II	27 13 35 24.6±.2	27.85N±.01	130.18E±.02	55	2.9		¶97iii3963
ISC	**II**	**27 16 35 05**±1.7	**29.14N**±.090	**129.6E**±.31	**6**		**4**	**1-1**
JMA	II	27 16 35 05.9±.1	29.14N±.00	129.51E±.01	6±2	3.2		¶97iii3985
ISC		Poorly determined						
ISC	**II**	**27 20 40 27**±2.6	**28.3N**±.19	**130.4E**±.35	**50**±28		**11**	**0-4**
JMA	II	27 20 40 25.7±.4	28.26N±.03	130.49E±.04	48	3.1		¶97ii4004
ISC	**II**	**27 23 15 05**±1.5	**26.0N**±.18	**128.6E**±.11	**39**		**5**	**1-2**
JMA	II	27 23 15 04.5±.3	25.99N±.03	128.64E±.02	39	2.8		¶97ii4057
JMA	**II**	**28 12 48 09.0**±.8	**26.23N**±.04	**129.25E**±.07	**79**			¶97ii4252
ISC	**II**	**28 15 53 38**±2.2	**27.9N**±.19	**130.2E**±.31	**47**±39		**14**	**0-4**
JMA	II	28 15 53 37.5±.2	27.90N±.02	130.18E±.02	52±3	3.3		¶97ii4284
ISC	**III**	**02 03 43 06.3**±.40	**29.78N**±.055	**129.6E**±.12	**166**±6.0	**3.6b**	**44**	**0-89**
JMA	III	02 03 43 07.4±.3	29.79N±.01	129.62E±.04	152±4			¶97iii0234
EIDC	III	02 03 43 18.3	30.7N	129.7E	214	3.4b		
ISC	**III**	**02 15 26 48**±3.0	**26.7N**±.19	**127.9E**±.16	**84**±31		**6**	**0-3**
JMA	III	02 15 26 49.4±.2	26.66N±.03	127.86E±.04	69			¶97iii0339
ISC	**III**	**03 17 40 33**±2.9	**29.4N**±.15	**129.3E**±.34	**13**		**4**	**1-2**
JMA	III	03 17 40 32.5±.5	29.41N±.02	129.24E±.05	13	3.0		¶97iii0651
ISC		Poorly determined						
ISC	**III**	**03 21 28 50**±2.4	**28.9N**±.11	**129.1E**±.25	**18**		**4**	**1-1**
JMA	III	03 21 28 49.9±.0	28.92N±.00	129.10E±.00	18±1	3.0		¶97iii0695
ISC		Poorly determined						
JMA	**III**	**04 00 48 02.5**±.5	**28.16N**±.02	**130.36E**±.04	**41**	**3.2**		¶97iii0732
ISC	**III**	**04 02 36 32**±3.3	**28.2N**±.25	**130.3E**±.26	**33**		**6**	**0-3**
JMA	III	04 02 36 30.8±.6	28.12N±.04	130.34E±.04	33±4	3.3		¶97iii0754
JMA	**III**	**04 03 49 20.2**±.3	**28.11N**±.01	**130.36E**±.02	**33**	**3.0**		¶97iii0768
ISC	**III**	**04 19 13 06**±1.4	**28.1N**±.17	**129.2E**±.21	**30**		**4**	**0-2**
JMA	III	04 19 13 05.7±.0	28.20N±.00	129.16E±.00	30±1	2.8		¶97iii0908
ISC		Poorly determined						
JMA	**III**	**04 23 31 34.6**±.1	**28.62N**±.01	**129.32E**±.02	**30**	**3.3**		¶97iii0939
ISC	**III**	**05 04 52 35**±1.5	**28.89N**±.083	**129.8E**±.25	**2**		**4**	**1-1**
JMA	III	05 04 52 35.3±.1	28.88N±.00	129.81E±.01	2±2	3.0		¶97iii0986
ISC		Poorly determined						
ISC	**III**	**05 06 39 18**±3.6	**28.8N**±.23	**130.0E**±.58	**15**±38		**6**	**1-2**
JMA	III	05 06 39 18.0±.2	28.86N±.02	129.91E±.05	23	3.3		¶97iii1001
ISC		Poorly determined						
JMA	**III**	**05 07 00 28.0**±.5	**28.18N**±.04	**130.27E**±.03	**42**±4	**2.8**		¶97iii1004
JMA	**III**	**06 13 37 06.8**±.2	**27.59N**±.02	**127.85E**±.03	**95**			¶97iii1276
ISC	**III**	**06 22 29 54**±4.6	**28.0N**±.36	**130.1E**±.40	**42**±39		**6**	**0-4**
JMA	III	06 22 29 52.9±.2	27.97N±.02	130.09E±.02	51±2	2.9		¶97iii1365
ISC		Poorly determined						
JMA	**III**	**07 03 54 25.5**±.6	**29.07N**±.03	**129.85E**±.03	**13**	**3.0**		¶97iii1432
ISC	**III**	**07 09 47 24**±3.8	**27.7N**±.22	**127.8E**±.23	**131**±35		**9**	**1-4**
JMA	III	07 09 47 24.8±.3	27.73N±.03	127.80E±.03	117			¶97iii1493
ISC	**III**	**07 13 26 09.1**±.99	**26.41N**±.098	**129.76E**±.086	**47**		**9**	**1-3**
JMA	III	07 13 26 08.5±.2	26.40N±.02	129.74E±.01	47	3.6		¶97iii1522
JMA	**III**	**07 17 51 48.0**±.5	**28.64N**±.03	**130.11E**±.03	**24**±3	**2.8**		¶97iii1562
ISC	**III**	**07 19 03 28.1**±.42	**28.75N**±.031	**130.10E**±.035	**37**±4.5	**4.4b,4.4s**	**124**	**0-124**
BJI	III	07 19 03 28.0	28.61N	130.13E	40	4.7b,4.4s		¶97iii1580
NEIC	III	07 19 03 28.0	28.80N	130.05E	33	4.7b		
JMA	III	07 19 03 28.2±.1	28.83N±.01	129.90E±.03	38±3	4.2		
MOS	III	07 19 03 28.2	28.8N	129.9E	33	4.8b		
EIDC	III	07 19 03 30.7	28.8N	130.0E	45	4.2b,4.2L		
ISC	**III**	**07 19 30 15**±1.2	**28.85N**±.085	**130.0E**±.26	**25**		**6**	**1-3**
JMA	III	07 19 30 14.7±.2	28.87N±.01	129.89E±.05	25	3.0		¶97iii1584
ISC	**III**	**08 22 20 16**±1.6	**28.9N**±.10	**129.9E**±.30	**25**		**4**	**1-1**
JMA	III	08 22 20 16.5±.1	28.87N±.01	129.83E±.02	25	3.2		¶97iii1847
ISC		Poorly determined						
ISC	**III**	**08 22 23 32**±1.5	**28.86N**±.085	**129.9E**±.27	**11**		**4**	**1-1**
JMA	III	08 22 23 32.7±.1	28.88N±.01	129.83E±.02	11±5	2.8		¶97iii1848
ISC		Poorly determined						
ISC	**III**	**09 02 19 31**±4.4	**27.5N**±.29	**130.1E**±.47	**90**		**7**	**1-3**
JMA	III	09 02 19 30.0±.3	27.44N±.02	130.18E±.03	90			¶97iii1890
ISC	**III**	**09 02 39 06**±9.1	**27.4N**±.35	**130.4E**±.77	**41**		**6**	**1-2**
JMA	III	09 02 39 08.3±.3	27.44N±.02	130.20E±.03	41	3.0		¶97iii1894
JMA	**III**	**09 12 42 25.1**±.1	**26.94N**±.01	**127.87E**±.00	**65**±1			¶97iii1963
ISC	**III**	**09 15 15 11**±1.3	**27.45N**±.095	**130.1E**±.11	**56**±59		**10**	**1-3**
JMA	III	09 15 15 10.8±.1	27.44N±.01	130.14E±.01	56	3.1		¶97iii1998
ISC	**III**	**09 15 20 33.9**±.98	**27.45N**±.074	**130.1E**±.11	**64**±35		**14**	**1-5**
JMA	III	09 15 20 33.6±.1	27.44N±.01	130.14E±.01	64±4			¶97iii2004
ISC	**III**	**09 15 21 40**±5.6	**27.5N**±.30	**130.2E**±.55	**73**		**9**	**1-3**
JMA	III	09 15 21 39.8±.3	27.46N±.02	130.21E±.03	73			¶97iii2006
ISC	**III**	**09 18 17 19**±1.1	**27.50N**±.078	**130.1E**±.11	**83**±27		**11**	**1-5**
JMA	III	09 18 17 19.3±.1	27.45N±.01	130.14E±.02	64			¶97iii2042
ISC	**III**	**10 02 04 01**±1.9	**28.92N**±.094	**130.0E**±.36	**13**		**4**	**1-1**
JMA	III	10 02 04 01.4±.1	28.92N±.01	129.94E±.03	13	3.0		¶97iii2127
ISC		Poorly determined						
JMA	**III**	**10 13 27 45.4**±.3	**28.19N**±.02	**129.25E**±.02	**51**±3	**2.8**		¶97iii2217
JMA	**III**	**10 20 16 31.5**±.7	**28.65N**±.04	**130.19E**±.04	**23**	**3.3**		¶97iii2267
ISC	**III**	**11 08 35 47**±1.1	**28.6N**±.11	**129.7E**±.20	**33**±32		**6**	**0-2**
JMA	III	11 08 35 46.0±.2	28.64N±.02	129.65E±.04	45±5	3.2		¶97iii2346
ISC	**III**	**11 10 13 04**±4.7	**27.1N**±.28	**129.9E**±.41	**44**		**7**	**1-3**
JMA	III	11 10 13 01.8±.3	27.07N±.02	130.00E±.02	44	3.1		¶97iii2355
ISC	**III**	**11 10 26 20**±1.1	**29.42N**±.079	**130.5E**±.22	**71**±32		**16**	**1-4**
JMA	III	11 10 26 20.0±.3	29.41N±.02	130.58E±.04	73			¶97iii2359
ISC	**III**	**11 14 17 46.7**±.47	**25.04N**±.032	**126.59E**±.030	**34**±4.6	**4.7b,4.1s**	**223**	**1-164**
MOS	III	11 14 17 46.4	25.1N	126.6E	33	5.0b		¶97iii2391
JMA	III	11 14 17 47.4±.1	25.15N±.02	126.45E±.02	93±3	4.7		
NEIC	III	11 14 17 47.5	25.09N	126.65E	43	4.9b,4.0s		
BJI	III	11 14 17 47.7	24.94N	126.64E	54	4.1L,4.5b		
EIDC	III	11 14 17 49.9	25.0N	126.4E	43	4.3b,4.1s		
BJI	Ms4.1							
ISC	**III**	**11 14 34 17.8**±.85	**27.88N**±.066	**130.1E**±.11	**56**		**12**	**0-76**
JMA	III	11 14 34 17.5±.1	27.87N±.01	130.11E±.02	56±3	3.1		¶97iii2392
ISC	**III**	**11 15 23 50**±2.2	**27.0N**±.24	**127.7E**±.19	**65**		**5**	**0-1**
JMA	III	11 15 23 50.2±.3	27.01N±.02	127.73E±.02	65±4			¶97iii2403
JMA	**III**	**12 10 35 02.7**±.3	**28.24N**±.02	**130.42E**±.02	**42**±2	**2.8**		¶97iii2515
ISC	**III**	**12 17 03 23.8**±.64	**29.12N**±.072	**129.8E**±.18	**32**		**11**	**1-4**
JMA	III	12 17 03 23.0±.1	29.14N±.01	129.70E±.04	32	3.4		¶97iii2558
ISC	**III**	**12 17 09 23**±2.4	**27.44N**±.048	**130.24E**±.065	**14**±15	**3.8b**	**39**	**1-91**
JMA	III	12 17 09 24.8±.1	27.45N±.01	130.16E±.01	69±5			¶97iii2559
NEIC	III	12 17 09 25.7	27.48N	130.41E	33	3.7b		
BJI	III	12 17 09 26.3	27.25N	129.84E	34	4.1b,4.3s		
EIDC	III	12 17 09 28.9	27.5N	130.4E	43	3.4b,3.7L		
ISC	**III**	**12 17 10 32**±1.3	**27.50N**±.089	**130.2E**±.12	**75**±32		**13**	**1-6**
JMA	III	12 17 10 31.3±.2	27.53N±.01	130.24E±.02	89			¶97iii2560
ISC	**III**	**12 17 22 12**±4.2	**27.7N**±.35	**129.9E**±.54	**88**		**5**	**1-2**
JMA	III	12 17 22 12.2±.4	27.68N±.04	129.91E±.05	88			¶97iii2562
ISC	**III**	**12 17 53 22**±3.6	**27.5N**±.18	**130.0E**±.37	**50**		**8**	**1-3**
JMA	III	12 17 53 20.3±.3	27.44N±.02	130.14E±.03	50	3.2		¶97iii2567
JMA	**III**	**12 18 03 02.7**±.4	**27.66N**±.04	**129.98E**±.03	**98**			¶97iii2570
ISC	**III**	**12 18 33 09**±1.2	**27.51N**±.093	**130.2E**±.12	**73**		**8**	**1-3**
JMA	III	12 18 33 08.4±.2	27.47N±.02	130.18E±.02	73			¶97iii2575
ISC	**III**	**12 18 35 02.9**±.80	**27.48N**±.064	**130.18E**±.094	**62**	4.2b	**15**	**1-79**
JMA	III	12 18 35 02.6±.1	27.46N±.01	130.16E±.01	62			¶97iii2576
ISC	**III**	**12 18 48 31**±1.1	**27.48N**±.090	**130.2E**±.12	**70**		**8**	**1-3**
JMA	III	12 18 48 30.7±.1	27.46N±.01	130.17E±.02	70			¶97iii2578
ISC	**III**	**12 21 53 26**±1.2	**27.6N**±.10	**130.1E**±.14	**71**		**6**	**1-2**
JMA	III	12 21 53 25.5±.2	27.55N±.02	130.06E±.02	71			¶97iii2592
JMA	**III**	**13 00 27 44.1**±.3	**27.55N**±.01	**130.12E**±.01	**8**	**3.1**		¶97iii2611
ISC	**III**	**13 01 34 23**±1.7	**27.5N**±.16	**130.2E**±.20	**62**		**4**	**1-2**
JMA	III	13 01 34 23.2±.3	27.47N±.03	130.18E±.03	62			¶97iii2623
ISC		Poorly determined						
ISC	**III**	**13 08 25 00.5**±.85	**27.93N**±.068	**130.1E**±.11	**60**±20		**13**	**0-4**
JMA	III	13 08 25 00.3±.2	27.94N±.01	130.10E±.02	63±3			¶97iii2672
ISC	**III**	**13 14 31 49.5**±.87	**27.45N**±.065	**130.2E**±.10	**53**±41		**15**	**1-5**
JMA	III	13 14 31 49.0±.1	27.44N±.01	130.16E±.01	54	3.5		¶97iii2721
JMA	**III**	**14 16 19 40.8**±.3	**27.69N**±.03	**128.00E**±.04	**98**±4			¶97iii2914
JMA	**III**	**14 18 41 13.3**±.1	**27.86N**±.01	**129.15E**±.01	**61**±1			¶97iii2931
JMA	**III**	**14 20 22 52.4**±.5	**28.90N**±.03	**129.83E**±.03	**17**±4	**3.1**		¶97iii2944
JMA	**III**	**15 01 47 43.8**±.4	**28.36N**±.03	**130.31E**±.02	**28**±2	**2.8**		¶97iii2976
ISC	**III**	**15 04 47 48**±3.5	**28.4N**±.27	**130.4E**±.36	**47**±42		**6**	**0-3**
JMA	III	15 04 47 48.0±.3	28.37N±.02	130.40E±.03	55±3	3.2		¶97iii3000
JMA	**III**	**15 22 04 43.3**±.1	**28.17N**±.01	**129.45E**±.01	**0**±3	**2.8**		¶97iii3117
ISC	**III**	**15 23 08 58.2**±.40	**26.46N**±.062	**126.61E**±.067	**122**±5.6	**3.8b**	**36**	**0-94**
JMA	III	15 23 08 58.3±.2	26.57N±.03	126.47E±.03	109			¶97iii3123
BJI	III	15 23 09 01.2	26.46N	126.46E	151	4.5b		
NEIC	III	15 23 09 01.4	26.49N	126.56E	150	4.1b		
EIDC	III	15 23 09 03.8	26.5N	126.5E	155	3.4b		
NEIC		Less reliable solution.						
JMA	**III**	**16 04 42 27.3**±.8	**25.12N**±.06	**127.87E**±.06	**94**			¶97iii3167
ISC	**III**	**16 13 09 25**±4.9	**28.2N**±.30	**130.3E**±.38	**29**±21		**6**	**0-3**
JMA	III	16 13 09 24.0±.3	28.18N±.02	130.36E±.02	35±2	3.5		¶97iii3228
JMA	**III**	**16 16 31 30.9**±.4	**27.70N**±.04	**129.94E**±.04	**116**			¶97iii3245
ISC	**III**	**16 18 10 57**±1.1	**26.3N**±.14	**129.40E**±.095	**44**		**10**	**1-4**
JMA	III	16 18 10 56.7±.2	26.29N±.02	129.42E±.02	44	3.5		¶97iii3250
ISC	**III**	**16 20 09 03.1**±.86	**28.39N**±.079	**129.1E**±.14	**77**±21		**13**	**0-4**
JMA	III	16 20 09 03.3±.1	28.48N±.01	128.93E±.02	56	3.4		¶97iii3265
ISC	**III**	**16 20 48 04**±1.8	**30.0N**±.19	**129.9E**±.41	**28**		**4**	**0-2**
JMA	III	16 20 48 03.8±.2	29.98N±.02	129.88E±.03	28±3	3.1		¶97iii3267
ISC		Poorly determined						
JMA	**III**	**17 05 26 20.0**±.4	**28.26N**±.03	**130.31E**±.03	**42**±3	**2.8**		¶97iii3327
ISC	**III**	**17 08 40 29**±1.5	**28.60N**±.091	**128.3E**±.16	**154**±28		**13**	**1-4**
JMA	III	17 08 40 29.9±.2	28.63N±.02	128.24E±.03	142			¶97iii3347
ISC	**III**	**17 17 12 27**±1.4	**28.5N**±.11	**129.6E**±.16	**20**		**4**	**0-1**
JMA	III	17 17 12 26.8±.1	28.54N±.01	129.55E±.01	20±2	2.8		¶97iii3406
ISC		Poorly determined						
ISC	**III**	**17 21 07 50**±2.6	**29.14N**±.090	**129.6E**±.40	**2**±25		**5**	**1-1**
JMA	III	17 21 07 50.7±.2	29.13N±.00	129.55E±.02	7±3	3.2		¶97iii3434
ISC		Poorly determined						
ISC	**III**	**18 03 35 39.3**±.44	**28.62N**±.053	**128.6E**±.11	**154**±7.1	**3.4b**	**27**	**1-76**
EIDC	III	18 03 35 22.9	28.8N	128.5E	0	3.7b		¶97iii3482
JMA	III	18 03 35 40.0±.1	28.67N±.01	128.60E±.03	137			
JMA	**III**	**18 22 01 57.9**±.5	**26.64N**±.02	**129.58E**±.04	**41**	**2.8**		¶97iii3595
ISC	**III**	**19 13 07 50.9**±.81	**29.64N**±.061	**129.6E**±.14	**169**±13		**34**	**0-7**
JMA	III	19 13 07 52.0±.1	29.67N±.02	129.57E±.05	154			¶97iii3712
ISC	**III**	**19 17 33 18**±1.4	**27.29N**±.083	**129.1E**±.11	**24**±17		**9**	**1-3**
JMA	III	19 17 33 19.3±.1	27.45N±.03	128.89E±.04	39	3.5		¶97iii3740
ISC	**III**	**19 22 09 21**±2.9	**28.5N**±.12	**128.7E**±.26	**12**		**4**	**1-2**
JMA	III	19 22 09 20.5±.3	28.55N±.01	128.65E±.02	12±5	3.4		¶97iii3773
ISC		Poorly determined						
ISC	**III**	**20 08 21 31**±1.5	**29.8N**±.11	**130.5E**±.21	**48**±52		**9**	**1-3**
JMA	III	20 08 21 30.9±.2	29.75N±.02	130.50E±.03	58	3.1		¶97iii3869
ISC	**III**	**20 12 37 29**±1.0	**27.81N**±.035	**130.16E**±.040	**29**±8.4	**4.2b,4.0s**	**108**	**1-94**
BJI	III	20 12 37 28.3	27.89N	130.39E	46	4.4b,4.1s		¶97iii3894
JMA	III	20 12 37 28.8±.1	27.81N±.01	130.10E±.02	54±3	3.9		
NEIC	III	20 12 37 29.6	27.84N	130.20E	34	4.7b		
MOS	III	20 12 37 30.1	27.8N	130.2E	33	4.7b		
EIDC	III	20 12 37 31.5	27.8N	130.3E	31	3.8b,3.8L		
ISC	**III**	**20 15 58 44**±2.3	**27.9N**±.18	**130.1E**±.29	**53**±29		**13**	**0-4**
JMA	III	20 15 58 44.5±.2	27.91N±.02	130.12E±.03	56±2	3.2		¶97iii3916
ISC	**III**	**21 01 19 10**±2.0	**26.1N**±.35	**127.5E**±.14	**14**±24		**6**	**0-2**
JMA	III	21 01 19 09.6±.2	26.11N±.02	127.50E±.01	20±2	3.2		¶97iii3979
ISC	**III**	**21 05 53 36**±3.3	**25.1N**±.28	**128.2E**±.16	**44**		**5**	**2-3**
JMA	III	21 05 53 36.9±.9	25.26N±.07	128.19E±.04	44	3.3		¶97iii4007
ISC	**III**	**21 13 47 41**±1.5	**27.46N**±.052	**130.14E**±.075	**25**±12	**3.5b**	**27**	**1-79**
BJI	III	21 13 47 41.2	27.49N	130.12E	34	4.0s		¶97iii4081
JMA	III	21 13 47 41.3±.1	27.44N±.01	130.15E±.01	70±5			
NEIC	III	21 13 47 42.5	27.46N	130.07E	33	3.2b		
EIDC	III	21 13 47 44.4	27.5N	130.0E	31	3.4b,3.2L		
NEIC		Less reliable solution.						
ISC	**III**	**21 14 18 10**±1.1	**27.44N**±.094	**130.1E**±.13	**64**		**7**	**1-3**
JMA	III	21 14 18 09.5±.3	27.44N±.02	130.13E±.03	64			¶97iii4082
JMA	**III**	**21 18 34 05.1**±.8	**28.04N**±.05	**130.52E**±.07	**69**			¶97iii4116
ISC	**III**	**21 18 53 03**±1.8	**26.1N**±.18	**127.50E**±.094	**17**		**5**	**0-1**
JMA	III	21 18 53 02.9±.3	26.15N±.03	127.49E±.01	17±4	2.8		¶97iii4117
ISC	**III**	**21 20 13 59**±1.2	**27.43N**±.089	**130.1E**±.11	**61**±46		**10**	**1-4**
JMA	III	21 20 13 58.3±.2	27.42N±.01	130.12E±.02	56	3.1		¶97iii4124

ISC	**III**	**21 20 14 21**±1.1	**27.41N**±.081	**130.1E**±.11	**54**		**9**	**1-3**	
JMA	III	21 20 14 20.3±.2	27.41N±.01	130.12E±.02	54	3.2		**¶97iii4125**	
ISC	**III**	**21 20 17 08.4**±.94	**27.49N**±.076	**130.1E**±.10	**68**		**10**	**1-4**	
JMA	III	21 20 17 08.1±.1	27.46N±.01	130.14E±.02	68			**¶97iii4127**	
ISC	**III**	**23 04 57 51**±3.2	**27.4N**±.28	**128.9E**±.40	**20**±26		**5**	**0-2**	
JMA	III	23 04 57 50.6±.2	27.37N±.02	128.95E±.02	22±3	3.1		**¶97iii4394**	
ISC	Poorly determined								
JMA	**III**	**23 05 21 50.1**±.3	**28.21N**±.03	**130.33E**±.02	**41**±3	**3.0**		**¶97iii4398**	
ISC	**III**	**24 02 41 12**±8.9	**26.3N**±.36	**128.3E**±.60	**4**		**4**	**1-1**	
JMA	III	24 02 41 11.3±.4	26.27N±.02	128.34E±.04	4±4	3.0		**¶97iii4513**	
ISC	Poorly determined								
ISC	**III**	**24 05 51 08**±3.0	**27.9N**±.25	**129.9E**±.39	**68**		**5**	**0-2**	
JMA	III	24 05 51 07.6±.2	27.92N±.03	129.89E±.02	68±4			**¶97iii4536**	
ISC	**III**	**24 11 55 42**±5.4	**26.6N**±.32	**126.3E**±.57	**105**		**5**	**1-3**	
JMA	III	24 11 55 42.5±.5	26.56N±.04	126.38E±.03	105±5			**¶97iii4564**	
ISC	**III**	**24 15 47 43**±1.2	**29.07N**±.089	**130.1E**±.23	**60**±29		**12**	**1-4**	
JMA	III	24 15 47 43.2±.2	29.07N±.02	130.07E±.05	65±5			**¶97iii4583**	
ISC	**III**	**24 17 56 56**±6.0	**28.9N**±.53	**128.0E**±.41	**146**		**7**	**1-3**	
JMA	III	24 17 56 54.8±.4	29.04N±.04	127.96E±.03	146			**¶97iii4601**	
ISC	**III**	**24 19 31 19.5**±.71	**28.47N**±.071	**129.1E**±.14	**85**±19		**18**	**0-5**	
JMA	III	24 19 31 19.6±.1	28.60N±.01	128.86E±.02	55	3.3		**¶97iii4609**	
ISC	**III**	**24 21 53 40**±1.1	**26.08N**±.045	**128.71E**±.051	**23**±7.5	**4.4b,4.5s**	**60**	**1-86**	
EIDC	III	24 21 53 38.6	26.1N	128.8E	0	4.3b,4.0L		**¶97iii4623**	
JMA	III	24 21 53 40.2±.2	26.05N±.02	128.72E±.02	66±4	4.3			
BJI	III	24 21 53 40.3	26.20N	128.81E	31	4.6b,4.4s			
NEIC	III	24 21 53 41.5	26.13N	128.80E	33	4.7b			
MOS	III	24 21 53 42.1	26.1N	128.7E	33	4.9b			
ISC	**III**	**24 22 19 58**±1.2	**26.1N**±.14	**128.73E**±.093	**59**		**7**	**1-2**	
JMA	III	24 22 19 58.2±.2	26.08N±.02	128.72E±.02	59	3.2		**¶97iii4628**	
ISC	**III**	**24 22 51 50**±5.0	**27.8N**±.39	**130.1E**±.34	**54**		**6**	**1-4**	
JMA	III	24 22 51 50.5±.4	27.81N±.04	130.05E±.04	54±4	3.0		**¶97iii4634**	
ISC	**III**	**25 08 40 07**±1.9	**26.11N**±.083	**128.73E**±.076	**26**±16	**3.8b**	**16**	**1-80**	
JMA	III	25 08 40 06.8±.2	26.08N±.02	128.74E±.01	50	3.6		**¶97iii4698**	
ISC	**III**	**25 09 21 04.0**±.75	**25.29N**±.066	**128.0E**±.13	**79**	**3.7b**	**16**	**1-58**	
JMA	III	25 09 21 02.9±.4	25.20N±.03	128.04E±.02	79			**¶97iii4702**	
EIDC	III	25 09 21 11.2	24.1N	127.8E	43	3.6b			
ISC	**III**	**25 20 31 00**±4.9	**27.5N**±.23	**127.4E**±.30	**152**±43		**8**	**1-4**	
JMA	III	25 20 31 01.2±.4	27.54N±.03	127.40E±.04	136			**¶97iii4782**	
JMA	**III**	**26 01 55 01.7**±.2	**27.97N**±.03	**129.54E**±.03	**64**			**¶97iii4825**	
ISC	**III**	**26 04 18 00**±5.4	**24.3N**±.10	**126.55E**±.073	**11**±36	**3.7b**	**19**	**1-81**	
EIDC	III	26 04 17 59.0	24.4N	126.6E	0	3.6b		**¶97iii4839**	
JMA	III	26 04 18 01.1±.4	24.20N±.04	126.54E±.02	78				
ISC	**III**	**26 20 36 40**±1.3	**26.2N**±.15	**127.8E**±.15	**26**±11	2.9b	**6**	**0-79**	
JMA	III	26 20 36 40.8±.3	26.26N±.03	127.76E±.02	24±3	3.2		**¶97iii5075**	
ISC	**III**	**27 07 14 10**±2.6	**27.8N**±.17	**130.2E**±.27	**50**		**10**	**1-3**	
JMA	III	27 07 14 09.3±.2	27.78N±.02	130.21E±.03	50±4	3.6		**¶97iii5163**	
ISC	**III**	**27 10 05 51**±1.4	**26.3N**±.20	**127.1E**±.13	**51**		**5**	**0-1**	
JMA	III	27 10 05 51.2±.4	26.30N±.03	127.13E±.02	51±5	3.2		**¶97iii5191**	
JMA	**III**	**27 23 03 52.0**±.3	**27.98N**±.02	**130.17E**±.03	**47**	**3.0**		**¶97iii5327**	
JMA	**III**	**27 23 22 45.4**±.2	**27.48N**±.01	**128.68E**±.01	**41**±3	**2.9**		**¶97iii5331**	
ISC	**III**	**29 10 27 44**±2.5	**25.65N**±.048	**128.82E**±.060	**9**±15	**4.3b,3.7s**	**50**	**1-93**	
JMA	III	29 10 27 45.5±.4	25.66N±.03	128.81E±.03	76			**¶97iii5571**	
BJI	III	29 10 27 46.2	25.78N	128.82E	31	4.4b,4.1s			
NEIC	III	29 10 27 47.4	25.71N	128.91E	33	4.4b			
MOS	III	29 10 27 47.8	25.7N	128.9E	33	4.9b			
EIDC	III	29 10 27 50.0	25.7N	128.9E	38	4.0b,3.5s			
ISC	**III**	**29 19 34 30**±1.4	**28.3N**±.17	**129.5E**±.25	**31**±16		**5**	**0-4**	
JMA	III	29 19 34 29.5±.1	28.36N±.01	129.46E±.01	35±2	3.0		**¶97iii5637**	
ISC	Poorly determined								
ISC	**III**	**29 23 49 04**±1.3	**27.9N**±.61	**129.1E**±.76	**36**		**5**	**0-1**	
JMA	III	29 23 49 03.4±.2	27.99N±.04	128.92E±.04	36±3	3.1		**¶97iii5663**	
ISC	Poorly determined								
ISC	**III**	**30 09 16 21**±1.5	**29.5N**±.11	**130.6E**±.26	**71**±42		**9**	**1-3**	
JMA	III	30 09 16 20.9±.2	29.46N±.02	130.60E±.04	73			**¶97iii5733**	
ISC	**III**	**30 16 17 39**±1.3	**26.4N**±.27	**129.3E**±.13	**50**		**5**	**1-2**	
JMA	III	30 16 17 38.8±.1	26.43N±.03	129.26E±.02	50	2.8		**¶97iii5775**	
ISC	**III**	**30 16 45 09**±4.3	**28.0N**±.34	**130.1E**±.37	**41**		**4**	**0-4**	
JMA	III	30 16 45 07.0±.4	27.94N±.03	130.18E±.03	41±4	3.0		**¶97iii5777**	
ISC	Poorly determined								
ISC	**III**	**30 18 11 00**±1.5	**28.3N**±.30	**129.5E**±.28	**41**		**4**	**0-2**	
JMA	III	30 18 10 59.7±.2	28.24N±.03	129.46E±.02	41±3	3.1		**¶97iii5782**	
ISC	Poorly determined								
ISC	**III**	**30 19 13 14**±2.0	**29.19N**±.036	**130.86E**±.044	**5**±14	**4.0b,4.2s**	**78**	**1-93**	
BJI	III	30 19 13 16.1	28.70N	131.26E	58	4.4b,4.2s		**¶97iii5788**	
JMA	III	30 19 13 17.6±.2	29.27N±.01	130.66E±.03	68				
NEIC	III	30 19 13 18.3	29.22N	131.16E	33	4.3b,4.2s			
EIDC	III	30 19 13 21.4	29.3N	131.2E	46	3.6b,3.3L			
NEIC	Less reliable solution.								
ISC	**III**	**30 22 37 31**±2.0	**29.4N**±.13	**130.8E**±.20	**19**		**5**	**1-2**	
JMA	III	30 22 37 30.1±.1	29.38N±.01	130.81E±.01	19	3.0		**¶97iii5815**	
ISC	**III**	**30 22 58 40.4**±.83	**29.38N**±.056	**130.7E**±.15	**76**		**14**	**1-4**	
JMA	III	30 22 58 41.1±.1	29.43N±.01	130.63E±.03	76			**¶97iii5817**	
ISC	**III**	**31 14 36 23**±1.4	**29.30N**±.096	**130.4E**±.34	**54**±62		**8**	**1-3**	
JMA	III	31 14 36 22.4±.2	29.30N±.01	130.33E±.04	69			**¶97iii5894**	
JMA	**III**	**31 15 53 48.5**±.2	**29.26N**±.00	**130.60E**±.02	**10**±3	**3.4**		**¶97iii5902**	
JMA	**III**	**31 19 20 57.8**±.3	**27.89N**±.02	**130.24E**±.03	**62**			**¶97iii5919**	
ISC	**III**	**31 20 22 45**±1.6	**28.8N**±.10	**129.9E**±.29	**25**		**4**	**0-1**	
JMA	III	31 20 22 44.8±.1	28.83N±.01	129.83E±.03	25	2.9		**¶97iii5930**	
ISC	Poorly determined								
ISC	**IV**	**01 03 20 29**±1.1	**28.86N**±.073	**129.9E**±.18	**17**±14	3.1b	**11**	**1-76**	
JMA	IV	01 03 20 28.9±.2	28.87N±.02	129.90E±.04	26±4	3.7		**¶97iv0017**	
ISC	**IV**	**01 05 06 44**±3.9	**28.9N**±.17	**128.7E**±.53	**122**		**5**	**1-3**	
JMA	IV	01 05 06 44.5±.5	28.86N±.03	128.66E±.07	122			**¶97iv0021**	
ISC	**IV**	**01 08 49 34**±2.0	**28.0N**±.11	**130.4E**±.14	**25**±22		**7**	**0-3**	
JMA	IV	01 08 49 34.2±.3	28.02N±.02	130.38E±.02	39±5	3.3		**¶97iv0042**	
ISC	**IV**	**01 21 52 04.8**±.53	**25.73N**±.089	**126.75E**±.080	**63**±6.2	**3.7b**	**24**	**1-85**	
EIDC	IV	01 21 51 58.5	25.8N	126.8E	0	3.7b		**¶97iv0144**	
NEIC	IV	01 21 52 01.5	25.78N	126.88E	33	3.8b			
JMA	IV	01 21 52 04.6±.1	25.79N±.03	126.71E±.02	75±4				
NEIC	Poor solution.								
ISC	**IV**	**03 02 07 31.1**±.77	**28.83N**±.039	**130.13E**±.053	**27**±7.6	**3.9b**,4.3s	**64**	**1-90**	
JMA	IV	03 02 07 31.4±.2	28.85N±.02	129.99E±.04	41±5	3.7		**¶97iv0364**	
NEIC	IV	03 02 07 32.0	28.86N	130.26E	33	4.2b			
BJI	IV	03 02 07 32.3	28.56N	129.89E	28	4.4b,4.0s			
EIDC	IV	03 02 07 35.3	28.9N	130.2E	42	3.6b,3.7L			
NEIC	Less reliable solution.								
ISC	**IV**	**03 08 32 50**±2.2	**29.1N**±.11	**130.0E**±.47	**29**		**4**	**1-2**	
JMA	IV	03 08 32 50.8±.1	29.09N±.01	129.93E±.03	29	2.9		**¶97iv0399**	
ISC	Poorly determined								
ISC	**IV**	**03 09 58 03**±1.0	**26.3N**±.10	**129.63E**±.084	**43**		**9**	**1-3**	
JMA	IV	03 09 58 01.9±.2	26.32N±.02	129.64E±.01	43	3.7		**¶97iv0409**	
ISC	**IV**	**05 01 10 43**±3.1	**25.4N**±.23	**127.7E**±.14	**45**		**10**	**1-5**	
JMA	IV	05 01 10 42.8±.5	25.41N±.04	127.69E±.02	45±5	3.8		**¶97iv0675**	
ISC	**IV**	**05 04 39 22**±1.7	**28.0N**±.28	**129.5E**±.25	**20**±33		**5**	**0-2**	
JMA	IV	05 04 39 21.7±.3	27.98N±.04	129.46E±.05	26	3.2		**¶97iv0693**	
ISC	Poorly determined								
JMA	**IV**	**05 08 58 29.9**±.1	**28.76N**±.00	**128.54E**±.00	**30**±2	**3.3**		**¶97iv0740**	
ISC	**IV**	**05 10 17 17.2**±.89	**28.65N**±.070	**128.6E**±.10	**47**±11	**3.6b**	**15**	**1-91**	
JMA	IV	05 10 17 14.6±.4	28.65N±.02	128.48E±.03	8	3.7		**¶97iv0750**	
EIDC	IV	05 10 17 15.1	28.7N	130.0E	0	3.5b,3.7L			
BJI	IV	05 10 17 15.7	28.65N	128.73E	32	4.3b			
NEIC	IV	05 10 17 15.7	28.70N	128.90E	33	3.5b			
NEIC	Poor solution.								
ISC	**IV**	**05 10 58 53**±3.9	**28.6N**±.26	**128.6E**±.17	**0**		**5**	**1-2**	
JMA	IV	05 10 58 52.0±.9	28.67N±.05	128.50E±.04	0	3.4		**¶97iv0758**	
ISC	**IV**	**05 14 01 17**±1.7	**25.9N**±.15	**126.6E**±.21	**65**±14	**3.3b**	**10**	**0-79**	
EIDC	IV	05 14 01 16.3	25.5N	130.1E	0	3.4b		**¶97iv0782**	
JMA	IV	05 14 01 17.9±.4	26.13N±.03	126.64E±.03	68±3				
ISC	**IV**	**05 15 09 24**±1.4	**28.6N**±.10	**128.7E**±.13	**43**±14	**3.5b**	**14**	**1-76**	
JMA	IV	05 15 09 19.2±.9	28.73N±.05	128.50E±.04	0	3.4		**¶97iv0794**	
NEIC	IV	05 15 09 22.6	28.62N	128.89E	33	4.1b			
EIDC	IV	05 15 09 35.2	28.6N	128.9E	131	3.1b			
NEIC	Less reliable solution.								
ISC	**IV**	**05 15 23 17**±1.4	**28.9N**±.12	**128.5E**±.14	**0**	**3.5b**	**9**	**1-76**	
EIDC	IV	05 15 23 17.6	28.8N	127.8E	0	3.3b		**¶97iv0795**	
JMA	IV	05 15 23 21.4±.4	28.66N±.02	128.59E±.02	0	3.3			
JMA	**IV**	**05 15 35 21.2**±.9	**28.67N**±.04	**128.55E**±.04	**0**	**3.1**		**¶97iv0797**	
ISC	**IV**	**05 15 56 56.3**±.46	**28.64N**±.035	**128.63E**±.059	**58**±6.3	**4.1b,4.1s**	**54**	**1-91**	
JMA	IV	05 15 56 52.6±.2	28.64N±.01	128.54E±.02	0	3.5		**¶97iv0801**	
MOS	IV	05 15 56 53.4	28.7N	128.8E	33	4.8b			
NEIC	IV	05 15 56 53.5	28.74N	128.67E	33	4.4b			
BJI	IV	05 15 56 54.3	28.49N	128.52E	34	4.3L,4.3b			
EIDC	IV	05 15 57 01.2	28.9N	129.0E	87	3.6b,3.7s			
BJI	Ms4.2								
ISC	**IV**	**05 16 45 03.8**±.49	**28.78N**±.062	**128.49E**±.070	**0**	**3.8b**	**25**	**1-91**	
JMA	IV	05 16 45 06.4±.3	28.66N±.02	128.54E±.02	0	3.4		**¶97iv0806**	
NEIC	IV	05 16 45 07.2	28.81N	128.57E	33	4.2b			
BJI	IV	05 16 45 08.7	28.99N	128.31E	8	4.6b			
EIDC	IV	05 16 45 25.9	28.9N	128.4E	187	3.2b			
NEIC	Less reliable solution.								
ISC	**IV**	**05 17 12 05.3**±.82	**28.68N**±.061	**128.65E**±.080	**40**±11	**3.8b,**3.7s	**22**	**1-91**	
JMA	IV	05 17 12 01.7±.4	28.74N±.02	128.49E±.03	9	4.0		**¶97iv0812**	
NEIC	IV	05 17 12 04.4	28.72N	128.72E	33	3.7b			
BJI	IV	05 17 12 04.7	28.35N	128.75E	46	4.4b,4.6s			
EIDC	IV	05 17 12 08.4	28.8N	128.9E	48	3.4b,3.6s			
NEIC	Less reliable solution.								
ISC	**IV**	**05 17 13 14.6**±.50	**28.72N**±.037	**128.72E**±.049	**47**±7.1	**4.1b,4.2s**	**60**	**1-92**	
JMA	IV	05 17 13 10.8±.3	28.71N±.02	128.52E±.02	0	4.0		**¶97iv0813**	
NEIC	IV	05 17 13 13.1	28.69N	128.58E	33	4.3b			
MOS	IV	05 17 13 14.0	28.6N	128.5E	33	4.5b			
BJI	IV	05 17 13 14.2	28.52N	128.56E	37	4.6L,4.5b			
EIDC	IV	05 17 13 21.0	28.8N	128.8E	88	3.6b,3.3s			
NEIC	Less reliable solution.								
BJI	Ms4.5								
ISC	**IV**	**05 19 56 19**±1.4	**28.72N**±.091	**128.6E**±.13	**5**		**6**	**1-3**	
JMA	IV	05 19 56 18.8±.4	28.75N±.02	128.50E±.02	5±4	3.6		**¶97iv0840**	
ISC	**IV**	**05 20 09 57**±1.7	**28.9N**±.13	**128.5E**±.14	**0**	3.3b	**6**	**1-76**	
JMA	IV	05 20 10 00.2±.8	28.65N±.05	128.60E±.03	0	3.0		**¶97iv0843**	
ISC	**IV**	**05 20 37 41.4**±.66	**28.72N**±.021	**128.58E**±.025	**19**±5.0	**5.3b,5.2s**	**363**	**2-174**	
JMA	IV	05 20 37 38.3±.1	28.75N±.01	128.49E±.02	0	5.5		**¶97iv0850**	
MOS	IV	05 20 37 42.8	28.7N	128.6E	33	5.7b,5.4s			
BJI	IV	05 20 37 43.0	28.69N	128.51E	33	5.7L,5.4b			
NEIC	IV	05 20 37 43.1	28.73N	128.54E	33	5.4b,5.3s			
HRVD	IV	05 20 37 43.3±.2	28.67N±.03	128.28E±.04	15				
EIDC	IV	05 20 37 45.7	28.7N	128.6E	46	4.7b,4.3s			
BJI	Ms5.6								
NEIC	Mw5.5(HRV).								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c62; Half duration: 1$\mathfrak{s}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.77±.07; $M_{\theta\theta}$1.61±.05; $M_{\phi\phi}$0.17±.10; $M_{r\theta}$0.74±.26; $M_{r\phi}$0.06±.18; $M_{\theta\phi}$0.40±.06. Principal Axes: T 1.86,Plg11°,Azm346°; N 0.07, Plg3°,Azm77°; P −1.93,Plg78°,Azm183°. Best double couple: $M_0$1.9×10^{17}Nm, NP1:ϕ_s72°, δ34°,λ−96°. NP2:ϕ_s259°,δ57°,λ−86°.								
ISC	**IV**	**05 20 51 57.0**±.74	**28.70N**±.023	**128.72E**±.030	**30**±5.7	**5.1b,5.2s**	**262**	**1-174**	
JMA	IV	05 20 51 53.4±.2	28.77N±.01	128.56E±.02	6	5.3		**¶97iv0853**	
MOS	IV	05 20 51 56.8	28.8N	128.7E	33	5.7b,5.5s			
BJI	IV	05 20 51 57.2	28.53N	128.68E	40	5.4L,5.3b			
NEIC	IV	05 20 51 57.2	28.76N	128.60E	33	5.2b			
EIDC	IV	05 20 51 59.8	28.8N	128.7E	42	4.5b,3.7L			
BJI	Ms5.4								
ISC	**IV**	**05 22 34 57.1**±.46	**28.69N**±.039	**128.78E**±.061	**57**±6.5	**4.1b,**4.1s	**86**	**1-92**	
JMA	IV	05 22 34 53.9±.3	28.80N±.02	128.56E±.03	19	3.7		**¶97iv0868**	
EIDC	IV	05 22 34 54.4	28.8N	128.3E	18	3.9b,3.7L			
NEIC	IV	05 22 34 55.0	28.76N	128.53E	33	4.2b			
BJI	IV	05 22 34 57.5	28.65N	128.61E	39	4.3L,4.5b			
BJI	Ms4.2								
ISC	**IV**	**06 00 24 32.5**±.74	**28.52N**±.072	**128.84E**±.086	**51**±9.3	**3.9b**	**18**	**1-91**	
JMA	IV	06 00 24 26.4±.8	28.77N±.05	128.48E±.03	7	3.6		**¶97iv0891**	
BJI	IV	06 00 24 34.8	28.82N	128.96E	100	4.3b			
NEIC	IV	06 00 24 38.9	28.58N	129.83E	100	4.1b			
EIDC	IV	06 00 24 39.7	28.6N	129.7E	88	3.4b			
NEIC	Less reliable solution.								
ISC	**IV**	**06 00 34 21**±5.4	**28.7N**±.38	**128.5E**±.24	**7**		**5**	**1-2**	
JMA	IV	06 00 34 20.3±.6	28.74N±.03	128.47E±.03	7	3.5		**¶97iv0892**	
JMA	**IV**	**06 00 56 20.5**±.7	**28.71N**±.03	**128.61E**±.04	**0**	**2.9**		**¶97iv0894**	
ISC	**IV**	**06 01 35 01.8**±.43	**28.59N**±.036	**128.82E**±.073	**56**±7.0	**3.7b**	**44**	**1-91**	
JMA	IV	06 01 34 57.0±.2	28.74N±.01	128.56E±.03	0	3.6		**¶97iv0899**	
BJI	IV	06 01 34 59.0	28.33N	128.32E	16	4.0L,4.3b			
NEIC	IV	06 01 34 59.8	28.60N	128.56E	33				
EIDC	IV	06 01 35 06.9	28.8N	128.8E	86	3.4b			
BJI	Ms3.8								
NEIC	Less reliable solution.								
ISC	**IV**	**06 01 52 11**±5.0	**28.6N**±.37	**128.6E**±.21	**7**		**6**	**1-3**	
JMA	IV	06 01 52 09.3±.8	28.75N±.05	128.46E±.03	7	3.3		**¶97iv0905**	
ISC	**IV**	**06 02 02 40**±3.7	**28.6N**±.25	**128.7E**±.17	**0**		**5**	**1-2**	
JMA	IV	06 02 02 38.9±.4	28.67N±.02	128.59E±.02	0	3.3		**¶97iv0908**	
JMA	**IV**	**06 04 12 03.6**±.8	**28.56N**±.03	**128.67E**±.04	**0**	**2.9**		**¶97iv0922**	
ISC	**IV**	**06 05 55 51**±2.1	**28.7N**±.11	**128.6E**±.23	**41**±18	**3.6b**	**10**	**1-76**	
JMA	IV	06 05 55 47.6±.7	28.76N±.03	128.50E±.06	2	3.5		**¶97iv0939**	
EIDC	IV	06 05 55 51.8	28.4N	131.3E	0	3.5b			
JMA	**IV**	**06 06 23 15.5**±.9	**28.66N**±.04	**128.73E**±.04	**0**	**3.1**		**¶97iv0947**	

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**06 08 12 10**±1.7	**28.6N**±.11	**128.6E**±.14	**1**		**6**	**1-2**
JMA	IV	06 08 12 10.0±.5	28.67N±.02	128.53E±.02	1±5	3.6		**¶97iv0965**
ISC	**IV**	**06 14 32 58**±5.9	**27.9N**±.27	**130.2E**±.64	**68**		**6**	**0-3**
JMA	IV	06 14 32 58.0±.6	27.89N±.03	130.15E±.07	68			**¶97iv1009**
ISC	**IV**	**06 17 08 59.1**±.44	**28.67N**±.033	**128.66E**±.049	**48**±5.5	**4.1b,4.0s**	**81**	**1-94**
BJI	IV	06 17 08 55.1	28.46N	128.60E	21	4.4L,4.5b		**¶97iv1024**
JMA	IV	06 17 08 55.2±.2	28.66N±.01	128.51E±.02	2	4.3		
NEIC	IV	06 17 08 57.4	28.71N	128.47E	33	4.4b		
MOS	IV	06 17 08 57.8	28.7N	128.8E	33	4.7b		
EIDC	IV	06 17 08 59.8	28.8N	129.0E	39	3.8b,3.4L		
BJI		Ms4.3						
NEIC		Less reliable solution.						
ISC	**IV**	**06 19 07 17**±4.1	**28.6N**±.32	**128.6E**±.19	**13**		**8**	**1-3**
JMA	IV	06 19 07 15.7±.5	28.70N±.03	128.50E±.03	13	3.2		**¶97iv1041**
ISC	**IV**	**06 20 52 47**±1.7	**28.6N**±.11	**128.7E**±.14	**9**		**6**	**1-2**
JMA	IV	06 20 52 46.6±.3	28.64N±.02	128.59E±.02	9	3.2		**¶97iv1052**
ISC	**IV**	**06 21 11 59**±3.0	**28.5N**±.22	**128.6E**±.16	**4**		**7**	**1-2**
JMA	IV	06 21 11 56.6±.5	28.68N±.03	128.53E±.03	4	3.4		**¶97iv1056**
ISC	**IV**	**06 21 28 12.9**±.52	**28.52N**±.047	**128.74E**±.067	**53**±7.2	**4.0b**,4.1s	**35**	**1-92**
BJI	IV	06 21 28 09.8	28.34N	128.50E	16	3.7L,4.2b		**¶97iv1059**
NEIC	IV	06 21 28 10.4	28.68N	128.89E	33	4.2b		
JMA	IV	06 21 28 11.3±.3	28.53N±.02	128.67E±.02	17	3.4		
EIDC	IV	06 21 28 16.8	28.7N	129.4E	67	3.7b		
BJI		Ms4.0						
NEIC		Less reliable solution.						
ISC	**IV**	**07 04 44 30**±1.8	**27.9N**±.17	**130.3E**±.19	**33**±24		**6**	**0-3**
JMA	IV	07 04 44 29.3±.1	27.87N±.01	130.24E±.01	37	3.2		**¶97iv1105**
ISC	**IV**	**07 10 43 11**±1.5	**28.0N**±.30	**129.0E**±.30	**35**		**5**	**0-3**
JMA	IV	07 10 43 10.4±.2	28.03N±.03	128.87E±.03	35	3.1		**¶97iv1142**
ISC	**IV**	**07 11 33 45**±1.5	**25.8N**±.18	**128.5E**±.11	**53**		**6**	**1-2**
JMA	IV	07 11 33 44.5±.3	25.86N±.02	128.50E±.02	53	2.9		**¶97iv1150**
ISC	**IV**	**07 16 07 19**±1.8	**28.7N**±.12	**128.6E**±.15	**9**		**6**	**1-2**
JMA	IV	07 16 07 18.0±.3	28.76N±.02	128.56E±.02	9	3.3		**¶97iv1185**
ISC	**IV**	**07 18 42 24**±1.2	**29.23N**±.084	**130.5E**±.22	**63**		**9**	**1-3**
JMA	IV	07 18 42 23.5±.1	29.23N±.01	130.47E±.03	63±4			**¶97iv1208**
ISC	**IV**	**07 19 36 29**±1.1	**29.20N**±.083	**130.5E**±.20	**55**		**12**	**1-4**
JMA	IV	07 19 36 28.2±.1	29.19N±.01	130.54E±.03	55±5	3.0		**¶97iv1211**
JMA	**IV**	**08 00 16 10.8**±.1	**28.08N**±.01	**130.27E**±.01	**27**±2	**2.8**		**¶97iv1248**
ISC	**IV**	**08 03 41 03**±3.1	**27.4N**±.41	**127.6E**±.34	**105**		**4**	**0-1**
JMA	IV	08 03 41 02.7±.3	27.40N±.04	127.59E±.03	105			**¶97iv1272**
ISC		Poorly determined						
ISC	**IV**	**08 11 31 05**±1.1	**29.73N**±.084	**130.5E**±.20	**67**±28		**11**	**1-3**
JMA	IV	08 11 31 05.4±.1	29.74N±.01	130.49E±.04	68			**¶97iv1326**
JMA	**IV**	**08 12 25 28.3**±.1	**28.90N**±.00	**129.90E**±.00	**13**±1	**2.8**		**¶97iv1333**
JMA	**IV**	**08 20 21 43.3**±.6	**28.80N**±.03	**128.53E**±.03	**0**	**2.8**		**¶97iv1398**
ISC	**IV**	**08 21 09 13**±1.5	**26.3N**±.33	**127.8E**±.21	**11**±37		**6**	**0-2**
JMA	IV	08 21 09 12.9±.1	26.32N±.01	127.79E±.01	16±2	3.4		**¶97iv1406**
ISC		Poorly determined						
JMA	**IV**	**08 22 11 32.8**±.8	**28.64N**±.03	**128.75E**±.04	**0**	**3.2**		**¶97iv1418**
ISC	**IV**	**09 06 38 07**±3.3	**28.0N**±.51	**128.7E**±.58	**81**		**4**	**0-1**
JMA	IV	09 06 38 06.5±.2	27.97N±.03	128.72E±.04	81			**¶97iv1467**
ISC		Poorly determined						
ISC	**IV**	**09 07 02 47**±1.1	**26.09N**±.026	**128.57E**±.027	**3**±6.2	**5.3b,5.4s**	**327**	**1-169**
JMA	IV	09 07 02 49.1±.2	26.02N±.02	128.63E±.02	65	5.5		**¶97iv1469**
BJI	IV	09 07 02 50.0	26.13N	128.54E	33	5.3b,5.7s		
MOS	IV	09 07 02 51.0	26.2N	128.6E	33	5.9b,6.0s		
NEIC	IV	09 07 02 51.5	26.09N	128.52E	33	5.4b,5.1s		
EIDC	IV	09 07 02 51.7	26.0N	128.5E	27	4.8b,4.3s		
HRVD	IV	09 07 02 52.8±.2	25.97N±.04	128.44E±.05	19±2.1			
NEIC		Mw5.5(HRV).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c48; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.05; $M_{\theta\theta}$−0.44±.05; $M_{\phi\phi}$−0.58±.07; $M_{r\theta}$1.17±.17; $M_{r\phi}$0.96±.16; $M_{\theta\phi}$−0.65±.05. Principal Axes: T 1.80,Plg62°,Azm327°; N 0.13, Plg5°,Azm227°; P −1.93,Plg27°,Azm135°. Best double couple: $M_0$1.9×10^{17}Nm, NP1: ϕ_S213°,δ18°,λ75°. NP2:ϕ_S49°,δ72°,λ95°.						
ISC	**IV**	**09 07 05 30**±1.6	**26.02N**±.058	**128.63E**±.078	**28**±12	**4.3b**	**30**	**1-86**
JMA	IV	09 07 05 29.9±.2	26.01N±.02	128.64E±.01	57±5	4.5		**¶97iv1470**
MOS	IV	09 07 05 30.8	25.9N	127.7E	33	5.0b		
NEIC	IV	09 07 05 30.8	26.06N	128.74E	33	4.6b		
EIDC	IV	09 07 05 32.3	26.0N	128.6E	26	4.2b,4.8L		
NEIC		Less reliable solution.						
ISC	**IV**	**09 07 18 59**±1.3	**26.0N**±.14	**128.62E**±.092	**47**		**7**	**1-2**
JMA	IV	09 07 18 59.0±.2	25.99N±.02	128.64E±.01	47	3.6		**¶97iv1473**
ISC	**IV**	**09 07 20 30**±1.8	**26.1N**±.13	**128.7E**±.11	**24**±20		**7**	**1-2**
JMA	IV	09 07 20 29.9±.1	26.06N±.01	128.68E±.01	46±5	3.2		**¶97iv1474**
ISC	**IV**	**09 07 21 31**±1.4	**26.1N**±.19	**128.6E**±.12	**60**		**5**	**1-2**
JMA	IV	09 07 21 31.3±.2	26.07N±.02	128.63E±.02	60	3.0		**¶97iv1475**
ISC	**IV**	**09 07 22 21**±1.5	**26.0N**±.24	**128.7E**±.12	**51**		**4**	**1-2**
JMA	IV	09 07 22 20.2±.1	26.03N±.01	128.66E±.01	51	3.0		**¶97iv1476**
ISC		Poorly determined						
ISC	**IV**	**09 07 42 36**±3.3	**28.7N**±.13	**128.6E**±.26	**0**		**4**	**1-2**
JMA	IV	09 07 42 35.8±.7	28.76N±.02	128.54E±.06	0	3.5		**¶97iv1478**
ISC		Poorly determined						
ISC	**IV**	**09 10 39 51**±1.3	**26.0N**±.16	**128.7E**±.10	**54**		**6**	**1-2**
JMA	IV	09 10 39 51.0±.4	26.01N±.04	128.65E±.03	54	3.2		**¶97iv1501**
ISC	**IV**	**09 13 46 28.7**±.54	**26.17N**±.060	**128.50E**±.074	**57**	**4.0b,4.0s**	**27**	**1-93**
EIDC	IV	09 13 46 24.5	25.8N	127.7E	0	4.0b,3.2s		**¶97iv1524**
JMA	IV	09 13 46 25.5±.2	26.01N±.02	128.63E±.01	57	4.0		
BJI	IV	09 13 46 26.6	25.91N	128.43E	39	4.2b,4.3s		
NEIC	IV	09 13 46 27.1	26.01N	128.32E	33	4.4b		
NEIC		Less reliable solution.						
ISC	**IV**	**09 14 08 50**±2.3	**26.1N**±.21	**128.7E**±.13	**65**±60		**6**	**1-2**
JMA	IV	09 14 08 50.1±.3	26.10N±.02	128.65E±.02	57	3.2		**¶97iv1528**
ISC	**IV**	**09 14 10 42**±1.4	**26.1N**±.25	**128.7E**±.13	**63**		**4**	**1-2**
JMA	IV	09 14 10 41.9±.4	26.09N±.05	128.65E±.03	63			**¶97iv1529**
ISC		Poorly determined						
ISC	**IV**	**09 14 21 27**±1.4	**26.0N**±.18	**128.7E**±.11	**36**		**6**	**1-2**
JMA	IV	09 14 21 26.7±.5	26.02N±.04	128.70E±.03	36	3.1		**¶97iv1533**
ISC	**IV**	**09 14 43 23**±1.3	**26.0N**±.12	**128.65E**±.083	**63**		**9**	**1-3**
JMA	IV	09 14 43 23.3±.4	26.03N±.04	128.65E±.03	63			**¶97iv1538**
ISC	**IV**	**09 16 45 53**±2.1	**26.1N**±.15	**128.7E**±.13	**64**±59		**7**	**1-2**
JMA	IV	09 16 45 52.4±.3	26.04N±.02	128.67E±.02	58	2.8		**¶97iv1556**
ISC	**IV**	**09 17 11 37**±8.6	**28.3N**±.43	**130.3E**±.84	**42**		**4**	**0-2**
JMA	IV	09 17 11 35.4±.3	28.26N±.01	130.40E±.02	42±2	2.9		**¶97iv1558**
ISC		Poorly determined						
ISC	**IV**	**09 20 40 30**±1.3	**26.0N**±.14	**128.64E**±.094	**57**		**7**	**1-2**
JMA	IV	09 20 40 29.5±.2	26.00N±.02	128.66E±.02	57	3.0		**¶97iv1582**
ISC	**IV**	**09 22 40 55**±1.2	**26.0N**±.14	**128.65E**±.094	**58**		**7**	**1-2**
JMA	IV	09 22 40 54.9±.1	26.03N±.01	128.67E±.01	58	3.3		**¶97iv1594**
ISC	**IV**	**10 04 13 46**±2.0	**26.0N**±.15	**128.7E**±.13	**59**±61		**7**	**1-2**
JMA	IV	10 04 13 46.2±.2	26.03N±.01	128.69E±.01	60	3.3		**¶97iv1625**
ISC	**IV**	**10 09 36 31**±1.4	**26.1N**±.20	**128.7E**±.12	**66**		**5**	**1-2**
JMA	IV	10 09 36 30.6±.4	26.08N±.03	128.65E±.03	66			**¶97iv1664**
ISC	**IV**	**10 12 16 15**±6.7	**27.1N**±.99	**129.6E**±.25	**70**		**4**	**1-3**
JMA	IV	10 12 16 14.8±.4	27.05N±.06	129.58E±.02	70			**¶97iv1688**
ISC		Poorly determined						
ISC	**IV**	**10 13 26 40**±2.0	**26.09N**±.061	**128.64E**±.060	**29**±16	**4.0b**,4.1s	**33**	**1-86**
JMA	IV	10 13 26 39.1±.2	26.05N±.02	128.67E±.02	57	4.1		**¶97iv1699**
NEIC	IV	10 13 26 40.0	26.11N	128.65E	33	4.3b		
MOS	IV	10 13 26 40.1	26.1N	128.6E	33	4.5b		
BJI	IV	10 13 26 40.2	26.01N	128.44E	34	4.2b,4.2s		
EIDC	IV	10 13 26 43.3	26.1N	128.6E	44	3.7b,3.7L		
ISC	**IV**	**10 21 03 08**±3.9	**24.3N**±.29	**126.1E**±.19	**1**		**4**	**1-2**
JMA	IV	10 21 03 05.7±.4	24.21N±.02	126.20E±.02	1±3	3.3		**¶97iv1748**
ISC		Poorly determined						
ISC	**IV**	**11 02 09 57**±1.5	**26.04N**±.079	**128.72E**±.091	**20**±13	**3.6b**	**14**	**1-86**
EIDC	IV	11 02 09 55.5	26.1N	128.6E	0	3.6b		**¶97iv1782**
JMA	IV	11 02 09 56.9±.2	26.02N±.02	128.70E±.01	61			
NEIC	IV	11 02 09 58.7	26.03N	128.66E	33			
NEIC		Poor solution.						
ISC	**IV**	**11 02 15 46**±1.2	**26.07N**±.064	**128.71E**±.067	**24**±8.8	**3.9b**,4.3s	**30**	**1-86**
BJI	IV	11 02 15 45.5	25.89N	128.38E	20	4.4b,4.3s		**¶97iv1783**
JMA	IV	11 02 15 45.6±.3	26.03N±.02	128.71E±.02	62	4.1		
NEIC	IV	11 02 15 47.0	26.05N	128.88E	33	4.1b		
EIDC	IV	11 02 16 03.7	26.0N	128.6E	169	3.4b		
NEIC		Less reliable solution.						
ISC	**IV**	**11 03 23 05**±1.2	**26.0N**±.20	**128.7E**±.11	**59**±21		**7**	**1-29**
JMA	IV	11 03 23 04.9±.2	26.02N±.02	128.68E±.02	57	3.0		**¶97iv1795**
ISC	**IV**	**11 03 23 35.5**±.98	**26.04N**±.038	**128.62E**±.045	**19**±6.9	**4.6b,4.4s**	**93**	**1-93**
JMA	IV	11 03 23 35.2±.1	25.97N±.02	128.67E±.02	66±4	4.8		**¶97iv1796**
BJI	IV	11 03 23 36.4	26.02N	128.58E	34	4.8b,4.8s		
NEIC	IV	11 03 23 37.6	26.09N	128.57E	33	4.8b,4.5s		
MOS	IV	11 03 23 37.7	26.1N	128.6E	33	5.1b		
EIDC	IV	11 03 23 38.4	26.0N	128.6E	27	4.3b,3.7s		
ISC	**IV**	**11 03 37 50**±1.3	**26.0N**±.12	**128.64E**±.083	**59**		**9**	**1-3**
JMA	IV	11 03 37 49.4±.4	26.04N±.04	128.65E±.03	59	3.3		**¶97iv1798**
ISC	**IV**	**11 05 55 01**±1.3	**26.0N**±.13	**128.70E**±.094	**56**		**7**	**1-2**
JMA	IV	11 05 55 01.0±.2	26.03N±.02	128.70E±.01	56	3.2		**¶97iv1812**
ISC	**IV**	**11 06 01 12**±1.3	**26.0N**±.15	**128.7E**±.10	**67**		**6**	**1-2**
JMA	IV	11 06 01 11.6±.3	26.04N±.02	128.70E±.02	67			**¶97iv1813**
ISC	**IV**	**11 06 21 57**±2.0	**26.1N**±.14	**128.8E**±.11	**23**±22		**6**	**1-2**
JMA	IV	11 06 21 57.2±.4	26.09N±.03	128.76E±.03	41	3.5		**¶97iv1818**
JMA	**IV**	**11 06 24 26.1**±.1	**27.90N**±.01	**129.90E**±.01	**82**±2			**¶97iv1820**
ISC	**IV**	**11 06 26 08**±2.0	**29.8N**±.20	**129.3E**±.48	**145**±38		**9**	**1-3**
								¶97iv1822
ISC	**IV**	**11 07 22 15**±1.7	**26.0N**±.17	**128.7E**±.12	**51**		**5**	**1-2**
JMA	IV	11 07 22 15.3±.3	26.02N±.03	128.67E±.02	51	3.0		**¶97iv1830**
ISC	**IV**	**11 08 33 02**±1.3	**26.0N**±.12	**128.65E**±.080	**49**		**9**	**1-3**
JMA	IV	11 08 33 02.3±.2	26.02N±.02	128.67E±.01	49	3.5		**¶97iv1843**
ISC	**IV**	**11 09 32 55**±1.4	**26.05N**±.029	**128.58E**±.030	**7**±8.5	**5.0b,5.2s**	**238**	**1-175**
JMA	IV	11 09 32 56.6±.2	26.00N±.02	128.65E±.02	59±5	5.4		**¶97iv1853**
BJI	IV	11 09 32 56.7	26.09N	128.64E	34	5.2b,5.7s		
NEIC	IV	11 09 32 58.1	26.12N	128.59E	33	5.1b,4.9s		
MOS	IV	11 09 32 58.4	26.1N	128.5E	33	5.5b,5.8s		
EIDC	IV	11 09 33 00.6	26.1N	128.5E	43	4.2b,4.1s		
HRVD	IV	11 09 33 00.7±.3	25.97N±.06	128.71E±.08	25±3.5			
NEIC		Mw5.4(HRV).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c43; Half duration: 1s2. Moment tensor: Scale 10^{16}Nm; M_{rr}7.09±.58; $M_{\theta\theta}$−3.89±.57; $M_{\phi\phi}$−3.20±.78; $M_{r\theta}$9.75±1.93; $M_{r\phi}$7.31±1.79; $M_{\theta\phi}$−6.01±.64. Principal Axes: T 13.6,Plg62°,Azm330°; N 2.4, Plg4°,Azm231°; P −16.0,Plg28°,Azm139°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S217°,δ18°,λ75°. NP2:ϕ_S53°,δ73°,λ95°.						
ISC	**IV**	**11 09 39 10**±1.2	**26.1N**±.18	**128.7E**±.10	**61**		**6**	**1-2**
JMA	IV	11 09 39 10.1±.5	26.06N±.06	128.69E±.04	61			**¶97iv1855**
ISC	**IV**	**11 09 39 31.7**±.92	**26.03N**±.069	**128.62E**±.076	**38**±9.7	**4.0b**	**23**	**1-80**
JMA	IV	11 09 39 30.3±.3	25.97N±.03	128.68E±.02	40	4.2		**¶97iv1856**
NEIC	IV	11 09 39 31.3	26.09N	128.71E	33	4.3b		
EIDC	IV	11 09 39 34.4	26.1N	128.5E	45	3.7b,3.4L		
NEIC		Less reliable solution.						
ISC	**IV**	**11 09 50 02**±1.3	**26.0N**±.12	**128.65E**±.083	**62**		**9**	**1-3**
JMA	IV	11 09 50 02.5±.2	26.03N±.02	128.64E±.02	62			**¶97iv1858**
ISC	**IV**	**11 09 57 58**±1.5	**26.06N**±.045	**128.62E**±.048	**26**±11	**4.4b**,4.7s	**66**	**1-86**
BJI	IV	11 09 57 56.0	26.06N	128.77E	23	4.5b,4.9s		**¶97iv1860**
JMA	IV	11 09 57 58.1±.2	26.00N±.02	128.64E±.02	59	4.4		
NEIC	IV	11 09 57 59.2	26.11N	128.63E	33	4.7b		
MOS	IV	11 09 57 59.5	26.1N	128.6E	33	5.0b		
EIDC	IV	11 09 58 02.3	26.1N	128.7E	41	4.2b,4.0L		
ISC	**IV**	**11 10 03 01**±1.7	**26.0N**±.17	**128.7E**±.12	**52**		**5**	**1-2**
JMA	IV	11 10 03 00.3±.3	26.01N±.02	128.67E±.02	52	3.2		**¶97iv1862**
ISC	**IV**	**11 10 04 00**±1.4	**26.0N**±.15	**128.6E**±.10	**51**		**7**	**1-2**
JMA	IV	11 10 03 59.2±.3	26.02N±.02	128.64E±.02	51	3.4		**¶97iv1863**
ISC	**IV**	**11 10 04 39**±1.0	**26.06N**±.045	**128.62E**±.053	**25**±7.5	**4.2b**,4.8s	**56**	**1-86**
EIDC	IV	11 10 04 36.8	26.2N	129.0E	0	4.2b,3.8L		**¶97iv1864**
BJI	IV	11 10 04 37.8	26.15N	128.70E	27	4.4L,4.5b		
JMA	IV	11 10 04 38.3±.2	26.02N±.02	128.67E±.01	56	4.2		
NEIC	IV	11 10 04 39.7	26.14N	128.85E	33	4.6b		
MOS	IV	11 10 04 39.9	26.0N	128.4E	33	4.8b		
BJI		Ms4.9						
NEIC		Less reliable solution.						
ISC	**IV**	**11 10 11 30**±1.3	**26.1N**±.15	**128.7E**±.10	**49**		**6**	**1-2**
JMA	IV	11 10 11 29.0±.1	26.02N±.01	128.69E±.01	49	3.2		**¶97iv1866**
ISC	**IV**	**11 10 12 14**±3.6	**26.0N**±.21	**128.7E**±.14	**21**±34		**5**	**1-2**
JMA	IV	11 10 12 14.3±.2	26.02N±.02	128.68E±.01	51	3.5		**¶97iv1867**
ISC		Poorly determined						
ISC	**IV**	**11 10 18 31**±1.2	**26.0N**±.14	**128.68E**±.093	**58**		**7**	**1-2**
JMA	IV	11 10 18 30.7±.2	26.04N±.02	128.68E±.02	58	3.3		**¶97iv1870**
ISC	**IV**	**11 10 26 02**±1.3	**26.0N**±.14	**128.64E**±.093	**54**		**7**	**1-2**
JMA	IV	11 10 26 01.5±.2	26.01N±.02	128.65E±.01	54	3.1		**¶97iv1872**
ISC	**IV**	**11 10 37 04.0**±.73	**26.13N**±.075	**128.66E**±.076	**48**	**3.6b**	**12**	**1-64**
JMA	IV	11 10 37 02.5±.2	26.04N±.02	128.69E±.01	48	3.6		**¶97iv1874**
EIDC	IV	11 10 37 08.3	25.2N	130.1E	0	3.5b		
ISC	**IV**	**11 10 57 26**±1.4	**26.0N**±.15	**128.6E**±.10	**56**		**6**	**1-2**
JMA	IV	11 10 57 25.8±.2	26.02N±.02	128.66E±.01	56	2.9		**¶97iv1879**
ISC	**IV**	**11 11 03 00**±1.4	**26.1N**±.20	**128.7E**±.12	**60**		**5**	**1-2**
JMA	IV	11 11 02 59.4±.2	26.05N±.02	128.69E±.02	60	2.7		**¶97iv1882**
ISC	**IV**	**11 11 52 24**±1.3	**26.0N**±.14	**128.64E**±.093	**52**		**7**	**1-2**
JMA	IV	11 11 52 23.9±.2	26.02N±.02	128.66E±.02	52	3.1		**¶97iv1892**
ISC	**IV**	**11 12 01 41.6**±.92	**26.13N**±.022	**128.56E**±.023	**7**±5.4	**5.5b,5.3s**	**488**	**1-175**
EIDC	IV	11 12 01 41.5	26.1N	128.6E	0	5.1b,4.2s		**¶97iv1895**
JMA	IV	11 12 01 43.6±.2	26.04N±.02	128.64E±.02	61	5.5		

BJI	IV	11 12 01 43.9	26.12N	128.55E	33	5.0L,5.5b		
MOS	IV	11 12 01 45.1	26.1N	128.6E	33	6.0b,5.7s		
NEIC	IV	11 12 01 45.4	26.12N	128.50E	33	5.5b,5.1s		
HRVD	IV	11 12 01 50.0±.3	26.12N±.06	128.67E±.06	20±2.6			
BJI	Ms5.6							
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c45; Half duration: 1τ3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.92±.07; $M_{\theta\theta}$−0.40±.06; $M_{\phi\phi}$−0.52±.07; $M_{r\theta}$1.15±.21; $M_{r\phi}$0.79±.18; $M_{\theta\phi}$−0.64±.07. Principal Axes: T 1.66,Plg62°,Azm336°; N 0.14, Plg8°,Azm231°; P −1.80,Plg27°,Azm137°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S208°,δ20°,λ65°. NP2:ϕ_S54°,δ72°,λ98°.							
ISC	**IV**	**11 12 58 26**±1.2	**26.1N**±.14	**128.67E**±.093	**56**		**7**	**1-2**
JMA	IV	11 12 58 25.8±.3	26.08N±.02	128.66E±.02	56	2.9		**¶97iv1902**
ISC	**IV**	**11 13 04 45**±1.3	**26.1N**±.20	**128.7E**±.12	**58**		**5**	**1-2**
JMA	IV	11 13 04 44.9±.4	26.10N±.03	128.67E±.03	58	3.0		**¶97iv1903**
ISC	**IV**	**11 13 11 49**±1.4	**26.1N**±.19	**128.7E**±.12	**56**		**5**	**1-2**
JMA	IV	11 13 11 49.2±.5	26.11N±.04	128.67E±.03	56	2.8		**¶97iv1904**
ISC	**IV**	**11 13 39 06**±1.1	**26.09N**±.048	**128.62E**±.053	**28**±8.6	**4.0b**,4.0s	**46**	**1-86**
BJI	IV	11 13 39 05.7	26.17N	128.69E	33	4.4b,4.3s		**¶97iv1909**
JMA	IV	11 13 39 06.0±.2	26.04N±.02	128.64E±.02	59	4.2		
NEIC	IV	11 13 39 07.2	26.15N	128.72E	33	3.9b		
EIDC	IV	11 13 39 10.0	26.1N	128.7E	40	3.8b,3.8L		
NEIC	Less reliable solution.							
ISC	**IV**	**11 13 39 51**±1.1	**26.0N**±.13	**128.7E**±.10	**62**±16	3.5b	**8**	**1-79**
JMA	IV	11 13 39 51.3±.3	26.01N±.02	128.67E±.02	48	4.1		**¶97iv1910**
ISC	**IV**	**11 13 45 17**±1.4	**26.1N**±.19	**128.7E**±.11	**54**		**5**	**1-2**
JMA	IV	11 13 45 16.9±.3	26.08N±.03	128.67E±.03	54	3.0		**¶97iv1912**
ISC	**IV**	**11 14 13 57.5**±.92	**26.05N**±.077	**128.63E**±.071	**36**±9.9	**3.8b**	**19**	**1-79**
JMA	IV	11 14 13 56.4±.3	26.00N±.02	128.67E±.02	49	3.8		**¶97iv1914**
EIDC	IV	11 14 13 56.8	26.1N	128.4E	17	3.7b		
NEIC	IV	11 14 13 57.7	26.07N	128.80E	33	3.4b		
BJI	IV	11 14 13 59.5	25.75N	128.11E	39	4.4b,4.0s		
NEIC	Poor solution.							
ISC	**IV**	**11 14 21 37**±1.2	**26.0N**±.12	**128.64E**±.083	**55**		**9**	**1-3**
JMA	IV	11 14 21 36.9±.2	26.07N±.02	128.67E±.01	55	3.3		**¶97iv1917**
ISC	**IV**	**11 14 35 24**±1.2	**26.0N**±.12	**128.66E**±.083	**51**		**9**	**1-4**
JMA	IV	11 14 35 23.6±.3	26.07N±.03	128.65E±.02	51	3.3		**¶97iv1921**
ISC	**IV**	**11 14 58 15**±1.6	**26.06N**±.078	**128.73E**±.090	**16**±14	**3.7b**	**15**	**1-78**
EIDC	IV	11 14 58 14.3	26.1N	128.6E	0	3.6b,3.1s		**¶97iv1924**
JMA	IV	11 14 58 14.9±.2	26.04N±.02	128.69E±.01	60±5	3.8		
NEIC	IV	11 14 58 17.4	25.99N	128.87E	33			
NEIC	Poor solution.							
ISC	**IV**	**11 15 18 48**±1.4	**26.1N**±.20	**128.7E**±.12	**57**		**5**	**1-2**
JMA	IV	11 15 18 47.6±.3	26.11N±.03	128.71E±.02	57	2.8		**¶97iv1928**
ISC	**IV**	**11 16 25 57**±1.3	**26.0N**±.14	**128.65E**±.094	**55**		**7**	**1-2**
JMA	IV	11 16 25 57.3±.3	26.05N±.03	128.64E±.02	55	3.0		**¶97iv1934**
ISC	**IV**	**11 17 15 23**±1.3	**26.1N**±.15	**128.7E**±.10	**53**		**6**	**1-2**
JMA	IV	11 17 15 22.7±.3	26.06N±.02	128.66E±.02	53	2.9		**¶97iv1943**
ISC	**IV**	**11 17 45 07**±1.3	**26.0N**±.13	**128.65E**±.086	**51**		**8**	**1-3**
JMA	IV	11 17 45 06.4±.2	26.07N±.02	128.67E±.02	51	3.5		**¶97iv1947**
ISC	**IV**	**11 18 08 29**±2.7	**26.05N**±.059	**128.73E**±.065	**14**±17	**4.0b,4.0s**	**29**	**1-80**
EIDC	IV	11 18 08 29.5	26.0N	129.0E	0	3.9b,3.8L		**¶97iv1949**
JMA	IV	11 18 08 30.2±.2	26.07N±.02	128.67E±.01	59	4.1		
BJI	IV	11 18 08 30.2	26.00N	128.48E	26	4.4b,4.3s		
NEIC	IV	11 18 08 31.9	26.09N	128.85E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**11 18 35 02**±1.4	**26.1N**±.20	**128.7E**±.12	**64**		**5**	**1-2**
JMA	IV	11 18 35 01.9±.4	26.10N±.03	128.68E±.03	64			**¶97iv1952**
ISC	**IV**	**11 18 57 58**±2.0	**26.1N**±.15	**128.7E**±.13	**59**±60		**7**	**1-2**
JMA	IV	11 18 57 57.7±.3	26.10N±.02	128.67E±.02	61			**¶97iv1955**
ISC	**IV**	**11 19 28 18**±1.2	**26.0N**±.14	**128.68E**±.093	**58**		**7**	**1-2**
JMA	IV	11 19 28 17.4±.1	26.04N±.01	128.68E±.01	58	2.9		**¶97iv1962**
ISC	**IV**	**11 19 33 34**±6.6	**26.1N**±.47	**128.6E**±.50	**63**±63		**5**	**1-2**
JMA	IV	11 19 33 33.7±.6	26.08N±.04	128.64E±.04	68			**¶97iv1963**
ISC	Poorly determined							
ISC	**IV**	**11 19 38 23**±1.3	**26.1N**±.15	**128.7E**±.10	**57**		**6**	**1-2**
JMA	IV	11 19 38 22.9±.3	26.09N±.03	128.68E±.02	57	3.0		**¶97iv1964**
ISC	**IV**	**11 19 40 10**±1.9	**26.0N**±.13	**128.7E**±.13	**60**±56		**8**	**1-2**
JMA	IV	11 19 40 10.1±.2	26.04N±.01	128.69E±.01	58	3.1		**¶97iv1965**
ISC	**IV**	**11 19 46 34**±1.2	**26.1N**±.14	**128.69E**±.092	**53**		**7**	**1-2**
JMA	IV	11 19 46 34.1±.2	26.07N±.02	128.68E±.02	53	3.2		**¶97iv1966**
ISC	**IV**	**11 19 55 45**±1.3	**26.1N**±.15	**128.7E**±.10	**49**		**7**	**1-2**
JMA	IV	11 19 55 44.1±.4	26.04N±.03	128.66E±.03	49	2.8		**¶97iv1968**
ISC	**IV**	**11 21 08 38**±6.3	**28.0N**±.22	**130.2E**±.66	**52**		**6**	**0-4**
JMA	IV	11 21 08 38.8±.7	28.09N±.04	130.09E±.08	52	3.0		**¶97iv1977**
ISC	**IV**	**11 23 22 35**±1.9	**26.0N**±.13	**128.7E**±.13	**59**±56		**8**	**1-3**
JMA	IV	11 23 22 35.4±.2	26.03N±.01	128.68E±.02	59±5	3.3		**¶97iv1988**
ISC	**IV**	**12 03 28 51**±1.2	**26.0N**±.13	**128.67E**±.087	**61**		**8**	**1-3**
JMA	IV	12 03 28 50.5±.2	26.04N±.02	128.67E±.01	61			**¶97iv2002**
ISC	**IV**	**12 04 35 08**±2.0	**26.0N**±.15	**128.7E**±.13	**59**±59		**7**	**1-2**
JMA	IV	12 04 35 07.9±.2	26.05N±.02	128.67E±.02	59	3.5		**¶97iv2008**
ISC	**IV**	**12 14 06 25**±1.2	**26.0N**±.12	**128.67E**±.081	**51**		**9**	**1-3**
JMA	IV	12 14 06 25.0±.2	26.07N±.02	128.68E±.01	51	3.4		**¶97iv2077**
JMA	**IV**	**12 15 36 10.9**±.1	**28.31N**±.00	**130.79E**±.01	**77**±1			**¶97iv2088**
ISC	**IV**	**12 15 40 57**±5.8	**28.3N**±.36	**130.9E**±.54	**77**		**5**	**1-2**
JMA	IV	12 15 40 56.7±.4	28.25N±.02	130.96E±.03	77			**¶97iv2092**
ISC	**IV**	**12 17 22 08**±1.0	**28.16N**±.087	**130.2E**±.12	**54**		**9**	**0-76**
JMA	IV	12 17 22 07.2±.4	28.13N±.03	130.22E±.04	54	3.1		**¶97iv2100**
JMA	**IV**	**12 17 30 27.2**±.6	**27.46N**±.08	**127.06E**±.04	**154**			**¶97iv2101**
ISC	**IV**	**12 17 53 23**±12	**27.2N**±.96	**129.6E**±.70	**82**		**4**	**1-3**
JMA	IV	12 17 53 24.1±.6	27.22N±.05	129.58E±.04	82			**¶97iv2104**
ISC	Poorly determined							
ISC	**IV**	**12 22 13 26**±1.7	**26.5N**±.17	**126.9E**±.20	**63**		**6**	**0-6**
JMA	IV	12 22 13 26.3±.4	26.50N±.03	126.92E±.02	63±4			**¶97iv2138**
ISC	**IV**	**12 23 35 19.7**±.98	**28.07N**±.075	**130.3E**±.12	**40**±34		**10**	**0-4**
JMA	IV	12 23 35 19.1±.3	28.04N±.02	130.29E±.03	45	3.5		**¶97iv2153**
ISC	**IV**	**13 00 10 47.1**±.60	**29.13N**±.068	**129.8E**±.18	**37**	3.2b	**12**	**1-75**
JMA	IV	13 00 10 46.3±.1	29.13N±.01	129.77E±.04	37	3.4		**¶97iv2158**
ISC	**IV**	**13 03 57 11**±1.3	**26.0N**±.14	**128.66E**±.091	**39**		**7**	**1-2**
JMA	IV	13 03 57 10.2±.3	26.01N±.02	128.70E±.02	39	3.0		**¶97iv2185**
ISC	**IV**	**13 05 54 33**±2.2	**27.9N**±.20	**129.8E**±.31	**67**		**7**	**0-3**
JMA	IV	13 05 54 32.5±.2	27.83N±.02	129.81E±.03	67			**¶97iv2198**
ISC	**IV**	**13 05 59 07.9**±.98	**27.72N**±.080	**129.9E**±.12	**54**		**7**	**1-3**
JMA	IV	13 05 59 07.6±.1	27.71N±.01	129.91E±.02	54	3.0		**¶97iv2199**
JMA	**IV**	**13 07 38 30.6**±.1	**27.86N**±.01	**129.82E**±.01	**75**±2			**¶97iv2208**
ISC	**IV**	**13 10 30 10**±2.1	**28.6N**±.19	**128.5E**±.28	**118**		**6**	**1-2**
JMA	IV	13 10 30 10.4±.4	28.59N±.03	128.46E±.04	118			**¶97iv2221**
JMA	**IV**	**14 09 53 03.2**±.1	**28.61N**±.01	**128.88E**±.01	**90**			**¶97iv2437**
ISC	**IV**	**14 11 14 17**±4.7	**28.6N**±.35	**128.7E**±.22	**10**		**5**	**1-2**
JMA	IV	14 11 14 15.5±.5	28.69N±.03	128.63E±.02	10	3.3		**¶97iv2447**
ISC	**IV**	**14 15 17 06**±1.1	**28.88N**±.070	**129.9E**±.17	**16**±17		**12**	**1-4**
JMA	IV	14 15 17 05.8±.1	28.88N±.01	129.86E±.03	27±4	3.0		**¶97iv2478**
ISC	**IV**	**14 19 48 15**±1.1	**26.03N**±.050	**128.65E**±.055	**25**±7.8	**4.1b,4.4s**	**56**	**1-86**
JMA	IV	14 19 48 14.3±.1	25.99N±.01	128.68E±.01	64±4	4.3		**¶97iv2505**
BJI	IV	14 19 48 14.5	26.04N	128.71E	29	3.6L,4.5b		
NEIC	IV	14 19 48 15.8	26.10N	128.67E	33	4.5b		
EIDC	IV	14 19 48 17.0	26.1N	128.7E	28	3.8b,3.9L		
MOS	IV	14 19 48 19.5	26.5N	128.5E	33	4.9b		
BJI	Ms4.5							
ISC	**IV**	**14 20 44 02**±1.2	**26.1N**±.18	**128.7E**±.10	**65**		**6**	**1-2**
JMA	IV	14 20 44 01.5±.3	26.04N±.03	128.70E±.02	65			**¶97iv2513**
JMA	**IV**	**14 20 47 27.4**±.5	**28.89N**±.03	**129.89E**±.03	**23**±4	**3.1**		**¶97iv2514**
ISC	**IV**	**14 22 29 48**±2.0	**26.0N**±.15	**128.7E**±.13	**79**±36		**8**	**1-6**
JMA	IV	14 22 29 48.5±.3	26.04N±.03	128.67E±.02	65			**¶97iv2519**
JMA	**IV**	**15 11 38 05.4**±.3	**28.59N**±.01	**130.17E**±.03	**74**±4			**¶97iv2596**
ISC	**IV**	**15 12 48 08.4**±.41	**28.71N**±.034	**130.36E**±.046	**46**±4.4	**4.3b,4.1s**	**100**	**1-90**
BJI	IV	15 12 48 07.1	28.45N	130.31E	38	4.5b,4.3s		**¶97iv2603**
NEIC	IV	15 12 48 07.2	28.78N	130.14E	33	4.7b		
MOS	IV	15 12 48 07.3	28.7N	130.3E	33	4.9b		
JMA	IV	15 12 48 08.3±.2	28.69N±.02	130.33E±.04	57±4	3.8		
EIDC	IV	15 12 48 09.3	28.6N	129.8E	35	4.1b,3.6s		
ISC	**IV**	**15 14 29 08**±1.6	**27.96N**±.064	**130.3E**±.11	**30**±15		**13**	**0-4**
JMA	IV	15 14 29 07.8±.1	27.97N±.01	130.31E±.02	45±3	3.4		**¶97iv2612**
JMA	**IV**	**15 14 40 10.6**±.2	**27.97N**±.02	**130.26E**±.02	**47**±3	**2.9**		**¶97iv2615**
ISC	**IV**	**15 20 14 53.7**±.81	**26.17N**±.077	**128.56E**±.091	**53**	**3.4b**	**15**	**1-78**
JMA	IV	15 20 14 51.5±.2	26.03N±.01	128.68E±.01	53	3.5		**¶97iv2643**
EIDC	IV	15 20 14 55.9	25.4N	128.9E	0	3.5b		
ISC	**IV**	**16 02 13 50**±1.7	**28.8N**±.17	**128.8E**±.30	**95**±54		**9**	**1-3**
JMA	IV	16 02 13 50.3±.2	28.83N±.02	128.87E±.03	94			**¶97iv2676**
ISC	**IV**	**16 03 10 12**±1.6	**28.8N**±.11	**129.5E**±.24	**33**		**4**	**0-1**
JMA	IV	16 03 10 11.9±.1	28.81N±.01	129.39E±.02	33	3.2		**¶97iv2679**
ISC	Poorly determined							
ISC	**IV**	**16 05 32 17**±2.5	**27.4N**±.22	**127.4E**±.27	**98**		**7**	**1-2**
JMA	IV	16 05 32 17.1±.3	27.41N±.03	127.41E±.03	98			**¶97iv2701**
JMA	**IV**	**16 05 38 05.3**±.2	**27.91N**±.01	**130.24E**±.02	**47**	**2.8**		**¶97iv2702**
ISC	**IV**	**16 10 56 16**±4.3	**28.8N**±.21	**128.6E**±.55	**115**		**4**	**1-2**
JMA	IV	16 10 56 16.4±.4	28.77N±.02	128.55E±.05	115			**¶97iv2746**
ISC	Poorly determined							
ISC	**IV**	**16 11 57 43**±1.8	**28.24N**±.098	**130.3E**±.16	**32**±14		**8**	**0-3**
JMA	IV	16 11 57 42.4±.1	28.21N±.01	130.29E±.01	43±1	3.1		**¶97iv2752**
ISC	**IV**	**16 13 10 51**±1.3	**28.74N**±.082	**128.7E**±.13	**4**		**7**	**1-5**
JMA	IV	16 13 10 49.6±.5	28.79N±.03	128.61E±.04	4	3.4		**¶97iv2763**
ISC	**IV**	**16 13 44 37**±1.4	**26.0N**±.19	**128.7E**±.12	**62**		**5**	**1-2**
JMA	IV	16 13 44 36.3±.3	26.01N±.02	128.69E±.02	62			**¶97iv2768**
ISC	**IV**	**16 15 07 46.8**±.85	**27.90N**±.067	**130.1E**±.11	**48**±26		**13**	**0-4**
JMA	IV	16 15 07 46.4±.1	27.91N±.01	130.11E±.01	54±2	3.2		**¶97iv2779**
ISC	**IV**	**16 23 11 02**±1.5	**29.37N**±.098	**130.8E**±.22	**45**±57		**14**	**1-5**
JMA	IV	16 23 11 01.3±.2	29.37N±.02	130.82E±.03	38	3.1		**¶97iv2820**
ISC	**IV**	**17 06 22 06**±5.4	**28.1N**±.34	**128.1E**±.37	**18**		**5**	**1-2**
JMA	IV	17 06 22 05.1±.4	28.13N±.01	128.06E±.02	18±5	3.3		**¶97iv2863**
ISC	Poorly determined							
ISC	**IV**	**17 09 53 43**±1.4	**28.80N**±.094	**129.9E**±.28	**18**±25		**5**	**0-2**
JMA	IV	17 09 53 43.5±.1	28.80N±.01	129.90E±.03	25	3.2		**¶97iv2880**
ISC	Poorly determined							
ISC	**IV**	**17 11 58 55.3**±.88	**27.84N**±.070	**130.1E**±.11	**54**±27		**12**	**0-4**
JMA	IV	17 11 58 55.3±.2	27.87N±.02	130.03E±.03	60±2	3.2		**¶97iv2893**
ISC	**IV**	**17 17 32 44.0**±.81	**29.10N**±.075	**129.7E**±.19	**47**±47		**14**	**1-4**
JMA	IV	17 17 32 43.5±.1	29.10N±.01	129.75E±.03	58±4	3.4		**¶97iv2943**
ISC	**IV**	**17 19 56 33**±3.6	**26.8N**±.25	**129.5E**±.29	**24**		**5**	**1-2**
JMA	IV	17 19 56 32.0±.2	26.73N±.01	129.56E±.01	24	3.1		**¶97iv2965**
ISC	**IV**	**17 23 19 53**±1.3	**28.0N**±.12	**130.1E**±.15	**67**		**6**	**0-2**
JMA	IV	17 23 19 53.2±.2	28.02N±.02	130.07E±.02	67			**¶97iv2988**
JMA	**IV**	**18 05 37 37.5**±.2	**28.70N**±.02	**129.45E**±.02	**18**±5	**2.8**		**¶97iv3025**
JMA	**IV**	**18 10 59 15.0**±.1	**27.92N**±.01	**129.94E**±.01	**65**±2			**¶97iv3063**
ISC	**IV**	**18 17 58 30**±1.1	**29.06N**±.080	**129.9E**±.26	**23**±18		**7**	**1-2**
JMA	IV	18 17 58 30.6±.2	29.05N±.02	129.97E±.06	24	2.8		**¶97iv3105**
ISC	**IV**	**19 15 31 22**±3.8	**28.2N**±.24	**130.9E**±.49	**84**±38		**9**	**1-4**
JMA	IV	19 15 31 22.2±.4	28.25N±.02	130.92E±.05	84±5			**¶97iv3215**
ISC	**IV**	**20 00 56 21**±1.6	**28.2N**±.27	**129.7E**±.16	**24**±28		**5**	**0-2**
JMA	IV	20 00 56 20.1±.3	28.37N±.04	129.69E±.02	40±3	2.8		**¶97iv3256**
ISC	Poorly determined							
JMA	**IV**	**20 01 15 43.7**±.4	**28.13N**±.02	**130.43E**±.03	**37**	**3.5**		**¶97iv3258**
ISC	**IV**	**20 02 05 25**±2.6	**28.2N**±.18	**130.2E**±.31	**38**±31		**8**	**0-3**
JMA	IV	20 02 05 23.8±.5	28.15N±.03	130.30E±.05	46±4	3.5		**¶97iv3262**
ISC	**IV**	**20 03 22 28**±1.1	**26.4N**±.15	**129.7E**±.10	**44**		**8**	**1-3**
JMA	IV	20 03 22 27.5±.2	26.42N±.02	129.70E±.01	44	3.7		**¶97iv3268**
ISC	**IV**	**20 07 38 37**±1.9	**26.8N**±.16	**127.2E**±.15	**9**		**4**	**1-2**
JMA	IV	20 07 38 36.7±.3	26.78N±.02	127.21E±.02	9	2.8		**¶97iv3288**
ISC	Poorly determined							
JMA	**IV**	**20 15 01 15.7**±.8	**28.75N**±.02	**128.68E**±.06	**4**	**2.9**		**¶97iv3332**
JMA	**IV**	**20 19 08 37.2**±.4	**27.94N**±.02	**130.09E**±.03	**52**	**2.8**		**¶97iv3351**
ISC	**IV**	**21 15 26 14.7**±.43	**29.23N**±.041	**130.56E**±.047	**65**		**87**	**1-10**
JMA	IV	21 15 26 15.5±.1	29.28N±.01	130.41E±.03	65±4	4.6		**¶97iv3520**
ISC	**IV**	**22 14 40 12**±1.0	**28.10N**±.079	**130.3E**±.12	**41**±32		**11**	**0-4**
JMA	IV	22 14 40 11.7±.3	28.08N±.02	130.30E±.03	48±4	3.3		**¶97iv3766**
ISC	**IV**	**22 18 55 18.2**±.33	**28.85N**±.028	**129.87E**±.037	**56**±3.8	**4.5b**,4.0s	**129**	**0-92**
JMA	IV	22 18 55 18.4±.1	28.96N±.01	129.64E±.04	52±5	4.0		**¶97iv3814**
BJI	IV	22 18 55 20.3	28.86N	129.73E	74	4.7b,4.1s		
MOS	IV	22 18 55 20.6	28.9N	129.9E	80	4.7b		
NEIC	IV	22 18 55 21.0	28.93N	129.88E	82	4.6b		
EIDC	IV	22 18 55 23.1	28.9N	129.8E	84	4.0b,3.9s		
ISC	**IV**	**23 11 08 20**±1.0	**26.5N**±.12	**127.7E**±.15	**43**		**5**	**0-1**
JMA	IV	23 11 08 20.2±.2	26.52N±.01	127.69E±.01	43±4	3.0		**¶97iv3942**
JMA	**IV**	**23 17 51 54.3**±.4	**28.25N**±.04	**130.35E**±.03	**40**±3	**2.9**		**¶97iv4006**
JMA	**IV**	**23 17 55 16.3**±.2	**28.52N**±.02	**129.69E**±.00	**17**±1	**2.8**		**¶97iv4007**
ISC	**IV**	**25 00 56 43**±1.6	**29.13N**±.089	**129.6E**±.31	**5**		**4**	**1-1**
JMA	IV	25 00 56 43.1±.2	29.13N±.01	129.53E±.03	5±4	3.0		**¶97iv4246**
ISC	Poorly determined							
ISC	**IV**	**25 02 43 38**±3.3	**28.7N**±.13	**128.7E**±.29	**4**		**4**	**1-2**
JMA	IV	25 02 43 38.2±.5	28.77N±.01	128.69E±.03	4±5	3.4		**¶97iv4260**
ISC	Poorly determined							
ISC	**IV**	**25 17 40 39**±1.1	**26.74N**±.087	**127.9E**±.12	**5**±14		**7**	**0-2**
JMA	IV	25 17 40 39.5±.2	26.75N±.01	127.88E±.02	11±4	3.4		**¶97iv4387**
ISC	**IV**	**25 20 38 15**±1.1	**28.54N**±.086	**128.6E**±.12	**23**		**8**	**1-3**
JMA	IV	25 20 38 14.3±.1	28.58N±.01	128.52E±.01	23	3.0		**¶97iv4415**
ISC	**IV**	**25 21 24 06**±8.8	**28.1N**±.44	**130.4E**±.72	**42**		**4**	**0-2**
JMA	IV	25 21 24 05.6±.8	28.12N±.04	130.37E±.06	42	2.8		**¶97iv4418**
ISC	Poorly determined							
ISC	**IV**	**25 21 27 42**±1.0	**26.76N**±.094	**127.9E**±.12	**18**		**5**	**0-1**
JMA	IV	25 21 27 42.0±.1	26.76N±.01	127.92E±.02	18	2.8		**¶97iv4419**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**26 04 47 45**±2.2	**26.3N**±.59	**127.4E**±.28	**33**±57		**5**	**0-1**
JMA	IV	26 04 47 44.6±.1	26.36N±.01	127.36E±.00	38±3	2.9		¶97iv4467
ISC	Poorly determined							
ISC	**IV**	**26 08 31 14**±1.4	**29.8N**±.11	**130.5E**±.20	**51**		**7**	**1-2**
JMA	IV	26 08 31 13.8±.1	29.80N±.01	130.49E±.03	51	2.9		¶97iv4501
ISC	**IV**	**27 14 16 29**±1.0	**26.4N**±.12	**127.6E**±.14	**47**		**5**	**0-1**
JMA	IV	27 14 16 28.7±.2	26.41N±.01	127.60E±.01	47±3	3.4		¶97iv4743
JMA	**IV**	**27 20 07 22.5**±.5	**28.32N**±.03	**130.40E**±.04	**40**	**3.2**		¶97iv4786
ISC	**IV**	**28 06 58 06**±1.4	**28.84N**±.084	**129.8E**±.23	**6**		**4**	**0-1**
JMA	IV	28 06 58 06.3±.2	28.84N±.01	129.81E±.03	6	3.1		¶97iv4870
ISC	Poorly determined							
ISC	**IV**	**28 08 37 39**±2.2	**28.1N**±.16	**130.3E**±.26	**41**±33		**13**	**0-4**
JMA	IV	28 08 37 38.0±.4	28.09N±.02	130.36E±.03	42	3.5		¶97iv4880
JMA	**IV**	**28 11 23 10.5**±.4	**28.04N**±.04	**130.07E**±.05	**73**			¶97iv4907
ISC	**IV**	**28 14 18 28**±1.5	**28.85N**±.091	**129.9E**±.28	**16**		**4**	**0-1**
JMA	IV	28 14 18 28.2±.2	28.87N±.01	129.85E±.04	16	3.0		¶97iv4934
ISC	Poorly determined							
ISC	**IV**	**28 17 30 23**±6.6	**26.1N**±.40	**126.5E**±.53	**54**		**5**	**0-2**
JMA	IV	28 17 30 23.5±.6	26.14N±.05	126.51E±.04	54	3.0		¶97iv4960
ISC	**IV**	**28 22 55 47**±7.8	**28.0N**±.23	**130.3E**±.72	**46**		**4**	**0-2**
JMA	IV	28 22 55 47.7±.4	27.97N±.02	130.25E±.03	46	2.8		¶97iv4990
ISC	Poorly determined							
JMA	**IV**	**29 02 16 27.6**±.3	**27.99N**±.01	**130.26E**±.02	**49**	**2.8**		¶97iv5004
ISC	**IV**	**29 07 53 57**±4.3	**28.2N**±.35	**130.2E**±.38	**42**		**4**	**0-3**
JMA	IV	29 07 53 55.7±.2	28.13N±.01	130.26E±.01	42±2	3.0		¶97iv5040
ISC	Poorly determined							
ISC	**IV**	**29 21 39 37.3**±.76	**29.23N**±.060	**130.6E**±.13	**49**±9.8	**3.7b**	**23**	**1-75**
NEIC	IV	29 21 39 35.6	29.23N	130.58E	33	3.2b		¶97iv5127
JMA	IV	29 21 39 37.5±.1	29.27N±.01	130.44E±.03	67			
EIDC	IV	29 21 39 42.3	29.4N	130.9E	78	3.4b,3.4L		
NEIC	Less reliable solution.							
JMA	**IV**	**30 04 08 15.6**±.4	**28.19N**±.03	**130.34E**±.03	**41**±4	**3.2**		¶97iv5162
ISC	**IV**	**30 18 23 28**±1.4	**28.67N**±.090	**129.6E**±.19	**16**		**4**	**0-1**
JMA	IV	30 18 23 27.8±.1	28.67N±.01	129.59E±.01	16±3	2.8		¶97iv5241
ISC	Poorly determined							
ISC	**V**	**01 03 18 03.8**±.83	**27.45N**±.074	**129.55E**±.094	**33**	3.2b	**10**	**1-77**
JMA	V	01 03 18 03.1±.3	27.43N±.02	129.53E±.03	33	3.7		¶97v0020
ISC	**V**	**01 11 07 17**±1.1	**28.1N**±.14	**129.4E**±.21	**49**±23		**12**	**0-4**
JMA	V	01 11 07 17.2±.1	28.10N±.02	129.35E±.03	54±3	3.3		¶97v0089
ISC	**V**	**01 13 00 58**±1.0	**28.90N**±.080	**129.8E**±.24	**19**		**5**	**1-3**
JMA	V	01 13 00 58.3±.1	28.91N±.01	129.81E±.03	19	3.0		¶97v0106
ISC	**V**	**01 13 51 42**±1.6	**28.8N**±.10	**129.9E**±.28	**25**		**4**	**0-1**
JMA	V	01 13 51 42.6±.2	28.80N±.01	129.88E±.04	25	3.1		¶97v0110
ISC	Poorly determined							
ISC	**V**	**01 22 09 17**±3.7	**28.5N**±.15	**128.7E**±.38	**34**		**4**	**1-2**
JMA	V	01 22 09 15.9±.3	28.52N±.01	128.63E±.02	34	2.9		¶97v0167
ISC	Poorly determined							
ISC	**V**	**02 12 40 29**±6.3	**27.8N**±.31	**128.6E**±.36	**95**±58		**6**	**0-3**
JMA	V	02 12 40 28.7±.1	27.86N±.02	128.43E±.02	84±2			¶97v0266
ISC	Poorly determined							
JMA	**V**	**02 20 12 55.3**±.7	**28.07N**±.04	**130.52E**±.06	**46**	**3.0**		¶97v0324
JMA	**V**	**02 21 11 23.3**±.2	**27.67N**±.01	**127.96E**±.02	**1**±2	**2.8**		¶97v0328
JMA	**V**	**03 04 53 43.2**±.3	**28.88N**±.02	**129.86E**±.01	**16**±2	**3.0**		¶97v0380
JMA	**V**	**03 08 03 50.5**±.6	**28.49N**±.02	**128.44E**±.04	**20**	**3.0**		¶97v0397
ISC	**V**	**03 11 23 35**±2.4	**29.9N**±.13	**129.9E**±.27	**132**±29		**11**	**0-4**
JMA	V	03 11 23 34.6±.4	29.87N±.02	129.88E±.05	133±4			¶97v0424
JMA	**V**	**03 16 33 05.8**±.7	**28.96N**±.04	**129.98E**±.04	**15**	**2.9**		¶97v0458
ISC	**V**	**03 18 36 11**±2.7	**29.2N**±.12	**129.2E**±.30	**13**		**4**	**1-1**
JMA	V	03 18 36 11.5±.2	29.18N±.00	129.15E±.01	13±4	3.3		¶97v0484
ISC	Poorly determined							
ISC	**V**	**04 00 32 14**±2.0	**29.0N**±.11	**130.0E**±.43	**36**		**4**	**1-2**
JMA	V	04 00 32 14.5±.2	29.02N±.01	129.94E±.05	36	3.1		¶97v0530
ISC	Poorly determined							
ISC	**V**	**04 02 20 09**±3.0	**28.3N**±.35	**129.3E**±.30	**8**		**4**	**0-2**
JMA	V	04 02 20 08.6±.4	28.32N±.04	129.25E±.03	8	2.9		¶97v0544
ISC	Poorly determined							
ISC	**V**	**04 02 54 59**±1.6	**28.8N**±.10	**129.9E**±.29	**25**		**4**	**0-1**
JMA	V	04 02 54 59.3±.2	28.81N±.01	129.88E±.03	25	3.0		¶97v0547
ISC	Poorly determined							
ISC	**V**	**04 04 15 50.5**±.83	**28.08N**±.061	**130.3E**±.11	**36**±36		**18**	**0-5**
JMA	V	04 04 15 49.8±.1	28.10N±.01	130.33E±.02	46±2	3.5		¶97v0564
ISC	**V**	**04 07 47 05**±2.4	**29.6N**±.14	**129.5E**±.31	**10**		**5**	**0-2**
JMA	V	04 07 47 04.6±.6	29.63N±.03	129.43E±.06	10	2.9		¶97v0592
JMA	**V**	**04 10 06 51.8**±.7	**28.53N**±.03	**128.44E**±.05	**34**	**2.9**		¶97v0618
ISC	**V**	**04 13 06 51**±3.4	**27.8N**±.22	**128.2E**±.20	**106**±35		**9**	**1-3**
JMA	V	04 13 06 51.1±.3	27.97N±.03	127.96E±.03	76			¶97v0643
ISC	**V**	**04 18 25 47.8**±.94	**27.4N**±.19	**128.6E**±.23	**30**±13		**8**	**1-2**
JMA	V	04 18 25 47.2±.3	27.25N±.03	128.82E±.04	34	3.1		¶97v0674
ISC	**V**	**05 01 17 34**±2.1	**26.0N**±.15	**128.7E**±.13	**61**±60		**7**	**1-2**
JMA	V	05 01 17 33.9±.3	26.01N±.03	128.69E±.02	60	3.1		¶97v0718
ISC	**V**	**05 03 22 52**±1.8	**28.2N**±.20	**129.2E**±.27	**19**±28		**6**	**0-2**
JMA	V	05 03 22 51.7±.1	28.17N±.01	129.14E±.02	23±2	3.4		¶97v0734
ISC	**V**	**05 09 09 03**±2.4	**28.8N**±.14	**129.8E**±.24	**6**±32		**5**	**0-2**
JMA	V	05 09 09 03.1±.2	28.85N±.01	129.82E±.02	8±3	3.3		¶97v0763
ISC	Poorly determined							
JMA	**V**	**05 11 56 03.5**±.1	**28.20N**±.01	**130.41E**±.01	**38**±1	**3.2**		¶97v0777
ISC	**V**	**05 12 01 28**±1.3	**29.15N**±.083	**129.7E**±.28	**24**±18		**7**	**1-2**
JMA	V	05 12 01 28.5±.1	29.15N±.01	129.67E±.04	43	3.3		¶97v0779
ISC	**V**	**05 12 42 30.3**±.89	**27.92N**±.071	**130.1E**±.12	**47**±28		**11**	**0-4**
JMA	V	05 12 42 29.7±.1	27.90N±.01	130.14E±.02	52±3	2.9		¶97v0783
ISC	**V**	**05 15 44 44.0**±.52	**27.94N**±.054	**128.0E**±.11	**146**±6.3	**3.4b**	**26**	**1-92**
JMA	V	05 15 44 44.6±.1	28.00N±.01	127.96E±.02	125			¶97v0807
EIDC	V	05 15 44 48.8	28.1N	128.2E	177	3.2b		
ISC	**V**	**05 16 17 02**±2.4	**28.2N**±.19	**130.3E**±.28	**38**±34		**9**	**0-3**
JMA	V	05 16 17 00.7±.3	28.16N±.02	130.32E±.03	45±2	2.8		¶97v0813
ISC	**V**	**05 16 43 18**±1.0	**29.15N**±.090	**129.7E**±.29	**34**		**6**	**1-2**
JMA	V	05 16 43 17.9±.2	29.17N±.01	129.66E±.05	34	2.8		¶97v0818
ISC	**V**	**06 02 07 13**±5.2	**29.17N**±.092	**129.1E**±.67	**36**		**5**	**1-3**
JMA	V	06 02 07 12.8±.4	29.18N±.01	129.21E±.05	36	3.2		¶97v0885
ISC	**V**	**06 02 14 49**±1.3	**26.0N**±.14	**128.59E**±.094	**53**		**7**	**1-2**
JMA	V	06 02 14 49.1±.3	25.95N±.02	128.59E±.02	53	3.6		¶97v0886
ISC	**V**	**06 02 22 46**±1.3	**26.0N**±.12	**128.60E**±.082	**55**		**9**	**1-3**
JMA	V	06 02 22 45.2±.2	25.94N±.02	128.61E±.01	55	3.5		¶97v0888
ISC	**V**	**06 02 28 48**±1.4	**26.0N**±.20	**128.6E**±.12	**72**		**5**	**1-2**
JMA	V	06 02 28 47.0±.3	25.95N±.03	128.60E±.02	72			¶97v0889
ISC	**V**	**06 03 05 54**±1.7	**28.80N**±.095	**129.9E**±.30	**22**		**4**	**0-1**
JMA	V	06 03 05 54.3±.1	28.80N±.01	129.92E±.02	22±3	3.1		¶97v0898
ISC	Poorly determined							
ISC	**V**	**06 04 46 17**±4.3	**28.3N**±.37	**130.2E**±.41	**37**		**4**	**0-2**
JMA	V	06 04 46 15.6±.3	28.18N±.02	130.37E±.02	37±3	3.1		¶97v0905
ISC	Poorly determined							
ISC	**V**	**06 05 35 38.2**±.61	**29.47N**±.058	**129.8E**±.12	**121**±13		**39**	**0-8**
JMA	V	06 05 35 39.4±.2	29.57N±.01	129.63E±.04	97±3			¶97v0915
ISC	**V**	**06 17 46 05.7**±.82	**28.51N**±.071	**128.7E**±.12	**34**		**11**	**1-4**
JMA	V	06 17 46 04.6±.1	28.55N±.01	128.61E±.02	34	3.1		¶97v0992
JMA	**V**	**07 07 22 39.1**±.0	**27.26N**±.01	**128.39E**±.01	**43**	**2.9**		¶97v1062
ISC	**V**	**07 12 18 20**±4.6	**27.9N**±.49	**130.3E**±.68	**68**±65		**6**	**1-3**
JMA	V	07 12 18 21.1±.4	27.89N±.02	130.16E±.04	64			¶97v1100
ISC	**V**	**08 11 46 22**±5.1	**26.1N**±.65	**127.41E**±.097	**9**±30		**5**	**0-2**
JMA	V	08 11 46 21.4±.3	26.03N±.03	127.44E±.01	22±2	3.0		¶97v1239
ISC	Poorly determined							
ISC	**V**	**08 15 41 45**±2.7	**26.5N**±.15	**127.5E**±.17	**97**±28		**8**	**0-3**
JMA	V	08 15 41 47.6±.2	26.72N±.01	127.41E±.01	60±3	3.6		¶97v1270
ISC	**V**	**08 16 12 21**±1.2	**29.9N**±.10	**130.1E**±.23	**86**±19		**10**	**0-3**
JMA	V	08 16 12 21.0±.1	29.86N±.01	130.05E±.02	83±2			¶97v1275
ISC	**V**	**09 04 49 38.7**±.62	**25.36N**±.046	**126.41E**±.052	**54**±5.6	**4.5b,4.2s**	**74**	**1-95**
BJI	V	09 04 49 33.5	24.99N	126.61E	33	3.8L,4.5b		¶97v1362
NEIC	V	09 04 49 36.2	25.46N	126.41E	33	4.7b,4.2s		
JMA	V	09 04 49 38.9±.1	25.71N±.05	126.15E±.04	81	4.6		
MOS	V	09 04 49 40.3	26.1N	126.3E	33	4.8b		
EIDC	V	09 04 49 42.5	25.5N	126.4E	73	4.1b,3.7s		
BJI	Ms4.1							
ISC	**V**	**09 06 28 37**±1.8	**28.3N**±.14	**129.7E**±.21	**44**±25		**6**	**0-3**
JMA	V	09 06 28 36.3±.2	28.36N±.03	129.71E±.04	47	3.5		¶97v1372
ISC	**V**	**09 22 58 13**±4.3	**28.3N**±.38	**130.2E**±.43	**37**		**4**	**0-2**
JMA	V	09 22 58 11.0±.3	28.25N±.03	130.36E±.03	37±3	3.3		¶97v1496
ISC	Poorly determined							
JMA	**V**	**09 23 25 57.5**±.5	**28.25N**±.04	**130.39E**±.04	**36**±4	**2.9**		¶97v1497
ISC	**V**	**10 06 10 45**±1.7	**28.7N**±.11	**128.6E**±.19	**12**	3.4b	**6**	**1-76**
JMA	V	10 06 10 46.0±.5	28.65N±.03	128.66E±.04	12	3.8		¶97v1532
JMA	**V**	**10 06 12 03.2**±.8	**28.65N**±.04	**128.78E**±.03	**0**	**3.3**		¶97v1533
JMA	**V**	**10 07 50 40.4**±.8	**28.70N**±.03	**128.66E**±.04	**0**	**3.2**		¶97v1547
JMA	**V**	**10 12 16 24.1**±.9	**28.70N**±.04	**128.68E**±.04	**0**	**3.0**		¶97v1597
ISC	**V**	**11 01 12 55**±2.5	**27.9N**±.19	**130.1E**±.25	**50**		**7**	**0-4**
JMA	V	11 01 12 54.5±.4	27.84N±.03	130.17E±.04	50±4	3.0		¶97v1697
JMA	**V**	**11 01 41 24.6**±.6	**25.95N**±.05	**127.44E**±.01	**21**±4	**2.9**		¶97v1700
JMA	**V**	**11 02 57 02.8**±.1	**28.14N**±.02	**129.48E**±.02	**8**±4	**2.8**		¶97v1711
ISC	**V**	**11 09 09 49**±1.2	**27.51N**±.073	**130.9E**±.12	**86**±33		**12**	**1-4**
JMA	V	11 09 09 49.4±.1	27.51N±.01	130.86E±.02	79±5			¶97v1763
ISC	**V**	**11 19 48 45**±1.4	**29.32N**±.080	**129.6E**±.26	**66**±31		**9**	**1-3**
JMA	V	11 19 48 44.9±.1	29.31N±.01	129.57E±.03	72±3			¶97v1833
ISC	**V**	**11 20 06 45**±1.6	**28.8N**±.10	**129.9E**±.28	**23**		**4**	**0-1**
JMA	V	11 20 06 45.2±.1	28.82N±.01	129.85E±.03	23±4	3.3		¶97v1837
ISC	Poorly determined							
ISC	**V**	**12 03 52 24.3**±.66	**26.64N**±.082	**126.5E**±.11	**135**±7.6	**3.2b**	**22**	**0-79**
EIDC	V	12 03 52 16.8	26.3N	130.1E	0	3.5b,3.6L		¶97v1886
JMA	V	12 03 52 24.8±.2	26.75N±.02	126.44E±.03	118			
ISC	**V**	**12 09 40 20**±1.9	**26.9N**±.12	**127.7E**±.13	**11**±18		**6**	**0-1**
JMA	V	12 09 40 20.4±.2	26.89N±.01	127.64E±.01	14±4	2.9		¶97v1932
ISC	**V**	**12 10 38 53**±1.7	**25.29N**±.078	**127.65E**±.080	**26**±13	**3.7b**	**22**	**1-86**
EIDC	V	12 10 38 51.7	25.4N	127.7E	0	3.6b		¶97v1941
JMA	V	12 10 38 53.1±.2	25.26N±.02	127.63E±.02	63±5			
NEIC	V	12 10 38 54.6	25.39N	127.47E	33	3.6b		
NEIC	Poor solution.							
ISC	**V**	**12 11 43 29**±1.7	**27.1N**±.13	**127.9E**±.14	**15**±10		**6**	**0-1**
JMA	V	12 11 43 28.7±.1	27.08N±.01	127.88E±.01	14±1	3.2		¶97v1948
ISC	**V**	**12 22 16 15**±3.2	**27.6N**±.42	**128.1E**±.34	**76**		**6**	**1-2**
JMA	V	12 22 16 14.9±.3	27.65N±.03	128.10E±.03	76			¶97v2056
ISC	Poorly determined							
ISC	**V**	**13 02 21 28**±1.1	**26.3N**±.13	**128.90E**±.098	**52**		**6**	**1-2**
JMA	V	13 02 21 27.2±.2	26.34N±.02	128.90E±.02	52	3.3		¶97v2111
ISC	**V**	**13 17 42 02**±1.6	**25.6N**±.30	**126.2E**±.22	**60**±57		**8**	**1-3**
JMA	V	13 17 42 01.1±.2	25.69N±.03	126.16E±.02	74±4			¶97v2284
ISC	**V**	**13 18 19 05**±1.5	**29.8N**±.11	**130.6E**±.19	**49**		**7**	**1-2**
JMA	V	13 18 19 04.7±.2	29.75N±.02	130.65E±.03	49	3.1		¶97v2290
JMA	**V**	**14 02 27 28.6**±.1	**27.44N**±.02	**127.49E**±.01	**120**±2			¶97v2368
JMA	**V**	**14 07 40 07.1**±.2	**28.26N**±.02	**130.25E**±.01	**41**±2	**2.8**		¶97v2408
ISC	**V**	**14 12 44 29**±1.1	**28.89N**±.077	**129.8E**±.23	**19**±20		**7**	**1-3**
JMA	V	14 12 44 28.7±.2	28.89N±.02	129.83E±.05	30	3.2		¶97v2449
JMA	**V**	**14 15 25 23.9**±.4	**28.56N**±.02	**128.73E**±.02	**26**	**2.9**		¶97v2470
ISC	**V**	**14 16 24 27**±4.2	**27.2N**±.40	**127.3E**±.30	**84**		**4**	**1-1**
JMA	V	14 16 24 27.5±.3	27.11N±.02	127.27E±.02	84±4			¶97v2482
ISC	Poorly determined							
ISC	**V**	**15 21 42 21.0**±.63	**26.75N**±.070	**128.46E**±.070	**47**±6.1	**3.8b**,3.2s	**30**	**0-78**
JMA	V	15 21 42 21.7±.2	26.85N±.03	128.40E±.03	37±3	3.9		¶97v2683
BJI	V	15 21 42 33.9	26.74N	127.52E	147	4.3b		
NEIC	V	15 21 42 36.4	27.48N	127.81E	147	4.3b		
EIDC	V	15 21 42 40.6	27.6N	128.1E	168	3.5b,3.2s		
NEIC	Less reliable solution.							
ISC	**V**	**16 09 20 31**±1.0	**29.0N**±.10	**130.0E**±.29	**58**		**6**	**1-2**
JMA	V	16 09 20 31.3±.2	29.00N±.02	130.04E±.07	58	3.0		¶97v2748
ISC	**V**	**16 15 13 35**±2.4	**28.2N**±.39	**129.2E**±.38	**28**		**4**	**0-2**
JMA	V	16 15 13 34.8±.2	28.17N±.03	129.19E±.02	28±2	3.1		¶97v2796
ISC	Poorly determined							
ISC	**V**	**16 16 31 51**±1.4	**25.9N**±.15	**128.58E**±.095	**54**		**7**	**1-2**
JMA	V	16 16 31 51.5±.3	25.93N±.02	128.56E±.02	54	3.4		¶97v2804
ISC	**V**	**16 16 37 22**±1.5	**25.92N**±.089	**128.59E**±.069	**26**±9.6	**3.9b**,4.0s	**28**	**1-86**
BJI	V	16 16 37 21.2	26.02N	128.66E	33	4.4b,4.1s		¶97v2808
JMA	V	16 16 37 21.8±.2	25.92N±.02	128.54E±.01	58	3.9		
NEIC	V	16 16 37 22.7	26.01N	128.61E	30	4.2b		
EIDC	V	16 16 37 23.6	25.9N	128.7E	28	3.6b,3.8L		
NEIC	Less reliable solution.							
ISC	**V**	**16 17 49 35**±1.5	**25.85N**±.080	**128.59E**±.074	**26**±11	**3.9b**,4.1s	**26**	**1-80**
JMA	V	16 17 49 35.9±.2	25.92N±.02	128.55E±.02	63±4	3.8		¶97v2815
BJI	V	16 17 49 36.4	25.94N	128.60E	40	4.4b,4.2s		
NEIC	V	16 17 49 38.4	26.13N	128.57E	33	3.5b		
EIDC	V	16 17 49 44.8	26.3N	128.5E	66	3.4b,3.4s		
NEIC	Poor solution.							
ISC	**V**	**17 08 46 31**±1.2	**26.1N**±.25	**129.5E**±.11	**50**		**6**	**1-2**
JMA	V	17 08 46 30.4±.2	26.14N±.04	129.48E±.02	50	3.7		¶97v2901
ISC	**V**	**17 11 30 53**±1.2	**28.82N**±.080	**129.8E**±.22	**18**±20		**7**	**0-3**
JMA	V	17 11 30 53.0±.1	28.82N±.01	129.85E±.03	24±5	3.1		¶97v2919
ISC	**V**	**18 10 08 21**±1.5	**25.8N**±.15	**128.47E**±.097	**57**		**7**	**1-2**
JMA	V	18 10 08 20.6±.3	25.84N±.03	128.47E±.01	57	3.1		¶97v3064
ISC	**V**	**18 17 51 58**±1.6	**26.9N**±.41	**127.6E**±.31	**68**		**4**	**0-1**
JMA	V	18 17 51 57.9±.0	26.90N±.01	127.59E±.01	68±1			¶97v3126
ISC	Poorly determined							
ISC	**V**	**19 07 46 00**±1.4	**29.6N**±.13	**130.8E**±.32	**60**±60		**8**	**1-3**
JMA	V	19 07 45 59.5±.1	29.62N±.01	130.76E±.03	64			¶97v3216

ISC	**V**	**19 07 55 35**±5.9	**29.8N**±.42	**130.9E**±.38	**50**			**5**	**1-2**
JMA	V	19 07 55 33.5±.6	29.69N±.04	130.99E±.03	50	3.0		**¶97v3218**	
ISC	**V**	**19 12 13 17**±3.7	**27.5N**±.22	**130.8E**±.34	**76**			**10**	**1-4**
JMA	V	19 12 13 17.7±.4	27.55N±.02	130.71E±.03	76			**¶97v3251**	
ISC	**V**	**19 19 22 49**±4.1	**28.0N**±.26	**130.8E**±.47	**72**±51			**10**	**1-4**
JMA	V	19 19 22 49.4±.3	28.01N±.02	130.76E±.04	77±5			**¶97v3295**	
ISC	**V**	**19 21 49 35.5**±.79	**28.61N**±.087	**129.1E**±.13	**55**			**9**	**0-3**
JMA	V	19 21 49 35.4±.1	28.61N±.02	129.13E±.03	55±5	3.5		**¶97v3308**	
ISC	**V**	**20 21 36 59**±2.2	**29.9N**±.17	**130.2E**±.35	**59**±40			**5**	**0-2**
JMA	V	20 21 36 58.3±.1	29.94N±.01	130.28E±.02	60±3	2.8		**¶97v3463**	
ISC	Poorly determined								
ISC	**V**	**21 03 55 43**±1.7	**25.07N**±.073	**128.08E**±.070	**18**±12	**4.1b**		**28**	**1-96**
EIDC	V	21 03 55 42.0	25.1N	128.1E	0	3.8b,4.5L		**¶97v3507**	
JMA	V	21 03 55 44.6±.3	25.12N±.02	128.05E±.02	54	4.0			
NEIC	V	21 03 55 45.3	25.11N	127.98E	33				
NEIC	Poor solution.								
ISC	**V**	**21 10 40 32**±1.4	**25.9N**±.14	**128.56E**±.089	**56**			**8**	**1-3**
JMA	V	21 10 40 32.2±.3	25.92N±.02	128.57E±.02	56	3.3		**¶97v3548**	
JMA	**V**	**21 10 44 13.8**±.4	**28.10N**±.04	**130.32E**±.03	**44**±5	**2.9**		**¶97v3549**	
ISC	**V**	**22 07 29 09**±3.7	**27.1N**±.39	**127.2E**±.30	**96**			**4**	**1-1**
JMA	V	22 07 29 09.6±.5	27.09N±.04	127.23E±.02	96±4			**¶97v3728**	
ISC	Poorly determined								
ISC	**V**	**22 08 48 39**±6.1	**27.9N**±.21	**130.4E**±.59	**57**			**6**	**1-4**
JMA	V	22 08 48 40.3±.5	27.96N±.03	130.18E±.05	57	3.2		**¶97v3743**	
ISC	**V**	**22 10 12 36**±1.3	**29.71N**±.088	**130.7E**±.22	**69**±35			**10**	**1-4**
JMA	V	22 10 12 36.2±.2	29.70N±.01	130.72E±.03	72			**¶97v3756**	
ISC	**V**	**22 19 46 47.0**±.88	**27.93N**±.070	**130.1E**±.11	**55**±24			**12**	**0-4**
JMA	V	22 19 46 46.7±.1	27.94N±.01	130.13E±.02	58±2	3.2		**¶97v3827**	
JMA	**V**	**23 03 01 49.7**±.2	**26.75N**±.03	**127.73E**±.03	**60**	**2.6**		**¶97v3873**	
ISC	**V**	**23 20 20 59.9**±.26	**27.73N**±.021	**127.58E**±.025	**134**±2.5	**5.0b**		**370**	**1-175**
MOS	V	23 20 21 00.2	27.8N	127.6E	140	5.2b		**¶97v4001**	
NEIC	V	23 20 21 00.2	27.74N	127.51E	136	5.2b			
BJI	V	23 20 21 00.5	27.66N	127.71E	163	5.2b			
JMA	V	23 20 21 00.7±.2	27.68N±.02	127.61E±.03	131	5.2			
EIDC	V	23 20 21 02.0	27.8N	127.5E	143	4.8b,3.6s			
HRVD	V	23 20 21 04.0±.3	27.60N±.04	127.66E±.06	142±2.1				
NEIC	Mw5.4(HRV).								

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c38; Mantle waves: s19,c23; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.45±.04; $M_{\theta\theta}$0.00±.08; $M_{\phi\phi}$0.45±.08; $M_{r\theta}$−1.00±.04; $M_{r\phi}$−0.76±.05; $M_{\theta\phi}$0.46±.08. Principal Axes: T 1.50,Plg32°,Azm131°; N −0.18,Plg13°,Azm230°; P −1.32,Plg54°,Azm339°. Best double couple: $M_0$1.4×10^{17}Nm, NP1:ϕ_S181°,δ18°,λ−140°. NP2:ϕ_S52°,δ79°,λ−76°.

ISC	**V**	**23 21 17 07**±2.2	**24.19N**±.046	**126.35E**±.041	**12**±13	**4.3b,4.1s**		**76**	**1-87**
JMA	V	23 21 17 01.7±.4	23.81N±.04	126.50E±.02	0	4.7		**¶97v4007**	
EIDC	V	23 21 17 06.6	24.2N	126.3E	0	4.1b,3.4s			
BJI	V	23 21 17 09.4	24.33N	126.26E	24	3.7L,4.5b			
NEIC	V	23 21 17 09.6	24.22N	126.33E	33	4.3b			
MOS	V	23 21 17 29.3	25.6N	125.8E	126	4.9b			
BJI	Ms4.4								
ISC	**V**	**24 03 51 53**±1.0	**27.88N**±.077	**130.1E**±.12	**48**±32			**9**	**0-4**
JMA	V	24 03 51 52.9±.2	27.88N±.01	130.12E±.02	55±3	3.1		**¶97v4043**	
JMA	**V**	**24 05 53 55.9**±.6	**28.34N**±.04	**130.45E**±.04	**42**	**2.9**		**¶97v4062**	
ISC	**V**	**24 07 12 36.7**±.98	**29.35N**±.061	**129.8E**±.19	**84**±21			**13**	**0-4**
JMA	V	24 07 12 36.9±.2	29.41N±.02	129.65E±.05	78±4			**¶97v4071**	
ISC	**V**	**24 16 30 11**±1.6	**30.0N**±.10	**130.1E**±.21	**13**±16			**6**	**0-2**
JMA	V	24 16 30 10.8±.1	29.95N±.01	130.03E±.03	21±2	2.9		**¶97v4140**	
ISC	**V**	**25 11 37 03**±1.5	**28.86N**±.093	**129.9E**±.30	**23**			**4**	**1-1**
JMA	V	25 11 37 03.5±.1	28.86N±.01	129.83E±.03	23	2.8		**¶97v4265**	
ISC	Poorly determined								
ISC	**V**	**26 04 11 07**±1.3	**28.3N**±.22	**129.5E**±.20	**25**			**4**	**0-2**
JMA	V	26 04 11 06.9±.1	28.27N±.02	129.50E±.02	25	2.8		**¶97v4363**	
ISC	Poorly determined								
ISC	**V**	**26 05 18 08.3**±.79	**28.2N**±.12	**129.3E**±.20	**57**±11	**3.8b**		**18**	**0-72**
JMA	V	26 05 18 04.8±.2	27.86N±.02	129.97E±.03	56±3	3.9		**¶97v4369**	
EIDC	V	26 05 18 06.2	28.9N	130.0E	0	3.8b,4.3L			
ISC	**V**	**26 08 30 19**±10	**27.2N**±.48	**130.7E**±.85	**74**			**7**	**1-3**
JMA	V	26 08 30 19.9±.3	27.20N±.02	130.57E±.04	74			**¶97v4391**	
ISC	**V**	**26 21 55 26**±5.0	**28.0N**±.19	**130.4E**±.51	**51**			**7**	**1-4**
JMA	V	26 21 55 26.1±.6	28.03N±.03	130.34E±.05	51	3.0		**¶97v4470**	
ISC	**V**	**27 05 03 31**±1.0	**28.85N**±.080	**129.8E**±.22	**21**			**5**	**0-2**
JMA	V	27 05 03 30.7±.1	28.86N±.01	129.81E±.03	21	3.1		**¶97v4515**	
JMA	**V**	**27 11 04 50.7**±.1	**28.06N**±.01	**129.26E**±.01	**61**±1	**2.5**		**¶97v4558**	
ISC	**V**	**27 16 22 32.7**±.87	**29.93N**±.063	**130.0E**±.15	**18**±11			**12**	**0-3**
JMA	V	27 16 22 32.5±.1	29.95N±.01	129.98E±.03	25±2	3.4		**¶97v4591**	
JMA	**V**	**29 04 54 46.3**±.3	**26.61N**±.03	**126.59E**±.02	**75**±3			**¶97v4822**	
ISC	**V**	**29 10 55 44**±1.5	**28.3N**±.15	**129.3E**±.17	**13**			**4**	**0-2**
JMA	V	29 10 55 44.5±.2	28.29N±.02	129.25E±.02	13	3.5		**¶97v4859**	
ISC	Poorly determined								
ISC	**V**	**30 04 38 37**±4.8	**27.9N**±.34	**130.1E**±.35	**44**			**5**	**0-4**
JMA	V	30 04 38 37.8±.7	27.89N±.05	130.02E±.05	44	3.1		**¶97v4980**	
ISC	**V**	**30 08 43 16**±6.1	**28.2N**±.33	**130.2E**±.59	**38**			**4**	**0-2**
JMA	V	30 08 43 14.9±.3	28.18N±.02	130.29E±.03	38±2	3.1		**¶97v5007**	
ISC	Poorly determined								
ISC	**V**	**30 21 46 52**±1.5	**25.62N**±.079	**127.98E**±.080	**29**±12	**3.8b**		**17**	**1-74**
EIDC	V	30 21 46 48.2	26.1N	129.2E	0	3.8b		**¶97v5105**	
JMA	V	30 21 46 50.7±.3	25.53N±.02	128.03E±.02	40±4	3.5			
ISC	**V**	**30 23 50 06**±4.7	**25.4N**±.25	**128.0E**±.16	**1**±21			**7**	**1-3**
JMA	V	30 23 50 07.5±.6	25.42N±.04	128.04E±.03	13	3.2		**¶97v5118**	
ISC	**V**	**31 10 07 55**±4.1	**28.7N**±.18	**128.6E**±.54	**116**			**4**	**1-2**
JMA	V	31 10 07 54.1±.6	28.75N±.04	128.46E±.07	116			**¶97v5178**	
ISC	Poorly determined								
JMA	**V**	**31 18 48 30.4**±.2	**28.03N**±.01	**129.23E**±.02	**74**±2			**¶97v5221**	
ISC	**V**	**31 23 37 16**±6.1	**29.6N**±.44	**130.7E**±.38	**68**			**5**	**1-2**
JMA	V	31 23 37 17.2±.5	29.66N±.04	130.64E±.03	68			**¶97v5256**	
JMA	**VI**	**01 09 17 12.4**±.6	**25.28N**±.04	**127.92E**±.04	**24**	**3.2**		**¶97vi0050**	
JMA	**VI**	**01 10 51 43.0**±.3	**27.99N**±.02	**130.11E**±.03	**64**			**¶97vi0063**	
ISC	**VI**	**01 15 02 39.1**±.15	**27.04N**±.021	**129.57E**±.025	**39**±1.0*	**5.2b,5.4s**		**407**	**1-174**
JMA	VI	01 15 02 36.5±.1	26.90N±.01	129.57E±.01	67±5	5.4		**¶97vi0104**	
BJI	VI	01 15 02 37.7	27.03N	129.44E	31	5.1b,5.7s			
NEIC	VI	01 15 02 38.6	26.98N	129.54E	33	5.5b,5.1s			
EIDC	VI	01 15 02 38.8	26.9N	129.6E	29	4.6b,4.8s			
HRVD	VI	01 15 02 40.4±.2	26.89N±.03	129.46E±.03	18±1.3				
MOS	VI	01 15 02 40.5	27.4N	129.4E	33	5.6b,5.8s			
NEIC	Mw5.6(GS), Mw5.6(HRV).								

NEIC Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}−1.43; $M_{\theta\theta}$1.13; $M_{\phi\phi}$0.30; $M_{r\theta}$1.55; $M_{r\phi}$2.49; $M_{\theta\phi}$0.38. Depth 17km; Principal axes: T 2.95,Plg33°,Azm314°; N 0.50,Plg10°,Azm218°; P −3.45,Plg55°,Azm114°. Best double couple: $M_0$3.2×10^{17}Nm; NP1:ϕ_S78°,δ15°,λ−49°. NP2: ϕ_S216°,δ79°,λ−100°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c81; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.05±.06; $M_{\theta\theta}$0.84±.05; $M_{\phi\phi}$1.21±.08; $M_{r\theta}$0.87±.16; $M_{r\phi}$0.91±.16; $M_{\theta\phi}$1.23±.05. Principal Axes: T 2.61,Plg15°,Azm311°; N −0.22, Plg1°,Azm42°; P −2.39,Plg75°,Azm137°. Best double couple: $M_0$2.5×10^{17}Nm, NP1:ϕ_S39°, δ30°,λ−93°. NP2:ϕ_S222°,δ60°,λ−88°.

ISC	**VI**	**01 15 30 52**±1.0	**26.9N**±.10	**129.62E**±.094	**47**			**7**	**1-3**
JMA	VI	01 15 30 51.3±.1	26.91N±.01	129.62E±.01	47	3.1		**¶97vi0106**	
ISC	**VI**	**01 18 46 25.2**±.65	**26.93N**±.067	**129.58E**±.078	**59**	**3.9b,4.2s**		**27**	**1-77**
JMA	VI	01 18 46 23.5±.1	26.89N±.01	129.60E±.01	59	3.8		**¶97vi0121**	
BJI	VI	01 18 46 28.6	27.53N	131.73E	177	4.6b			
NEIC	VI	01 18 46 34.9	27.20N	131.18E	150				
EIDC	VI	01 18 46 35.8	27.2N	131.2E	136	3.3b			
NEIC	Single network solution.								
JMA	**VI**	**01 18 52 19.2**±.7	**27.21N**±.05	**129.72E**±.05	**93**			**¶97vi0122**	
ISC	**VI**	**01 19 01 20.2**±.86	**26.88N**±.081	**129.59E**±.086	**58**			**10**	**1-5**
JMA	VI	01 19 01 19.9±.1	26.87N±.01	129.61E±.01	58	3.4		**¶97vi0123**	
ISC	**VI**	**01 19 48 16.5**±.94	**26.89N**±.090	**129.60E**±.093	**54**			**8**	**1-3**
JMA	VI	01 19 48 16.2±.1	26.88N±.01	129.61E±.01	54	3.0		**¶97vi0127**	
ISC	**VI**	**01 21 07 08.2**±.94	**26.88N**±.090	**129.59E**±.093	**57**			**8**	**1-3**
JMA	VI	01 21 07 07.9±.1	26.86N±.01	129.61E±.01	57	3.3		**¶97vi0135**	
ISC	**VI**	**01 21 08 27**±1.1	**26.9N**±.11	**129.6E**±.10	**48**			**6**	**1-3**
JMA	VI	01 21 08 27.0±.1	26.86N±.01	129.60E±.01	48	3.0		**¶97vi0136**	
ISC	**VI**	**01 22 14 19**±4.2	**26.9N**±.32	**129.6E**±.36	**68**			**6**	**1-3**
JMA	VI	01 22 14 19.5±.4	26.94N±.03	129.54E±.03	68			**¶97vi0143**	
JMA	**VI**	**01 22 48 02.9**±.3	**27.96N**±.01	**130.26E**±.03	**47**	**3.2**		**¶97vi0149**	
ISC	**VI**	**02 01 04 53**±4.2	**27.0N**±.34	**129.5E**±.38	**76**			**6**	**1-3**
JMA	VI	02 01 04 53.0±.4	26.97N±.03	129.51E±.03	76			**¶97vi0155**	
ISC	**VI**	**02 05 54 55.3**±.99	**26.90N**±.099	**129.60E**±.099	**63**			**7**	**1-3**
JMA	VI	02 05 54 55.1±.1	26.89N±.01	129.61E±.01	63			**¶97vi0190**	
ISC	**VI**	**02 06 15 20**±4.2	**26.9N**±.31	**129.5E**±.33	**34**			**5**	**1-2**
JMA	VI	02 06 15 18.7±.7	26.85N±.04	129.56E±.04	34	3.1		**¶97vi0192**	
ISC	Poorly determined								
ISC	**VI**	**02 08 26 45.4**±.90	**26.91N**±.081	**129.57E**±.090	**50**			**10**	**1-4**
JMA	VI	02 08 26 44.9±.1	26.91N±.01	129.58E±.01	50	3.4		**¶97vi0210**	
ISC	**VI**	**02 09 45 20**±2.9	**27.7N**±.24	**130.1E**±.35	**57**±42			**8**	**1-3**
JMA	VI	02 09 45 20.5±.3	27.74N±.02	130.05E±.03	58	3.1		**¶97vi0219**	
ISC	**VI**	**02 13 56 58**±2.2	**26.9N**±.13	**129.6E**±.11	**83**±49			**8**	**1-3**
JMA	VI	02 13 56 58.5±.1	26.90N±.01	129.61E±.01	68			**¶97vi0247**	
JMA	**VI**	**02 15 03 28.7**±.8	**28.00N**±.03	**130.09E**±.05	**0**	**2.9**		**¶97vi0255**	
JMA	**VI**	**02 15 26 04.8**±.4	**26.61N**±.04	**129.61E**±.03	**50**	**2.9**		**¶97vi0258**	
ISC	**VI**	**02 15 27 08**±1.0	**26.90N**±.076	**129.61E**±.093	**66**±40			**13**	**1-5**
JMA	VI	02 15 27 07.4±.1	26.89N±.01	129.61E±.01	66			**¶97vi0259**	
ISC	**VI**	**02 15 50 37**±1.3	**26.9N**±.15	**129.6E**±.11	**51**			**6**	**1-3**
JMA	VI	02 15 50 36.4±.1	26.86N±.02	129.62E±.01	51	3.2		**¶97vi0263**	
ISC	**VI**	**02 15 52 31**±1.3	**26.9N**±.15	**129.6E**±.12	**60**			**6**	**1-3**
JMA	VI	02 15 52 31.0±.1	26.90N±.01	129.62E±.01	60	2.8		**¶97vi0265**	
ISC	**VI**	**02 16 25 48**±2.2	**26.8N**±.40	**129.6E**±.16	**55**			**5**	**1-3**
JMA	VI	02 16 25 47.2±.4	26.78N±.08	129.59E±.03	55	3.2		**¶97vi0267**	
ISC	**VI**	**02 18 17 59.1**±.94	**26.89N**±.091	**129.59E**±.093	**60**			**8**	**1-3**
JMA	VI	02 18 17 58.9±.1	26.87N±.01	129.61E±.01	60	3.6		**¶97vi0277**	
ISC	**VI**	**02 18 37 50.8**±.94	**26.88N**±.090	**129.60E**±.092	**54**			**8**	**1-3**
JMA	VI	02 18 37 50.5±.1	26.86N±.01	129.61E±.01	54	3.2		**¶97vi0280**	
ISC	**VI**	**02 18 39 58.5**±.99	**26.9N**±.10	**129.59E**±.096	**54**			**8**	**1-3**
JMA	VI	02 18 39 58.2±.1	26.86N±.01	129.60E±.01	54	3.3		**¶97vi0282**	
ISC	**VI**	**02 18 41 29**±1.9	**26.92N**±.056	**129.60E**±.066	**24**±16	**3.9b**,4.1s		**29**	**1-85**
EIDC	VI	02 18 41 27.4	27.0N	129.8E	0	3.8b,3.7L		**¶97vi0283**	
BJI	VI	02 18 41 28.8	26.99N	129.60E	29	4.4b,4.2s			
JMA	VI	02 18 41 29.3±.1	26.87N±.01	129.59E±.01	62				
NEIC	VI	02 18 41 30.4	27.03N	129.81E	33				
NEIC	Single network solution.								
ISC	**VI**	**02 18 51 11.6**±.72	**26.86N**±.054	**129.60E**±.068	**41**±7.7	**3.8b**,4.2s		**30**	**1-85**
BJI	VI	02 18 51 08.5	26.94N	129.85E	31	4.3b,4.1s		**¶97vi0286**	
EIDC	VI	02 18 51 08.7	26.7N	129.1E	0	3.7b,3.1L			
JMA	VI	02 18 51 11.2±.1	26.86N±.01	129.60E±.01	60	3.8			
NEIC	VI	02 18 51 11.3	26.70N	129.24E	33				
NEIC	Less reliable solution.								
ISC	**VI**	**02 19 19 21.6**±.17	**27.06N**±.022	**129.56E**±.026	**39**±1.4*	**5.0b,5.4s**		**350**	**1-174**
JMA	VI	02 19 19 18.7±.1	26.88N±.01	129.60E±.01	80±4	5.4		**¶97vi0291**	
BJI	VI	02 19 19 20.2	26.87N	129.49E	40	5.0b,5.7s			
NEIC	VI	02 19 19 21.2	27.05N	129.34E	33	5.1b,5.2s			
HRVD	VI	02 19 19 21.7±.5	27.00N±.05	129.85E±.05	21				
EIDC	VI	02 19 19 23.5	27.0N	129.4E	41	4.5b,4.1L			
MOS	VI	02 19 19 25.1	27.7N	129.2E	33	5.7b,5.7s			
NEIC	Mw5.4(HRV).								

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c52; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.50±.06; $M_{\theta\theta}$0.28±.05; $M_{\phi\phi}$1.22±.08; $M_{r\theta}$−0.16±.11; $M_{r\phi}$0.03±.12; $M_{\theta\phi}$0.70±.05. Principal Axes: T 1.60,Plg1°,Azm118°; N −0.08, Plg6°,Azm208°; P −1.52,Plg84°,Azm19°. Best double couple: $M_0$1.6×10^{17}Nm, NP1:ϕ_S202°, δ44°,λ−99°. NP2:ϕ_S34°,δ46°,λ−81°.

JMA	**VI**	**02 19 23 11.8**±.3	**26.79N**±.04	**129.60E**±.02	**51**	**3.9**		**¶97vi0292**	
ISC	**VI**	**02 19 23 50**±2.1	**26.8N**±.35	**129.6E**±.15	**47**			**5**	**1-2**
JMA	VI	02 19 23 49.1±.3	26.80N±.04	129.57E±.02	47	3.5		**¶97vi0293**	
ISC	**VI**	**02 19 25 05**±2.3	**26.8N**±.40	**129.6E**±.16	**55**			**5**	**1-3**
JMA	VI	02 19 25 04.6±.4	26.85N±.06	129.61E±.02	55	3.5		**¶97vi0294**	
ISC	**VI**	**02 19 30 55**±1.3	**26.90N**±.086	**129.59E**±.095	**62**±51	3.0b		**11**	**1-79**
JMA	VI	02 19 30 54.8±.1	26.88N±.01	129.60E±.01	56	3.7		**¶97vi0297**	
ISC	**VI**	**02 19 33 01.0**±.94	**26.88N**±.091	**129.58E**±.093	**60**			**8**	**1-3**
JMA	VI	02 19 33 00.8±.1	26.86N±.01	129.60E±.01	60	3.3		**¶97vi0299**	
ISC	**VI**	**02 19 36 43**±2.7	**26.9N**±.44	**129.6E**±.17	**56**			**5**	**1-3**
JMA	VI	02 19 36 43.1±.3	26.85N±.05	129.59E±.02	56	3.3		**¶97vi0300**	
ISC	**VI**	**02 19 36 58**±1.0	**26.9N**±.10	**129.61E**±.096	**57**			**7**	**1-3**
JMA	VI	02 19 36 57.8±.1	26.86N±.01	129.62E±.01	57	3.6		**¶97vi0301**	
ISC	**VI**	**02 19 48 06.4**±.94	**26.88N**±.090	**129.59E**±.093	**57**			**8**	**1-3**
JMA	VI	02 19 48 06.1±.1	26.86N±.01	129.60E±.01	57	2.9		**¶97vi0303**	
ISC	**VI**	**02 19 50 57.2**±.89	**26.89N**±.097	**129.58E**±.099	**70**±16	3.6b		**9**	**1-77**
JMA	VI	02 19 50 57.2±.1	26.86N±.01	129.60E±.01	56	3.0		**¶97vi0305**	
ISC	**VI**	**02 19 56 42**±1.5	**27.1N**±.40	**129.6E**±.17	**108**±30	3.0b		**6**	**1-77**
JMA	VI	02 19 56 44.3±.3	26.85N±.05	129.60E±.02	57	3.2		**¶97vi0307**	
ISC	**VI**	**02 19 57 33**±2.6	**26.8N**±.43	**129.6E**±.17	**51**			**5**	**1-3**
JMA	VI	02 19 57 33.1±.4	26.82N±.07	129.63E±.03	51	3.3		**¶97vi0308**	
ISC	**VI**	**02 19 58 26**±2.3	**26.8N**±.41	**129.6E**±.16	**55**			**5**	**1-3**
JMA	VI	02 19 58 25.7±.2	26.82N±.03	129.60E±.01	55	3.2		**¶97vi0309**	
ISC	**VI**	**02 20 00 42.6**±.94	**26.87N**±.091	**129.59E**±.093	**59**			**8**	**1-3**
JMA	VI	02 20 00 42.4±.1	26.85N±.01	129.60E±.01	59	3.4		**¶97vi0310**	
ISC	**VI**	**02 20 04 12.6**±.91	**26.87N**±.087	**129.58E**±.090	**59**			**9**	**1-3**
JMA	VI	02 20 04 12.4±.1	26.84N±.01	129.60E±.01	59	3.6		**¶97vi0311**	
ISC	**VI**	**02 20 06 18.8**±.94	**26.88N**±.091	**129.59E**±.093	**60**			**8**	**1-3**
JMA	VI	02 20 06 18.6±.1	26.86N±.01	129.60E±.01	60	3.3		**¶97vi0312**	
ISC	**VI**	**02 20 09 17.7**±.99	**26.8N**±.10	**129.57E**±.093	**43**			**8**	**1-3**
JMA	VI	02 20 09 17.2±.1	26.82N±.01	129.59E±.01	43	3.4		**¶97vi0313**	
ISC	**VI**	**02 20 33 57.6**±.94	**26.87N**±.090	**129.58E**±.093	**55**			**8**	**1-3**
JMA	VI	02 20 33 57.2±.1	26.85N±.01	129.59E±.01	55	3.2		**¶97vi0316**	

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °				
ISC	**VI**	**02 20 38 11**±3.3	**27.0N**±.48	**129.6E**±.18	**42**		**6**	**1-3**	JMA	VI	05 04 36 52.1±.1	29.90N±.01	130.62E±.03	51±4	3.2	¶97vi0712
JMA	VI	02 20 38 11.1±.3	26.83N±.04	129.58E±.02	42	3.1		¶97vi0319	**ISC**	**VI**	**05 06 26 12**±1.0	**26.9N**±.10	**129.59E**±.098	**63**		**8**	**1-3**
ISC	**VI**	**02 20 41 20.0**±.94	**26.88N**±.091	**129.60E**±.093	**58**		**8**	**1-3**	JMA	VI	05 06 26 11.4±.1	26.87N±.01	129.60E±.01	63		¶97vi0720
JMA	VI	02 20 41 19.7±.1	26.86N±.01	129.61E±.01	58	3.5		¶97vi0320	**ISC**	**VI**	**05 13 21 17**±1.2	**26.8N**±.13	**128.0E**±.15	**56**±19		**9**	**0-5**
ISC	**VI**	**02 20 46 14.8**±.94	**26.87N**±.092	**129.59E**±.094	**63**		**8**	**1-3**	JMA	VI	05 13 21 16.4±.1	26.79N±.01	128.03E±.02	57±2	3.1	¶97vi0778
JMA	VI	02 20 46 14.6±.1	26.85N±.01	129.60E±.01	63			¶97vi0322	**ISC**	**VI**	**05 13 57 34.8**±.41	**29.22N**±.030	**130.61E**±.033	**40**±4.5	**4.3b,4.4s**	**131**	**1-91**
ISC	**VI**	**02 21 03 46**±1.0	**26.91N**±.096	**129.60E**±.096	**48**		**9**	**1-3**	NEIC	VI	05 13 57 34.7	29.29N	130.53E	40	4.9b	¶97vi0783
JMA	VI	02 21 03 45.9±.1	26.90N±.01	129.61E±.01	48	3.3		¶97vi0323	BJI	VI	05 13 57 35.0	29.16N	130.61E	52	4.6b,4.3s	
ISC	**VI**	**02 21 07 52**±2.3	**26.91N**±.068	**129.64E**±.081	**27**±19	**3.7b**	**17**	**1-85**	JMA	VI	05 13 57 35.5±.1	29.25N±.01	130.49E±.03	72±4	4.5	
EIDC	VI	02 21 07 49.3	27.0N	129.7E	0	3.8b		¶97vi0325	MOS	VI	05 13 57 35.8	29.3N	130.5E	45	5.1b	
JMA	VI	02 21 07 52.2±.1	26.88N±.01	129.61E±.01	56	4.0			EIDC	VI	05 13 57 39.6	29.3N	130.5E	64	4.0b,4.1s	
ISC	**VI**	**02 21 15 44**±2.1	**26.90N**±.062	**129.61E**±.078	**31**±18	**3.7b**	**20**	**1-85**	**ISC**	**VI**	**05 15 00 31**±1.1	**28.3N**±.15	**129.5E**±.24	**31**±16		**5**	**0-2**
EIDC	VI	02 21 15 40.9	27.0N	129.8E	0	3.7b		¶97vi0329	JMA	VI	05 15 00 30.6±.2	28.38N±.02	129.52E±.03	36±3	2.8	¶97vi0792
JMA	VI	02 21 15 43.3±.1	26.88N±.01	129.62E±.01	57	3.5			ISC	Poorly determined						
ISC	**VI**	**02 21 20 07**±1.0	**26.87N**±.081	**129.61E**±.095	**58**±44		**11**	**1-5**	**JMA**	**VI**	**05 19 24 55.8**±.7	**26.95N**±.05	**129.42E**±.06	**65**		¶97vi0821
JMA	VI	02 21 20 06.4±.1	26.86N±.01	129.62E±.01	59	3.4		¶97vi0331	**JMA**	**VI**	**05 19 28 52.0**±.5	**29.57N**±.03	**130.90E**±.03	**26**	**2.8**	¶97vi0822
ISC	**VI**	**02 21 26 41.4**±.94	**26.87N**±.091	**129.58E**±.093	**58**		**8**	**1-3**	**ISC**	**VI**	**05 22 17 26**±1.0	**26.9N**±.11	**129.6E**±.10	**55**		**6**	**1-3**
JMA	VI	02 21 26 41.2±.1	26.85N±.01	129.59E±.01	58	3.4		¶97vi0333	JMA	VI	05 22 17 26.1±.1	26.88N±.01	129.60E±.01	55	2.9	¶97vi0837
ISC	**VI**	**02 21 36 29.2**±.95	**26.91N**±.088	**129.64E**±.091	**44**		**8**	**1-3**	**ISC**	**VI**	**05 22 31 19**±2.3	**27.2N**±.34	**127.7E**±.28	**83**		**4**	**0-1**
JMA	VI	02 21 36 28.6±.2	26.90N±.02	129.64E±.02	44	3.2		¶97vi0334	JMA	VI	05 22 31 19.1±.1	27.22N±.02	127.72E±.02	83±3		¶97vi0840
ISC	**VI**	**02 22 09 51**±2.7	**26.8N**±.64	**129.6E**±.25	**62**		**4**	**1-3**	ISC	Poorly determined						
JMA	VI	02 22 09 50.9±.1	26.72N±.04	129.55E±.02	62			¶97vi0339	**ISC**	**VI**	**05 22 47 19.7**±.95	**26.92N**±.089	**129.63E**±.091	**54**		**8**	**1-3**
ISC	Poorly determined								JMA	VI	05 22 47 19.4±.1	26.92N±.01	129.63E±.01	54	3.2	¶97vi0845
ISC	**VI**	**02 22 38 39.9**±.94	**26.88N**±.090	**129.60E**±.093	**56**		**8**	**1-3**	**ISC**	**VI**	**06 00 27 38**±1.1	**26.9N**±.12	**129.6E**±.11	**28**		**6**	**1-2**
JMA	VI	02 22 38 39.6±.1	26.86N±.01	129.61E±.01	56	3.6		¶97vi0342	JMA	VI	06 00 27 37.7±.2	26.91N±.01	129.65E±.01	28	3.1	¶97vi0859
ISC	**VI**	**02 22 51 18**±1.4	**26.90N**±.092	**129.6E**±.10	**67**±48		**10**	**1-5**	**ISC**	**VI**	**06 03 46 16**±1.0	**26.90N**±.098	**129.60E**±.098	**59**		**7**	**1-3**
JMA	VI	02 22 51 17.6±.1	26.90N±.01	129.63E±.01	58	3.5		¶97vi0344	JMA	VI	06 03 46 15.7±.1	26.89N±.01	129.61E±.01	59	3.0	¶97vi0878
ISC	**VI**	**02 23 02 49**±1.3	**26.9N**±.17	**129.6E**±.13	**57**		**5**	**1-3**	**ISC**	**VI**	**06 03 57 56**±6.4	**27.8N**±.28	**130.2E**±.68	**71**		**6**	**1-3**
JMA	VI	02 23 02 48.9±.2	26.87N±.02	129.62E±.02	57	3.0		¶97vi0346	JMA	VI	06 03 57 56.3±.5	27.90N±.03	130.10E±.06	71		¶97vi0880
ISC	**VI**	**02 23 05 20**±1.0	**26.9N**±.10	**129.60E**±.095	**48**		**8**	**1-3**	**ISC**	**VI**	**06 22 51 10**±3.2	**27.6N**±.19	**128.0E**±.20	**110**±33		**9**	**1-3**
JMA	VI	02 23 05 19.3±.1	26.85N±.01	129.60E±.01	48	3.4		¶97vi0347	JMA	VI	06 22 51 10.6±.3	27.64N±.03	127.91E±.03	100		¶97vi1008
ISC	**VI**	**02 23 06 10**±2.1	**26.7N**±.57	**129.5E**±.23	**55**		**4**	**1-2**	**ISC**	**VI**	**06 22 52 52**±1.7	**26.6N**±.13	**127.1E**±.11	**8**		**5**	**0-1**
JMA	VI	02 23 06 08.9±.3	26.81N±.06	129.60E±.02	55	3.2		¶97vi0348	JMA	VI	06 22 52 52.5±.2	26.63N±.01	127.09E±.01	8±5	3.2	¶97vi1009
ISC	Poorly determined								**ISC**	**VI**	**07 06 14 14.9**±.62	**28.72N**±.056	**130.1E**±.11	**49**±9.1	**3.7b**	**25**	**0-76**
ISC	**VI**	**02 23 08 31.9**±.94	**26.87N**±.092	**129.58E**±.094	**63**		**8**	**1-3**	EIDC	VI	07 06 14 06.3	28.0N	130.3E	0	3.6b,3.3s	¶97vi1052
JMA	VI	02 23 08 31.7±.1	26.85N±.01	129.59E±.01	63			¶97vi0350	JMA	VI	07 06 14 15.2±.1	28.84N±.01	129.87E±.03	39±3	3.8	
ISC	**VI**	**02 23 55 45**±1.7	**26.91N**±.054	**129.64E**±.067	**20**±12	**4.1b**,4.3s	**39**	**1-93**	**ISC**	**VI**	**07 06 17 32**±1.4	**28.86N**±.095	**129.9E**±.26	**17**±25		**5**	**1-2**
EIDC	VI	02 23 55 43.9	27.0N	129.7E	0	4.1b,3.7L		¶97vi0354	JMA	VI	07 06 17 32.2±.1	28.87N±.01	129.87E±.03	20	3.3	¶97vi1053
JMA	VI	02 23 55 46.1±.1	26.87N±.01	129.62E±.01	66				ISC	Poorly determined						
MOS	VI	02 23 55 46.9	27.0N	129.7E	33	5.0b			**ISC**	**VI**	**07 10 25 14**±3.1	**27.8N**±.24	**130.2E**±.35	**58**±34		**10**	**1-4**
BJI	VI	02 23 55 46.9	27.26N	130.41E	33	5.0b,4.3s			JMA	VI	07 10 25 14.6±.4	27.89N±.03	130.14E±.04	59±3	3.2	¶97vi1081
NEIC	VI	02 23 55 46.9	26.97N	129.63E	33				**ISC**	**VI**	**07 12 08 24**±1.4	**28.84N**±.091	**129.8E**±.28	**16**		**4**	**0-1**
NEIC	Less reliable solution.								JMA	VI	07 12 08 24.5±.2	28.85N±.01	129.85E±.03	16	2.8	¶97vi1093
JMA	**VI**	**03 01 03 16.5**±.9	**26.85N**±.05	**129.59E**±.06	**54**	**2.9**		¶97vi0362	ISC	Poorly determined						
ISC	**VI**	**03 01 28 59**±4.8	**27.0N**±.46	**129.5E**±.51	**84**±59		**7**	**1-3**	**ISC**	**VI**	**07 16 35 28.1**±.94	**26.50N**±.089	**128.85E**±.072	**18**		**9**	**1-2**
JMA	VI	03 01 28 59.1±.3	26.85N±.02	129.61E±.02	57	3.3		¶97vi0366	JMA	VI	07 16 35 27.8±.2	26.51N±.01	128.89E±.01	18	3.4	¶97vi1121
JMA	**VI**	**03 02 29 32.6**±.5	**26.89N**±.03	**129.59E**±.04	**68**			¶97vi0376	**ISC**	**VI**	**07 19 29 50**±3.0	**28.1N**±.32	**128.3E**±.30	**92**		**6**	**1-2**
JMA	**VI**	**03 04 24 11.7**±.7	**26.93N**±.04	**129.55E**±.06	**74**			¶97vi0387	JMA	VI	07 19 29 50.4±.4	28.07N±.04	128.36E±.04	92		¶97vi1135
ISC	**VI**	**03 08 22 44**±4.1	**26.9N**±.30	**129.6E**±.33	**47**		**7**	**1-3**	**ISC**	**VI**	**07 20 11 08**±1.1	**27.10N**±.095	**130.4E**±.14	**57**		**6**	**1-4**
JMA	VI	03 08 22 43.7±.4	26.90N±.03	129.59E±.03	47	3.3		¶97vi0407	JMA	VI	07 20 11 07.4±.2	27.08N±.02	130.38E±.02	57	3.1	¶97vi1138
ISC	**VI**	**03 10 02 21**±1.7	**26.84N**±.071	**129.59E**±.090	**17**±15	**3.7b**	**13**	**1-77**	**JMA**	**VI**	**08 01 55 37.2**±.2	**27.97N**±.02	**130.21E**±.02	**49**±4	**3.0**	¶97vi1165
EIDC	VI	03 10 02 20.2	26.9N	130.1E	0	3.6b,4.4L		¶97vi0424	**JMA**	**VI**	**08 10 11 15.8**±.2	**29.44N**±.02	**130.27E**±.02	**38**±5	**3.1**	¶97vi1216
JMA	VI	03 10 02 21.8±.1	26.84N±.01	129.58E±.01	60	3.6			**ISC**	**VI**	**08 12 37 43**±1.2	**26.1N**±.19	**128.7E**±.11	**73**		**6**	**1-2**
ISC	**VI**	**03 10 25 56.4**±.94	**26.87N**±.090	**129.58E**±.092	**50**		**8**	**1-3**	JMA	VI	08 12 37 43.2±.3	26.06N±.03	128.70E±.02	73		¶97vi1237
JMA	VI	03 10 25 56.0±.1	26.86N±.01	129.59E±.01	50	3.1		¶97vi0426	**ISC**	**VI**	**08 20 46 15.7**±.40	**28.23N**±.032	**130.30E**±.034	**36**±3.8	**4.4b,4.5s**	**142**	**0-96**
ISC	**VI**	**03 11 26 33.8**±.90	**26.87N**±.088	**129.57E**±.091	**64**		**9**	**1-3**	JMA	VI	08 20 46 15.6±.1	28.21N±.01	130.32E±.02	47±2	4.8	¶97vi1283
JMA	VI	03 11 26 33.5±.2	26.86N±.02	129.58E±.02	64			¶97vi0438	BJI	VI	08 20 46 15.7	28.20N	130.32E	50	4.7b,4.6s	
JMA	**VI**	**03 14 51 09.4**±.5	**26.83N**±.03	**129.53E**±.04	**53**	**3.1**		¶97vi0470	MOS	VI	08 20 46 16.0	28.3N	130.2E	33	4.9b,4.8s	
ISC	**VI**	**03 15 22 59**±3.2	**28.5N**±.28	**128.4E**±.20	**31**		**7**	**1-3**	NEIC	VI	08 20 46 16.7	28.30N	130.32E	45	4.8b,4.4s	
JMA	VI	03 15 22 57.6±.6	28.50N±.04	128.36E±.03	31	3.4		¶97vi0475	EIDC	VI	08 20 46 18.2	28.3N	130.3E	39	4.2b,3.6s	
ISC	**VI**	**03 15 48 34.4**±.94	**26.86N**±.091	**129.57E**±.093	**59**		**8**	**1-3**	**JMA**	**VI**	**08 20 54 23.5**±.4	**28.23N**±.02	**130.29E**±.03	**40**	**2.9**	¶97vi1284
JMA	VI	03 15 48 34.2±.1	26.84N±.01	129.59E±.01	59	3.3		¶97vi0483	**JMA**	**VI**	**08 21 04 54.1**±.3	**28.25N**±.03	**130.31E**±.02	**40**±3	**3.4**	¶97vi1286
JMA	**VI**	**03 16 23 32.3**±.3	**29.49N**±.01	**129.42E**±.05	**17**	**3.1**		¶97vi0488	**JMA**	**VI**	**08 21 20 02.9**±.5	**28.27N**±.03	**130.31E**±.04	**43**	**3.0**	¶97vi1287
ISC	**VI**	**03 18 46 29.5**±.96	**26.8N**±.10	**129.58E**±.092	**56**		**9**	**1-3**	**JMA**	**VI**	**08 21 27 05.1**±.4	**28.48N**±.03	**129.97E**±.02	**31**±2	**3.4**	¶97vi1289
JMA	VI	03 18 46 29.2±.1	26.83N±.01	129.60E±.01	56	3.2		¶97vi0503	**ISC**	**VI**	**08 23 29 19**±2.3	**28.2N**±.16	**130.2E**±.27	**46**		**8**	**0-4**
ISC	**VI**	**03 18 47 43**±1.9	**26.6N**±.55	**129.5E**±.22	**48**		**4**	**1-2**	JMA	VI	08 23 29 18.4±.4	28.22N±.03	130.33E±.04	46	3.2	¶97vi1298
JMA	VI	03 18 47 42.6±.1	26.58N±.05	129.52E±.02	48	2.9		¶97vi0504	**JMA**	**VI**	**09 18 01 47.7**±.4	**28.40N**±.04	**130.39E**±.03	**41**±3	**2.9**	¶97vi1428
ISC	Poorly determined								**ISC**	**VI**	**10 09 27 29**±1.4	**28.72N**±.090	**129.6E**±.19	**15**		**4**	**0-1**
ISC	**VI**	**03 21 10 22**±1.5	**29.14N**±.093	**130.3E**±.25	**70**±33		**10**	**1-3**	JMA	VI	10 09 27 29.5±.1	28.72N±.01	129.54E±.02	15±4	2.8	¶97vi1503
JMA	VI	03 21 10 21.8±.1	29.14N±.01	130.34E±.03	71±4			¶97vi0514	ISC	Poorly determined						
ISC	**VI**	**03 23 21 55**±2.3	**26.9N**±.12	**129.6E**±.13	**84**±52		**6**	**1-3**	**ISC**	**VI**	**10 16 45 24**±1.6	**26.4N**±.15	**127.0E**±.18	**71**		**7**	**0-3**
JMA	VI	03 23 21 55.4±.2	26.89N±.02	129.59E±.02	63			¶97vi0533	JMA	VI	10 16 45 23.5±.4	26.40N±.03	126.96E±.02	71±4		¶97vi1548
ISC	**VI**	**04 01 09 46**±4.2	**26.9N**±.32	**129.6E**±.36	**66**		**6**	**1-3**	**ISC**	**VI**	**10 20 46 53**±2.0	**26.93N**±.067	**129.59E**±.083	**20**±19	**3.9b**	**16**	**1-73**
JMA	VI	04 01 09 45.8±.5	26.91N±.03	129.56E±.03	66			¶97vi0540	EIDC	VI	10 20 46 42.9	28.2N	136.3E	0	3.9b	¶97vi1567
ISC	**VI**	**04 02 21 05**±1.2	**29.06N**±.084	**129.8E**±.27	**19**±21		**6**	**1-2**	JMA	VI	10 20 46 53.7±.1	26.91N±.01	129.56E±.01	59	3.7	
JMA	VI	04 02 21 05.2±.2	29.06N±.02	129.87E±.05	27	3.0		¶97vi0543	**ISC**	**VI**	**11 01 00 18**±1.5	**28.88N**±.088	**129.8E**±.19	**9**±16		**10**	**1-4**
JMA	**VI**	**04 04 14 41.1**±.0	**28.31N**±.01	**129.44E**±.00	**8**	**2.8**		¶97vi0554	JMA	VI	11 01 00 18.6±.1	28.86N±.01	129.85E±.03	24±3	3.3	¶97vi1596
ISC	**VI**	**04 11 55 52.9**±.94	**26.87N**±.091	**129.57E**±.093	**58**		**8**	**1-3**	**ISC**	**VI**	**11 02 41 51**±7.7	**28.0N**±.19	**130.3E**±.72	**45**		**7**	**0-4**
JMA	VI	04 11 55 52.6±.1	26.85N±.01	129.58E±.01	58	3.2		¶97vi0609	JMA	VI	11 02 41 52.0±.7	27.95N±.02	130.24E±.06	45	3.4	¶97vi1609
ISC	**VI**	**04 13 07 10**±3.9	**26.8N**±.28	**126.8E**±.27	**111**±47		**9**	**0-6**	**ISC**	**VI**	**11 19 04 36**±2.5	**29.3N**±.14	**130.4E**±.38	**70**±62		**6**	**1-2**
JMA	VI	04 13 07 11.2±.3	26.86N±.02	126.89E±.02	96±4			¶97vi0617	JMA	VI	11 19 04 36.3±.2	29.32N±.02	130.35E±.05	74		¶97vi1734
ISC	**VI**	**04 14 10 47**±2.3	**26.89N**±.044	**129.62E**±.058	**3**±15	**4.0b**,3.2s	**48**	**1-92**	**JMA**	**VI**	**11 23 46 16.9**±.5	**25.28N**±.04	**128.06E**±.02	**75**		¶97vi1771
JMA	VI	04 14 10 50.1±.1	26.91N±.01	129.61E±.01	64			¶97vi0624	**ISC**	**VI**	**12 01 17 35**±2.1	**27.8N**±.36	**128.4E**±.37	**64**±53		**6**	**1-2**
NEIC	VI	04 14 10 51.6	26.92N	129.76E	35	4.0b			JMA	VI	12 01 17 34.9±.2	27.74N±.03	128.39E±.03	65		¶97vi1782
BJI	VI	04 14 10 52.2	26.72N	129.24E	38	4.2b,4.1s			**ISC**	**VI**	**12 10 53 06**±1.5	**28.8N**±.15	**128.5E**±.21	**125**		**8**	**1-3**
EIDC	VI	04 14 10 53.9	26.9N	129.7E	37	3.7b,4.0L			JMA	VI	12 10 53 06.0±.2	28.75N±.02	128.51E±.03	125		¶97vi1828
NEIC	Less reliable solution.								**JMA**	**VI**	**12 15 29 54.0**±.4	**28.78N**±.03	**129.50E**±.02	**39**±3	**2.8**	¶97vi1867
ISC	**VI**	**04 15 41 06**±4.0	**26.9N**±.30	**129.6E**±.34	**64**		**7**	**1-3**	**ISC**	**VI**	**12 17 17 28**±1.0	**26.9N**±.10	**129.62E**±.099	**39**		**8**	**1-3**
JMA	VI	04 15 41 06.5±.4	26.96N±.03	129.58E±.03	64			¶97vi0633	JMA	VI	12 17 17 27.0±.1	26.92N±.01	129.63E±.01	39	2.9	¶97vi1877
ISC	**VI**	**04 16 43 30.2**±.87	**26.87N**±.071	**129.58E**±.088	**82**±24		**17**	**1-6**	**ISC**	**VI**	**12 19 59 47**±1.8	**28.5N**±.12	**130.2E**±.22	**30**±10		**16**	**0-5**
JMA	VI	04 16 43 30.6±.1	26.89N±.01	129.61E±.01	61			¶97vi0647	JMA	VI	12 19 59 46.0±.2	28.43N±.02	130.23E±.03	38±2	3.4	¶97vi1892
ISC	**VI**	**04 16 48 54.0**±.90	**26.91N**±.084	**129.59E**±.093	**68**		**9**	**1-3**	**JMA**	**VI**	**14 23 09 07.4**±.5	**28.34N**±.05	**129.28E**±.04	**10**	**2.9**	¶97vi2190
JMA	VI	04 16 48 53.9±.1	26.91N±.01	129.60E±.01	68			¶97vi0648	**ISC**	**VI**	**15 02 27 21**±1.3	**28.8N**±.19	**130.1E**±.35	**34**		**5**	**1-3**
ISC	**VI**	**04 17 38 24.5**±.94	**26.92N**±.089	**129.61E**±.093	**52**		**9**	**1-3**	JMA	VI	15 02 27 20.4±.1	28.85N±.02	130.15E±.04	34±4	3.0	¶97vi2217
JMA	VI	04 17 38 24.2±.2	26.90N±.02	129.61E±.02	52	3.0		¶97vi0652	**ISC**	**VI**	**15 14 08 58**±2.5	**28.1N**±.18	**130.4E**±.29	**48**±34		**13**	**0-4**
ISC	**VI**	**04 18 17 39**±5.0	**26.8N**±.39	**126.7E**±.44	**87**		**4**	**1-1**	JMA	VI	15 14 08 57.5±.3	28.08N±.02	130.38E±.03	54±4	3.4	¶97vi2311
JMA	VI	04 18 17 39.9±.3	26.81N±.03	126.77E±.03	87			¶97vi0655	**JMA**	**VI**	**15 16 08 02.1**±.3	**27.99N**±.01	**130.19E**±.02	**47**	**2.8**	¶97vi2325
ISC	Poorly determined								**ISC**	**VI**	**15 19 02 09**±2.1	**28.0N**±.15	**130.0E**±.23	**32**±13		**10**	**0-4**
ISC	**VI**	**04 19 50 45**±1.0	**26.86N**±.097	**129.57E**±.095	**41**		**7**	**1-3**	JMA	VI	15 19 02 07.4±.5	27.98N±.03	130.09E±.05	48	3.2	¶97vi2345
JMA	VI	04 19 50 44.4±.1	26.85N±.01	129.59E±.01	41	3.0		¶97vi0667	**JMA**	**VI**	**15 19 47 12.4**±.4	**25.79N**±.03	**127.02E**±.02	**12**±4	**2.9**	¶97vi2349
ISC	**VI**	**04 22 47 58**±1.0	**28.1N**±.25	**129.4E**±.26	**35**		**5**	**0-2**	**ISC**	**VI**	**15 20 00 49**±1.7	**28.8N**±.11	**129.9E**±.31	**28**		**5**	**1-2**
JMA	VI	04 22 47 58.4±.1	28.07N±.03	129.40E±.03	35±4	3.2		¶97vi0679	JMA	VI	15 20 00 48.8±.3	28.84N±.02	129.98E±.06	28	2.8	¶97vi2350
ISC	**VI**	**05 00 06 26**±2.3	**26.3N**±.15	**127.7E**±.44	**27**		**4**	**0-1**	ISC	Poorly determined						
JMA	VI	05 00 06 26.3±.2	26.32N±.01	127.65E±.04	27	2.8		¶97vi0689	**ISC**	**VI**	**15 20 22 51**±4.3	**28.9N**±.14	**128.6E**±.39	**11**		**4**	**1-1**
ISC	Poorly determined								JMA	VI	15 20 22 50.7±.6	28.94N±.02	128.61E±.04	11	3.3	¶97vi2352
ISC	**VI**	**05 04 12 49**±1.5	**28.7N**±.14	**128.5E**±.21	**123**		**7**	**1-3**	ISC	Poorly determined						
JMA	VI	05 04 12 49.2±.3	28.66N±.02	128.51E±.03	123			¶97vi0710	**JMA**	**VI**	**15 23 02 32.8**±.5	**28.79N**±.02	**128.74E**±.04	**0**	**3.1**	¶97vi2370
ISC	**VI**	**05 04 36 51.2**±.49	**29.85N**±.047	**130.8E**±.10	**58**±27		**37**	**1-7**	**JMA**	**VI**	**16 17 55 23.6**±.2	**26.95N**±.02	**127.43E**±.01	**79**±2		¶97vi2497
									JMA	**VI**	**16 22 32 39.2**±.5	**27.85N**±.02	**130.18E**±.04	**37**	**2.8**	¶97vi2517
									JMA	**VI**	**17 11 52 00.4**±.9	**28.80N**±.04	**128.77E**±.04	**0**	**3.0**	¶97vi2617

ISC	**VI**	**17 14 03 46.3**±.57	**29.96N**±.059	**130.91E**±.091	**59**±23			**43**	**1-9**
JMA	VI	17 14 03 47.1±.3	29.98N±.02	130.79E±.03	61±5	3.2			¶97vi2643
ISC	**VI**	**17 19 34 39**±2.7	**28.2N**±.27	**131.0E**±.25	**79**	3.6b		**5**	**1-76**
JMA	VI	17 19 34 39.5±.4	28.17N±.03	130.92E±.03	79				¶97vi2681
ISC	**VI**	**17 21 04 22**±1.1	**28.87N**±.068	**129.9E**±.17	**17**±16			**13**	**1-4**
JMA	VI	17 21 04 22.1±.1	28.87N±.01	129.88E±.03	28±4	3.2			¶97vi2691
JMA	**VI**	**17 22 00 36.8**±.2	**28.94N**±.01	**129.86E**±.01	**16**±2	**2.9**			¶97vi2695
JMA	**VI**	**18 04 27 38.1**±.3	**28.15N**±.03	**130.34E**±.03	**41**±4	**3.2**			¶97vi2727
ISC	**VI**	**18 07 32 00**±1.0	**26.95N**±.097	**129.62E**±.097	**62**			**7**	**1-3**
JMA	VI	18 07 32 00.0±.1	26.92N±.01	129.63E±.01	62				¶97vi2744
ISC	**VI**	**18 09 59 00**±1.1	**27.0N**±.11	**129.6E**±.11	**60**			**6**	**1-3**
JMA	VI	18 09 59 00.1±.1	26.93N±.02	129.63E±.01	60	3.0			¶97vi2773
ISC	**VI**	**18 22 04 47**±1.1	**26.9N**±.11	**129.6E**±.11	**61**			**6**	**1-3**
JMA	VI	18 22 04 46.9±.2	26.94N±.02	129.64E±.02	61				¶97vi2834
ISC	**VI**	**19 00 26 12**±1.4	**28.97N**±.078	**129.8E**±.29	**2**			**4**	**1-1**
JMA	VI	19 00 26 12.8±.3	28.95N±.01	129.82E±.05	2±5	3.1			¶97vi2849
ISC	Poorly determined								
ISC	**VI**	**19 06 09 01**±1.2	**28.1N**±.32	**129.3E**±.29	**43**			**6**	**0-3**
JMA	VI	19 06 09 00.7±.1	28.12N±.02	129.30E±.02	43±2	3.1			¶97vi2873
ISC	**VI**	**19 16 50 25**±1.8	**28.0N**±.21	**128.8E**±.19	**36**			**6**	**0-2**
JMA	VI	19 16 50 24.0±.2	28.06N±.02	128.72E±.02	36	3.1			¶97vi2942
JMA	**VI**	**20 01 13 54.5**±.7	**28.11N**±.03	**130.35E**±.05	**44**	**2.9**			¶97vi2984
ISC	**VI**	**20 16 25 04.3**±.82	**29.11N**±.088	**130.0E**±.25	**38**			**7**	**1-3**
JMA	VI	20 16 25 03.8±.1	29.11N±.01	130.04E±.04	38	2.9			¶97vi3082
ISC	**VI**	**20 16 31 16**±2.3	**28.1N**±.12	**130.2E**±.20	**32**±13			**13**	**0-4**
JMA	VI	20 16 31 14.6±.4	28.12N±.02	130.28E±.04	42±3	2.9			¶97vi3084
ISC	**VI**	**20 23 51 18**±1.4	**29.4N**±.13	**129.6E**±.37	**75**			**6**	**0-2**
JMA	VI	20 23 51 17.9±.2	29.43N±.01	129.59E±.05	75±4				¶97vi3126
ISC	**VI**	**21 03 37 20**±4.1	**27.4N**±.26	**130.4E**±.34	**67**			**7**	**1-3**
JMA	VI	21 03 37 19.8±.3	27.45N±.02	130.34E±.03	67				¶97vi3150
JMA	**VI**	**21 05 13 02.7**±.2	**28.17N**±.01	**129.81E**±.01	**3**±5	**2.8**			¶97vi3162
JMA	**VI**	**21 11 18 47.9**±.7	**25.66N**±.04	**126.85E**±.03	**7**	**3.0**			¶97vi3206
ISC	**VI**	**21 15 54 41**±1.6	**29.1N**±.11	**130.7E**±.26	**66**			**8**	**1-3**
JMA	VI	21 15 54 41.1±.2	29.14N±.01	130.70E±.03	66				¶97vi3241
ISC	**VI**	**21 16 29 17**±1.6	**29.1N**±.12	**130.7E**±.26	**69**			**11**	**1-4**
JMA	VI	21 16 29 16.7±.2	29.15N±.02	130.68E±.04	69				¶97vi3245
ISC	**VI**	**21 16 37 12**±1.6	**29.1N**±.11	**130.7E**±.25	**60**			**8**	**1-3**
JMA	VI	21 16 37 11.9±.2	29.14N±.02	130.71E±.03	60	2.9			¶97vi3246
ISC	**VI**	**21 17 28 54**±5.0	**26.3N**±.30	**128.1E**±.37	**13**			**5**	**0-1**
JMA	VI	21 17 28 54.8±.3	26.33N±.02	128.05E±.02	13	2.8			¶97vi3256
JMA	**VI**	**21 19 03 45.0**±.3	**27.91N**±.02	**130.12E**±.03	**64**				¶97vi3267
ISC	**VI**	**21 20 07 57**±1.6	**27.4N**±.10	**129.1E**±.12	**25**±21			**7**	**0-2**
JMA	VI	21 20 07 56.9±.3	27.38N±.02	129.09E±.03	29	3.0			¶97vi3273
ISC	**VI**	**22 04 24 59**±1.0	**28.36N**±.099	**128.3E**±.16	**128**			**11**	**1-4**
JMA	VI	22 04 24 58.6±.2	28.36N±.02	128.32E±.03	128				¶97vi3325
ISC	**VI**	**22 18 23 29.2**±.61	**26.85N**±.053	**128.97E**±.060	**39**±7.1	**3.9b**		**40**	**1-94**
BJI	VI	22 18 23 26.9	26.76N	128.73E	18	4.6b			¶97vi3418
JMA	VI	22 18 23 28.8±.2	26.79N±.02	128.96E±.02	58	4.1			
NEIC	VI	22 18 23 29.3	26.93N	129.18E	33				
EIDC	VI	22 18 23 35.2	27.0N	129.4E	70	3.6b			
NEIC	Less reliable solution.								
ISC	**VI**	**23 11 44 36.7**±.94	**26.85N**±.091	**129.59E**±.093	**58**			**8**	**1-3**
JMA	VI	23 11 44 36.4±.1	26.83N±.01	129.60E±.01	58	3.3			¶97vi3520
ISC	**VI**	**23 19 50 50**±4.1	**28.7N**±.20	**128.5E**±.51	**107**			**4**	**1-2**
JMA	VI	23 19 50 50.0±.5	28.69N±.03	128.48E±.05	107				¶97vi3585
ISC	Poorly determined								
JMA	**VI**	**24 13 11 55.8**±.3	**28.39N**±.03	**130.38E**±.02	**48**±2	**2.9**			¶97vi3715
ISC	**VI**	**24 17 28 13**±1.4	**26.92N**±.093	**129.6E**±.10	**71**±50			**10**	**1-5**
JMA	VI	24 17 28 13.4±.1	26.91N±.01	129.63E±.01	59	3.4			¶97vi3755
ISC	**VI**	**24 21 16 13**±2.1	**28.9N**±.12	**129.8E**±.34	**5**±26			**5**	**1-2**
JMA	VI	24 21 16 13.7±.2	28.91N±.01	129.79E±.03	9	3.1			¶97vi3787
ISC	Poorly determined								
ISC	**VI**	**24 23 39 32**±2.2	**28.9N**±.11	**129.8E**±.22	**0**±25			**6**	**1-2**
JMA	VI	24 23 39 33.1±.1	28.85N±.01	129.82E±.03	16	3.5			¶97vi3798
JMA	**VI**	**25 06 29 00.6**±.0	**27.94N**±.00	**129.87E**±.00	**70**±				¶97vi3859
ISC	**VI**	**25 17 40 31.8**±.99	**29.43N**±.077	**130.3E**±.23	**60**±28			**13**	**1-4**
JMA	VI	25 17 40 31.7±.2	29.45N±.02	130.31E±.05	63				¶97vi3995
ISC	**VI**	**26 19 28 13**±1.4	**29.18N**±.093	**129.6E**±.37	**31**			**10**	**1-4**
JMA	VI	26 19 28 11.7±.4	29.26N±.01	129.31E±.06	31	3.3			¶97vi4194
ISC	**VI**	**26 20 40 47**±1.9	**29.25N**±.080	**129.5E**±.23	**17**±22			**11**	**1-4**
JMA	VI	26 20 40 46.9±.2	29.28N±.01	129.39E±.04	27	3.7			¶97vi4200
JMA	**VI**	**27 03 32 01.4**±.3	**29.22N**±.02	**129.50E**±.07	**14**	**3.3**			¶97vi4230
ISC	**VI**	**27 03 33 29**±1.2	**29.2N**±.18	**129.6E**±.47	**11**			**12**	**1-4**
JMA	VI	27 03 33 27.3±.3	29.29N±.01	129.27E±.04	11	3.7			¶97vi4231
ISC	**VI**	**27 04 14 50**±5.9	**29.26N**±.094	**129.2E**±.72	**10**			**5**	**1-2**
JMA	VI	27 04 14 51.5±.4	29.28N±.00	129.36E±.05	10±3	3.8			¶97vi4234
ISC	**VI**	**27 04 28 50**±2.8	**29.2N**±.15	**129.5E**±.48	**8**±22			**6**	**1-2**
JMA	VI	27 04 28 51.5±.2	29.22N±.01	129.53E±.04	23±4	3.5			¶97vi4238
ISC	Poorly determined								
ISC	**VI**	**27 17 37 56**±3.6	**27.3N**±.35	**127.5E**±.26	**81**			**5**	**0-1**
JMA	VI	27 17 37 56.8±.3	27.22N±.03	127.52E±.02	81				¶97vi4339
ISC	**VI**	**28 11 32 36**±2.4	**29.3N**±.12	**129.4E**±.32	**13**			**4**	**1-2**
JMA	VI	28 11 32 35.9±.3	29.26N±.01	129.34E±.03	13	3.4			¶97vi4470
ISC	Poorly determined								
ISC	**VI**	**28 17 05 22**±1.9	**29.27N**±.089	**129.3E**±.28	**9**			**5**	**1-2**
JMA	VI	28 17 05 21.8±.2	29.26N±.01	129.30E±.03	9	3.2			¶97vi4507
ISC	**VI**	**28 18 30 56.4**±.86	**28.41N**±.095	**129.0E**±.12	**35**			**10**	**1-4**
JMA	VI	28 18 30 55.3±.1	28.46N±.01	128.94E±.02	35	3.2			¶97vi4512
ISC	**VI**	**29 04 35 48**±2.3	**29.3N**±.12	**129.4E**±.32	**10**			**4**	**1-2**
JMA	VI	29 04 35 47.8±.3	29.26N±.01	129.35E±.04	10	3.3			¶97vi4570
ISC	Poorly determined								
ISC	**VI**	**29 11 16 10.2**±.89	**29.24N**±.058	**129.4E**±.18	**10**			**9**	**1-3**
JMA	VI	29 11 16 09.3±.3	29.27N±.01	129.32E±.04	10	3.3			¶97vi4616
ISC	**VI**	**29 11 18 40**±2.4	**29.3N**±.12	**129.3E**±.32	**14**			**4**	**1-2**
JMA	VI	29 11 18 39.7±.3	29.26N±.01	129.31E±.03	14	3.0			¶97vi4617
ISC	Poorly determined								
ISC	**VI**	**29 11 46 40**±2.6	**29.3N**±.12	**129.3E**±.31	**6**			**4**	**1-2**
JMA	VI	29 11 46 40.1±.3	29.26N±.01	129.28E±.03	6	2.9			¶97vi4620
ISC	Poorly determined								
ISC	**VI**	**29 11 49 01**±2.4	**29.3N**±.12	**129.4E**±.32	**7**			**4**	**1-2**
JMA	VI	29 11 49 01.1±.2	29.25N±.01	129.32E±.03	7	2.8			¶97vi4621
ISC	Poorly determined								
ISC	**VI**	**29 20 49 58.9**±.79	**27.95N**±.056	**131.0E**±.10	**61**±32			**36**	**1-6**
JMA	VI	29 20 49 58.9±.2	27.98N±.01	130.91E±.02	78±5				¶97vi4662
ISC	**VI**	**30 04 59 57**±1.1	**29.23N**±.043	**129.5E**±.12	**22**±12	3.6b		**22**	**1-61**
EIDC	VI	30 04 59 50.9	29.6N	127.3E	0	3.7b,3.4s			¶97vi4710
JMA	VI	30 04 59 56.6±.1	29.26N±.01	129.41E±.03	25	3.6			
ISC	**VI**	**30 06 18 59**±1.6	**29.24N**±.077	**129.5E**±.19	**19**±20			**12**	**1-4**
JMA	VI	30 06 18 58.5±.1	29.25N±.01	129.44E±.03	30	3.4			¶97vi4716
ISC	**VI**	**30 20 02 10**±2.0	**29.24N**±.097	**129.4E**±.29	**7**			**5**	**1-2**
JMA	VI	30 20 02 09.5±.3	29.25N±.01	129.35E±.04	7	3.0			¶97vi4817
JMA	**VI**	**30 22 01 58.9**±.6	**28.20N**±.03	**130.32E**±.05	**49**±4	**2.9**			¶97vi4828
ISC	**VI**	**30 23 09 39**±1.2	**26.0N**±.13	**129.42E**±.086	**44**			**8**	**1-2**
JMA	VI	30 23 09 39.0±.2	26.06N±.02	129.43E±.01	44	3.5			¶97vi4838
ISC	**VI**	**30 23 10 09**±1.0	**26.11N**±.086	**129.47E**±.084	**38**±15	**3.8b**		**16**	**1-64**
NEIC	VI	30 23 10 03.5	26.53N	127.52E	33	4.3b			¶97vi4839
JMA	VI	30 23 10 07.7±.2	26.08N±.02	129.46E±.01	44	3.9			
EIDC	VI	30 23 10 10.9	26.2N	129.8E	37	3.5b			
NEIC	Poor solution.								

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ISC	**I**	**04 06 38 22**±4.9	**24.6N**±.37	**127.9E**±.20	**77**			**8**	**2-4**
JMA	I	04 06 38 28.3±.3	25.06N±.02	127.82E±.02	77				¶97i0492
ISC	**I**	**04 16 37 51**±1.1	**26.5N**±.11	**130.3E**±.11	**57**			**8**	**1-3**
JMA	I	04 16 37 50.4±.1	26.48N±.02	130.30E±.02	57	3.3			¶97i0557
ISC	**I**	**09 16 56 53**±1.0	**27.6N**±.14	**131.9E**±.35	**33**	**3.7b**		**5**	**10-86**
EIDC	I	09 16 56 50.6	27.6N	131.7E	0	3.7b,3.8L			¶97i1248
ISC	**I**	**13 07 51 32.3**±.80	**27.73N**±.088	**131.4E**±.28	**33**	**4.4b**		**7**	**10-73**
EIDC	I	13 07 51 30.0	27.6N	131.3E	0	4.2b,4.2L			¶97i1800
NEIC	I	13 07 51 32.7	27.68N	131.57E	33	4.7b			
NEIC	Poor solution.								
ISC	**I**	**14 19 39 11.0**±.38	**24.91N**±.042	**127.85E**±.049	**38**±1.4*	**4.2b**,3.9s		**60**	**1-80**
JMA	I	14 19 39 10.0±.2	24.88N±.02	127.70E±.02	76				¶97i2045
BJI	I	14 19 39 10.8	24.91N	127.77E	40	4.3b,3.9s			
NEIC	I	14 19 39 11.5	24.85N	127.73E	39	4.4b			
EIDC	I	14 19 39 13.0	24.8N	127.8E	34	3.9b			
NEIC	Less reliable solution.								
ISC	**I**	**14 22 13 31.2**±.73	**24.23N**±.069	**127.2E**±.13	**57**	**3.7b**		**14**	**2-81**
JMA	I	14 22 13 27.0±.6	24.02N±.05	126.93E±.02	57	3.4			¶97i2068
NEIC	I	14 22 13 29.5	24.12N	127.17E	33	4.0b			
EIDC	I	14 22 13 32.1	23.3N	126.7E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**I**	**20 08 45 38**±3.0	**29.4N**±.15	**131.5E**±.34	**56**			**8**	**1-3**
JMA	I	20 08 45 37.1±.3	29.39N±.02	131.48E±.04	56	2.9			¶97i2969
ISC	**I**	**23 09 49 38**±1.5	**27.88N**±.030	**131.22E**±.031	**3**±9.5	**4.8b,4.4s**		**178**	**1-149**
BJI	I	23 09 49 40.9	28.05N	131.25E	24	4.6b,4.4s			¶97i3475
JMA	I	23 09 49 41.0±.2	27.85N±.01	131.15E±.02	88				
NEIC	I	23 09 49 42.2	27.94N	131.30E	33	5.2b			
MOS	I	23 09 49 42.4	27.9N	131.3E	33	5.3b			
EIDC	I	23 09 49 44.8	27.9N	131.2E	42	4.3b,4.0L			
ISC	**I**	**25 12 02 45**±1.1	**26.5N**±.11	**130.3E**±.11	**44**			**9**	**1-3**
JMA	I	25 12 02 44.6±.1	26.53N±.01	130.30E±.01	44	4.0			¶97i3811
ISC	**I**	**26 10 04 35**±5.8	**24.3N**±.49	**128.7E**±.17	**74**			**6**	**2-3**
JMA	I	26 10 04 39.8±.6	24.81N±.05	128.82E±.03	74				¶97i3923
ISC	**II**	**06 14 41 40**±3.1	**29.9N**±.14	**131.2E**±.33	**60**±52			**7**	**1-2**
JMA	II	06 14 41 38.8±.5	29.86N±.03	131.26E±.05	69				¶97ii0853
ISC	**II**	**06 17 20 56**±1.9	**29.4N**±.13	**131.0E**±.20	**60**			**13**	**1-3**
JMA	II	06 17 20 55.7±.4	29.45N±.02	130.99E±.04	60	3.0			¶97ii0878
JMA	**II**	**07 03 09 30.4**±.6	**29.70N**±.03	**131.01E**±.07	**48**	**3.0**			¶97ii0933
ISC	**II**	**07 03 11 27.7**±.65	**29.80N**±.047	**131.3E**±.11	**61**±32			**32**	**1-4**
NEIC	II	07 03 11 27.3	29.79N	131.35E	33				¶97ii0935
JMA	II	07 03 11 27.9±.3	29.83N±.01	131.30E±.03	59	3.3			
NEIC	Single network solution.								
ISC	**II**	**07 05 04 46**±4.1	**29.7N**±.15	**131.4E**±.41	**41**			**6**	**1-2**
JMA	II	07 05 04 45.7±.2	29.74N±.01	131.43E±.02	41	3.1			¶97ii0945
ISC	**II**	**09 08 35 37**±9.0	**29.8N**±.50	**131.1E**±.54	**60**±62			**8**	**1-2**
JMA	II	09 08 35 34.4±.6	29.63N±.03	131.25E±.04	71				¶97ii1282
ISC	**II**	**15 21 29 36.7**±.66	**29.97N**±.054	**131.27E**±.060	**49**±8.0	**3.7b**		**56**	**1-74**
EIDC	II	15 21 29 29.9	29.7N	131.5E	0	3.8b,3.8L			¶97ii2295
NEIC	II	15 21 29 34.4	29.88N	131.47E	33				
JMA	II	15 21 29 36.5±.3	29.97N±.02	131.26E±.03	54±5	3.4			
NEIC	Less reliable solution.								
ISC	**II**	**18 01 11 12**±3.7	**24.8N**±.29	**128.2E**±.15	**57**			**8**	**1-5**
JMA	II	18 01 11 12.9±.6	24.92N±.04	128.19E±.03	57	3.5			¶97ii2584
ISC	**II**	**23 10 53 11**±1.2	**26.3N**±.19	**130.1E**±.12	**49**			**8**	**1-3**
JMA	II	23 10 53 10.7±.1	26.36N±.02	130.11E±.02	49	3.4			¶97ii3322
ISC	**II**	**25 12 22 38**±3.9	**30.0N**±.17	**131.2E**±.52	**54**			**7**	**1-2**
JMA	II	25 12 22 36.7±.3	29.92N±.02	131.28E±.03	54	2.8			¶97ii3621
JMA	**II**	**26 10 12 49.1**±.7	**29.60N**±.04	**131.40E**±.04	**53**	**3.1**			¶97ii3776
ISC	**III**	**07 14 00 54**±1.1	**26.8N**±.11	**130.1E**±.11	**47**			**7**	**1-3**
JMA	III	07 14 00 53.3±.1	26.82N±.01	130.12E±.02	47	3.2			¶97iii1528
ISC	**III**	**17 01 19 40**±2.0	**24.0N**±.22	**126.1E**±.10	**102**			**8**	**1-5**
JMA	III	17 01 19 43.9±.4	24.42N±.06	125.82E±.03	102				¶97iii3299
ISC	**III**	**25 16 36 47.7**±.26	**23.30N**±.031	**126.06E**±.033	**31**	**4.7b,4.5s**		**150**	**2-97**
EIDC	III	25 16 36 44.2	23.2N	126.0E	0	4.6b,4.4L			¶97iii4761
NEIC	III	25 16 36 47.5	23.17N	125.97E	33	4.8b			
BJI	III	25 16 36 47.6	23.26N	125.89E	31	4.0L,4.5b			
MOS	III	25 16 36 47.9	23.1N	125.7E	33	5.3b			
JMA	III	25 16 36 49.1±.3	23.57N±.03	125.77E±.01	125	4.6			
BJI	Ms4.4								
ISC	**III**	**29 06 09 09**±1.9	**29.6N**±.13	**131.9E**±.15	**72**			**20**	**1-5**
JMA	III	29 06 09 10.4±.3	29.75N±.02	131.79E±.02	72				¶97iii5546
ISC	**IV**	**03 09 30 54**±5.6	**24.8N**±.50	**128.0E**±.25	**70**			**4**	**1-3**
JMA	IV	03 09 30 55.4±.9	24.98N±.07	128.05E±.04	70				¶97iv0405
ISC	Poorly determined								
ISC	**IV**	**06 17 31 28**±1.9	**25.6N**±.29	**129.3E**±.11	**50**			**6**	**2-2**
JMA	IV	06 17 31 27.7±.3	25.72N±.05	129.36E±.02	50	3.3			¶97iv1027
ISC	**IV**	**10 21 07 16**±2.1	**23.7N**±.21	**126.22E**±.088	**4**			**10**	**1-5**
JMA	IV	10 21 07 14.7±.5	23.61N±.04	126.26E±.02	4	3.6			¶97iv1749
ISC	**IV**	**12 21 19 47**±1.5	**25.9N**±.31	**129.6E**±.12	**44**			**5**	**1-3**
JMA	IV	12 21 19 46.1±.3	25.92N±.07	129.57E±.03	44	3.1			¶97iv2133
ISC	**IV**	**13 13 21 05**±4.2	**23.9N**±.42	**126.8E**±.23	**104**	3.1b		**9**	**2-81**
JMA	IV	13 13 21 05.7±.2	24.02N±.02	126.75E±.01	104				¶97iv2247
ISC	**IV**	**24 19 46 55.7**±.98	**29.69N**±.081	**131.5E**±.16	**55**±59			**24**	**1-5**
JMA	IV	24 19 46 56.1±.2	29.73N±.01	131.45E±.02	62				¶97iv4199
ISC	**V**	**11 00 15 52**±1.5	**25.6N**±.14	**129.23E**±.084	**44**			**10**	**1-4**
JMA	V	11 00 15 51.4±.3	25.73N±.03	129.26E±.02	44	3.1			¶97v1689
ISC	**V**	**14 13 05 28**±1.4	**29.79N**±.037	**131.95E**±.043	**24**±12	**3.7b**,3.0s		**79**	**1-84**
BJI	V	14 13 05 25.8	29.54N	132.24E	30	4.2b			¶97v2452
EIDC	V	14 13 05 26.2	29.8N	132.0E	0	3.7b,3.8L			
JMA	V	14 13 05 28.7±.1	29.82N±.01	131.95E±.02	73				
NEIC	V	14 13 05 28.9	29.86N	131.98E	33	3.9b			
ISC	**V**	**17 14 12 27**±2.2	**29.8N**±.14	**131.3E**±.25	**62**±48			**11**	**1-3**
JMA	V	17 14 12 26.8±.2	29.75N±.01	131.27E±.03	66				¶97v2940
ISC	**V**	**21 09 38 56**±1.0	**26.98N**±.088	**130.2E**±.10	**68**			**9**	**1-3**
JMA	V	21 09 38 55.6±.1	26.97N±.01	130.15E±.01	68				¶97v3540
ISC	**V**	**22 16 26 53**±1.0	**26.26N**±.097	**130.18E**±.089	**52**			**9**	**1-4**
JMA	V	22 16 26 53.1±.1	26.27N±.02	130.17E±.01	52	3.3			¶97v3799
ISC	**V**	**22 21 43 45**±1.8	**25.6N**±.21	**129.5E**±.11	**44**			**6**	**2-3**
JMA	V	22 21 43 45.1±.4	25.70N±.05	129.49E±.02	44	3.3			¶97v3837

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**11 19 09 54**±1.0	**26.75N**±.088	**130.24E**±.097	**51**		**9**	**1-3**
JMA	VI	11 19 09 53.9±.1	26.76N±.01	130.23E±.01	51	3.4		¶97vi1735
JMA	**VI**	**12 19 29 53.4**±.3	**29.92N**±.01	**131.83E**±.03	**62**±5			¶97vi1889
ISC	**VI**	**13 18 45 10**±3.2	**24.9N**±.26	**128.0E**±.20	**84**		**10**	**1-4**
JMA	VI	13 18 45 10.7±.4	25.02N±.03	127.99E±.02	84			¶97vi2024
ISC	**VI**	**16 11 38 32.9**±.42	**30.00N**±.033	**131.18E**±.036	**37**±4.8	**4.1b,4.5s**	**114**	**1-93**
BJI	VI	16 11 38 31.4	29.70N	131.33E	42	4.5b,4.6s		¶97vi2449
JMA	VI	16 11 38 32.4±.2	29.98N±.01	131.26E±.03	51±5	4.3		
MOS	VI	16 11 38 32.9	30.2N	131.1E	33	5.4b		
NEIC	VI	16 11 38 33.0	30.00N	130.94E	33	4.3b		
EIDC	VI	16 11 38 38.5	30.1N	130.9E	63	3.7b,3.8s		
NEIC	Less reliable solution.							

(240) East of Ryūkyū Islands.

EIDC	**IV**	**14 15 37 18.1**	**26.8N**	**136.5E**	**0**	**3.6b**		**47-59**
								¶97iv2481
ISC	**VI**	**07 11 20 51**±2.3	**28.89N**±.037	**132.03E**±.037	**12**±17	**4.0b**	**93**	**2-89**
JMA	VI	07 11 20 53.1±.1	28.90N±.01	131.99E±.02	90			¶97vi1088
NEIC	VI	07 11 20 54.0	29.05N	132.04E	33			
BJI	VI	07 11 20 56.8	28.90N	131.83E	37	4.7b		
EIDC	VI	07 11 20 58.2	29.1N	132.1E	44	3.6b,4.1L		
NEIC	Less reliable solution.							

(241) Philippine Sea.

EIDC	**II**	**01 16 10 52.2**	**21.4N**	**134.8E**	**0**	**3.5b**		**41-66**
								¶97ii0098

SEISMIC REGION 21. TAIWAN.

(242) Near south-eastern coast of China.

BJI	**III**	**28 15 11 30.5**	**23.72N**	**114.72E**	**25**	**3.5L**		¶97iii5451
BJI	**IV**	**01 17 29 08.0**	**25.28N**	**117.09E**	**19**	**3.4L**		¶97iv0118
BJI	**IV**	**02 22 49 56.8**	**25.75N**	**117.21E**	**19**	**3.5L**		¶97iv0345
BJI	**IV**	**02 22 52 37.1**	**25.55N**	**117.22E**	**12**	**3.6L,4.4b**		¶97iv0346
BJI	**IV**	**10 18 32 33.0**	**25.64N**	**117.35E**	**22**	**3.8L**		¶97iv1728
BJI	**V**	**28 20 24 49.1**	**25.45N**	**117.22E**	**26**	**3.3L**		¶97v4772
ISC	**V**	**31 06 51 03.1**±.38	**25.59N**±.047	**117.15E**±.057	**16**	**4.1b,4.3s**	**42**	**1-83**
BJI	V	31 06 51 02.1	25.63N	117.13E	16	5.1L,4.6b		¶97v5161
EIDC	V	31 06 51 03.2	25.6N	117.2E	0	4.0b,3.9s		
NEIC	V	31 06 51 05.8	25.56N	117.16E	33			
MOS	V	31 06 51 06.5	25.9N	117.7E	33	4.8b		
BJI	Ms5.1							
NEIC	Some buildings damaged at Liancheng and Yongan. Felt throughout Fujian and in parts of Jiangxi and Guangdong Provinces.							
BJI	**V**	**31 07 18 24.9**	**25.54N**	**117.11E**	**19**	**3.7L**		¶97v5164
BJI	**V**	**31 07 30 38.1**	**25.53N**	**117.17E**	**9**	**3.1L**		¶97v5165
BJI	**V**	**31 07 42 25.4**	**25.48N**	**117.24E**	**14**	**3.3L**		¶97v5167
BJI	**V**	**31 12 26 40.0**	**25.50N**	**117.20E**	**14**	**3.0L**		¶97v5188
BJI	**V**	**31 15 48 29.4**	**25.55N**	**117.21E**	**17**	**3.0L**		¶97v5208
BJI	**V**	**31 16 47 49.3**	**25.56N**	**117.11E**	**15**	**2.9L**		¶97v5210
BJI	**V**	**31 22 27 01.2**	**25.53N**	**117.24E**	**13**	**3.2L**		¶97v5248
BJI	**VI**	**01 06 43 26.5**	**25.69N**	**117.24E**	**25**	**3.7L**		¶97vi0035
BJI	**VI**	**01 07 21 22.0**	**25.62N**	**117.19E**	**24**	**3.4L**		¶97vi0039
BJI	**VI**	**01 10 35 44.6**	**25.63N**	**117.27E**	**12**	**3.6L**		¶97vi0061
BJI	**VI**	**01 10 56 11.1**	**25.40N**	**117.15E**	**15**	**3.1L**		¶97vi0064
BJI	**VI**	**01 11 29 33.4**	**25.56N**	**117.21E**	**12**	**3.5L**		¶97vi0070
BJI	**VI**	**01 12 09 27.7**	**25.57N**	**117.38E**	**11**	**3.2L**		¶97vi0078
BJI	**VI**	**01 13 18 29.7**	**25.55N**	**117.24E**	**15**	**3.4L**		¶97vi0089
BJI	**VI**	**01 19 45 39.9**	**25.49N**	**117.21E**	**16**	**3.0L**		¶97vi0126
BJI	**VI**	**02 12 10 24.0**	**25.50N**	**117.20E**	**15**	**3.1L**		¶97vi0232
BJI	**VI**	**02 12 12 56.4**	**25.61N**	**117.19E**	**23**	**3.6L**		¶97vi0235
BJI	**VI**	**06 19 28 48.5**	**25.65N**	**117.10E**	**30**	**4.0L**		¶97vi0979
BJI	**VI**	**11 06 57 47.9**	**25.49N**	**117.29E**	**8**	**3.3L**		¶97vi1632
BJI	**VI**	**11 07 03 55.8**	**25.60N**	**117.31E**	**16**	**3.2L**		¶97vi1633
BJI	**VI**	**11 07 11 01.2**	**25.43N**	**117.27E**	**17**	**3.1L**		¶97vi1635
BJI	**VI**	**12 07 10 36.8**	**25.45N**	**117.17E**	**19**	**3.7L**		¶97vi1810
BJI	**VI**	**13 13 30 25.6**	**25.33N**	**117.16E**	**13**	**3.3L**		¶97vi1993
BJI	**VI**	**13 17 10 00.4**	**25.02N**	**116.96E**	**3**	**3.4L**		¶97vi2017
BJI	**VI**	**16 05 45 45.3**	**22.05N**	**112.16E**	**15**	**3.8L**		¶97vi2407
BJI	**VI**	**17 00 52 55.0**	**23.78N**	**114.47E**	**27**	**4.0L**		¶97vi2534
BJI	**VI**	**26 08 56 30.7**	**25.36N**	**117.18E**	**8**	**3.3L**		¶97vi4108
BJI	**VI**	**26 16 48 54.0**	**25.47N**	**117.17E**	**15**	**3.2L**		¶97vi4172
BJI	**VI**	**30 09 23 55.4**	**25.44N**	**117.08E**	**13**	**3.3L**		¶97vi4740

(243) Taiwan region.

ISC	**I**	**01 21 59 56.0**±.84	**21.3N**±.13	**119.9E**±.20	**33**	**3.8b**	**8**	**20-86**
NEIC	I	01 21 59 56.1	21.18N	119.91E	33	4.0b		¶97i0126
EIDC	I	01 22 00 03.0	21.1N	119.9E	79	3.4b		
NEIC	Poor solution.							
ISC	**I**	**02 05 44 16**±2.4	**21.8N**±.16	**121.40E**±.099	**16**±9.8	3.5b	**18**	**0-85**
TAP	I	02 05 44 17.8	21.98N	121.34E	18	3.9L		¶97i0164
TAP	Felt I=II J Lanyu							
TAP	**I**	**02 07 42 29.4**	**24.79N**	**122.61E**	**109**	**3.3L**		**180-0**
								¶97i0173
ISC	**I**	**02 08 31 13**±12	**24.2N**±.66	**122.5E**±.95	**51**		**4**	**0-1**
TAP	I	02 08 31 13.0	23.89N	122.56E	11	3.4L		¶97i0177
JMA	I	02 08 31 14.3±.4	24.19N±.03	122.63E±.02	51	3.2		
ISC	Poorly determined							
ISC	**I**	**02 09 47 11.3**±.59	**22.80N**±.037	**121.12E**±.063	**7**		**20**	**0-2**
TAP	I	02 09 47 09.9	22.78N	121.09E	7	4.0L		¶97i0184
TAP	Felt I=II J Suao, Taitung							
TAP	**I**	**02 21 57 37.5**	**21.43N**	**120.88E**	**137**	**3.5L**		**180-0**
								¶97i0276
ISC	**I**	**03 05 51 06**±13	**23.9N**±.68	**122.9E**±.70	**20**		**4**	**1-1**
JMA	I	03 05 51 05.8±.4	23.89N±.02	122.84E±.02	20	2.8		¶97i0332
ISC	Poorly determined							
ISC	**I**	**03 14 17 06**±2.7	**22.09N**±.098	**121.3E**±.14	**75**±24	**3.7b**	**20**	**4-85**
BJI	I	03 14 16 58.9	21.95N	121.47E	31	3.6L		¶97i0391
TAP	I	03 14 17 06.3	22.19N	121.22E	53	4.4L		
NEIC	I	03 14 17 07.1	22.11N	121.37E	90			
EIDC	I	03 14 17 11.7	22.1N	121.4E	116	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**03 18 26 41**±2.3	**24.4N**±.14	**122.7E**±.24	**35**±22	3.6b	**8**	**0-49**
JMA	I	03 18 26 32.9±.5	25.24N±.03	122.62E±.03	21	3.1		¶97i0414
EIDC	I	03 18 26 38.6	24.3N	122.5E	0	3.5b,3.5L		
NEIC	I	03 18 26 40.6	24.39N	122.56E	33			
TAP	I	03 18 26 44.5	24.76N	122.17E	13	3.2L		
NEIC	Less reliable solution.							
TAP	**I**	**03 20 55 21.2**	**24.05N**	**122.48E**	**2**	**3.1L**		**180-0**
								¶97i0426
TAP	**I**	**03 22 00 36.9**	**21.59N**	**121.37E**	**22**	**3.0L**		**200-0**
								¶97i0433
ISC	**I**	**03 22 06 48.8**±.50	**21.83N**±.050	**121.37E**±.059	**30**	**4.2b,**4.4s	**41**	**0-85**
TAP	I	03 22 06 45.0	21.63N	121.41E	30	4.6L		¶97i0436
NEIC	I	03 22 06 49.1	21.79N	121.41E	33	4.3b		
BJI	I	03 22 06 49.4	21.98N	121.34E	17	4.3b,4.6s		
EIDC	I	03 22 06 54.3	21.8N	121.4E	59	3.9b,3.5L		
TAP	Felt I=II J Lanyu							
NEIC	Less reliable solution.							
TAP	**I**	**04 04 01 29.8**	**22.31N**	**119.95E**	**22**	**3.5L**		**180-0**
								¶97i0476
TAP	**I**	**04 08 53 51.2**	**21.37N**	**121.51E**	**25**	**3.1L**		**180-0**
								¶97i0507
TAP	**I**	**04 19 18 45.5**	**21.90N**	**121.35E**	**10**	**3.2L**		**180-0**
								¶97i0576
ISC	**I**	**05 10 34 20.1**±.30	**24.66N**±.022	**122.46E**±.021	**37**±3.1	**4.9b,5.0s**	**285**	**0-167**
TAP	I	05 10 34 16.9	24.62N	122.53E	1	5.8L		¶97i0654
HRVD	I	05 10 34 17.5±.4	24.92N±.05	122.18E±.10	27±5.1			
JMA	I	05 10 34 17.9±.7	24.62N±.04	122.38E±.05	30	4.9		
NEIC	I	05 10 34 19.4	24.68N	122.46E	33	5.3b,4.9s		
MOS	I	05 10 34 19.5	24.7N	122.4E	33	5.7b,5.1s		
BJI	I	05 10 34 21.4	24.92N	122.46E	29	5.5L,5.1b		
EIDC	I	05 10 34 24.8	24.7N	122.5E	68	4.2b,4.5s		
TAP	Felt I=IV J, III Suao, Neicheng, II Ilan, Hwalien							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c28; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.35±.66; $M_{\theta\theta}$8.03±.59; $M_{\phi\phi}$−2.68±1.12; $M_{r\theta}$−2.55±1.61; $M_{r\phi}$0.69±1.62; $M_{\theta\phi}$−2.02±.51. Principal Axes: T 8.89,Plg10°,Azm191°; N −3.03,Plg4°,Azm281°; P −5.85,Plg79°,Azm34°. Best double couple: $M_0$7.4×10^{16}Nm, NP1: ϕ_s275°,δ35°,λ−98°. NP2:ϕ_s104°,δ55°,λ−85°.							
NEIC	Mw5.2(HRV).							
BJI	Ms5.3							
TAP	**I**	**05 10 37 27.4**	**24.65N**	**122.27E**	**6**	**3.5L**		**180-0**
								¶97i0655
TAP	**I**	**05 10 39 10.7**	**24.64N**	**122.47E**	**8**	**3.4L**		**200-0**
								¶97i0656
TAP	**I**	**05 13 53 53.1**	**24.70N**	**122.37E**	**6**	**3.1L**		**180-0**
								¶97i0678
TAP	**I**	**05 17 17 14.8**	**24.96N**	**122.12E**	**113**	**3.0L**		**180-0**
								¶97i0691
TAP	**I**	**05 17 43 50.8**	**24.61N**	**122.36E**	**4**	**3.3L**		**180-0**
								¶97i0692
TAP	**I**	**05 17 44 07.3**	**24.60N**	**122.45E**	**21**	**3.5L**		**180-0**
								¶97i0693
ISC	**I**	**05 18 40 53.3**±.47	**23.00N**±.034	**122.96E**±.030	**44**±4.5	**4.5b,4.3s**	**153**	**1-92**
BJI	I	05 18 40 50.1	23.08N	123.07E	20	5.0L,4.8b		¶97i0700
NEIC	I	05 18 40 52.0	23.01N	123.05E	33	4.7b,4.2s		
MOS	I	05 18 40 52.2	23.0N	123.1E	33	4.9b		
TAP	I	05 18 40 53.6	23.03N	122.86E	33	5.4L		
JMA	I	05 18 40 54.5±.9	23.14N±.07	123.07E±.05	77			
EIDC	I	05 18 40 58.7	23.1N	123.1E	82	4.0b		
BJI	Ms4.2							
TAP	Felt I=II J Chengkung, Lanyu							
ISC	**I**	**06 01 51 12.5**±.63	**24.64N**±.035	**122.47E**±.038	**20**±5.4	**4.5b,4.2s**	**65**	**0-83**
BJI	I	06 01 51 08.9	24.15N	122.71E	31	4.5L,4.4b		¶97i0735
TAP	I	06 01 51 12.2	24.65N	122.34E	2	4.7L		
JMA	I	06 01 51 12.5±.9	24.65N±.06	122.45E±.06	28	4.4		
NEIC	I	06 01 51 13.1	24.75N	122.67E	30	4.9b		
MOS	I	06 01 51 13.6	24.6N	122.4E	33	5.0b,4.9s		
EIDC	I	06 01 51 25.3	24.6N	123.2E	111	3.9b		
BJI	Ms4.5							
TAP	Felt I=III, II Suao, Ilan							
NEIC	Less reliable solution.							
JMA	**I**	**06 02 14 41.5**±.6	**24.71N**±.04	**122.52E**±.04	**28**	**3.7**		¶97i0737
TAP	I	06 02 14 41.4	24.63N	122.31E	4	3.6L		
TAP	**I**	**06 16 39 01.2**	**24.72N**	**122.39E**	**4**	**3.0L**		**180-0**
								¶97i0810
TAP	**I**	**07 00 50 03.7**	**21.98N**	**121.39E**	**23**	**3.8L**		**180-0**
								¶97i0860
TAP	**I**	**07 08 21 19.6**	**24.70N**	**122.54E**	**99**	**3.3L**		**180-0**
								¶97i0897
TAP	**I**	**07 16 47 04.8**	**24.57N**	**122.62E**	**68**	**3.3L**		**180-0**
								¶97i0948
JMA	**I**	**08 04 08 25.7**±.2	**23.97N**±.02	**122.77E**±.02	**28**±4	**3.3**		¶97i1018
TAP	**I**	**08 09 00 43.6**	**22.86N**	**121.26E**	**5**	**3.2L**		**180-0**
								¶97i1042
ISC	**I**	**08 12 14 20.8**±.76	**22.81N**±.042	**121.40E**±.066	**3**		**18**	**0-2**
TAP	I	08 12 14 19.8	22.79N	121.38E	3	4.1L		¶97i1057
TAP	Felt I=II J Taitung, II Chengkung							
TAP	**I**	**08 14 42 42.1**	**21.47N**	**121.37E**	**8**	**3.0L**		**180-0**
								¶97i1076
TAP	**I**	**08 19 31 08.8**	**21.72N**	**121.38E**	**5**	**3.3L**		**180-0**
								¶97i1104
TAP	**I**	**08 19 41 34.1**	**24.65N**	**122.43E**	**3**	**3.4L**		**180-0**
								¶97i1106
ISC	**I**	**09 09 08 13.7**±.89	**22.87N**±.049	**121.55E**±.079	**7**		**17**	**0-2**
TAP	I	09 09 08 12.9	22.93N	121.53E	7	4.1L		¶97i1196
TAP	Felt I=IV J Chengkung							
TAP	**I**	**09 13 52 50.0**	**21.58N**	**121.91E**	**58**	**3.3L**		**200-0**
								¶97i1229
TAP	**I**	**10 01 32 00.1**	**22.85N**	**122.58E**	**30**	**3.3L**		**180-0**
								¶97i1291
TAP	**I**	**10 11 22 09.1**	**24.44N**	**122.95E**	**62**	**3.2L**		**180-0**
								¶97i1352
TAP	**I**	**10 11 33 52.4**	**24.65N**	**122.42E**	**5**	**3.1L**		**180-0**
								¶97i1353
TAP	**I**	**10 16 26 53.8**	**24.69N**	**122.92E**	**68**	**3.3L**		**180-0**
								¶97i1393
TAP	**I**	**10 20 12 24.4**	**24.79N**	**122.65E**	**26**	**3.2L**		**180-0**
								¶97i1416
TAP	**I**	**11 05 24 20.4**	**21.94N**	**121.69E**	**2**	**3.0L**		**180-0**
								¶97i1471
TAP	**I**	**11 06 56 41.5**	**21.70N**	**121.20E**	**14**	**3.3L**		**180-0**
								¶97i1484

TAP	**I**	**11 23 17 28.6**	**24.80N**	**122.16E**	**6**	**3.3L**		**180-0**	
									¶97i1593
TAP	**I**	**11 23 59 56.5**	**24.15N**	**122.59E**	**65**	**3.1L**		**180-0**	
									¶97i1596
JMA	**I**	**12 07 53 12.4**±.8	**24.90N**±.04	**122.59E**±.05	**11**	**3.0**			**¶97i1641**
TAP	I	12 07 53 10.8	24.67N	122.41E	4	3.3L			
TAP	**I**	**12 08 57 08.6**	**24.67N**	**122.32E**	**4**	**3.3L**		**1-1**	
									¶97i1653
ISC	**I**	**12 10 05 53**±4.0	**24.8N**±.46	**122.9E**±.31	**98**		**5**	**0-2**	
TAP	I	12 10 05 52.7	24.48N	122.93E	62	3.2L			**¶97i1661**
JMA	I	12 10 05 53.1±.4	24.74N±.05	122.85E±.03	98				
TAP	**I**	**13 06 20 13.3**	**24.40N**	**122.00E**	**29**	**3.0L**		**180-0**	
									¶97i1786
TAP	**I**	**13 21 03 35.7**	**23.99N**	**122.31E**	**13**	**3.2L**		**180-0**	
									¶97i1895
TAP	**I**	**13 23 03 24.3**	**24.51N**	**122.61E**	**69**	**3.2L**		**180-0**	
									¶97i1908
ISC	**I**	**14 15 38 58**±14	**24.7N**±.73	**123.0E**±.57	**1**		**4**	**0-1**	
TAP	I	14 15 38 53.3	24.68N	122.33E	1	3.1L			**¶97i2016**
JMA	I	14 15 38 54.6±.5	24.81N±.02	122.78E±.03	0	2.9			
ISC	Poorly determined								
TAP	**I**	**14 18 49 37.0**	**24.66N**	**122.39E**	**2**	**3.4L**		**180-0**	
									¶97i2038
ISC	**I**	**14 20 06 03.5**±.78	**24.53N**±.076	**122.57E**±.082	**93**±8.2	**3.7b**	**27**	**0-82**	
TAP	I	14 20 06 03.2	24.42N	122.51E	55	4.8L			**¶97i2049**
BJI	I	14 20 06 03.6	24.52N	122.53E	99	4.6b			
NEIC	I	14 20 06 04.0	24.59N	122.63E	100	3.2b			
JMA	I	14 20 06 04.2±.6	24.67N±.03	122.57E±.04	65				
EIDC	I	14 20 06 10.5	24.6N	122.5E	144	3.5b			
ISC	**I**	**14 21 32 46**±4.9	**24.36N**±.060	**122.0E**±.43	**8**±16		**11**	**0-2**	
TAP	I	14 21 32 45.7	24.39N	121.94E	8	3.2L			**¶97i2062**
TAP	Felt I=III J								
TAP	**I**	**15 10 16 01.7**	**24.76N**	**122.04E**	**61**	**3.2L**		**180-0**	
									¶97i2135
TAP	**I**	**15 14 28 10.5**	**24.72N**	**122.26E**	**3**	**3.2L**		**180-0**	
									¶97i2168
ISC	**I**	**16 01 07 18.7**±.70	**21.86N**±.029	**121.44E**±.032	**20**±4.7	**5.2b,4.8s**	**269**	**0-169**	
NEIC	I	16 01 07 19.8	21.88N	121.46E	30	5.3b,4.5s			**¶97i2232**
MOS	I	16 01 07 20.0	21.9N	121.5E	33	5.5b,4.9s			
BJI	I	16 01 07 20.3	22.13N	121.27E	19	4.8L,5.0b			
TAP	I	16 01 07 20.4	22.01N	121.30E	9	5.4L			
EIDC	I	16 01 07 24.2	21.9N	121.6E	60	4.6b,4.6L			
NEIC	Felt.								
BJI	Ms4.9								
TAP	Felt I=IV J Lanyu, II Hengchun								
TAP	**I**	**16 03 44 39.0**	**25.05N**	**122.30E**	**23**	**3.2L**		**180-0**	
									¶97i2254
JMA	**I**	**16 08 00 56.0**±.7	**24.63N**±.06	**122.63E**±.05	**47**	**3.2**			**¶97i2272**
TAP	I	16 08 00 54.8	24.30N	122.44E	32	3.4L			
ISC	**I**	**16 09 45 46**±1.2	**21.57N**±.047	**121.32E**±.059	**19**±8.8	**4.1b**	**56**	**1-85**	
TAP	I	16 09 45 44.4	21.56N	121.38E	11	4.8L			**¶97i2287**
NEIC	I	16 09 45 47.3	21.58N	121.28E	33	4.2b			
MOS	I	16 09 45 47.5	21.6N	121.3E	33	4.3b			
BJI	I	16 09 45 48.9	21.84N	121.16E	25	3.9L,4.5b			
EIDC	I	16 09 45 51.1	21.6N	121.4E	53	3.9b,3.9L			
TAP	Felt I=II J Lanyu								
BJI	Ms4.1								
TAP	**I**	**16 11 55 24.3**	**21.55N**	**121.39E**	**15**	**3.0L**		**180-0**	
									¶97i2307
TAP	**I**	**16 15 49 05.0**	**21.82N**	**121.35E**	**10**	**3.0L**		**180-0**	
									¶97i2332
TAP	**I**	**17 06 56 17.5**	**24.94N**	**122.80E**	**43**	**3.0L**		**180-0**	
									¶97i2411
JMA	**I**	**17 12 17 43.9**±.4	**23.89N**±.02	**122.40E**±.02	**34**	**3.4**			**¶97i2446**
TAP	I	17 12 17 43.7	24.55N	122.27E	60	3.9L			
TAP	**I**	**18 11 14 23.1**	**24.86N**	**122.42E**	**2**	**3.3L**		**180-0**	
									¶97i2649
TAP	**I**	**18 12 04 51.5**	**24.72N**	**122.41E**	**4**	**3.1L**		**180-0**	
									¶97i2651
ISC	**I**	**18 17 13 49.3**±.36	**24.04N**±.028	**122.50E**±.029	**41**±3.1	**4.9b,5.0s**	**214**	**1-167**	
MOS	I	18 17 13 47.2	24.0N	122.7E	34	5.3b,5.0s			**¶97i2693**
TAP	I	18 17 13 47.8	23.93N	122.44E	15	5.4L			
BJI	I	18 17 13 48.1	24.14N	122.47E	27	5.1L,5.0b			
JMA	I	18 17 13 49.1±.7	24.26N±.06	122.38E±.05	62	5.0			
NEIC	I	18 17 13 50.6	24.18N	122.67E	56	5.0b,4.9s			
EIDC	I	18 17 13 57.9	24.1N	122.4E	109	4.3b			
TAP	Felt I=III J , II Ilan								
BJI	Ms5.0								
JMA	**I**	**19 06 51 02.6**±.5	**24.05N**±.03	**122.44E**±.03	**31**	**3.1**			**¶97i2801**
TAP	I	19 06 51 00.7	23.92N	122.38E	8	3.5L			
TAP	**I**	**19 22 13 28.0**	**24.09N**	**122.19E**	**6**	**3.1L**		**180-0**	
									¶97i2899
TAP	**I**	**20 05 59 34.7**	**21.73N**	**121.32E**	**15**	**3.2L**		**180-0**	
									¶97i2949
ISC	**I**	**20 15 46 23**±2.5	**24.7N**±.14	**122.8E**±.16	**20**±12	**4.0b**	**13**	**0-82**	
TAP	I	20 15 46 21.6	24.80N	122.87E	4	3.9L			**¶97i3032**
JMA	I	20 15 46 22.5±.4	24.72N±.02	122.81E±.03	19	3.7			
EIDC	I	20 15 46 39.2	24.7N	124.7E	123	3.5b			
ISC	**I**	**20 21 03 13**±2.8	**24.1N**±.15	**122.3E**±.24	**43**±27	**3.8b**	**15**	**1-83**	
TAP	I	20 21 03 12.2	23.94N	122.36E	6	4.2L			**¶97i3082**
NEIC	I	20 21 03 12.3	24.10N	122.27E	33				
BJI	I	20 21 03 12.4	24.05N	122.48E	39	3.5L,3.6s			
JMA	I	20 21 03 13.2±.6	24.09N±.04	122.34E±.04	37	3.8			
EIDC	I	20 21 03 25.5	24.1N	122.5E	141	3.4b			
NEIC	Less reliable solution.								
TAP	**I**	**21 05 11 20.1**	**24.06N**	**122.25E**	**16**	**3.1L**		**180-0**	
									¶97i3141
TAP	**I**	**21 17 20 29.2**	**21.98N**	**121.39E**	**35**	**3.2L**		**180-0**	
									¶97i3208
ISC	**I**	**21 19 45 35**±2.2	**24.52N**±.050	**122.1E**±.18	**6**		**16**	**0-2**	
TAP	I	21 19 45 35.6	24.51N	121.92E	6	3.7L			**¶97i3219**
TAP	Felt I=IV J, II Suao								
TAP	**I**	**22 02 01 25.2**	**24.74N**	**122.35E**	**6**	**3.2L**		**180-0**	
									¶97i3264
TAP	**I**	**22 10 19 36.8**	**21.84N**	**121.36E**	**17**	**3.4L**		**180-0**	
									¶97i3313
ISC	**I**	**22 22 13 09**±1.3	**22.86N**±.052	**121.42E**±.088	**11**±9.4		**14**	**0-2**	
TAP	I	22 22 13 09.0	22.87N	121.36E	17	3.7L			**¶97i3392**
TAP	Felt I=II J Chengkung								
JMA	**I**	**23 14 17 37.0**±.7	**23.92N**±.04	**122.32E**±.05	**21**	**3.3**			**¶97i3507**
TAP	I	23 14 17 38.0	23.99N	122.26E	7	3.3L			
TAP	**I**	**23 14 26 14.7**	**21.67N**	**121.49E**	**19**	**3.1L**		**180-0**	
									¶97i3510
TAP	**I**	**23 20 29 17.1**	**24.62N**	**122.48E**	**5**	**3.3L**		**180-0**	
									¶97i3543
TAP	**I**	**24 03 04 46.6**	**24.04N**	**122.54E**	**20**	**3.4L**		**180-0**	
									¶97i3587
TAP	**I**	**24 22 47 36.1**	**21.61N**	**121.91E**	**5**	**3.5L**		**180-0**	
									¶97i3698
TAP	**I**	**25 05 35 01.4**	**24.75N**	**122.19E**	**5**	**3.2L**		**180-0**	
									¶97i3752
TAP	**I**	**25 07 20 55.8**	**25.14N**	**122.20E**	**100**	**3.1L**		**180-0**	
									¶97i3769
TAP	**I**	**26 15 06 40.7**	**25.58N**	**122.92E**	**233**	**3.8L**		**180-0**	
									¶97i3955
TAP	**I**	**26 23 44 19.6**	**24.74N**	**122.41E**	**2**	**3.4L**		**1-2**	
JMA	I	26 23 44 18.3±1.4	24.75N±.12	122.36E±.10	20	3.1			**¶97i4017**
TAP	**I**	**27 02 37 57.5**	**24.69N**	**122.52E**	**4**	**3.1L**		**180-0**	
									¶97i4036
TAP	**I**	**27 07 01 08.0**	**21.81N**	**120.54E**	**45**	**3.1L**		**180-0**	
									¶97i4061
TAP	**I**	**27 07 47 12.8**	**24.77N**	**122.47E**	**13**	**3.0L**		**180-0**	
									¶97i4065
TAP	**I**	**27 10 10 13.9**	**24.72N**	**122.32E**	**3**	**3.2L**		**180-0**	
									¶97i4075
TAP	**I**	**27 11 19 09.3**	**24.67N**	**122.34E**	**4**	**3.3L**		**180-0**	
									¶97i4078
TAP	**I**	**28 09 46 24.0**	**22.13N**	**121.33E**	**8**	**3.2L**		**180-0**	
									¶97i4194
TAP	**I**	**29 04 04 41.3**	**21.75N**	**121.39E**	**13**	**3.1L**		**180-0**	
									¶97i4302
ISC	**I**	**29 06 43 39.3**±.61	**22.81N**±.044	**121.11E**±.061	**11**±5.4	**3.6b**	**27**	**0-84**	
EIDC	I	29 06 43 36.0	22.6N	121.7E	0	3.7b,4.1L			**¶97i4312**
BJI	I	29 06 43 38.4	22.51N	120.98E	27	4.0L,3.8s			
NEIC	I	29 06 43 38.9	22.65N	121.68E	33				
TAP	I	29 06 43 39.0	22.80N	121.10E	19	4.3L			
NEIC	Less reliable solution.								
TAP	Felt I=III J Taitung								
TAP	**I**	**29 06 53 51.9**	**22.82N**	**121.07E**	**15**	**3.7L**		**180-0**	
									¶97i4315
TAP	**I**	**29 14 30 03.3**	**24.96N**	**122.26E**	**117**	**3.6L**		**1-1**	
									¶97i4366
TAP	**I**	**29 22 25 14.2**	**24.66N**	**122.86E**	**136**	**3.1L**		**180-0**	
									¶97i4407
TAP	**I**	**30 00 40 48.1**	**21.66N**	**121.32E**	**4**	**3.7L**		**180-0**	
									¶97i4421
TAP	**I**	**30 15 04 38.3**	**22.82N**	**121.07E**	**20**	**3.1L**		**180-0**	
									¶97i4498
TAP	**I**	**30 16 08 08.4**	**24.74N**	**122.48E**	**86**	**3.8L**		**1-1**	
									¶97i4510
TAP	**I**	**30 18 03 55.7**	**24.46N**	**122.00E**	**8**	**3.1L**		**1-1**	
									¶97i4520
JMA	**I**	**30 22 35 59.8**±.3	**24.96N**±.05	**122.75E**±.02	**112**±4				**¶97i4554**
TAP	I	30 22 35 59.2	24.76N	122.74E	113	3.5L			
TAP	**I**	**31 01 39 16.0**	**22.45N**	**119.92E**	**24**	**3.3L**		**180-0**	
									¶97i4575
JMA	**I**	**31 10 56 19.7**±.4	**24.91N**±.05	**122.10E**±.03	**33**	**3.4**			**¶97i4615**
TAP	I	31 10 56 19.8	24.55N	121.93E	8	3.7L			
TAP	**I**	**31 17 24 26.1**	**21.83N**	**121.31E**	**7**	**3.0L**		**180-0**	
									¶97i4656
TAP	**II**	**01 20 25 34.4**	**21.95N**	**121.40E**	**24**	**3.1L**		**180-0**	
									¶97ii0117
TAP	**II**	**02 02 12 38.3**	**24.39N**	**122.03E**	**11**	**3.0L**		**180-0**	
									¶97ii0158
ISC	**II**	**03 16 09 54**±1.2	**22.1N**±.13	**121.52E**±.097	**9**±13		**10**	**0-3**	
TAP	II	03 16 09 53.5	22.04N	121.50E	11	3.5L			**¶97ii0401**
TAP	Felt I=III J Lanyu								
TAP	**II**	**04 02 52 38.6**	**24.83N**	**122.68E**	**8**	**3.3L**		**180-0**	
									¶97ii0452
TAP	**II**	**04 10 03 08.5**	**24.78N**	**122.43E**	**95**	**3.0L**		**180-0**	
									¶97ii0501
TAP	**II**	**04 23 39 31.5**	**24.74N**	**122.38E**	**17**	**3.0L**		**180-0**	
									¶97ii0606
ISC	**II**	**05 08 53 16**±1.4	**24.9N**±.31	**123.0E**±.19	**112**±23		**8**	**0-44**	
JMA	II	05 08 53 16.7±.3	24.90N±.03	123.04E±.03	102				**¶97ii0663**
TAP	**II**	**06 00 22 09.7**	**21.96N**	**121.38E**	**24**	**3.3L**		**180-0**	
									¶97ii0770
TAP	**II**	**06 02 29 41.7**	**24.87N**	**122.10E**	**106**	**4.3L**		**180-0**	
									¶97ii0788
TAP	**II**	**06 11 46 39.9**	**24.20N**	**122.25E**	**26**	**3.0L**		**200-0**	
									¶97ii0830
TAP	**II**	**06 15 26 48.6**	**24.68N**	**122.48E**	**2**	**3.6L**		**180-0**	
									¶97ii0864
TAP	**II**	**06 16 01 28.1**	**21.75N**	**121.39E**	**4**	**3.1L**		**180-0**	
									¶97ii0868
TAP	**II**	**07 00 42 28.8**	**24.03N**	**122.30E**	**17**	**3.4L**		**1-1**	
									¶97ii0925
TAP	**II**	**08 02 03 57.6**	**23.12N**	**122.35E**	**238**	**3.8L**		**180-0**	
									¶97ii1073
TAP	**II**	**08 04 42 42.4**	**21.81N**	**121.51E**	**3**	**3.0L**		**180-0**	
									¶97ii1094
ISC	**II**	**08 05 31 27**±1.0	**22.10N**±.083	**121.45E**±.074	**5**		**9**	**0-3**	
TAP	II	08 05 31 26.0	21.99N	121.39E	5	3.6L			**¶97ii1100**
TAP	Felt I=II J Lanyu								
ISC	**II**	**08 05 39 11**±2.3	**22.0N**±.18	**121.4E**±.10	**10**		**7**	**0-3**	
TAP	II	08 05 39 09.0	21.84N	121.53E	10	3.3L			**¶97ii1101**
TAP	Felt I=II J Lanyu								
TAP	**II**	**08 08 45 20.3**	**21.60N**	**121.39E**	**39**	**3.1L**		**180-0**	
									¶97ii1118
TAP	**II**	**08 18 59 24.1**	**24.64N**	**122.39E**	**5**	**3.4L**		**180-0**	
									¶97ii1185
ISC	**II**	**08 19 54 06**±7.6	**21.3N**±.45	**122.3E**±.41	**235**±57	**3.8b**	**7**	**17-85**	
NEIC	II	08 19 53 59.9	20.90N	122.60E	200				**¶97ii1194**
TAP	II	08 19 54 02.3	21.28N	122.23E	188	4.4L			
EIDC	II	08 19 54 04.6	21.0N	122.4E	228	3.6b			
NEIC	Poor solution.								
TAP	**II**	**09 06 39 00.4**	**23.95N**	**122.44E**	**13**	**3.1L**		**180-0**	
									¶97ii1273
ISC	**II**	**09 07 16 23**±1.3	**21.64N**±.059	**121.45E**±.080	**28**±9.0	**3.9b**	**37**	**0-85**	
NEIC	II	09 07 16 23.3	21.57N	121.08E	33	3.9b			**¶97ii1277**
BJI	II	09 07 16 24.3	21.66N	121.72E	33				
TAP	II	09 07 16 26.5	22.01N	121.38E	20	4.3L			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
EIDC	II	09 07 16 28.0	21.6N	121.5E	54	3.6b,3.9L			
NEIC		Less reliable solution.							
TAP		Felt I=II J Lanyu							
TAP	**II**	**09 12 12 58.8**	**23.47N**	**122.10E**	**12**	**3.1L**		**180-0**	
									¶97ii1304
TAP	**II**	**09 18 45 02.9**	**21.97N**	**121.31E**	**9**	**3.2L**		**200-0**	
									¶97ii1343
ISC	**II**	**10 04 55 39.8**±.91	**22.44N**±.098	**119.2E**±.11	**29**	**3.7b**	**16**	**3-85**	
EIDC	II	10 04 55 36.7	22.5N	119.3E	0	3.7b			**¶97ii1412**
NEIC	II	10 04 55 40.1	22.38N	119.18E	33	4.3b			
BJI	II	10 04 55 40.3	22.40N	118.99E	29	4.6L,4.6b			
NEIC		Less reliable solution.							
BJI		Ms4.0							
TAP	**II**	**10 14 23 16.3**	**22.78N**	**122.30E**	**17**	**3.2L**		**180-0**	
									¶97ii1475
TAP	**II**	**10 19 58 55.4**	**24.42N**	**122.62E**	**69**	**3.1L**		**200-0**	
									¶97ii1510
TAP	**II**	**10 21 33 33.3**	**23.99N**	**122.43E**	**13**	**3.3L**		**1-1**	
									¶97ii1521
TAP	**II**	**11 09 31 05.8**	**21.67N**	**121.34E**	**10**	**3.1L**		**180-0**	
									¶97ii1613
TAP	**II**	**11 14 27 23.3**	**22.13N**	**121.39E**	**2**	**3.1L**		**180-0**	
									¶97ii1636
TAP	**II**	**12 11 44 06.7**	**25.19N**	**122.74E**	**45**	**3.4L**		**180-0**	
									¶97ii1751
TAP	**II**	**12 11 44 09.5**	**24.81N**	**122.28E**	**4**	**3.0L**		**180-0**	
									¶97ii1752
TAP	**II**	**12 15 21 04.4**	**22.25N**	**121.39E**	**18**	**3.5L**		**180-0**	
									¶97ii1779
TAP	**II**	**12 19 18 14.3**	**22.77N**	**121.63E**	**14**	**3.3L**		**180-0**	
									¶97ii1806
TAP	**II**	**13 01 27 32.4**	**24.81N**	**122.21E**	**8**	**3.2L**		**180-0**	
									¶97ii1852
TAP	**II**	**13 02 16 26.2**	**22.06N**	**121.35E**	**11**	**3.5L**		**180-0**	
									¶97ii1860
TAP	**II**	**13 17 15 32.2**	**22.89N**	**121.34E**	**17**	**3.0L**		**180-0**	
									¶97ii1952
TAP	**II**	**13 19 30 19.1**	**24.23N**	**122.39E**	**46**	**3.0L**		**180-0**	
									¶97ii1970
JMA	**II**	**14 02 43 23.5**±.4	**24.69N**±.06	**122.25E**±.03	**50**	**3.2**			**¶97ii2008**
TAP	II	14 02 43 22.9	23.93N	122.32E	16	3.3L			
TAP	**II**	**14 04 49 19.9**	**24.73N**	**122.55E**	**103**	**3.2L**		**180-0**	
									¶97ii2029
TAP	**II**	**14 15 27 14.8**	**24.80N**	**122.19E**	**2**	**3.2L**		**180-0**	
									¶97ii2069
TAP	**II**	**15 02 02 08.8**	**24.77N**	**122.84E**	**129**	**3.4L**		**180-0**	
									¶97ii2159
ISC	**II**	**15 05 30 31**±2.9	**24.4N**±.62	**122.9E**±.31	**61**		**4**	**0-1**	
JMA	II	15 05 30 31.5±.3	24.40N±.03	122.87E±.02	61±2				**¶97ii2180**
ISC		Poorly determined							
ISC	**II**	**15 07 16 43**±1.6	**24.0N**±.20	**122.6E**±.10	**45**±18	3.5b	**9**	**1-83**	
BJI	II	15 07 16 29.0	23.16N	123.32E	30	3.7L			**¶97ii2189**
TAP	II	15 07 16 41.8	24.05N	122.59E	3	4.1L			
JMA	II	15 07 16 43.3±.8	24.13N±.05	122.65E±.05	44	3.9			
TAP	**II**	**16 02 32 08.1**	**21.91N**	**121.45E**	**12**	**3.1L**		**180-0**	
									¶97ii2330
TAP	**II**	**16 03 36 01.2**	**24.86N**	**122.22E**	**120**	**3.5L**		**180-0**	
									¶97ii2335
TAP	**II**	**17 09 24 00.2**	**21.62N**	**120.62E**	**47**	**3.1L**		**180-0**	
									¶97ii2471
TAP	**II**	**17 16 58 24.5**	**22.11N**	**121.33E**	**2**	**3.0L**		**200-0**	
									¶97ii2517
TAP	**II**	**17 19 13 37.3**	**21.96N**	**119.92E**	**21**	**3.1L**		**180-0**	
									¶97ii2532
TAP	**II**	**17 21 24 43.4**	**22.19N**	**121.43E**	**14**	**3.1L**		**180-0**	
									¶97ii2550
ISC	**II**	**19 14 59 19**±2.9	**25.2N**±.25	**122.3E**±.32	**106**±31	3.2b	**14**	**1-82**	
EIDC	II	19 14 58 56.7	22.6N	123.3E	0	4.1L,3.4b			**¶97ii2804**
TAP	II	19 14 59 21.6	24.79N	122.52E	123	4.3L			
JMA	II	19 14 59 22.9±.4	24.91N±.03	122.59E±.04	110				
TAP	**II**	**19 17 32 08.2**	**21.44N**	**121.22E**	**65**	**3.2L**		**180-0**	
									¶97ii2810
ISC	**II**	**20 10 50 09**±1.0	**24.07N**±.096	**122.46E**±.077	**48**±11	**3.7b**	**21**	**1-83**	
TAP	II	20 10 50 06.6	23.92N	122.40E	8	4.3L			**¶97ii2913**
BJI	II	20 10 50 08.1	24.09N	122.36E	43	3.7L,4.1b			
JMA	II	20 10 50 08.3±.5	24.19N±.04	122.42E±.03	55±4	3.8			
NEIC	II	20 10 50 08.8	24.09N	122.67E	50				
EIDC	II	20 10 50 19.0	24.0N	122.5E	128	3.4b			
NEIC		Less reliable solution.							
ISC	**II**	**21 21 15 47**±1.1	**24.0N**±.11	**122.54E**±.096	**51**±11	**3.8b**	**14**	**1-83**	
BJI	II	21 21 15 40.0	23.36N	122.97E	33	3.4L			**¶97ii3125**
EIDC	II	21 21 15 41.6	24.0N	122.9E	0	3.8b			
NEIC	II	21 21 15 44.8	23.95N	122.37E	33				
TAP	II	21 21 15 46.8	23.86N	122.71E	28	4.2L			
JMA	II	21 21 15 48.0±.7	24.08N±.04	122.60E±.04	49	3.9			
NEIC		Less reliable solution.							
TAP	**II**	**22 14 43 02.8**	**22.82N**	**121.09E**	**17**	**3.4L**		**180-0**	
									¶97ii3219
ISC	**II**	**23 09 40 33**±9.0	**23.9N**±.17	**122.1E**±.20	**6**±52	**3.6b**	**12**	**1-84**	
JMA	II	23 09 40 36.9±.6	23.90N±.04	122.22E±.04	45	3.7			**¶97ii3314**
TAP	II	23 09 40 37.3	23.93N	122.20E	9	3.9L			
NEIC	II	23 09 40 37.5	24.00N	122.18E	33	3.5b			
EIDC	II	23 09 40 44.3	23.9N	121.9E	83	3.2b,3.5L			
NEIC		Poor solution.							
ISC	**II**	**23 16 20 48**±2.6	**24.55N**±.053	**122.0E**±.20	**1**±12		**14**	**0-2**	
TAP	II	23 16 20 48.1	24.54N	121.91E	8	3.4L			**¶97ii3346**
TAP		Felt I=III J							
ISC	**II**	**23 16 22 25**±1.6	**24.59N**±.046	**122.2E**±.14	**8**		**19**	**0-7**	
TAP	II	23 16 22 26.8	24.55N	121.92E	8	4.0L			**¶97ii3347**
TAP		Felt I=IV J							
TAP	**II**	**24 08 28 49.1**	**22.66N**	**121.32E**	**16**	**3.1L**		**200-0**	
									¶97ii3447
TAP	**II**	**24 14 19 39.2**	**24.14N**	**122.20E**	**4**	**3.5L**		**180-0**	
									¶97ii3488
TAP	**II**	**24 15 23 59.3**	**24.94N**	**122.15E**	**121**	**3.4L**		**180-0**	
									¶97ii3497
ISC	**II**	**24 22 09 48**±4.4	**24.3N**±.54	**122.9E**±.37	**51**		**4**	**0-1**	
JMA	II	24 22 09 48.6±.5	24.33N±.05	122.99E±.03	51±4	3.1			**¶97ii3543**
TAP	II	24 22 09 49.2	24.13N	122.84E	14	3.1L			
ISC		Poorly determined							
TAP	**II**	**24 23 11 21.4**	**24.63N**	**122.56E**	**91**	**3.3L**		**0-0**	
									¶97ii3551
TAP	**II**	**25 05 33 52.2**	**23.97N**	**122.78E**	**21**	**3.0L**		**1-1**	
									¶97ii3586
TAP	**II**	**25 06 39 27.7**	**21.74N**	**121.33E**	**9**	**4.2L**		**3-85**	
									¶97ii3593
TAP	**II**	**26 17 13 35.3**	**24.73N**	**122.67E**	**15**	**3.1L**		**180-0**	
									¶97ii3827
ISC	**II**	**26 19 43 42.0**±.98	**24.1N**±.10	**122.66E**±.081	**50**±11	**3.6b**	**18**	**0-83**	
TAP	II	26 19 43 40.5	23.92N	122.58E	10	4.0L			**¶97ii3845**
BJI	II	26 19 43 41.0	24.06N	122.69E	44	3.5L			
JMA	II	26 19 43 41.3±.3	24.15N±.03	122.59E±.02	54±2	3.9			
NEIC	II	26 19 43 42.3	24.12N	122.89E	55				
EIDC	II	26 19 43 50.3	24.1N	122.5E	111	3.3b			
NEIC		Poor solution.							
TAP	**II**	**27 05 49 31.2**	**22.64N**	**121.34E**	**16**	**3.5L**		**180-0**	
									¶97ii3908
TAP	**II**	**28 10 07 03.4**	**24.90N**	**122.29E**	**5**	**3.5L**		**1-1**	
									¶97ii4207
TAP	**II**	**28 21 21 38.6**	**23.95N**	**122.27E**	**10**	**3.3L**		**1-1**	
									¶97ii4343
JMA	**II**	**28 22 30 59.2**±.6	**24.10N**±.06	**122.38E**±.04	**55**	**3.0**			**¶97ii4353**
TAP	II	28 22 30 57.8	24.18N	122.29E	32	3.4L			
TAP	**III**	**02 11 28 27.6**	**21.73N**	**121.68E**	**5**	**3.2L**		**180-0**	
									¶97iii0295
ISC	**III**	**02 23 18 31.4**±.68	**24.53N**±.084	**122.62E**±.090	**112**±8.1	**3.7b**	**18**	**0-83**	
TAP	III	02 23 18 32.5	24.54N	122.76E	86	4.9L			**¶97iii0422**
JMA	III	02 23 18 34.0±.4	24.75N±.05	122.76E±.03	88±5				
BJI	III	02 23 18 40.6	25.22N	121.79E	19	3.4L			
EIDC	III	02 23 18 47.3	24.6N	126.5E	181	3.4b			
TAP	**III**	**03 07 43 16.0**	**24.69N**	**122.50E**	**8**	**3.1L**		**180-0**	
									¶97iii0513
TAP	**III**	**03 11 41 23.5**	**21.32N**	**122.66E**	**53**	**3.6L**		**180-0**	
									¶97iii0566
TAP	**III**	**03 19 09 17.4**	**24.87N**	**122.39E**	**8**	**3.0L**		**180-0**	
									¶97iii0667
TAP	**III**	**03 23 01 44.7**	**21.65N**	**121.26E**	**8**	**3.2L**		**180-0**	
									¶97iii0707
TAP	**III**	**05 06 02 35.2**	**21.68N**	**121.36E**	**5**	**3.2L**		**180-0**	
									¶97iii0995
TAP	**III**	**05 06 10 23.5**	**21.62N**	**121.43E**	**13**	**3.9L**		**180-0**	
									¶97iii0996
JMA	**III**	**05 10 36 07.2**±.2	**24.70N**±.05	**122.67E**±.02	**109**				**¶97iii1039**
TAP	III	05 10 36 06.6	24.64N	122.58E	107	3.4L			
TAP	**III**	**06 00 34 44.3**	**24.83N**	**122.31E**	**4**	**3.0L**		**180-0**	
									¶97iii1155
TAP	**III**	**06 02 09 44.5**	**24.10N**	**122.27E**	**19**	**3.3L**		**180-0**	
									¶97iii1167
TAP	**III**	**06 14 52 53.7**	**21.81N**	**121.57E**	**10**	**3.2L**		**180-0**	
									¶97iii1294
TAP	**III**	**07 20 09 11.4**	**22.59N**	**121.40E**	**26**	**3.6L**		**180-0**	
									¶97iii1594
ISC	**III**	**07 23 36 07.2**±.83	**22.01N**±.054	**121.47E**±.070	**29**±6.4	**3.5b**	**27**	**0-57**	
EIDC	III	07 23 36 05.7	21.9N	121.7E	0	3.6b,4.0L			**¶97iii1623**
TAP	III	07 23 36 07.8	22.11N	121.37E	13	4.2L			
NEIC	III	07 23 36 08.3	21.84N	121.63E	33				
TAP		Felt I=III J Lanyu							
NEIC		Single network solution.							
TAP	**III**	**09 01 27 52.1**	**22.16N**	**121.81E**	**259**	**3.3L**		**180-0**	
									¶97iii1876
TAP	**III**	**09 07 04 39.0**	**24.97N**	**122.65E**	**136**	**3.3L**		**180-0**	
									¶97iii1926
TAP	**III**	**09 20 47 36.9**	**21.90N**	**121.38E**	**16**	**3.0L**		**180-0**	
									¶97iii2082
TAP	**III**	**10 06 55 33.2**	**22.04N**	**121.07E**	**21**	**3.9L**		**180-0**	
									¶97iii2157
ISC	**III**	**10 07 33 39.6**±.33	**24.12N**±.027	**122.30E**±.033	**46**±3.9	**4.5b,4.6s**	**95**	**1-85**	
TAP	III	10 07 33 37.2	24.08N	122.34E	9	5.1L			**¶97iii2168**
MOS	III	10 07 33 38.0	24.3N	122.3E	33	5.1b,4.6s			
JMA	III	10 07 33 39.4±.5	24.36N±.05	122.23E±.04	50	5.0			
NEIC	III	10 07 33 44.1	24.18N	122.36E	84	4.7b			
EIDC	III	10 07 33 46.7	24.2N	122.3E	95	4.2b			
BJI	III	10 07 33 47.1	24.50N	121.93E	84	4.5b,4.7s			
TAP		Felt I=III J, I llan							
TAP	**III**	**10 08 01 09.7**	**24.09N**	**122.23E**	**17**	**3.2L**		**180-0**	
									¶97iii2172
ISC	**III**	**10 14 41 59.0**±.90	**24.08N**±.067	**122.30E**±.059	**41**±9.6	**4.0b,**4.4s	**38**	**1-84**	
TAP	III	10 14 41 56.1	23.95N	122.24E	7	4.6L			**¶97iii2234**
JMA	III	10 14 41 58.0±.7	24.25N±.06	122.15E±.05	62				
BJI	III	10 14 42 03.3	24.23N	122.24E	80	4.3b,4.5s			
NEIC	III	10 14 42 05.1	24.02N	122.35E	100	3.9b			
EIDC	III	10 14 42 05.7	24.0N	122.3E	91	3.6b			
NEIC		Less reliable solution.							
TAP	**III**	**11 05 22 21.3**	**24.72N**	**122.01E**	**72**	**3.6L**		**180-0**	
									¶97iii2311
TAP	**III**	**11 08 07 22.5**	**21.57N**	**121.11E**	**19**	**3.0L**		**180-0**	
									¶97iii2341
TAP	**III**	**11 19 19 19.6**	**21.59N**	**121.05E**	**8**	**3.4L**		**180-0**	
									¶97iii2430
TAP	**III**	**12 12 14 09.3**	**21.21N**	**121.84E**	**181**	**4.5L**		**180-0**	
									¶97iii2534
JMA	**III**	**12 13 01 15.0**±.9	**24.90N**±.08	**122.33E**±.07	**29**	**3.5**			**¶97iii2540**
TAP	III	12 13 01 17.1	24.77N	122.23E	3	3.3L			
EIDC	III	12 13 01 26.2	24.0N	122.8E	0	3.7b,3.9L			
TAP	**III**	**12 18 29 15.0**	**24.11N**	**122.22E**	**13**	**3.7L**		**1-59**	
EIDC	III	12 18 29 12.3	24.0N	122.2E	0	3.7b			**¶97iii2572**
JMA	III	12 18 29 14.6±.4	24.76N±.05	122.23E±.03	50	3.5			
TAP	**III**	**13 04 37 56.2**	**23.95N**	**122.34E**	**6**	**3.3L**		**180-0**	
									¶97iii2646
ISC	**III**	**13 22 49 31.3**±.64	**24.26N**±.044	**122.10E**±.046	**24**±7.8		**28**	**0-7**	
BJI	III	13 22 49 19.1	23.73N	122.77E	24	3.5L,3.6s			**¶97iii2777**
TAP	III	13 22 49 30.2	24.29N	122.14E	11	4.1L			
JMA	III	13 22 49 32.7±.6	23.91N±.03	122.45E±.04	0	3.5			
TAP		Felt I=III J							
JMA	**III**	**14 11 01 12.1**±.5	**23.99N**±.03	**122.40E**±.04	**56**	**3.1**			**¶97iii2860**
TAP	III	14 11 01 11.3	23.72N	122.47E	14	3.3L			
TAP	**III**	**15 19 39 38.8**	**24.66N**	**122.03E**	**5**	**3.0L**		**1-1**	
									¶97iii3097

TAP	**III**	**16 03 15 32.4**	**24.14N**	**122.42E**	**35**	**3.3L**	**180-0**	
								¶97iii3157
TAP	**III**	**16 07 19 13.7**	**22.01N**	**121.37E**	**22**	**3.1L**	**180-0**	
								¶97iii3187
TAP	**III**	**16 07 51 39.2**	**21.94N**	**120.52E**	**43**	**3.0L**	**180-0**	
								¶97iii3193
TAP	**III**	**16 13 07 48.3**	**21.56N**	**121.60E**	**104**	**3.4L**	**180-0**	
								¶97iii3227
TAP	**III**	**16 13 25 48.3**	**21.51N**	**121.66E**	**3**	**3.2L**	**180-0**	
								¶97iii3231
TAP	**III**	**16 13 32 21.8**	**25.39N**	**122.38E**	**269**	**3.8L**	**180-0**	
								¶97iii3232
TAP	**III**	**16 19 24 49.4**	**22.41N**	**121.38E**	**11**	**3.3L**	**180-0**	
								¶97iii3259
TAP	**III**	**17 00 58 26.4**	**22.64N**	**122.23E**	**11**	**3.3L**	**180-0**	
								¶97iii3295
TAP	**III**	**17 16 05 30.2**	**21.14N**	**119.99E**	**7**	**3.2L**	**180-0**	
								¶97iii3398
JMA	**III**	**18 00 15 13.6**±.4	**23.88N**±.04	**122.86E**±.02	**61**			**¶97iii3453**
TAP	III	18 00 15 14.2	23.76N	122.61E	6	3.3L		
TAP	**III**	**18 11 21 58.6**	**21.70N**	**121.37E**	**8**	**3.4L**	**180-0**	
								¶97iii3524
TAP	**III**	**19 05 54 25.1**	**24.65N**	**122.01E**	**54**	**3.1L**	**180-0**	
								¶97iii3642
TAP	**III**	**19 10 31 44.0**	**24.75N**	**122.39E**	**96**	**3.2L**	**180-0**	
								¶97iii3685
TAP	**III**	**19 18 01 43.3**	**23.02N**	**122.90E**	**72**	**3.5L**	**180-0**	
								¶97iii3745
ISC	**III**	**19 23 03 45**±1.2	**22.9N**±.13	**122.6E**±.17	**41**	**3.4b**	**9 2-84**	
EIDC	III	19 23 03 47.7	22.9N	122.9E	41	3.2b,4.0L		**¶97iii3779**
TAP	III	19 23 03 49.5	23.76N	122.45E	8	4.1L		
JMA	III	19 23 03 50.5±.7	23.86N±.05	122.45E±.04	54	3.6		
JMA	**III**	**20 18 52 01.4**±.8	**23.94N**±.04	**122.50E**±.06	**33**	**2.8**		**¶97iii3938**
JMA	**III**	**20 19 32 38.2**±.7	**23.97N**±.04	**122.50E**±.04	**40**	**3.1**		**¶97iii3942**
TAP	III	20 19 32 36.9	23.81N	122.47E	6	3.5L		
ISC	**III**	**20 23 10 17**±1.2	**23.9N**±.11	**122.57E**±.086	**42**±16	**3.8b**	**15 1-83**	
BJI	III	20 23 10 15.4	23.90N	122.69E	30	3.5L,4.4b		**¶97iii3965**
TAP	III	20 23 10 15.5	23.81N	122.47E	7	4.2L		
JMA	III	20 23 10 16.3±.6	24.00N±.04	122.47E±.04	47	3.9		
NEIC	III	20 23 10 16.3	23.93N	122.72E	33	4.3b		
EIDC	III	20 23 10 26.6	23.9N	122.6E	117	3.3b		
BJI	Ms3.6							
NEIC	Less reliable solution.							
TAP	**III**	**21 19 59 05.2**	**21.81N**	**121.43E**	**14**	**3.3L**	**180-0**	
								¶97iii4122
TAP	**III**	**21 23 47 39.2**	**21.86N**	**121.36E**	**16**	**3.2L**	**180-0**	
								¶97iii4156
TAP	**III**	**22 20 02 55.3**	**24.90N**	**122.78E**	**6**	**3.3L**	**180-0**	
								¶97iii4311
ISC	**III**	**22 22 22 27**±5.4	**24.9N**±.77	**122.9E**±.35	**107**		**4 0-1**	
JMA	III	22 22 22 26.8±.3	24.92N±.05	122.94E±.02	107			**¶97iii4329**
ISC	Poorly determined							
TAP	**III**	**23 00 44 54.4**	**22.58N**	**121.61E**	**120**	**3.7L**	**180-0**	
								¶97iii4353
TAP	**III**	**23 19 39 18.2**	**24.72N**	**122.53E**	**65**	**3.0L**	**180-0**	
								¶97iii4481
ISC	**III**	**23 23 01 43**±1.1	**24.82N**±.037	**122.07E**±.065	**3**±6.9	**3.9b**	**34 0-82**	
TAP	III	23 23 01 43.1	24.83N	121.99E	8	4.0L		**¶97iii4492**
BJI	III	23 23 01 54.2	24.89N	122.09E	110	4.0b		
NEIC	III	23 23 01 55.5	24.80N	122.38E	117	4.1b		
EIDC	III	23 23 01 58.1	24.7N	122.0E	125	3.4b		
TAP	Felt I=II J							
NEIC	Less reliable solution.							
TAP	**III**	**24 03 50 53.9**	**24.62N**	**122.49E**	**19**	**3.1L**	**180-0**	
								¶97iii4521
TAP	**III**	**24 05 12 18.6**	**23.98N**	**122.69E**	**5**	**3.1L**	**180-0**	
								¶97iii4533
ISC	**III**	**24 10 26 04.6**±.69	**22.64N**±.038	**121.35E**±.067	**23**±6.3	**3.7b**,4.0s	**33 0-51**	
BJI	III	24 10 26 03.1	22.49N	121.07E	24	4.0L,4.4b		**¶97iii4560**
EIDC	III	24 10 26 03.1	22.4N	121.4E	0	3.6b,4.0s		
TAP	III	24 10 26 03.3	22.73N	121.38E	11	4.5L		
NEIC	III	24 10 26 06.2	22.39N	121.45E	33	4.0b		
TAP	Felt I=I'3d J							
NEIC	Less reliable solution.							
TAP	**III**	**25 05 54 03.6**	**21.66N**	**121.36E**	**9**	**3.2L**	**180-0**	
								¶97iii4678
TAP	**III**	**26 11 18 35.1**	**21.10N**	**122.21E**	**93**	**3.4L**	**180-0**	
								¶97iii4939
TAP	**III**	**26 23 49 20.1**	**21.06N**	**121.88E**	**167**	**4.0L**	**180-0**	
								¶97iii5096
TAP	**III**	**27 03 53 13.4**	**21.90N**	**121.58E**	**92**	**3.5L**	**180-0**	
								¶97iii5135
ISC	**III**	**27 20 32 07**±1.1	**24.59N**±.077	**122.12E**±.085	**44**±11	**3.8b**	**23 1-82**	
TAP	III	27 20 32 05.2	24.37N	122.08E	12	4.4L		**¶97iii5304**
BJI	III	27 20 32 07.5	24.65N	122.13E	51	3.9L,4.7b		
NEIC	III	27 20 32 07.6	24.66N	122.25E	56	4.1b		
EIDC	III	27 20 32 21.7	24.5N	121.9E	171	3.3b		
BJI	Ms3.7							
NEIC	Less reliable solution.							
TAP	**III**	**28 10 25 39.6**	**24.77N**	**122.56E**	**78**	**3.6L**	**0-0**	
								¶97iii5421
TAP	**III**	**29 03 07 45.8**	**22.49N**	**121.35E**	**12**	**4.0L**	**4-4**	
								¶97iii5524
TAP	**III**	**30 04 21 44.4**	**21.85N**	**121.46E**	**20**	**3.1L**	**180-0**	
								¶97iii5694
TAP	**IV**	**01 00 05 37.2**	**25.24N**	**122.84E**	**132**	**3.1L**	**180-0**	
								¶97iv0001
TAP	**IV**	**01 00 39 08.5**	**21.67N**	**121.42E**	**18**	**3.1L**	**180-0**	
								¶97iv0004
TAP	**IV**	**02 08 03 47.1**	**24.99N**	**122.02E**	**112**	**3.5L**	**180-0**	
								¶97iv0210
TAP	**IV**	**04 00 56 32.3**	**22.87N**	**122.43E**	**36**	**3.1L**	**180-0**	
								¶97iv0512
TAP	**IV**	**04 10 37 18.6**	**22.70N**	**121.32E**	**87**	**3.2L**	**180-0**	
								¶97iv0597
TAP	**IV**	**04 10 53 08.5**	**23.73N**	**122.26E**	**10**	**3.0L**	**180-0**	
								¶97iv0600
TAP	**IV**	**04 20 35 06.7**	**25.34N**	**122.47E**	**191**	**3.5L**	**180-0**	
								¶97iv0654
ISC	**IV**	**05 00 20 58**±2.7	**24.35N**±.056	**122.1E**±.22	**10**±11		**13 0-2**	
TAP	IV	05 00 20 58.3	24.41N	121.94E	16	3.1L		**¶97iv0672**
TAP	Felt I=III J							
TAP	**IV**	**06 03 45 40.3**	**24.21N**	**119.87E**	**9**	**3.1L**	**180-0**	
								¶97iv0919
JMA	**IV**	**08 01 40 47.4**±.5	**23.79N**±.05	**122.16E**±.04	**80**			**¶97iv1257**
TAP	IV	08 01 40 46.2	23.72N	121.97E	22	3.7L		
TAP	**IV**	**08 03 03 01.5**	**24.11N**	**122.20E**	**5**	**3.3L**	**180-0**	
								¶97iv1264
TAP	**IV**	**09 16 41 17.6**	**25.20N**	**122.64E**	**148**	**3.3L**	**180-0**	
								¶97iv1554
ISC	**IV**	**09 23 42 06**±1.1	**24.01N**±.066	**122.5E**±.11	**44**±12	**3.9b**	**21 1-84**	
TAP	IV	09 23 42 04.8	23.87N	122.46E	8	4.2L		**¶97iv1600**
BJI	IV	09 23 42 06.2	24.08N	122.50E	29	3.5L,4.2b		
JMA	IV	09 23 42 06.4±.5	24.12N±.04	122.48E±.03	54	3.8		
NEIC	IV	09 23 42 07.0	24.09N	122.57E	52	4.5b		
EIDC	IV	09 23 42 08.1	24.1N	122.7E	41	3.7b,2.8s		
NEIC	Less reliable solution.							
TAP	**IV**	**10 04 41 40.0**	**23.85N**	**122.29E**	**2**	**3.0L**	**180-0**	
								¶97iv1630
TAP	**IV**	**10 06 40 20.1**	**22.83N**	**121.43E**	**25**	**3.5L**	**180-0**	
								¶97iv1645
BJI	**IV**	**10 13 45 32.4**	**22.07N**	**118.28E**	**5**	**4.3L,4.7b**		**¶97iv1703**
JMA	**IV**	**11 08 45 41.0**±.2	**24.14N**±.03	**122.32E**±.02	**54**	**3.0**		**¶97iv1844**
TAP	IV	11 08 45 40.2	24.50N	122.29E	34	3.1L		
TAP	**IV**	**11 11 34 21.7**	**21.95N**	**121.15E**	**19**	**3.9L**	**2-4**	
								¶97iv1888
ISC	**IV**	**11 19 18 28**±4.5	**24.9N**±.55	**123.0E**±.30	**121**		**5 0-2**	
JMA	IV	11 19 18 27.9±.3	24.96N±.04	122.97E±.02	121			**¶97iv1960**
TAP	**IV**	**12 16 20 15.9**	**24.59N**	**119.07E**	**8**	**3.4L**	**180-0**	
								¶97iv2097
BJI	**IV**	**13 15 44 26.7**	**22.30N**	**118.80E**	**15**	**3.2L**		**¶97iv2259**
JMA	**IV**	**14 05 11 26.2**±.8	**25.08N**±.04	**122.32E**±.06	**14**	**2.9**		**¶97iv2391**
TAP	IV	14 05 11 27.8	24.34N	122.09E	5	3.2L		
ISC	**IV**	**14 14 36 43**±1.6	**24.1N**±.17	**122.2E**±.17	**45**	**3.5b**	**10 1-83**	
BJI	IV	14 14 36 41.1	23.80N	122.14E	17	3.3L		**¶97iv2473**
TAP	IV	14 14 36 41.4	23.99N	122.30E	18	4.0L		
JMA	IV	14 14 36 42.5±.4	24.18N±.04	122.17E±.03	45	3.8		
EIDC	IV	14 14 36 43.2	24.1N	124.8E	0	3.4b		
TAP	**IV**	**15 09 27 10.6**	**25.20N**	**122.81E**	**258**	**3.8L**	**180-0**	
								¶97iv2585
TAP	**IV**	**15 13 27 58.7**	**21.49N**	**121.07E**	**9**	**3.1L**	**180-0**	
								¶97iv2605
TAP	**IV**	**15 19 27 50.8**	**24.75N**	**122.09E**	**73**	**3.3L**	**180-0**	
								¶97iv2639
ISC	**IV**	**15 21 33 24.9**±.39	**23.99N**±.027	**122.33E**±.040	**40**±4.0	**4.5b,4.3s**	**98 1-92**	
TAP	IV	15 21 33 22.6	23.99N	122.30E	5	4.9L		**¶97iv2650**
MOS	IV	15 21 33 23.7	24.1N	122.7E	33	4.9b,4.4s		
JMA	IV	15 21 33 23.9±.6	24.16N±.06	122.15E±.04	50	4.6		
BJI	IV	15 21 33 26.1	24.17N	122.43E	51	4.2L,4.6b		
NEIC	IV	15 21 33 26.7	24.14N	122.42E	54	4.8b,4.5s		
EIDC	IV	15 21 33 29.5	24.1N	122.4E	71	4.0b,3.6s		
TAP	Felt I=II J							
BJI	Ms4.5							
NEIC	Poor solution.							
TAP	**IV**	**15 21 34 20.5**	**23.94N**	**122.36E**	**12**	**4.4L**	**180-0**	
								¶97iv2651
TAP	**IV**	**15 23 38 22.2**	**23.95N**	**122.33E**	**15**	**3.1L**	**180-0**	
								¶97iv2663
ISC	**IV**	**15 23 41 27**±1.0	**23.98N**±.062	**122.25E**±.097	**44**±11	**3.7b**	**23 1-84**	
BJI	IV	15 23 41 23.0	24.07N	122.51E	16	3.4L,4.4b		**¶97iv2664**
TAP	IV	15 23 41 24.5	23.93N	122.36E	12	4.2L		
NEIC	IV	15 23 41 25.6	24.08N	122.50E	33	3.9b		
JMA	IV	15 23 41 27.1±.4	24.13N±.04	122.23E±.03	45	4.1		
EIDC	IV	15 23 41 38.7	24.1N	122.3E	131	3.4b		
BJI	Ms3.6							
NEIC	Less reliable solution.							
ISC	**IV**	**16 10 33 04**±1.6	**22.96N**±.071	**121.5E**±.16	**16**		**6 0-1**	
TAP	IV	16 10 33 05.6	23.01N	121.33E	16	2.6L		**¶97iv2744**
TAP	Felt I=II J Chengkung							
TAP	**IV**	**16 15 51 47.2**	**25.48N**	**122.38E**	**282**	**3.8L**	**180-0**	
								¶97iv2782
TAP	**IV**	**17 03 52 38.1**	**22.09N**	**121.10E**	**25**	**3.9L**	**2-2**	
								¶97iv2851
TAP	**IV**	**17 05 20 41.5**	**24.90N**	**122.60E**	**189**	**3.4L**	**180-0**	
								¶97iv2857
ISC	**IV**	**17 12 24 47**±3.1	**23.8N**±.24	**122.5E**±.20	**9**	3.2b	**6 1-83**	
TAP	IV	17 12 24 51.6	23.88N	122.72E	9	3.3L		**¶97iv2896**
JMA	IV	17 12 24 54.4±.7	24.04N±.03	122.94E±.03	0	3.2		
JMA	**IV**	**17 13 34 59.4**±.5	**25.21N**±.03	**122.48E**±.04	**10**	**3.1**		**¶97iv2914**
TAP	IV	17 13 34 58.1	24.68N	122.05E	64	3.5L		
TAP	**IV**	**17 14 35 30.4**	**24.36N**	**122.05E**	**25**	**3.4L**	**200-0**	
								¶97iv2920
TAP	**IV**	**17 23 21 44.7**	**23.96N**	**122.36E**	**39**	**3.0L**	**180-0**	
								¶97iv2989
ISC	**IV**	**20 02 52 53**±2.9	**24.32N**±.073	**122.1E**±.22	**7**±13		**11 0-1**	
TAP	IV	20 02 52 54.2	24.38N	122.00E	11	3.0L		**¶97iv3265**
TAP	Felt I=II J							
ISC	**IV**	**20 05 53 09.3**±.59	**22.73N**±.044	**121.09E**±.076	**16**±8.4		**15 0-2**	
TAP	IV	20 05 53 08.4	22.70N	121.06E	13	3.7L		**¶97iv3278**
TAP	Felt I=II J Pinlang							
TAP	**IV**	**20 12 24 32.8**	**22.94N**	**122.29E**	**4**	**3.0L**	**180-0**	
								¶97iv3310
ISC	**IV**	**20 19 54 34**±1.4	**21.3N**±.16	**122.4E**±.25	**33**	**3.3b**	**4 17-46**	
EIDC	IV	20 19 54 31.6	21.3N	122.4E	0	3.3b,3.8L		**¶97iv3354**
ISC	Poorly determined							
TAP	**IV**	**21 08 22 22.7**	**24.86N**	**122.57E**	**16**	**3.8L**	**180-0**	
								¶97iv3429
TAP	**IV**	**21 08 30 05.9**	**24.85N**	**122.52E**	**15**	**3.2L**	**180-0**	
								¶97iv3430
TAP	**IV**	**22 07 35 53.8**	**22.09N**	**121.66E**	**10**	**3.1L**	**180-0**	
								¶97iv3667
TAP	**IV**	**22 09 35 56.5**	**22.93N**	**121.54E**	**29**	**3.3L**	**180-0**	
								¶97iv3686
ISC	**IV**	**22 21 58 14**±1.3	**21.1N**±.12	**122.4E**±.25	**174**±12	**3.7b**	**9 1-56**	
NEIC	IV	22 21 58 06.5	21.07N	122.41E	100			**¶97iv3834**
EIDC	IV	22 21 58 06.5	21.0N	122.4E	77	3.6b,4.5L		
TAP	IV	22 21 58 14.3	21.19N	122.07E	174	4.9L		
NEIC	Less reliable solution.							
ISC	**IV**	**23 12 12 58**±2.3	**24.33N**±.053	**122.0E**±.22	**10**		**10 0-2**	
TAP	IV	23 12 12 58.5	24.39N	121.95E	10	3.0L		**¶97iv3955**
TAP	Felt I=II J							

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
TAP	**IV**	**23 18 59 02.8**	**21.26N**	**121.73E**	**101**	**3.6L**		**1-1**
								¶97iv4015
TAP	**IV**	**24 01 20 31.7**	**24.45N**	**122.67E**	**67**	**3.2L**		**180-0**
								¶97iv4057
TAP	**IV**	**24 01 36 10.0**	**22.91N**	**121.39E**	**19**	**3.4L**		**180-0**
								¶97iv4058
TAP	**IV**	**24 11 47 15.2**	**24.79N**	**122.28E**	**7**	**3.1L**		**180-0**
								¶97iv4135
TAP	**IV**	**24 21 02 44.6**	**25.23N**	**122.85E**	**181**	**3.8L**		**180-0**
								¶97iv4209
JMA	**IV**	**25 03 59 04.6**±.3	**24.12N**±.03	**122.43E**±.02	**57**	**3.0**		¶97iv4277
TAP	IV	25 03 59 02.9	23.96N	122.49E	9	3.2L		
TAP	**IV**	**25 21 39 05.2**	**24.74N**	**122.58E**	**82**	**3.2L**		**180-0**
								¶97iv4422
TAP	**IV**	**26 04 55 10.1**	**24.47N**	**122.75E**	**57**	**3.9L**		**180-0**
								¶97iv4470
TAP	**IV**	**27 00 22 24.1**	**21.24N**	**121.17E**	**15**	**3.4L**		**180-0**
								¶97iv4630
ISC	**IV**	**27 04 42 56**±2.4	**24.9N**±.14	**122.8E**±.14	**18**±16	**3.9b**		**15 0-120**
JMA	IV	27 04 42 54.2±.6	25.03N±.03	122.70E±.04	24	3.6		¶97iv4663
EIDC	IV	27 04 42 57.1	24.4N	121.2E	0	3.9b,3.8L		
NEIC	IV	27 04 42 59.3	24.46N	121.25E	33			
NEIC	Single network solution.							
ISC	**IV**	**27 05 16 02**±1.3	**24.86N**±.078	**122.98E**±.089	**28**±11	**3.9b**,4.1s		**24 0-82**
JMA	IV	27 05 15 59.5±.8	25.00N±.04	122.90E±.04	14	3.7		¶97iv4665
BJI	IV	27 05 16 11.0	24.99N	122.64E	95	3.9b		
NEIC	IV	27 05 16 11.9	24.74N	122.44E	126	3.9b		
EIDC	IV	27 05 16 20.4	24.9N	122.9E	196	3.4b		
NEIC	Less reliable solution.							
TAP	**IV**	**28 08 24 55.0**	**24.73N**	**122.57E**	**22**	**3.1L**		**180-0**
								¶97iv4878
ISC	**IV**	**28 14 54 51**±6.8	**23.90N**±.098	**122.4E**±.11	**6**±49	3.3b		**10 1-49**
BJI	IV	28 14 54 46.8	23.74N	122.70E	15	3.4L		¶97iv4940
TAP	IV	28 14 54 52.0	23.95N	122.37E	9	4.2L		
EIDC	IV	28 14 54 52.6	23.7N	122.4E	0	3.2b,3.9L		
JMA	IV	28 14 54 54.1±.4	24.16N±.03	122.39E±.03	52	3.7		
JMA	**IV**	**28 17 51 29.8**±.4	**24.30N**±.04	**122.31E**±.03	**34**	**2.8**		¶97iv4962
ISC	**IV**	**30 15 33 36**±1.1	**22.03N**±.066	**121.57E**±.089	**13**±7.3			**16 0-3**
TAP	IV	30 15 33 34.9	22.06N	121.67E	5	3.7L		¶97iv5230
TAP	Felt I=II J at Lanyu							
TAP	**IV**	**30 19 26 14.2**	**23.95N**	**122.32E**	**4**	**3.0L**		**180-0**
								¶97iv5254
ISC	**V**	**01 00 58 51**±1.9	**24.02N**±.048	**122.0E**±.11	**7**±11	3.4b		**23 0-83**
BJI	V	01 00 58 46.7	23.90N	122.18E	6	3.7L,3.4s		¶97v0005
TAP	V	01 00 58 52.6	24.10N	121.83E	8	4.2L		
TAP	Felt I=II J							
TAP	**V**	**01 12 50 31.7**	**24.97N**	**122.65E**	**5**	**3.2L**		**180-0**
								¶97v0104
TAP	**V**	**01 15 15 41.7**	**24.01N**	**122.60E**	**17**	**3.1L**		**180-0**
								¶97v0118
TAP	**V**	**02 04 36 46.7**	**24.50N**	**122.63E**	**80**	**3.0L**		**180-0**
								¶97v0206
ISC	**V**	**02 19 40 18**±1.2	**23.87N**±.092	**122.8E**±.15	**20**	**3.2b**		**9 1-83**
JMA	V	02 19 40 20.0±.3	23.97N±.02	122.94E±.01	20	3.4		¶97v0320
EIDC	V	02 19 40 31.1	24.0N	124.0E	112	2.9b,3.6L		
ISC	**V**	**02 23 37 28**±3.4	**22.45N**±.076	**118.6E**±.11	**26**±31	**3.7b**		**14 2-85**
NEIC	V	02 23 37 29.8	22.35N	118.95E	33	3.4b		¶97v0344
EIDC	V	02 23 37 30.4	22.3N	118.9E	15	3.6b,4.2L		
BJI	V	02 23 37 37.9	23.25N	118.16E	19	4.3L,4.5b		
NEIC	Less reliable solution.							
BJI	Ms3.9							
ISC	**V**	**03 02 46 14.9**±.52	**22.45N**±.021	**121.43E**±.034	**26**±3.8	**4.9b,4.8s**		**226 0-176**
TAP	V	03 02 46 13.7	22.54N	121.40E	4	5.3L		¶97v0361
NEIC	V	03 02 46 15.3	22.39N	121.47E	33	5.1b,5.0s		
BJI	V	03 02 46 15.5	22.71N	121.14E	4	4.8L,4.8b		
MOS	V	03 02 46 15.8	22.4N	121.4E	33	5.3b,4.8s		
HRVD	V	03 02 46 17.0±.1	22.08N±.02	120.83E±.01	54±1.1			
EIDC	V	03 02 46 19.7	22.4N	121.5E	61	4.4b,4.1s		
TAP	Felt I=III J Lanyu, Chengkung, Shoushan, Kaohsiung, Tainan, II Tawu, Hsinchu							
NEIC	Mw5.0(HRV).							
BJI	Ms4.7							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c11; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.42; $M_{\theta\theta}$1.52±.63; $M_{\phi\phi}$−3.65±.72; $M_{r\theta}$−0.63±.98; $M_{r\phi}$−0.61±1.26; $M_{\theta\phi}$−2.03±.58. Principal Axes: T 2.62,Plg45°,Azm192°; N 1.83,Plg44°,Azm26°; P −4.45,Plg7°,Azm289°. Best double couple: $M_0$3.5×10^{16}Nm, NP1: ϕ_S341°,δ54°,λ31°. NP2:ϕ_S232°,δ66°,λ140°.							
TAP	**V**	**03 21 30 23.8**	**24.15N**	**122.73E**	**45**	**3.0L**		**180-0**
								¶97v0502
TAP	**V**	**04 13 58 11.8**	**22.70N**	**121.60E**	**13**	**3.0L**		**180-0**
								¶97v0650
TAP	**V**	**04 17 15 43.7**	**22.62N**	**121.21E**	**21**	**3.7L**		**180-0**
								¶97v0668
TAP	**V**	**05 11 47 35.1**	**24.81N**	**122.31E**	**103**	**3.6L**		**180-0**
								¶97v0776
TAP	**V**	**05 13 10 35.3**	**21.60N**	**121.10E**	**12**	**3.3L**		**180-0**
								¶97v0786
ISC	**V**	**06 05 25 06**±13	**24.3N**±.10	**122.2E**±.97	**3**±43	3.0L		**7 0-1**
TAP	V	06 05 25 06.1	24.36N	122.10E	9	3.0L		¶97v0913
TAP	Felt I=II J							
JMA	**V**	**08 04 03 05.4**±.5	**25.65N**±.07	**122.41E**±.05	**225**			¶97v1177
TAP	**V**	**08 06 23 14.7**	**24.56N**	**122.69E**	**107**	**3.0L**		**180-0**
								¶97v1191
BJI	**V**	**08 17 37 04.9**	**22.94N**	**121.31E**	**7**	**3.9L**		¶97v1284
TAP	**V**	**08 18 23 21.1**	**25.01N**	**122.36E**	**136**	**3.2L**		**180-0**
								¶97v1293
TAP	**V**	**09 08 38 19.2**	**21.80N**	**121.68E**	**144**	**3.4L**		**180-0**
								¶97v1390
ISC	**V**	**10 16 42 10**±1.0	**24.1N**±.13	**122.40E**±.092	**55**±37			**10 1-7**
TAP	V	10 16 42 10.0	24.22N	122.47E	30	4.2L		¶97v1629
JMA	V	10 16 42 11.8±.3	24.39N±.05	122.52E±.02	54	3.6		
BJI	V	10 16 42 23.6	24.14N	121.12E	5	3.2L		
ISC	**V**	**10 17 44 14**±1.0	**22.02N**±.047	**121.38E**±.076	**15**±9.8			**19 0-4**
TAP	V	10 17 44 13.1	22.04N	121.36E	7	3.8L		¶97v1636
TAP	Felt I=II J Lanyu							
TAP	**V**	**11 19 06 21.1**	**23.00N**	**122.90E**	**35**	**3.0L**		**180-0**
								¶97v1830
JMA	**V**	**13 06 20 15.1**±.6	**23.56N**±.04	**122.39E**±.04	**57**	**3.2**		¶97v2161
TAP	V	13 06 20 13.6	23.55N	122.20E	11	3.6L		
TAP	**V**	**13 10 29 38.4**	**24.64N**	**122.52E**	**88**	**3.0L**		**180-0**
								¶97v2226
ISC	**V**	**14 01 11 16**±5.2	**24.32N**±.086	**122.2E**±.33	**11**±20			**11 0-2**
TAP	V	14 01 11 19.6	24.41N	121.90E	20	3.4L		¶97v2362
TAP	Felt I=III J							
TAP	**V**	**14 03 39 58.7**	**24.43N**	**122.07E**	**61**	**3.2L**		**180-0**
								¶97v2382
TAP	**V**	**14 20 18 50.1**	**24.86N**	**122.50E**	**2**	**3.3L**		**180-0**
								¶97v2505
TAP	**V**	**15 00 53 01.8**	**22.79N**	**121.40E**	**28**	**3.3L**		**180-0**
								¶97v2532
JMA	**V**	**15 15 21 20.6**±.2	**24.21N**±.05	**122.95E**±.01	**71**±2			¶97v2637
ISC	**V**	**16 03 02 00**±15	**23.9N**±.67	**122.8E**±.82	**12**			**4 1-1**
JMA	V	16 03 02 01.5±.3	23.95N±.01	122.84E±.02	12	3.0		¶97v2718
ISC	Poorly determined							
ISC	**V**	**16 06 14 56.4**±.27	**24.60N**±.040	**122.69E**±.036	**107**±3.3	**4.0b**		**68 0-94**
NEIC	V	16 06 14 56.3	24.58N	122.26E	111	4.5b		¶97v2731
JMA	V	16 06 14 57.5±.5	24.82N±.04	122.74E±.04	90			
TAP	V	16 06 14 57.8	24.53N	122.72E	82	5.1L		
EIDC	V	16 06 14 58.3	24.6N	122.4E	120	3.7b		
BJI	V	16 06 15 00.3	24.91N	122.50E	121	4.3b		
NEIC	Less reliable solution.							
TAP	Felt I=III J, I Ilan, Neicheng, Hwalien							
ISC	**V**	**16 11 24 15.6**±.73	**24.59N**±.048	**122.09E**±.043	**4**±7.8			**25 0-3**
TAP	V	16 11 24 16.4	24.58N	121.95E	10	4.2L		¶97v2766
JMA	V	16 11 24 17.0±.4	24.11N±.04	122.11E±.03	33	3.6		
TAP	Felt I=IV J, II Suao, Neicheng, I Ilan							
TAP	**V**	**16 18 55 11.6**	**22.53N**	**121.43E**	**34**	**3.0L**		**180-0**
								¶97v2826
TAP	**V**	**17 09 00 25.4**	**24.50N**	**122.12E**	**67**	**3.1L**		**180-0**
								¶97v2904
TAP	**V**	**17 10 53 22.1**	**22.66N**	**121.33E**	**72**	**3.0L**		**180-0**
								¶97v2916
TAP	**V**	**17 20 52 16.2**	**24.30N**	**122.12E**	**12**	**3.6L**		**180-0**
								¶97v2987
TAP	**V**	**18 09 35 47.1**	**22.83N**	**121.39E**	**30**	**3.0L**		**200-0**
								¶97v3058
ISC	**V**	**18 12 30 18**±2.5	**24.34N**±.069	**122.0E**±.20	**7**±11			**11 0-1**
TAP	V	18 12 30 18.8	24.41N	121.89E	12	2.8L		¶97v3081
TAP	Felt I=III J							
TAP	**V**	**18 13 46 49.9**	**23.99N**	**122.34E**	**10**	**3.1L**		**180-0**
								¶97v3097
ISC	**V**	**18 18 09 21**±4.4	**25.0N**±.55	**123.0E**±.30	**125**			**5 1-2**
TAP	V	18 18 09 20.2	24.78N	122.91E	144	3.3L		¶97v3129
JMA	V	18 18 09 21.5±.3	24.99N±.04	122.96E±.02	125			
TAP	**V**	**19 03 44 54.2**	**24.36N**	**119.75E**	**17**	**3.2L**		**180-0**
								¶97v3188
TAP	**V**	**19 08 43 49.1**	**24.01N**	**122.40E**	**9**	**3.0L**		**180-0**
								¶97v3227
TAP	**V**	**19 21 13 56.3**	**24.59N**	**122.65E**	**80**	**3.0L**		**200-0**
								¶97v3304
JMA	**V**	**20 00 20 32.2**±.4	**25.06N**±.02	**122.43E**±.03	**9**	**3.0**		¶97v3327
TAP	V	20 00 20 30.8	24.30N	122.10E	5	3.5L		
ISC	**V**	**20 01 08 16**±3.9	**24.7N**±.45	**122.8E**±.30	**89**			**5 0-2**
TAP	V	20 01 08 15.1	24.52N	122.82E	80	3.4L		¶97v3335
JMA	V	20 01 08 16.1±.4	24.72N±.05	122.82E±.02	89±4			
ISC	**V**	**20 16 23 23.7**±.94	**24.82N**±.058	**122.01E**±.053	**5**±9.6			**22 0-2**
TAP	V	20 16 23 23.4	24.81N	121.96E	7	3.8L		¶97v3432
JMA	V	20 16 23 24.0±.3	25.10N±.02	122.09E±.03	23	3.3		
TAP	Felt I=II J							
ISC	**V**	**20 22 42 14.2**±.83	**23.99N**±.051	**122.52E**±.075	**39**±9.8	**4.1b,3.5s**		**34 1-84**
TAP	V	20 22 42 12.6	23.91N	122.43E	4	4.5L		¶97v3472
JMA	V	20 22 42 14.2±.6	24.13N±.04	122.46E±.04	50	4.1		
NEIC	V	20 22 42 22.8	24.01N	122.48E	120	4.2b		
EIDC	V	20 22 42 24.1	24.0N	122.4E	117	3.7b,3.3s		
BJI	V	20 22 42 26.4	24.82N	122.52E	120	4.6b		
TAP	**V**	**20 23 00 03.7**	**23.90N**	**122.44E**	**14**	**3.1L**		**1-1**
								¶97v3476
TAP	**V**	**21 21 36 06.7**	**24.85N**	**122.62E**	**15**	**3.0L**		**180-0**
								¶97v3609
TAP	**V**	**22 17 36 09.5**	**24.53N**	**122.67E**	**84**	**3.0L**		**180-0**
								¶97v3808
JMA	**V**	**22 21 35 55.9**±.2	**24.66N**±.07	**122.95E**±.02	**138**			¶97v3836
ISC	**V**	**23 09 44 45**±2.8	**24.4N**±.41	**122.9E**±.26	**53**			**5 0-2**
JMA	V	23 09 44 45.6±.2	24.42N±.05	122.91E±.02	53	3.1		¶97v3930
ISC	**V**	**23 10 41 18.3**±.37	**21.04N**±.032	**122.12E**±.053	**169**±3.4	**4.5b**		**105 1-121**
BJI	V	23 10 41 19.4	21.15N	122.10E	171	4.5b		¶97v3937
MOS	V	23 10 41 19.8	21.0N	122.0E	186	4.8b		
TAP	V	23 10 41 20.1	21.21N	122.04E	169	5.5L		
EIDC	V	23 10 41 20.8	21.0N	122.2E	181	4.1b		
NEIC	V	23 10 41 21.3	20.99N	122.17E	200	4.7b		
TAP	Felt I=II J Tainan, I Chiayi							
TAP	**V**	**23 10 56 54.1**	**21.90N**	**119.79E**	**29**	**3.1L**		**180-0**
								¶97v3939
ISC	**V**	**23 11 00 08**±3.6	**24.0N**±.35	**122.8E**±.23	**46**	3.6b		**6 0-83**
JMA	V	23 11 00 07.9±.6	24.10N±.04	122.87E±.03	46	3.5		¶97v3942
TAP	**V**	**24 00 41 13.4**	**22.02N**	**121.22E**	**16**	**3.1L**		**180-0**
								¶97v4027
JMA	**V**	**24 04 05 43.8**±.2	**23.25N**±.01	**122.97E**±.01	**67**			¶97v4045
TAP	V	24 04 05 43.1	23.18N	122.77E	33	3.7L		
ISC	**V**	**24 06 23 21**±1.2	**24.07N**±.078	**122.5E**±.10	**52**±12	**4.0b**		**32 1-84**
TAP	V	24 06 23 18.4	23.91N	122.41E	3	4.5L		¶97v4065
JMA	V	24 06 23 20.0±.5	24.16N±.04	122.45E±.04	54	4.1		
NEIC	V	24 06 23 26.1	24.09N	122.72E	100	4.1b		
EIDC	V	24 06 23 28.9	24.1N	122.7E	110	3.6b		
BJI	V	24 06 23 33.5	24.99N	122.24E	100	4.6b		
NEIC	Less reliable solution.							
TAP	**V**	**24 07 42 49.0**	**24.26N**	**122.45E**	**32**	**3.6L**		**180-0**
								¶97v4077
TAP	**V**	**24 07 59 16.0**	**22.82N**	**121.56E**	**11**	**3.3L**		**180-0**
								¶97v4080
TAP	**V**	**24 08 12 28.8**	**22.67N**	**121.40E**	**23**	**3.1L**		**180-0**
								¶97v4083
TAP	**V**	**25 05 05 37.6**	**22.85N**	**121.50E**	**14**	**3.0L**		**180-0**
								¶97v4220
ISC	**V**	**25 17 03 06**±6.5	**24.7N**±.71	**122.4E**±.52	**107**			**5 1-2**
TAP	V	25 17 03 05.0	24.79N	122.38E	108	3.9L		¶97v4301
JMA	V	25 17 03 06.1±.3	24.82N±.05	122.44E±.03	107			
TAP	**V**	**25 23 22 16.8**	**22.19N**	**119.91E**	**39**	**3.1L**		**180-0**
								¶97v4333

TAP	**V**	**26 17 53 27.2**	**24.10N**	**122.20E**	**15**	**3.1L**	**180-0**	
								¶97v4447
JMA	**V**	**27 08 54 38.2**±.3	**24.17N**±.04	**122.51E**±.03	**44**±4	**3.3**		**¶97v4542**
TAP	V	27 08 54 38.0	24.06N	122.64E	12	3.6L		
TAP	**V**	**28 12 26 40.5**	**21.70N**	**120.16E**	**62**	**3.5L**	**2-2**	
								¶97v4718
TAP	**V**	**28 12 57 59.5**	**24.31N**	**122.13E**	**18**	**3.1L**	**180-0**	
								¶97v4721
ISC	**V**	**28 14 10 54**±1.7	**24.51N**±.051	**122.2E**±.15	**9**		**20**	**0-3**
TAP	V	28 14 10 55.6	24.52N	121.93E	9	3.7L		**¶97v4734**
TAP	Felt I=IV J, III Suao, I Ilan, Neicheng							
TAP	**V**	**28 18 36 05.3**	**22.18N**	**121.31E**	**23**	**3.3L**	**180-0**	
								¶97v4760
TAP	**V**	**29 00 29 49.8**	**22.39N**	**121.02E**	**43**	**3.2L**	**180-0**	
								¶97v4791
TAP	**V**	**29 11 42 27.2**	**24.58N**	**122.05E**	**66**	**3.1L**	**180-0**	
								¶97v4865
TAP	**V**	**30 09 22 20.7**	**21.80N**	**121.49E**	**12**	**3.0L**	**180-0**	
								¶97v5011
TAP	**V**	**30 14 23 21.0**	**25.06N**	**122.26E**	**9**	**3.2L**	**180-0**	
								¶97v5047
JMA	**V**	**30 14 58 03.8**±.6	**23.82N**±.03	**122.19E**±.04	**16**	**2.9**		**¶97v5052**
TAP	V	30 14 58 04.3	23.92N	122.25E	9	3.3L		
ISC	**V**	**30 16 33 16**±6.3	**24.8N**±.72	**122.4E**±.48	**112**		**5**	**1-2**
TAP	V	30 16 33 14.4	24.90N	122.30E	119	3.5L		**¶97v5062**
JMA	V	30 16 33 14.8±.4	24.97N±.05	122.32E±.04	112			
TAP	**V**	**30 18 02 07.9**	**22.72N**	**121.37E**	**33**	**3.1L**	**180-0**	
								¶97v5073
TAP	**V**	**31 03 44 19.4**	**22.42N**	**121.55E**	**110**	**3.0L**	**180-0**	
								¶97v5146
TAP	**V**	**31 08 38 27.6**	**22.77N**	**121.00E**	**3**	**3.2L**	**180-0**	
								¶97v5172
TAP	**V**	**31 10 54 54.2**	**21.77N**	**121.45E**	**19**	**3.1L**	**180-0**	
								¶97v5181
JMA	**V**	**31 23 39 40.2**±.2	**25.07N**±.01	**122.56E**±.01	**0**	**2.8**		**¶97v5257**
JMA	**VI**	**01 01 23 28.7**±.2	**24.74N**±.03	**122.86E**±.02	**77**			**¶97vi0009**
TAP	**VI**	**01 11 30 48.6**	**24.98N**	**119.68E**	**39**	**3.2L**	**180-0**	
								¶97vi0071
JMA	**VI**	**01 14 27 11.6**±.2	**25.19N**±.02	**122.50E**±.01	**82**			**¶97vi0099**
TAP	VI	01 14 27 11.7	24.77N	122.36E	109	3.1L		
TAP	**VI**	**02 12 59 52.5**	**22.92N**	**121.56E**	**11**	**3.0L**	**180-0**	
								¶97vi0242
TAP	**VI**	**04 08 35 34.6**	**21.97N**	**121.32E**	**3**	**3.1L**	**180-0**	
								¶97vi0585
BJI	**VI**	**04 12 39 04.7**	**23.09N**	**118.56E**	**11**	**3.8L,3.7s**		**¶97vi0614**
ISC	**VI**	**05 13 44 39**±11	**24.0N**±.56	**123.0E**±.50	**4**±24		**5**	**0-2**
JMA	VI	05 13 44 38.7±.3	23.96N±.02	122.84E±.02	15±4	3.5		**¶97vi0781**
TAP	VI	05 13 44 39.0	23.97N	122.73E	6	3.4L		
ISC	Poorly determined							
TAP	**VI**	**05 13 46 21.2**	**21.71N**	**119.89E**	**61**	**3.5L**	**180-0**	
								¶97vi0782
ISC	**VI**	**05 20 14 32**±1.6	**24.53N**±.049	**122.0E**±.14	**8**		**13**	**0-2**
TAP	VI	05 20 14 32.1	24.53N	121.97E	8	3.2L		**¶97vi0824**
TAP	Felt I=III J							
ISC	**VI**	**05 22 15 32**±4.5	**24.9N**±.55	**123.0E**±.31	**118**		**5**	**0-2**
JMA	VI	05 22 15 32.3±.3	24.93N±.05	122.96E±.02	118±4			**¶97vi0836**
TAP	**VI**	**06 07 50 47.8**	**24.84N**	**122.05E**	**96**	**3.9L**	**180-0**	
								¶97vi0905
TAP	**VI**	**06 15 19 43.8**	**24.79N**	**122.00E**	**3**	**3.1L**	**180-0**	
								¶97vi0947
ISC	**VI**	**06 15 33 06.3**±.79	**24.81N**±.053	**122.06E**±.047	**9**±6.3	**3.9b**	**25**	**0-59**
TAP	VI	06 15 33 06.3	24.79N	122.01E	5	3.8L		**¶97vi0949**
JMA	VI	06 15 33 07.6±.3	25.11N±.03	122.20E±.02	28	3.5		
EIDC	VI	06 15 33 08.2	24.8N	123.8E	0	3.8b		
TAP	Felt I=II J							
TAP	**VI**	**06 15 33 20.0**	**24.79N**	**122.00E**	**5**	**3.9L**	**180-0**	
								¶97vi0950
ISC	**VI**	**06 16 33 02.6**±.74	**24.8N**±.16	**122.05E**±.076	**5**	**3.6b**	**11**	**1-50**
BJI	VI	06 16 33 01.6	24.92N	122.32E	11	3.7L,4.4b		**¶97vi0959**
TAP	VI	06 16 33 02.8	24.78N	122.09E	5	3.9L		
JMA	VI	06 16 33 04.0±.2	25.08N±.02	122.15E±.02	33	3.7		
EIDC	VI	06 16 33 07.0	24.2N	121.9E	0	3.5b		
BJI	Ms3.8							
JMA	**VI**	**06 18 05 56.1**±.4	**24.94N**±.04	**122.18E**±.03	**40**	**3.1**		**¶97vi0969**
TAP	VI	06 18 05 55.1	24.80N	122.04E	3	3.2L		
JMA	**VI**	**07 00 57 45.4**±.5	**24.31N**±.06	**122.10E**±.03	**60**	**3.3**		**¶97vi1021**
TAP	VI	07 00 57 47.0	24.04N	122.23E	12	3.5L		
ISC	**VI**	**07 02 02 24.8**±.94	**22.59N**±.042	**121.14E**±.073	**11**±7.0		**21**	**0-3**
TAP	VI	07 02 02 25.0	22.61N	121.07E	20	4.2L		**¶97vi1027**
TAP	Felt I=II J Taitung							
JMA	**VI**	**07 05 21 42.9**±.9	**25.13N**±.04	**122.40E**±.06	**0**	**3.0**		**¶97vi1047**
TAP	VI	07 05 21 43.4	24.40N	122.01E	27	3.7L		
TAP	**VI**	**07 07 09 34.0**	**24.81N**	**122.01E**	**4**	**3.0L**	**180-0**	
								¶97vi1059
TAP	**VI**	**08 03 50 37.3**	**22.09N**	**121.32E**	**11**	**3.1L**	**180-0**	
								¶97vi1175
ISC	**VI**	**08 07 27 10**±1.5	**24.43N**±.056	**122.15E**±.044	**13**±13		**21**	**0-2**
TAP	VI	08 07 27 11.2	24.44N	122.02E	12	3.9L		**¶97vi1196**
JMA	VI	08 07 27 11.4±.5	24.65N±.06	122.20E±.04	51	3.6		
TAP	Felt I=III J							
JMA	**VI**	**08 16 47 36.5**±.3	**23.02N**±.02	**122.14E**±.02	**57**	**3.3**		**¶97vi1265**
TAP	VI	08 16 47 34.1	23.02N	122.05E	8	3.8L		
ISC	**VI**	**09 07 48 31**±2.2	**24.41N**±.059	**122.0E**±.19	**11**±10		**13**	**0-2**
TAP	VI	09 07 48 31.8	24.46N	121.86E	16	3.5L		**¶97vi1356**
TAP	Felt I=II J							
ISC	**VI**	**10 14 04 38**±1.1	**21.73N**±.052	**121.07E**±.077	**20**±8.3	**3.9b**,3.7s	**35**	**0-85**
TAP	VI	10 14 04 38.8	21.81N	121.03E	12	4.2L		**¶97vi1531**
NEIC	VI	10 14 04 39.5	21.71N	121.09E	33			
BJI	VI	10 14 04 40.2	21.49N	120.84E	39	4.0L,4.2b		
EIDC	VI	10 14 04 47.1	21.8N	121.1E	92	3.5b,3.9L		
TAP	Felt I=II J Henchung							
BJI	Ms4.2							
TAP	**VI**	**10 14 07 38.4**	**21.87N**	**121.10E**	**6**	**3.2L**	**180-0**	
								¶97vi1532
TAP	**VI**	**11 04 43 02.7**	**21.17N**	**121.75E**	**146**	**4.2L**	**1-3**	
								¶97vi1616
TAP	**VI**	**11 05 52 01.0**	**22.56N**	**121.38E**	**33**	**3.4L**	**180-0**	
								¶97vi1624
TAP	**VI**	**11 09 10 43.2**	**21.77N**	**121.29E**	**13**	**3.5L**	**180-0**	
								¶97vi1652
JMA	**VI**	**11 09 41 44.0**±.6	**24.63N**±.07	**122.27E**±.05	**47**	**3.5**		**¶97vi1659**
TAP	VI	11 09 41 43.0	24.14N	122.20E	22	3.8L		
TAP	**VI**	**11 20 21 03.6**	**22.43N**	**121.73E**	**16**	**3.2L**	**180-0**	
								¶97vi1745
TAP	**VI**	**11 21 26 14.4**	**24.90N**	**122.45E**	**132**	**3.3L**	**180-0**	
								¶97vi1755
JMA	**VI**	**12 11 47 40.7**±.3	**25.31N**±.05	**122.40E**±.04	**187**			**¶97vi1837**
TAP	VI	12 11 47 38.1	25.43N	122.19E	208	3.5L		
JMA	**VI**	**12 20 02 36.3**±.3	**25.08N**±.04	**122.53E**±.03	**123**			**¶97vi1893**
TAP	VI	12 20 02 34.0	24.93N	122.45E	146	3.4L		
TAP	**VI**	**13 00 40 46.0**	**22.94N**	**121.07E**	**6**	**3.6L**	**180-0**	
								¶97vi1913
ISC	**VI**	**13 01 34 45**±2.9	**24.6N**±.48	**122.9E**±.26	**87**		**5**	**0-2**
JMA	VI	13 01 34 44.5±.3	24.63N±.04	122.85E±.02	87±3			**¶97vi1919**
TAP	**VI**	**13 09 53 43.2**	**24.88N**	**122.30E**	**110**	**3.3L**	**180-0**	
								¶97vi1968
ISC	**VI**	**13 11 24 38**±8.1	**24.7N**±.72	**122.4E**±.63	**93**		**5**	**1-2**
TAP	VI	13 11 24 36.5	24.72N	122.36E	95	3.8L		**¶97vi1978**
JMA	VI	13 11 24 37.8±.3	24.79N±.05	122.44E±.03	93			
TAP	**VI**	**13 17 48 37.4**	**22.02N**	**121.76E**	**13**	**3.1L**	**180-0**	
								¶97vi2020
TAP	**VI**	**14 06 42 43.5**	**21.27N**	**119.97E**	**17**	**3.2L**	**180-0**	
								¶97vi2095
TAP	**VI**	**15 17 38 18.7**	**24.40N**	**122.41E**	**12**	**3.0L**	**180-0**	
								¶97vi2336
TAP	**VI**	**16 02 34 05.4**	**24.66N**	**122.01E**	**67**	**3.0L**	**180-0**	
								¶97vi2391
TAP	**VI**	**16 03 37 59.1**	**22.78N**	**121.52E**	**15**	**3.3L**	**180-0**	
								¶97vi2400
JMA	**VI**	**16 05 48 06.7**±.3	**25.10N**±.03	**122.27E**±.02	**53**	**2.8**		**¶97vi2409**
TAP	VI	16 05 48 06.9	24.77N	122.06E	64	3.2L		
ISC	**VI**	**16 09 22 28.0**±.48	**24.34N**±.048	**122.03E**±.047	**31**		**20**	**0-2**
TAP	VI	16 09 22 27.3	24.34N	121.96E	12	3.4L		**¶97vi2435**
JMA	VI	16 09 22 27.6±.8	24.91N±.07	122.18E±.06	31	3.0		
TAP	Felt I=III J							
ISC	**VI**	**16 20 35 51**±1.1	**24.9N**±.15	**122.5E**±.16	**117**	**3.7b**	**9**	**1-66**
EIDC	VI	16 20 35 35.7	24.1N	122.6E	0	3.8b,3.9L		**¶97vi2511**
TAP	VI	16 20 35 44.4	24.95N	122.00E	137	4.1L		
JMA	VI	16 20 35 45.9±.4	25.13N±.05	122.12E±.03	117			
JMA	**VI**	**17 10 26 46.8**±.3	**23.69N**±.02	**122.22E**±.02	**31**	**2.8**		**¶97vi2598**
TAP	VI	17 10 26 47.3	23.69N	122.38E	6	3.1L		
TAP	**VI**	**18 03 45 43.6**	**24.40N**	**122.36E**	**11**	**3.3L**	**180-0**	
								¶97vi2721
TAP	**VI**	**18 22 01 00.8**	**21.72N**	**121.43E**	**15**	**3.1L**	**180-0**	
								¶97vi2833
JMA	**VI**	**19 10 31 44.7**±.4	**23.94N**±.04	**122.93E**±.02	**68**			**¶97vi2899**
TAP	**VI**	**19 11 12 31.3**	**21.13N**	**121.49E**	**31**	**3.0L**	**180-0**	
								¶97vi2907
ISC	**VI**	**22 09 36 03.7**±.57	**21.96N**±.023	**121.46E**±.037	**24**±4.0	**4.9b,4.8s**	**216**	**0-123**
HRVD	VI	22 09 36 03.8±.7	21.83N±.09	121.64E±.10	46±6.7			**¶97vi3364**
TAP	VI	22 09 36 04.1	22.17N	121.38E	2	5.4L		
BJI	VI	22 09 36 04.3	22.06N	121.48E	28	4.9L,4.8b		
NEIC	VI	22 09 36 04.4	21.94N	121.50E	33	5.2b,4.9s		
MOS	VI	22 09 36 05.2	21.9N	121.3E	33	5.3b,4.7s		
EIDC	VI	22 09 36 06.8	21.9N	121.5E	36	4.4b,4.2s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}3.55±.45; $M_{\theta\theta}$2.69±.61; $M_{\phi\phi}$−6.24±.80; $M_{r\theta}$−4.31±.79; $M_{r\phi}$0.76±.91; $M_{\theta\phi}$−3.09±.47. Principal Axes: T 7.95,Plg45°,Azm196°; N −0.71,Plg45°,Azm22°; P −7.24,Plg3°,Azm289°. Best double couple: $M_0$7.6×10^{16}Nm, NP1: ϕ_s342°,δ57°,λ33°. NP2:ϕ_s233°,δ63°,λ143°.

TAP	Felt I=IV J Lanyu, III Kaohsiung, II Hsinchu, I Taitung, Shoushan, Alishan, Chiayi							
BJI	Ms4.8							
NEIC	Mw5.2(HRV).							
JMA	**VI**	**23 04 19 31.3**±.1	**23.21N**±.01	**122.11E**±.01	**72**			**¶97vi3482**
TAP	VI	23 04 19 29.6	23.24N	121.96E	12	4.1L		
TAP	**VI**	**23 18 02 28.1**	**22.93N**	**119.47E**	**20**	**3.2L**	**180-0**	
								¶97vi3571
JMA	**VI**	**24 10 55 44.3**±.2	**24.83N**±.03	**122.49E**±.02	**89**±2			**¶97vi3699**
TAP	VI	24 10 55 44.7	24.67N	122.41E	81	3.3L		
JMA	**VI**	**25 00 22 18.0**±.3	**23.42N**±.02	**122.17E**±.02	**78**			**¶97vi3809**
TAP	VI	25 00 22 16.5	23.36N	121.96E	18	3.7L		
ISC	**VI**	**25 14 36 43**±3.5	**24.33N**±.082	**122.0E**±.27	**11**±11		**14**	**0-2**
TAP	VI	25 14 36 43.4	24.38N	121.97E	12	3.5L		**¶97vi3960**
TAP	Felt I=II J							
ISC	**VI**	**27 02 17 07**±1.1	**21.89N**±.073	**121.44E**±.087	**22**±8.8		**16**	**0-3**
TAP	VI	27 02 17 07.2	21.86N	121.35E	16	4.0L		**¶97vi4224**
TAP	Felt I=II J Lanyu							
TAP	**VI**	**27 15 39 44.0**	**24.62N**	**122.37E**	**86**	**3.0L**	**180-0**	
								¶97vi4316
TAP	**VI**	**27 15 49 58.9**	**21.66N**	**121.69E**	**50**	**3.2L**	**180-0**	
								¶97vi4319
ISC	**VI**	**27 15 53 28**±1.0	**21.78N**±.028	**121.50E**±.035	**6**±6.5	**4.5b,4.1s**	**125**	**0-120**
TAP	VI	27 15 53 27.5	21.84N	121.58E	5	4.6L		**¶97vi4320**
MOS	VI	27 15 53 31.9	21.8N	121.7E	41	5.0b,4.2s		
NEIC	VI	27 15 53 32.1	21.74N	121.56E	44	4.6b		
BJI	VI	27 15 53 32.2	21.84N	121.52E	36	3.9L,4.5b		
EIDC	VI	27 15 53 33.2	21.8N	121.5E	35	4.2b,4.0s		
TAP	Felt I=IV J Lanyu							
BJI	Ms4.3							
TAP	**VI**	**27 17 17 23.7**	**21.90N**	**121.57E**	**5**	**3.0L**	**180-0**	
								¶97vi4334
ISC	**VI**	**27 17 20 56**±3.0	**21.88N**±.089	**121.7E**±.18	**3**±19		**8**	**0-2**
TAP	VI	27 17 20 56.3	21.91N	121.71E	3	3.3L		**¶97vi4336**
TAP	Felt I=II J Lanyu							
TAP	**VI**	**27 18 20 06.7**	**21.81N**	**121.61E**	**7**	**3.0L**	**180-0**	
								¶97vi4345
TAP	**VI**	**27 19 08 11.7**	**21.78N**	**121.40E**	**58**	**3.1L**	**180-0**	
								¶97vi4353
TAP	**VI**	**27 19 10 48.6**	**21.45N**	**120.14E**	**69**	**3.5L**	**2-2**	
								¶97vi4355
TAP	**VI**	**28 08 46 31.0**	**21.23N**	**122.05E**	**10**	**3.3L**	**1-1**	
								¶97vi4452
TAP	**VI**	**29 07 42 55.3**	**24.31N**	**122.08E**	**13**	**3.0L**	**180-0**	
								¶97vi4587
ISC	**VI**	**29 19 13 30**±2.2	**24.6N**±.42	**122.9E**±.23	**85**		**5**	**0-2**
TAP	VI	29 19 13 29.3	24.39N	122.92E	43	3.0L		**¶97vi4652**
JMA	VI	29 19 13 29.6±.2	24.53N±.03	122.94E±.01	85±2			
JMA	**VI**	**29 22 38 13.5**±.4	**24.11N**±.05	**122.06E**±.03	**61**			**¶97vi4675**
TAP	VI	29 22 38 12.3	24.03N	121.98E	15	3.3L		
TAP	**VI**	**30 01 50 03.7**	**24.39N**	**122.01E**	**21**	**3.3L**	**180-0**	
								¶97vi4697

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
TAP	**VI**	**30 12 05 21.3**	**24.38N**	**122.01E**	**15**	**3.2L**		**180-0**
								¶97vi4758
TAP	**VI**	**30 14 11 44.4**	**22.15N**	**121.40E**	**73**	**3.5L**		**2-2**
								¶97vi4771

(244) Taiwan.

ISC	**I**	**01 15 26 29**±2.1	**24.4N**±.10	**121.8E**±.32	**11**		**4**	**0-1**
TAP	I	01 15 26 28.2	24.38N	121.79E	11	2.2L		¶97i0085
ISC	Poorly determined							
TAP	Felt I=II J							
ISC	**I**	**02 06 31 43.8**±.49	**22.34N**±.037	**120.99E**±.052	**34**±5.2	**4.1b**,3.9s	**55**	**0-113**
TAP	I	02 06 31 42.4	22.42N	121.09E	20	4.7L		¶97i0166
NEIC	I	02 06 31 43.7	22.37N	121.13E	33	4.5b		
BJI	I	02 06 31 44.8	22.61N	120.63E	5	4.3L,4.2b		
EIDC	I	02 06 31 49.1	22.5N	121.2E	71	3.8b		
TAP	Felt I=V J Tawu							
BJI	Ms4.2							
TAP	**I**	**02 06 49 42.0**	**24.42N**	**121.67E**	**13**	**2.4L**		¶97i0168
TAP	Felt I=III J							
ISC	**I**	**02 08 49 47**±1.3	**23.05N**±.048	**121.4E**±.10	**6**±11		**12**	**0-2**
TAP	I	02 08 49 47.1	23.06N	121.34E	18	3.4L		¶97i0180
TAP	Felt I=II J Chengkung							
ISC	**I**	**02 14 00 01**±1.2	**23.69N**±.070	**121.6E**±.12	**19**		**14**	**0-1**
TAP	I	02 14 00 00.9	23.80N	121.43E	19	3.3L		¶97i0220
TAP	Felt I=III J							
TAP	**I**	**03 03 46 19.5**	**24.79N**	**121.94E**	**7**	**3.9L**		**1-1**
								¶97i0310
ISC	**I**	**03 07 12 07**±1.0	**24.29N**±.047	**121.88E**±.089	**5**±11		**13**	**0-1**
TAP	I	03 07 12 06.8	24.28N	121.86E	13	3.3L		¶97i0340
TAP	Felt I=III J							
TAP	**I**	**03 17 46 04.2**	**23.42N**	**121.59E**	**26**	**3.7L**		**180-0**
								¶97i0408
TAP	**I**	**03 18 06 45.4**	**23.53N**	**121.58E**	**36**	**3.0L**		**180-0**
								¶97i0412
ISC	**I**	**03 20 03 57**±2.6	**24.3N**±.14	**121.7E**±.30	**9**		**4**	**0-1**
TAP	I	03 20 03 57.0	24.34N	121.77E	9	2.3L		¶97i0420
ISC	Poorly determined							
TAP	Felt I=III J							
TAP	**I**	**03 23 31 59.6**	**22.20N**	**120.03E**	**33**	**3.0L**		**180-0**
								¶97i0447
TAP	**I**	**04 01 01 11.6**	**24.76N**	**120.66E**	**4**	**3.1L**		**180-0**
								¶97i0454
TAP	**I**	**04 19 28 26.4**	**23.78N**	**121.45E**	**13**	**3.2L**		**180-0**
								¶97i0577
TAP	**I**	**05 10 03 54.1**	**25.25N**	**121.65E**	**187**	**3.4L**		**180-0**
								¶97i0653
TAP	**I**	**05 23 14 37.5**	**23.06N**	**121.37E**	**19**	**3.4L**		**180-0**
								¶97i0719
TAP	**I**	**05 23 25 53.2**	**23.09N**	**121.03E**	**3**	**3.2L**		**180-0**
								¶97i0721
TAP	**I**	**06 16 37 01.5**	**23.60N**	**121.63E**	**28**	**4.0L**		**180-0**
								¶97i0808
TAP	**I**	**06 19 11 50.5**	**23.87N**	**121.85E**	**38**	**3.1L**		**180-0**
								¶97i0827
TAP	**I**	**06 21 01 34.8**	**23.50N**	**121.67E**	**29**	**3.1L**		**180-0**
								¶97i0831
TAP	**I**	**07 00 05 41.6**	**23.98N**	**121.66E**	**19**	**3.1L**		**180-0**
								¶97i0853
TAP	**I**	**07 00 50 40.0**	**23.21N**	**121.70E**	**25**	**3.3L**		**180-0**
								¶97i0862
TAP	**I**	**09 00 13 11.0**	**24.80N**	**121.94E**	**10**	**3.2L**		**180-0**
								¶97i1144
TAP	**I**	**09 00 14 10.2**	**24.79N**	**121.94E**	**12**	**3.2L**		**180-0**
								¶97i1145
TAP	**I**	**09 00 15 52.3**	**24.79N**	**121.93E**	**17**	**3.3L**		**180-0**
								¶97i1147
TAP	**I**	**09 06 00 52.3**	**23.56N**	**121.82E**	**21**	**3.7L**		**180-0**
								¶97i1176
TAP	**I**	**09 15 23 41.5**	**24.77N**	**121.80E**	**12**	**3.1L**		**180-0**
								¶97i1239
ISC	**I**	**09 17 01 00.0**±.74	**23.78N**±.059	**121.48E**±.098	**22**		**13**	**0-2**
TAP	I	09 17 00 59.5	23.76N	121.44E	22	3.6L		¶97i1249
TAP	Felt I=IV J							
ISC	**I**	**09 20 25 16.5**±.79	**23.81N**±.047	**121.76E**±.095	**59**±9.9	3.7b	**23**	**0-83**
TAP	I	09 20 25 16.4	23.80N	121.78E	41	4.4L		¶97i1273
BJI	I	09 20 25 24.2	24.59N	121.02E	5	3.7L		
TAP	Felt I=II J							
TAP	**I**	**10 13 55 18.7**	**24.55N**	**121.74E**	**69**	**3.2L**		**180-0**
								¶97i1371
TAP	**I**	**11 09 12 49.2**	**23.91N**	**121.67E**	**43**	**3.3L**		**180-0**
								¶97i1498
TAP	**I**	**11 13 51 09.6**	**24.82N**	**121.97E**	**5**	**3.0L**		**180-0**
								¶97i1532
TAP	**I**	**12 05 47 10.4**	**24.47N**	**121.86E**	**16**	**3.2L**		**180-0**
								¶97i1629
ISC	**I**	**14 14 10 45.0**±.66	**23.88N**±.048	**121.88E**±.094	**56**±8.0	**3.6b**	**27**	**0-83**
EIDC	I	14 14 10 38.8	23.9N	122.1E	0	3.6b		¶97i2003
TAP	I	14 14 10 45.5	23.88N	121.86E	35	4.3L		
BJI	I	14 14 10 45.9	24.21N	121.57E	10	3.5L		
TAP	Felt I=II J Hwalien							
TAP	**I**	**14 15 10 27.3**	**24.16N**	**121.67E**	**28**	**3.1L**		**180-0**
								¶97i2014
TAP	**I**	**15 06 01 46.3**	**24.58N**	**121.69E**	**39**	**3.2L**		**180-0**
								¶97i2107
TAP	**I**	**15 16 14 44.5**	**24.52N**	**121.93E**	**8**	**3.1L**		**180-0**
								¶97i2175
TAP	**I**	**16 09 48 07.1**	**25.09N**	**121.75E**	**136**	**3.4L**		**180-0**
								¶97i2288
TAP	**I**	**17 02 15 29.7**	**24.06N**	**121.64E**	**27**	**3.3L**		**180-0**
								¶97i2391
ISC	**I**	**17 17 52 57.8**±.99	**22.0N**±.15	**120.5E**±.23	**52**	**3.8b**	**6**	**21-71**
EIDC	I	17 17 52 53.6	22.0N	120.6E	0	3.5b		¶97i2505
TAP	I	17 17 52 54.9	22.12N	120.35E	52	4.0L		
NEIC	I	17 17 52 55.5	22.10N	120.53E	33			
NEIC	Single network solution.							
TAP	**I**	**18 21 11 42.0**	**25.35N**	**121.56E**	**163**	**3.1L**		**180-0**
								¶97i2714
TAP	**I**	**19 13 19 22.5**	**25.46N**	**121.82E**	**219**	**3.5L**		**180-0**
								¶97i2847
ISC	**I**	**20 05 52 59.9**±.62	**24.07N**±.040	**121.90E**±.086	**57**±5.1	**3.8b**	**39**	**0-83**
BJI	I	20 05 52 52.5	23.96N	122.00E	5	4.0L,4.1b		¶97i2947
NEIC	I	20 05 52 57.6	24.19N	122.31E	33	4.2b		
TAP	I	20 05 53 00.4	24.07N	121.85E	34	4.6L		
EIDC	I	20 05 53 13.0	24.1N	122.1E	161	3.4b		
BJI	Ms3.7							
NEIC	Less reliable solution.							
TAP	Felt I=III J, II Chiawan, Hwalien							
ISC	**I**	**20 22 15 40**±2.5	**24.29N**±.096	**121.8E**±.35	**9**		**5**	**0-1**
TAP	I	20 22 15 39.8	24.32N	121.76E	9	2.6L		¶97i3093
TAP	Felt I=III J							
TAP	**I**	**21 11 31 32.3**	**22.55N**	**120.62E**	**30**	**3.8L**		**180-0**
								¶97i3173
ISC	**I**	**21 16 17 01.1**±.91	**23.80N**±.056	**121.46E**±.086	**3**±9.9		**13**	**0-1**
TAP	I	21 16 17 00.3	23.82N	121.47E	14	3.2L		¶97i3203
TAP	Felt I=III J							
ISC	**I**	**22 10 49 32**±1.0	**23.78N**±.073	**121.6E**±.14	**18**±13		**12**	**0-1**
TAP	I	22 10 49 32.6	23.85N	121.42E	17	3.1L		¶97i3315
TAP	Felt I=III J							
TAP	**I**	**22 23 57 55.2**	**24.59N**	**121.77E**	**67**	**3.7L**		**1-1**
								¶97i3407
TAP	**I**	**23 10 13 01.3**	**24.41N**	**121.67E**	**48**	**3.7L**		**180-0**
								¶97i3480
TAP	**I**	**23 17 22 11.8**	**24.52N**	**121.92E**	**8**	**3.3L**		**180-0**
								¶97i3532
ISC	**I**	**24 02 23 51**±6.4	**24.43N**±.095	**121.9E**±.59	**0**±33		**7**	**0-1**
TAP	I	24 02 23 50.7	24.46N	121.90E	10	2.8L		¶97i3583
TAP	Felt I=III J							
ISC	**I**	**24 17 42 18**±1.9	**24.44N**±.075	**121.8E**±.26	**7**±17		**7**	**0-1**
TAP	I	24 17 42 17.6	24.46N	121.76E	6	2.6L		¶97i3674
TAP	Felt I=IV J							
ISC	**I**	**24 20 47 24**±1.3	**24.6N**±.12	**120.8E**±.50	**112**	**3.5b**	**5**	**14-50**
TAP	I	24 20 47 26.8	24.89N	121.98E	112	4.3L		¶97i3685
EIDC	I	24 20 47 36.2	24.9N	121.9E	209	3.0b		
ISC	**I**	**25 20 09 16**±1.2	**24.48N**±.095	**121.7E**±.19	**10**		**4**	**0-1**
TAP	I	25 20 09 14.4	24.47N	121.68E	10	2.3L		¶97i3847
ISC	Poorly determined							
TAP	Felt I=III J							
ISC	**I**	**26 10 08 49**±2.4	**24.36N**±.052	**121.9E**±.22	**4**±11		**13**	**0-1**
TAP	I	26 10 08 49.3	24.37N	121.85E	12	3.4L		¶97i3926
TAP	Felt I=IV J							
TAP	**I**	**26 18 29 54.2**	**24.66N**	**121.93E**	**211**	**3.7L**		**180-0**
								¶97i3979
ISC	**I**	**26 19 17 59.1**±.84	**24.00N**±.036	**121.81E**±.066	**32**±6.3	**4.0b**	**42**	**0-83**
NEIC	I	26 19 17 58.8	24.04N	121.88E	33	4.5b		¶97i3985
TAP	I	26 19 18 00.3	24.09N	121.63E	25	4.6L		
BJI	I	26 19 18 00.8	24.33N	121.35E	5	4.2L,4.3b		
EIDC	I	26 19 18 11.4	24.0N	121.6E	136	3.5b		
NEIC	Less reliable solution.							
TAP	Felt I=III J Hwalien, II Suao							
BJI	Ms3.6							
ISC	**I**	**26 21 33 37.9**±.87	**22.73N**±.064	**120.21E**±.086	**32**±6.5		**19**	**0-3**
BJI	I	26 21 33 35.6	22.57N	120.21E	24	3.9L		¶97i4003
TAP	I	26 21 33 37.7	22.75N	120.24E	33	4.2L		
TAP	Felt I=III J, II Kaosiung, Tainan							
TAP	**I**	**27 13 36 50.2**	**22.75N**	**120.23E**	**32**	**3.0L**		**180-0**
								¶97i4088
ISC	**I**	**28 04 09 11.8**±.80	**24.44N**±.047	**121.8E**±.11	**24**±9.4		**21**	**0-3**
BJI	I	28 04 08 38.9	20.98N	120.66E	12	4.1L		¶97i4165
TAP	I	28 04 09 11.4	24.43N	121.80E	21	4.2L		
TAP	Felt I=IV J , II Suao, Ilan							
ISC	**I**	**28 08 26 08**±1.5	**23.20N**±.056	**121.7E**±.11	**32**±13		**16**	**0-2**
TAP	I	28 08 26 08.2	23.24N	121.61E	31	3.7L		¶97i4187
TAP	Felt I=II J Chengkung							
TAP	**I**	**28 10 00 40.9**	**24.33N**	**121.97E**	**11**	**3.2L**		**180-0**
								¶97i4195
TAP	**I**	**28 19 30 10.1**	**24.35N**	**121.96E**	**14**	**3.5L**		**180-0**
								¶97i4250
TAP	**I**	**28 19 30 26.1**	**24.31N**	**121.64E**	**54**	**3.8L**		**180-0**
								¶97i4251
TAP	**I**	**28 21 12 54.0**	**24.22N**	**121.97E**	**28**	**3.5L**		**180-0**
								¶97i4260
ISC	**I**	**28 21 38 22.5**±.95	**23.09N**±.059	**120.19E**±.088	**12**±9.3		**9**	**0-1**
TAP	I	28 21 38 21.6	23.01N	120.21E	17	3.0L		¶97i4265
TAP	Felt I=II J Tainan							
TAP	**I**	**29 02 36 12.2**	**24.55N**	**121.93E**	**9**	**3.3L**		**180-0**
								¶97i4288
TAP	**I**	**29 18 21 36.4**	**23.05N**	**121.32E**	**28**	**3.3L**		**180-0**
								¶97i4385
TAP	**I**	**30 03 10 31.9**	**23.98N**	**121.67E**	**41**	**3.3L**		**180-0**
								¶97i4430
ISC	**I**	**30 22 49 28.4**±.77	**23.19N**±.038	**120.33E**±.070	**10**±7.8		**17**	**0-2**
TAP	I	30 22 49 27.4	23.22N	120.33E	19	3.6L		¶97i4556
TAP	Felt I=III J							
TAP	**I**	**31 00 12 26.4**	**23.73N**	**121.62E**	**31**	**3.8L**		**180-0**
								¶97i4570
TAP	**II**	**01 03 08 18.1**	**23.62N**	**121.00E**	**4**	**3.3L**		**200-0**
								¶97ii0014
ISC	**II**	**01 09 18 27**±3.8	**24.33N**±.079	**121.9E**±.39	**8**		**7**	**0-1**
TAP	II	01 09 18 25.6	24.34N	121.97E	8	3.1L		¶97ii0049
TAP	Felt I=II J							
ISC	**II**	**01 13 57 38**±1.7	**24.31N**±.055	**121.8E**±.24	**8**	3.3b	**13**	**0-83**
TAP	II	01 13 57 37.1	24.33N	121.76E	8	3.1L		¶97ii0078
TAP	Felt I=IV J							
ISC	**II**	**01 23 12 19.9**±.83	**23.00N**±.046	**121.47E**±.075	**16**±9.5		**22**	**0-3**
TAP	II	01 23 12 19.4	22.98N	121.43E	21	4.1L		¶97ii0140
TAP	Felt I=III J Chengkung							
ISC	**II**	**02 00 53 41.3**±.78	**24.71N**±.049	**121.76E**±.083	**2**±13		**10**	**0-1**
TAP	II	02 00 53 41.4	24.70N	121.75E	7	2.8L		¶97ii0151
TAP	Felt I=III J							
TAP	**II**	**02 15 12 10.6**	**24.42N**	**121.94E**	**20**	**3.2L**		**180-0**
								¶97ii0241
ISC	**II**	**02 17 45 45.9**±.60	**24.69N**±.043	**121.74E**±.061	**5**±7.5		**17**	**0-2**
TAP	II	02 17 45 45.2	24.69N	121.72E	9	3.6L		¶97ii0254
TAP	Felt I=III J Neicheng, Ilan, Suao							
TAP	**II**	**03 04 39 05.4**	**24.46N**	**121.73E**	**5**	**2.0L**		¶97ii0320
TAP	Felt I=IV J							
TAP	**II**	**03 07 50 36.5**	**24.54N**	**121.70E**	**72**	**3.8L**		**180-0**
								¶97ii0337

ISC	**II**	**03 12 39 39.4**±.93	**23.48N**±.084	**120.45E**±.065	**2**			**6**	**0-1**
TAP	II	03 12 39 38.0	23.41N	120.46E	2	2.9L			¶97ii0376
TAP	Felt I=II J Chiayi								
TAP	**II**	**04 01 19 45.5**	**24.38N**	**121.76E**	**10**	**2.1L**			¶97ii0441
TAP	Felt I=II J								
ISC	**II**	**04 09 43 12**±1.8	**24.21N**±.053	**122.0E**±.17	**11**			**14**	**0-2**
TAP	II	04 09 43 12.2	24.28N	121.80E	11	3.2L			¶97ii0495
TAP	Felt I=III J								
ISC	**II**	**04 11 14 53**±1.1	**24.74N**±.051	**121.8E**±.12	**10**			**12**	**0-2**
TAP	II	04 11 14 51.9	24.69N	121.72E	10	3.1L			¶97ii0510
TAP	Felt I=III J								
TAP	**II**	**04 12 43 30.7**	**24.06N**	**120.91E**	**24**	**3.0L**			**180-0**
									¶97ii0523
TAP	**II**	**04 14 40 57.6**	**25.58N**	**121.73E**	**206**	**3.5L**			**180-0**
									¶97ii0547
TAP	**II**	**05 01 11 40.9**	**22.91N**	**120.64E**	**1**	**3.1L**			**180-0**
									¶97ii0617
ISC	**II**	**05 01 49 20**±1.3	**24.42N**±.086	**121.8E**±.21	**11**±13			**6**	**0-1**
TAP	II	05 01 49 18.8	24.44N	121.76E	22	2.5L			¶97ii0626
TAP	Felt I=II J Lanyu								
TAP	**II**	**06 20 36 36.3**	**25.15N**	**121.54E**	**144**	**3.0L**			**180-0**
									¶97ii0901
TAP	**II**	**09 12 04 05.9**	**23.40N**	**121.65E**	**28**	**3.2L**			**180-0**
									¶97ii1303
BJI	**II**	**09 21 39 33.2**	**25.14N**	**121.38E**	**5**				¶97ii1368
ISC	**II**	**09 21 42 21.9**±.54	**23.51N**±.038	**121.68E**±.077	**53**±5.8	**3.9b**		**39**	**0-84**
TAP	II	09 21 42 21.9	23.51N	121.70E	31	4.7L			¶97ii1369
BJI	II	09 21 42 24.2	23.27N	121.20E	71				
NEIC	II	09 21 42 27.0	23.48N	121.66E	100	3.8b			
EIDC	II	09 21 42 30.2	23.5N	121.8E	119	3.6b			
TAP	Felt I=II J Chengkung								
NEIC	Less reliable solution.								
ISC	**II**	**10 16 50 08.5**±.46	**24.15N**±.034	**121.77E**±.057	**49**±4.5	**4.2b**		**65**	**0-83**
TAP	II	10 16 50 08.7	24.13N	121.76E	20	4.9L			¶97ii1491
BJI	II	10 16 50 11.5	24.40N	121.54E	65	4.6L,4.5b			
NEIC	II	10 16 50 13.4	24.13N	121.85E	96	4.6b			
EIDC	II	10 16 50 15.3	24.1N	121.8E	97	3.7b			
MOS	II	10 16 50 17.3	24.1N	121.7E	136	4.9b			
TAP	Felt I=III J, I=II J Chiawan, Hwalien, Suao, Hsinchu								
BJI	Ms4.3								
ISC	**II**	**10 18 33 12.2**±.98	**23.51N**±.075	**120.27E**±.068	**6**±10			**11**	**0-2**
TAP	II	10 18 33 11.8	23.46N	120.29E	8	3.2L			¶97ii1498
TAP	Felt I=II J Chiayi								
TAP	**II**	**11 04 18 34.8**	**23.28N**	**121.63E**	**30**	**3.2L**			**180-0**
									¶97ii1583
TAP	**II**	**12 05 20 00.3**	**24.53N**	**121.72E**	**68**	**3.1L**			**180-0**
									¶97ii1725
TAP	**II**	**12 08 05 15.1**	**24.43N**	**121.82E**	**10**	**2.4L**			¶97ii1739
TAP	Felt I=II J								
ISC	**II**	**13 08 29 55.1**±.57	**23.17N**±.041	**121.44E**±.069	**44**±6.1	**4.1b**		**42**	**0-84**
EIDC	II	13 08 29 50.3	23.1N	121.3E	0	3.9b,4.2L			¶97ii1890
NEIC	II	13 08 29 53.6	23.14N	121.27E	33	3.8b			
TAP	II	13 08 29 54.2	23.21N	121.46E	23	4.7L			
BJI	II	13 08 30 05.1	24.12N	120.79E	5	3.8L,3.8s			
NEIC	Less reliable solution.								
TAP	Felt I=III J Chengkung, Yuli								
TAP	**II**	**13 14 23 06.0**	**24.78N**	**121.76E**	**99**	**3.5L**			**180-0**
									¶97ii1938
ISC	**II**	**14 01 10 39**±3.0	**24.3N**±.13	**121.8E**±.48	**15**			**4**	**0-1**
TAP	II	14 01 10 38.9	24.34N	121.78E	15	2.7L			¶97ii2002
ISC	Poorly determined								
TAP	Felt I=III J								
ISC	**II**	**14 17 48 51.4**±.86	**23.76N**±.055	**121.6E**±.11	**19**±10			**13**	**0-2**
TAP	II	14 17 48 51.1	23.82N	121.49E	17	3.4L			¶97ii2094
TAP	Felt I=III J								
TAP	**II**	**16 01 55 56.4**	**23.53N**	**121.61E**	**25**	**3.0L**			**180-0**
									¶97ii2324
TAP	**II**	**16 10 02 13.3**	**24.46N**	**121.75E**	**9**	**2.3L**			¶97ii2361
TAP	Felt I=III J								
TAP	**II**	**17 10 45 55.6**	**23.30N**	**120.13E**	**15**	**3.1L**			**180-0**
									¶97ii2475
ISC	**II**	**17 23 28 12.9**±.86	**23.05N**±.050	**121.47E**±.079	**16**±13			**20**	**0-3**
BJI	II	17 23 28 11.6	23.04N	121.34E	15	3.5L			¶97ii2571
TAP	II	17 23 28 12.3	23.05N	121.48E	21	4.3L			
TAP	Felt I=III J Chengkung								
ISC	**II**	**18 08 18 26**±3.0	**24.26N**±.077	**122.0E**±.27	**8**±14			**10**	**0-1**
TAP	II	18 08 18 26.7	24.31N	121.84E	15	3.5L			¶97ii2617
TAP	Felt I=III J								
ISC	**II**	**18 12 18 49**±1.8	**24.0N**±.13	**121.5E**±.29	**11**			**4**	**0-1**
TAP	II	18 12 18 48.8	24.03N	121.60E	11	2.7L			¶97ii2642
ISC	Poorly determined								
TAP	Felt I=II J Hwalien								
ISC	**II**	**19 06 24 43**±3.2	**23.1N**±.11	**121.6E**±.23	**5**±19			**6**	**0-1**
TAP	II	19 06 24 44.1	23.12N	121.43E	14	3.3L			¶97ii2738
TAP	Felt I=III J Chengkung								
TAP	**II**	**19 08 11 28.1**	**24.07N**	**121.92E**	**43**	**3.7L**			**1-3**
JMA	II	19 08 11 29.3±.2	24.39N±.05	122.07E±.02	80				¶97ii2751
TAP	**II**	**19 09 00 25.7**	**23.95N**	**121.73E**	**49**	**3.0L**			**180-0**
									¶97ii2756
ISC	**II**	**19 09 49 21.4**±.70	**23.87N**±.036	**121.70E**±.074	**25**±5.3	**3.9b**		**40**	**0-83**
BJI	II	19 09 49 13.4	23.65N	122.18E	5	4.2L,4.5b			¶97ii2759
TAP	II	19 09 49 21.2	23.90N	121.56E	18	4.5L			
NEIC	II	19 09 49 28.9	23.81N	121.82E	100				
EIDC	II	19 09 49 35.9	24.0N	121.8E	139	3.5b			
BJI	Ms4.3								
TAP	Felt I=V j, III Hwalien, Chiawan								
NEIC	Less reliable solution.								
TAP	**II**	**19 20 12 14.3**	**24.74N**	**121.90E**	**11**	**3.0L**			**1-1**
									¶97ii2828
ISC	**II**	**19 21 31 08**±1.9	**24.22N**±.076	**122.0E**±.22	**29**±8.5			**12**	**0-2**
TAP	II	19 21 31 09.1	24.32N	121.78E	26	3.0L			¶97ii2839
TAP	Felt I=II J								
ISC	**II**	**19 22 13 23**±1.0	**23.85N**±.065	**121.6E**±.12	**24**±7.0	3.3b		**16**	**0-83**
TAP	II	19 22 13 23.3	23.94N	121.50E	17	3.8L			¶97ii2843
TAP	Felt I=III J Hwalien, Chiawan								
ISC	**II**	**20 01 57 39**±2.0	**24.44N**±.080	**121.9E**±.24	**19**±21			**9**	**0-1**
TAP	II	20 01 57 38.7	24.47N	121.87E	19	2.9L			¶97ii2861
TAP	Felt I=III J								
ISC	**II**	**20 10 41 54**±6.6	**24.4N**±.38	**121.8E**±.44	**56**±39	**3.6b**		**7**	**3-83**
EIDC	II	20 10 41 47.2	24.2N	122.2E	0	3.6b			¶97ii2911
TAP	II	20 10 41 48.1	23.86N	121.97E	8	4.0L			
BJI	II	20 10 41 52.1	24.25N	121.82E	16	3.6L,3.5s			
NEIC	II	20 10 41 53.3	24.38N	121.95E	50	3.4b			
NEIC	Poor solution.								
ISC	**II**	**21 23 50 27.8**±.69	**23.92N**±.047	**121.57E**±.090	**19**±7.3			**17**	**0-2**
TAP	II	21 23 50 27.1	23.94N	121.52E	21	3.8L			¶97ii3141
TAP	Felt I=IV J, III Hwalien								
ISC	**II**	**22 06 40 14**±2.1	**23.22N**±.069	**121.5E**±.18	**6**±20			**6**	**0-1**
TAP	II	22 06 40 14.8	23.27N	121.38E	8	3.3L			¶97ii3180
TAP	Felt I=II J Chengkung								
ISC	**II**	**22 18 31 45**±2.8	**24.4N**±.15	**121.8E**±.39	**12**			**4**	**0-1**
TAP	II	22 18 31 44.6	24.41N	121.81E	12	2.5L			¶97ii3230
ISC	Poorly determined								
TAP	Felt I=III J								
TAP	**II**	**22 22 59 23.2**	**24.43N**	**121.92E**	**22**	**3.2L**			**180-0**
									¶97ii3263
TAP	**II**	**23 07 38 41.4**	**24.43N**	**121.92E**	**60**	**3.6L**			**180-0**
									¶97ii3305
TAP	**II**	**23 18 47 49.5**	**24.54N**	**121.93E**	**8**	**3.1L**			¶97ii3359
TAP	Felt I=II J								
ISC	**II**	**24 01 53 36**±3.1	**24.1N**±.17	**121.7E**±.38	**11**±17			**7**	**0-1**
TAP	II	24 01 53 35.7	24.03N	121.61E	12	2.7L			¶97ii3404
ISC	Poorly determined								
TAP	Felt I=III J Chiawan, I Hwalien								
TAP	**II**	**24 14 10 44.9**	**24.55N**	**121.91E**	**8**	**3.2L**			**180-0**
									¶97ii3487
TAP	**II**	**24 23 22 36.2**	**24.64N**	**121.87E**	**72**	**3.2L**			**82-82**
									¶97ii3554
TAP	**II**	**25 03 28 26.8**	**24.45N**	**121.75E**	**4**	**1.7L**			¶97ii3577
TAP	Felt I=III J								
ISC	**II**	**25 16 47 49**±3.0	**23.8N**±.13	**121.6E**±.21	**41**±30	**3.7b**		**9**	**3-83**
TAP	II	25 16 47 49.7	23.78N	121.60E	19	4.2L			¶97ii3664
BJI	II	25 16 47 52.9	23.88N	121.47E	81				
NEIC	II	25 16 47 55.9	23.75N	121.76E	100				
EIDC	II	25 16 47 57.1	23.8N	121.7E	93	3.4b,3.5L			
NEIC	Single network solution.								
ISC	**II**	**25 19 37 03**±1.4	**24.43N**±.095	**121.7E**±.22	**9**			**4**	**0-1**
TAP	II	25 19 37 01.8	24.43N	121.74E	9	2.2L			¶97ii3677
ISC	Poorly determined								
TAP	Felt I=III J								
TAP	**II**	**26 13 53 31.0**	**24.40N**	**121.97E**	**30**	**3.1L**			**180-0**
									¶97ii3797
ISC	**II**	**27 15 44 42.8**±.76	**23.85N**±.033	**121.83E**±.056	**28**±5.9	**4.0b**,3.8s		**50**	**0-83**
BJI	II	27 15 44 40.3	23.90N	121.79E	13	4.3L,4.0b			¶97ii3980
NEIC	II	27 15 44 43.0	23.85N	121.79E	33	4.3b			
TAP	II	27 15 44 43.3	23.89N	121.71E	17	4.7L			
EIDC	II	27 15 44 48.6	23.8N	121.7E	74	3.7b			
BJI	Ms3.9								
NEIC	M_L4.3(BJI), Less reliable solution.								
TAP	Felt I=III J Hwalien, Chiawan, I Suao								
ISC	**II**	**27 19 26 47**±1.7	**23.87N**±.064	**121.7E**±.14	**15**±8.5			**18**	**0-2**
TAP	II	27 19 26 47.0	23.90N	121.67E	19	3.9L			¶97ii3999
TAP	Felt I=II J Hwalien								
ISC	**II**	**27 22 38 06.2**±.92	**23.73N**±.097	**121.5E**±.15	**19**			**7**	**0-1**
TAP	II	27 22 38 05.7	23.76N	121.41E	19	2.8L			¶97ii4046
TAP	Felt I=III J								
TAP	**III**	**02 14 15 57.5**	**24.57N**	**121.64E**	**47**	**3.7L**			**180-0**
									¶97iii0327
TAP	**III**	**05 02 50 44.5**	**23.73N**	**120.97E**	**2**	**3.9L**			**2-2**
									¶97iii0966
TAP	**III**	**05 09 31 02.9**	**23.19N**	**121.36E**	**24**	**3.2L**			**180-0**
									¶97iii1028
ISC	**III**	**05 10 01 06**±1.7	**24.28N**±.069	**121.8E**±.21	**8**±10			**11**	**0-1**
TAP	III	05 10 01 06.3	24.31N	121.72E	13	2.8L			¶97iii1032
TAP	Felt I=III J								
TAP	**III**	**05 18 30 15.8**	**24.36N**	**121.73E**	**15**	**2.6L**			¶97iii1113
TAP	Felt I=II J								
ISC	**III**	**07 19 53 11.6**±.90	**24.36N**±.042	**121.8E**±.10	**4**±9.9			**15**	**0-2**
TAP	III	07 19 53 11.0	24.35N	121.74E	14	3.4L			¶97iii1591
TAP	Felt I=III J								
ISC	**III**	**08 02 19 13**±1.6	**23.83N**±.050	**121.8E**±.11	**2**±12			**14**	**0-2**
TAP	III	08 02 19 14.3	23.93N	121.60E	11	3.4L			¶97iii1643
TAP	Felt I=II J Hwalien								
TAP	**III**	**08 09 55 06.1**	**24.40N**	**121.97E**	**12**	**3.1L**			**180-0**
									¶97iii1726
TAP	**III**	**08 21 33 34.5**	**24.59N**	**121.57E**	**63**	**3.4L**			**180-0**
									¶97iii1838
ISC	**III**	**09 21 36 39**±2.2	**22.3N**±.27	**120.4E**±.24	**33**	**3.8b**		**7**	**16-84**
EIDC	III	09 21 36 35.3	22.1N	120.5E	0	4.0b,3.9L			¶97iii2093
ISC	**III**	**10 16 07 49**±1.0	**24.44N**±.050	**121.7E**±.13	**7**±11			**11**	**0-1**
TAP	III	10 16 07 47.8	24.44N	121.76E	8	2.5L			¶97iii2241
TAP	Felt I=IV J								
ISC	**III**	**11 09 29 41**±1.9	**22.37N**±.091	**120.1E**±.14	**46**±22			**19**	**0-3**
TAP	III	11 09 29 40.3	22.35N	120.06E	33	4.3L			¶97iii2351
TAP	Felt I=III Kaohsiung,I at Shoushan								
ISC	**III**	**11 13 12 18.5**±.97	**23.72N**±.061	**121.45E**±.099	**5**±11			**11**	**0-2**
TAP	III	11 13 12 18.2	23.77N	121.44E	13	2.7L			¶97iii2380
TAP	Felt I=II J								
TAP	**III**	**11 17 03 28.2**	**23.08N**	**121.98E**	**8**	**3.3L**			**180-0**
									¶97iii2416
TAP	**III**	**12 01 07 15.0**	**24.42N**	**121.72E**	**3**	**1.4L**			¶97iii2462
TAP	Felt I=III J								
ISC	**III**	**12 13 51 22.6**±.92	**24.35N**±.038	**121.90E**±.070	**4**±8.5	3.5b		**22**	**0-83**
TAP	III	12 13 51 23.1	24.38N	121.83E	12	3.5L			¶97iii2546
TAP	Felt I=IV J								
ISC	**III**	**12 14 08 57**±1.2	**24.44N**±.073	**121.7E**±.13	**9**			**6**	**0-1**
TAP	III	12 14 08 55.8	24.44N	121.74E	9	2.0L			¶97iii2548
TAP	Felt I=III J								
TAP	**III**	**13 09 45 15.5**	**24.44N**	**121.74E**	**6**	**1.9L**			¶97iii2681
TAP	Felt I=II J								
ISC	**III**	**14 07 06 47**±1.3	**24.33N**±.057	**121.8E**±.16	**11**±9.4			**11**	**0-1**
TAP	III	14 07 06 46.9	24.35N	121.79E	14	2.8L			¶97iii2831
TAP	Felt I=III J								
TAP	**III**	**14 17 20 56.2**	**23.52N**	**121.50E**	**21**	**3.2L**			**180-0**
									¶97iii2922
TAP	**III**	**15 07 18 54.3**	**24.44N**	**121.76E**	**8**	**2.0L**			¶97iii3015
TAP	Felt I=III J								
TAP	**III**	**15 13 14 41.0**	**23.46N**	**120.28E**	**9**	**3.2L**			**180-0**
									¶97iii3058
TAP	**III**	**16 06 51 36.7**	**24.37N**	**121.96E**	**24**	**3.3L**			**180-0**
									¶97iii3184

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
TAP	**III**	**16 07 19 27.5**	**22.82N**	**120.71E**	**16**	**3.2L**		**180-0**
								¶97iii3188
TAP	**III**	**16 17 37 15.4**	**23.12N**	**121.87E**	**8**	**3.1L**		**180-0**
								¶97iii3248
TAP	**III**	**16 18 32 31.7**	**23.28N**	**120.55E**	**6**	**3.1L**		**180-0**
								¶97iii3254
ISC	**III**	**17 10 53 03**±1.5	**24.38N**±.063	**121.8E**±.17	**7**±17		**8**	**0-1**
TAP	III	17 10 53 01.3	24.38N	121.81E	14	2.8L		**¶97iii3367**
TAP	Felt I=III J							
TAP	**III**	**17 17 47 08.5**	**22.82N**	**120.68E**	**16**	**3.1L**		**180-0**
								¶97iii3414
TAP	**III**	**17 21 54 44.7**	**24.10N**	**121.64E**	**28**	**3.8L**		**180-0**
								¶97iii3438
TAP	**III**	**18 13 37 11.1**	**24.06N**	**121.65E**	**9**	**3.3L**		**180-0**
								¶97iii3544
TAP	**III**	**18 19 45 05.5**	**23.82N**	**121.66E**	**19**	**3.8L**		**180-0**
								¶97iii3583
ISC	**III**	**19 03 15 46**±2.1	**24.3N**±.18	**121.8E**±.31	**15**±21		**5**	**0-1**
TAP	III	19 03 15 45.2	24.36N	121.72E	15	2.4L		**¶97iii3623**
ISC	Poorly determined							
TAP	Felt I=II J							
TAP	**III**	**19 12 52 46.3**	**23.86N**	**121.67E**	**40**	**3.8L**		**180-0**
								¶97iii3710
ISC	**III**	**20 05 25 19**±1.1	**24.43N**±.073	**121.8E**±.17	**3**±22		**9**	**0-1**
TAP	III	20 05 25 18.0	24.45N	121.75E	8	2.9L		**¶97iii3843**
TAP	Felt I=IV J							
TAP	**III**	**20 23 05 11.4**	**23.75N**	**121.74E**	**33**	**3.3L**		**180-0**
								¶97iii3963
ISC	**III**	**21 05 20 18**±2.2	**24.3N**±.11	**121.8E**±.21	**8**		**5**	**0-1**
TAP	III	21 05 20 17.7	24.35N	121.73E	8	2.2L		**¶97iii4000**
ISC	Poorly determined							
TAP	Felt I=III J							
ISC	**III**	**21 14 26 58.5**±.90	**22.84N**±.060	**120.68E**±.061	**14**±10		**15**	**0-2**
TAP	III	21 14 26 57.4	22.83N	120.71E	13	3.2L		**¶97iii4084**
TAP	Felt I=II J							
ISC	**III**	**21 16 45 47**±1.2	**24.34N**±.054	**121.8E**±.16	**14**		**8**	**0-1**
TAP	III	21 16 45 46.0	24.35N	121.71E	14	2.8L		**¶97iii4101**
TAP	Felt I=III J							
TAP	**III**	**22 20 37 13.9**	**23.99N**	**121.71E**	**40**	**3.1L**		**180-0**
								¶97iii4314
ISC	**III**	**22 23 37 38.7**±.66	**24.44N**±.032	**121.81E**±.056	**7**±5.2	**3.6b**	**33**	**0-83**
TAP	III	22 23 37 38.5	24.44N	121.76E	9	4.5L		**¶97iii4337**
BJI	III	22 23 37 41.2	24.53N	121.56E	39	4.1L,4.2b		
EIDC	III	22 23 37 55.4	24.4N	121.7E	141	3.2b		
TAP	Felt I=II J Suao, Neicheng, I Ilan, Chiawan, Hwalien, Taipei							
BJI	Ms3.8							
TAP	**III**	**22 23 47 50.7**	**24.47N**	**121.72E**	**5**	**1.3L**		**¶97iii4339**
TAP	Felt I=II J							
ISC	**III**	**23 00 18 28.5**±.80	**24.43N**±.042	**121.75E**±.096	**5**±12		**13**	**0-2**
TAP	III	23 00 18 28.1	24.44N	121.75E	8	3.2L		**¶97iii4349**
TAP	Felt I=V J							
TAP	**III**	**23 00 32 45.9**	**23.27N**	**121.70E**	**13**	**2.4L**		**¶97iii4351**
TAP	Felt I=III J							
ISC	**III**	**23 01 52 49**±1.2	**24.43N**±.064	**121.7E**±.11	**0**±23		**9**	**0-1**
TAP	III	23 01 52 48.2	24.45N	121.75E	8	2.7L		**¶97iii4361**
TAP	Felt I=IV J							
ISC	**III**	**23 03 54 52.0**±.91	**24.44N**±.044	**121.7E**±.12	**7**±11		**11**	**0-2**
TAP	III	23 03 54 51.4	24.44N	121.76E	9	2.9L		**¶97iii4383**
TAP	Felt I=V J							
ISC	**III**	**23 05 02 19**±3.1	**24.4N**±.11	**121.9E**±.30	**14**		**5**	**0-1**
TAP	III	23 05 02 19.3	24.42N	121.79E	14	2.3L		**¶97iii4396**
TAP	Felt I=II J							
TAP	**III**	**23 14 02 03.3**	**23.54N**	**121.76E**	**20**	**3.0L**		**180-0**
								¶97iii4448
ISC	**III**	**23 23 02 12**±5.4	**24.8N**±.15	**121.9E**±.39	**10**±15		**6**	**0-1**
TAP	III	23 23 02 10.7	24.86N	122.00E	9	3.8L		**¶97iii4493**
TAP	Felt I=III J Santiao Chiao, I Ilan, Suao, Neicheng							
TAP	**III**	**24 00 58 55.3**	**24.87N**	**121.97E**	**5**	**3.1L**		**180-0**
								¶97iii4504
TAP	**III**	**24 01 44 34.2**	**23.46N**	**121.77E**	**15**	**3.6L**		**180-0**
								¶97iii4508
ISC	**III**	**24 03 51 49**±2.1	**24.3N**±.11	**121.8E**±.22	**15**		**5**	**0-1**
TAP	III	24 03 51 48.5	24.36N	121.73E	15	2.6L		**¶97iii4522**
TAP	Felt I=II J							
TAP	**III**	**24 12 02 10.8**	**23.84N**	**120.87E**	**18**	**3.6L**		**180-0**
								¶97iii4565
TAP	**III**	**24 16 29 45.6**	**23.24N**	**121.65E**	**28**	**3.4L**		**180-0**
								¶97iii4587
TAP	**III**	**24 22 01 28.0**	**23.84N**	**120.87E**	**17**	**3.1L**		**180-0**
								¶97iii4624
ISC	**III**	**24 23 32 19.5**±.44	**24.12N**±.032	**121.75E**±.059	**49**±4.0	**4.1b,4.3s**	**71**	**0-83**
TAP	III	24 23 32 20.1	24.16N	121.72E	29	4.8L		**¶97iii4640**
MOS	III	24 23 32 23.9	24.2N	121.7E	96	4.6b		
BJI	III	24 23 32 24.6	24.36N	121.48E	100	4.4b		
NEIC	III	24 23 32 24.9	24.06N	121.65E	100	4.2b		
EIDC	III	24 23 32 29.7	24.1N	121.7E	131	3.6b,4.1s		
TAP	Felt I=III J Chiawan, Hwalien, Tachien, II Ilan, Suao, Taichung, Kuangyinshan, Taipei							
NEIC	Less reliable solution.							
TAP	**III**	**24 23 36 23.6**	**24.17N**	**121.65E**	**32**	**3.0L**		**180-0**
								¶97iii4641
TAP	**III**	**25 20 06 23.7**	**24.16N**	**121.65E**	**31**	**3.6L**		**180-0**
								¶97iii4777
TAP	**III**	**26 06 49 02.8**	**24.18N**	**121.64E**	**30**	**3.2L**		**180-0**
								¶97iii4853
ISC	**III**	**26 09 55 03.5**±.76	**24.43N**±.038	**121.78E**±.056	**2**±7.8	**3.7b**	**26**	**0-59**
BJI	III	26 09 55 02.6	24.63N	121.97E	5	3.7L		**¶97iii4915**
TAP	III	26 09 55 02.8	24.45N	121.77E	10	4.2L		
EIDC	III	26 09 55 11.8	23.9N	123.3E	0	3.7b,3.7L		
NEIC	III	26 09 55 14.2	23.97N	123.13E	33			
TAP	Felt I=III J Neicheng, II Suao							
NEIC	Poor solution.							
ISC	**III**	**26 09 58 19.8**±.88	**24.45N**±.039	**121.8E**±.11	**11**		**15**	**0-2**
TAP	III	26 09 58 18.9	24.44N	121.78E	11	3.3L		**¶97iii4917**
TAP	Felt I=V J							
TAP	**III**	**26 14 55 35.3**	**24.82N**	**121.80E**	**82**	**3.6L**		**180-0**
								¶97iii5007
TAP	**III**	**27 15 17 25.8**	**24.75N**	**121.73E**	**86**	**3.1L**		**180-0**
								¶97iii5255
TAP	**III**	**28 19 58 28.1**	**23.47N**	**120.94E**	**9**	**3.2L**		**180-0**
								¶97iii5475
TAP	**III**	**28 20 35 26.6**	**24.40N**	**121.96E**	**11**	**3.5L**		**1-1**
								¶97iii5478
ISC	**III**	**29 08 07 33**±1.2	**23.99N**±.071	**121.6E**±.13	**6**±10		**8**	**0-1**
TAP	III	29 08 07 31.9	23.99N	121.61E	9	2.6L		**¶97iii5559**
TAP	Felt I=III J Hwalien							
ISC	**III**	**29 10 33 07.6**±.73	**23.13N**±.044	**121.54E**±.057	**21**±9.1		**25**	**0-3**
TAP	III	29 10 33 07.5	23.17N	121.53E	24	4.1L		**¶97iii5573**
JMA	III	29 10 33 09.3±.2	23.16N±.02	121.62E±.02	87			
TAP	Felt I=III J Chengkung							
ISC	**III**	**29 12 16 42.1**±.82	**23.70N**±.057	**120.28E**±.084	**27**±8.2		**18**	**0-2**
TAP	III	29 12 16 41.8	23.71N	120.31E	26	3.8L		**¶97iii5585**
TAP	Felt I=III J, II Chiayi							
ISC	**III**	**29 17 28 42**±1.6	**23.98N**±.075	**121.7E**±.15	**5**±12		**7**	**0-1**
TAP	III	29 17 28 40.9	23.98N	121.62E	9	2.5L		**¶97iii5627**
TAP	Felt I=II J Hwalien							
TAP	**IV**	**01 14 12 25.0**	**22.26N**	**120.06E**	**27**	**3.4L**		**180-0**
								¶97iv0082
ISC	**IV**	**02 03 38 53**±1.3	**24.42N**±.091	**121.7E**±.15	**11**		**5**	**0-1**
TAP	IV	02 03 38 51.7	24.46N	121.73E	11	2.1L		**¶97iv0186**
TAP	Felt I=III J							
ISC	**IV**	**02 17 15 47**±1.0	**23.54N**±.071	**120.86E**±.071	**2**		**6**	**0-1**
TAP	IV	02 17 15 45.6	23.49N	120.86E	2	2.5L		**¶97iv0275**
TAP	Felt I=II J Alishan							
ISC	**IV**	**02 22 36 42.5**±.55	**24.71N**±.035	**121.79E**±.052	**12**±3.9	**3.8b**	**33**	**0-82**
TAP	IV	02 22 36 41.9	24.69N	121.74E	12	4.3L		**¶97iv0338**
BJI	IV	02 22 36 44.6	24.76N	121.66E	33	3.8L,4.1b		
NEIC	IV	02 22 36 46.6	24.67N	121.88E	50	3.5b		
EIDC	IV	02 22 36 59.2	24.6N	121.7E	156	3.2b		
TAP	Felt I=IV J, III Ilan, Neicheng, Suao, I Taipei							
BJI	Ms3.7							
NEIC	Less reliable solution.							
ISC	**IV**	**02 22 43 57.8**±.72	**24.69N**±.043	**121.75E**±.073	**7**		**11**	**0-1**
TAP	IV	02 22 43 57.0	24.69N	121.72E	7	2.8L		**¶97iv0342**
TAP	Felt I=III J							
ISC	**IV**	**03 08 41 45**±1.6	**24.46N**±.090	**121.8E**±.18	**12**±12		**6**	**0-1**
TAP	IV	03 08 41 44.7	24.50N	121.81E	20	2.5L		**¶97iv0400**
TAP	Felt I=III J							
TAP	**IV**	**03 10 54 01.2**	**24.71N**	**121.79E**	**65**	**3.9L**		**180-0**
								¶97iv0415
TAP	**IV**	**04 01 37 07.7**	**23.15N**	**121.44E**	**23**	**3.0L**		**180-0**
								¶97iv0524
ISC	**IV**	**04 08 53 53.1**±.85	**23.21N**±.060	**120.48E**±.076	**14**		**9**	**0-1**
TAP	IV	04 08 53 52.5	23.17N	120.51E	14	3.3L		**¶97iv0579**
TAP	Felt I=II J							
TAP	**IV**	**04 16 46 03.7**	**22.91N**	**120.66E**	**10**	**3.5L**		**180-0**
								¶97iv0633
TAP	**IV**	**05 09 50 22.9**	**22.89N**	**120.66E**	**2**	**3.2L**		**180-0**
								¶97iv0745
ISC	**IV**	**05 10 59 05**±1.3	**23.15N**±.073	**121.4E**±.13	**10**±11		**9**	**0-2**
TAP	IV	05 10 59 05.0	23.16N	121.32E	12	3.0L		**¶97iv0759**
TAP	Felt I=III J Chengkung							
TAP	**IV**	**05 22 13 12.4**	**23.47N**	**121.68E**	**32**	**3.1L**		**180-0**
								¶97iv0865
TAP	**IV**	**06 20 55 24.3**	**23.20N**	**121.42E**	**19**	**3.1L**		**180-0**
								¶97iv1053
ISC	**IV**	**07 06 18 15**±3.8	**24.4N**±.13	**121.9E**±.34	**12**		**4**	**0-1**
TAP	IV	07 06 18 15.3	24.38N	121.84E	12	2.5L		**¶97iv1112**
ISC	Poorly determined							
TAP	Felt I=II J							
TAP	**IV**	**07 10 33 34.1**	**23.40N**	**121.57E**	**25**	**3.6L**		**180-0**
								¶97iv1138
TAP	**IV**	**07 14 57 45.0**	**23.37N**	**121.80E**	**34**	**3.1L**		**2-2**
								¶97iv1179
ISC	**IV**	**07 15 36 54**±1.1	**24.34N**±.047	**121.8E**±.12	**1**±14		**13**	**0-1**
TAP	IV	07 15 36 53.9	24.36N	121.72E	14	3.0L		**¶97iv1183**
TAP	Felt I=III J							
ISC	**IV**	**07 16 53 52**±1.3	**24.40N**±.077	**121.7E**±.14	**7**±22		**7**	**0-1**
TAP	IV	07 16 53 50.6	24.41N	121.79E	13	2.2L		**¶97iv1190**
TAP	Felt I=III J							
ISC	**IV**	**07 23 37 21**±1.0	**24.1N**±.14	**120.9E**±.19	**31**	**3.6b,**3.1s	**8**	**6-83**
TAP	IV	07 23 37 01.9	22.29N	122.04E	12	4.3L		**¶97iv1243**
EIDC	IV	07 23 37 17.7	24.1N	120.9E	0	3.8b,3.1s		
NEIC	IV	07 23 37 21.0	24.16N	120.84E	33	3.6b		
BJI	IV	07 23 37 39.8	24.33N	120.87E	31	2.9L		
NEIC	Less reliable solution.							
ISC	**IV**	**08 15 10 43.5**±.49	**23.79N**±.034	**120.93E**±.053	**23**±8.0		**25**	**0-2**
TAP	IV	08 15 10 42.8	23.77N	120.96E	16	3.9L		**¶97iv1348**
BJI	IV	08 15 10 43.8	24.02N	120.78E	15	3.2L		
TAP	Felt I=II J Sun Moon Lake, I Chiayi, Hwalien							
ISC	**IV**	**08 18 24 53**±1.3	**24.42N**±.076	**121.8E**±.14	**8**		**6**	**0-1**
TAP	IV	08 18 24 52.7	24.44N	121.75E	8	2.0L		**¶97iv1386**
TAP	Felt I=II J							
TAP	**IV**	**09 04 16 08.6**	**23.23N**	**121.43E**	**19**	**3.6L**		**180-0**
								¶97iv1456
TAP	**IV**	**09 05 29 45.5**	**24.49N**	**121.75E**	**56**	**3.6L**		**180-0**
								¶97iv1461
ISC	**IV**	**09 08 48 23.5**±.81	**23.95N**±.048	**121.8E**±.12	**41**±11	3.4b	**25**	**0-83**
EIDC	IV	09 08 48 12.5	22.7N	122.0E	0	3.6b,4.2L		**¶97iv1486**
TAP	IV	09 08 48 23.0	23.96N	121.80E	29	4.3L		
TAP	Felt I=II J Hwalien							
ISC	**IV**	**10 14 38 58**±1.4	**23.54N**±.076	**120.27E**±.085	**7**±12		**8**	**0-2**
TAP	IV	10 14 38 57.4	23.44N	120.27E	7	2.9L		**¶97iv1706**
TAP	Felt I=II J Chiayi							
TAP	**IV**	**11 07 14 12.1**	**23.44N**	**121.96E**	**14**	**3.0L**		**180-0**
								¶97iv1828
ISC	**IV**	**11 11 09 45.5**±.64	**23.21N**±.046	**120.55E**±.057	**8**		**12**	**0-1**
TAP	IV	11 11 09 45.0	23.20N	120.55E	8	3.2L		**¶97iv1883**
TAP	Felt I=II J							
ISC	**IV**	**11 15 06 34.4**±.52	**23.19N**±.036	**120.57E**±.048	**7**		**18**	**0-2**
TAP	IV	11 15 06 33.2	23.20N	120.55E	7	3.3L		**¶97iv1925**
TAP	Felt I=III J							
TAP	**IV**	**11 18 21 42.1**	**23.10N**	**121.87E**	**20**	**3.0L**		**180-0**
								¶97iv1950
TAP	**IV**	**11 18 30 36.3**	**23.27N**	**121.63E**	**29**	**3.3L**		**180-0**
								¶97iv1951
TAP	**IV**	**12 04 15 55.5**	**24.67N**	**121.66E**	**54**	**3.1L**		**180-0**
								¶97iv2007
TAP	**IV**	**12 23 38 02.7**	**24.47N**	**121.77E**	**7**	**1.9L**		**¶97iv2154**
TAP	Felt I=III J							

ISC	**IV**	**13 12 15 06**±1.1	**24.46N**±.071	**121.7E**±.12	**5**		**6**	**0-1**
TAP	IV	13 12 15 05.3	24.48N	121.74E	5	2.1L		**¶97iv2239**
TAP	Felt I=III J							
ISC	**IV**	**13 17 45 14.2**±.27	**23.80N**±.020	**121.64E**±.034	**62**±2.4	**5.1b**	**262**	**0-177**
BJI	IV	13 17 45 13.8	23.94N	121.66E	54	5.1L,5.2b		**¶97iv2275**
TAP	IV	13 17 45 14.0	23.81N	121.71E	46	5.6L		
NEIC	IV	13 17 45 14.5	23.72N	121.58E	69	5.2b		
HRVD	IV	13 17 45 14.6±.6	23.91N±.06	121.61E±.09	61±5.6			
MOS	IV	13 17 45 14.8	23.9N	121.8E	69	5.4b		
EIDC	IV	13 17 45 17.6	23.8N	121.7E	84	4.6b		
BJI	Ms4.6							
TAP	Felt I=IV J Chengkung, III Hwalien, Chiawan, Tachien, Taichung, II Yuli, Sun Moon Lake, Suao, Neicheng, Ilan, Taitung, Hsinchu, Chiayi, Taipei, Kuangyinshan, Laynu, I Pinlang, Mucha, Anpu, Penghu							
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c23; Half duration: 1ϑ0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.14±.68; $M_{\theta\theta}$2.64±.53; $M_{\phi\phi}$2.50±.92; $M_{r\theta}$0.23±.54; $M_{r\phi}$2.34±.56; $M_{\theta\phi}$1.15±.87. Principal Axes: T 4.09,Plg12°,Azm310°; N 1.71, Plg10°,Azm218°; P −5.80,Plg74°,Azm90°. Best double couple: $M_0$4.9×10^{16}Nm, NP1:ϕ_S53°, δ34°,λ−72°. NP2:ϕ_S212°,δ58°,λ−102°.							
TAP	**IV**	**13 17 49 32.0**	**23.85N**	**121.64E**	**43**	**3.2L**		**200-0**
								¶97iv2276
ISC	**IV**	**13 22 43 29.9**±.60	**23.87N**±.050	**120.94E**±.066	**20**±12		**14**	**0-1**
TAP	IV	13 22 43 29.1	23.86N	120.97E	26	3.5L		**¶97iv2315**
TAP	Felt I=II J							
TAP	**IV**	**14 17 12 41.5**	**24.15N**	**121.69E**	**10**	**3.4L**		**180-0**
								¶97iv2487
TAP	**IV**	**15 17 15 03.5**	**23.83N**	**121.68E**	**42**	**3.2L**		**180-0**
								¶97iv2628
ISC	**IV**	**17 03 51 01**±2.7	**24.4N**±.11	**121.9E**±.24	**17**±43		**6**	**0-1**
TAP	IV	17 03 51 01.5	24.48N	121.84E	17	2.3L		**¶97iv2850**
TAP	Felt I=II J							
ISC	**IV**	**18 15 34 45.9**±.82	**23.89N**±.055	**120.75E**±.071	**9**±10		**10**	**0-1**
TAP	IV	18 15 34 45.5	23.89N	120.75E	11	2.7L		**¶97iv3097**
TAP	Felt I=III J							
ISC	**IV**	**19 01 03 11**±1.4	**24.44N**±.079	**121.8E**±.15	**7**±19		**8**	**0-1**
TAP	IV	19 01 03 10.6	24.47N	121.84E	8	2.6L		**¶97iv3135**
TAP	Felt I=III J							
TAP	**IV**	**19 07 57 01.4**	**24.00N**	**121.71E**	**33**	**3.7L**		**180-0**
								¶97iv3173
ISC	**IV**	**19 20 53 49.1**±.71	**23.35N**±.037	**120.44E**±.062	**11**±7.1		**19**	**0-2**
TAP	IV	19 20 53 48.7	23.33N	120.47E	9	3.5L		**¶97iv3235**
TAP	Felt I=II J Chiayi							
ISC	**IV**	**20 09 37 58**±1.5	**24.43N**±.098	**121.7E**±.17	**11**		**4**	**0-1**
TAP	IV	20 09 37 57.8	24.43N	121.75E	11	2.4L		**¶97iv3294**
ISC	Poorly determined							
TAP	Felt I=III J							
ISC	**IV**	**20 10 54 05**±2.1	**24.43N**±.099	**121.8E**±.28	**12**±18		**6**	**0-1**
TAP	IV	20 10 54 04.1	24.45N	121.74E	7	2.2L		**¶97iv3299**
TAP	Felt I=III J							
ISC	**IV**	**20 15 55 37.4**±.68	**23.90N**±.043	**121.72E**±.099	**38**±8.7	**3.3b**	**28**	**0-83**
EIDC	IV	20 15 55 26.7	22.4N	122.7E	0	3.3b,4.0L		**¶97iv3337**
TAP	IV	20 15 55 37.2	23.90N	121.65E	33	4.1L		
BJI	IV	20 15 55 49.0	24.87N	120.76E	5	3.0L		
TAP	Felt I=III J Hwalien							
ISC	**IV**	**21 02 14 09.9**±.87	**24.42N**±.044	**121.7E**±.12	**6**±9.9		**12**	**0-1**
TAP	IV	21 02 14 09.2	24.44N	121.76E	10	2.9L		**¶97iv3386**
TAP	Felt I=V J							
ISC	**IV**	**21 02 14 52**±1.3	**24.43N**±.090	**121.8E**±.15	**8**		**5**	**0-1**
TAP	IV	21 02 14 50.8	24.45N	121.74E	8	2.2L		**¶97iv3387**
TAP	Felt I=III J							
TAP	**IV**	**21 05 52 21.1**	**23.58N**	**121.63E**	**29**	**3.3L**		**180-0**
								¶97iv3411
ISC	**IV**	**22 12 35 59.1**±.43	**22.71N**±.033	**120.87E**±.044	**6**	**3.7b**	**24**	**0-84**
TAP	IV	22 12 35 58.7	22.73N	120.85E	6	3.8L		**¶97iv3730**
EIDC	IV	22 12 36 01.2	22.7N	122.6E	0	3.7b		
NEIC	IV	22 12 36 03.6	22.58N	122.09E	33	3.5b		
TAP	Felt I=III J							
NEIC	Poor solution.							
ISC	**IV**	**24 16 57 00.9**±.74	**23.90N**±.041	**120.73E**±.063	**12**±8.1		**17**	**0-1**
TAP	IV	24 16 57 00.6	23.89N	120.75E	12	3.4L		**¶97iv4181**
TAP	Felt I=IV J							
TAP	**IV**	**25 04 56 17.4**	**23.29N**	**121.65E**	**29**	**3.3L**		**180-0**
								¶97iv4282
ISC	**IV**	**25 14 56 41.9**±.74	**23.13N**±.035	**120.72E**±.057	**0**±9.3		**18**	**0-2**
TAP	IV	25 14 56 40.9	23.12N	120.73E	5	3.4L		**¶97iv4365**
TAP	Felt I=III J							
TAP	**IV**	**25 15 57 08.4**	**23.90N**	**121.58E**	**37**	**3.2L**		**180-0**
								¶97iv4378
ISC	**IV**	**25 22 01 02.0**±.91	**23.81N**±.055	**121.46E**±.093	**14**±9.3		**16**	**0-1**
TAP	IV	25 22 01 01.0	23.82N	121.46E	18	3.3L		**¶97iv4426**
TAP	Felt I=IV J							
ISC	**IV**	**26 01 31 40.2**±.61	**23.14N**±.035	**120.72E**±.050	**4**±8.6		**18**	**0-2**
TAP	IV	26 01 31 39.2	23.12N	120.74E	5	3.4L		**¶97iv4449**
TAP	Felt I=III J							
ISC	**IV**	**26 10 33 27**±1.6	**24.45N**±.053	**121.8E**±.19	**21**		**11**	**0-1**
TAP	IV	26 10 33 27.2	24.49N	121.79E	21	3.0L		**¶97iv4526**
TAP	Felt I=II J							
ISC	**IV**	**26 11 36 58**±1.2	**24.45N**±.075	**121.8E**±.14	**7**±19		**8**	**0-1**
TAP	IV	26 11 36 56.8	24.48N	121.80E	21	2.8L		**¶97iv4539**
TAP	Felt I=II J							
ISC	**IV**	**26 11 40 52**±1.9	**24.45N**±.086	**121.8E**±.21	**23**		**6**	**0-1**
TAP	IV	26 11 40 51.9	24.48N	121.80E	23	2.5L		**¶97iv4540**
TAP	Felt I=II J							
TAP	**IV**	**26 11 52 46.0**	**24.17N**	**121.66E**	**30**	**3.2L**		**180-0**
								¶97iv4544
ISC	**IV**	**26 17 07 57**±2.0	**24.4N**±.10	**121.8E**±.20	**1**±31		**5**	**0-1**
TAP	IV	26 17 07 55.6	24.42N	121.78E	13	2.3L		**¶97iv4582**
ISC	Poorly determined							
TAP	Felt I=II J							
TAP	**IV**	**27 00 12 51.4**	**24.47N**	**121.74E**	**3**	**1.8L**		**¶97iv4628**
TAP	Felt I=III J							
TAP	**IV**	**27 01 01 16.4**	**23.06N**	**120.69E**	**8**	**3.0L**		**180-0**
								¶97iv4635
ISC	**IV**	**27 23 59 32.5**±.29	**24.59N**±.031	**121.94E**±.040	**67**±3.7	**3.9b**	**61**	**0-83**
NEIC	IV	27 23 59 28.5	24.63N	122.28E	33	4.2b		**¶97iv4810**
BJI	IV	27 23 59 28.6	24.60N	122.16E	27	4.4L,4.6b		
TAP	IV	27 23 59 32.6	24.61N	121.96E	61	5.2L		
JMA	IV	27 23 59 34.8±.4	24.50N±.05	122.09E±.03	71			
EIDC	IV	27 23 59 45.8	24.5N	122.0E	182	3.5b		
NEIC	Less reliable solution.							
BJI	Ms4.4							
TAP	Felt I=IV J III Ilan, Neicheng, II Suao, Hwalien, I Mucha, Taipei, Chiawan, Kuangyinshan, Tachien							
TAP	**IV**	**28 02 26 36.7**	**23.01N**	**121.30E**	**18**	**3.0L**		**180-0**
								¶97iv4832
TAP	**IV**	**28 05 38 04.6**	**25.04N**	**121.67E**	**140**	**3.2L**		**180-0**
								¶97iv4860
TAP	**IV**	**28 22 41 30.3**	**23.01N**	**120.54E**	**18**	**3.1L**		**180-0**
								¶97iv4988
ISC	**IV**	**29 10 10 00**±1.0	**24.34N**±.053	**121.7E**±.14	**11**±11		**9**	**0-1**
TAP	IV	29 10 09 58.7	24.36N	121.72E	15	2.7L		**¶97iv5056**
TAP	Felt I=II J							
TAP	**IV**	**30 01 42 34.2**	**23.01N**	**121.30E**	**21**	**3.0L**		**180-0**
								¶97iv5144
BJI	**IV**	**30 07 55 24.6**	**23.95N**	**121.24E**	**23**	**3.3L**		**¶97iv5180**
TAP	IV	30 07 55 24.9	24.11N	121.81E	7	3.9L		
TAP	**IV**	**30 22 42 53.3**	**24.08N**	**121.84E**	**8**	**3.1L**		**180-0**
								¶97iv5280
TAP	**V**	**02 13 21 57.5**	**24.44N**	**121.75E**	**8**	**1.8L**		**¶97v0271**
TAP	Felt I=III J							
ISC	**V**	**02 19 02 02**±1.2	**24.20N**±.056	**121.7E**±.14	**7**		**10**	**0-1**
TAP	V	02 19 02 01.2	24.22N	121.80E	7	3.1L		**¶97v0315**
TAP	Felt I=II J							
ISC	**V**	**02 19 04 26**±1.5	**24.19N**±.061	**121.8E**±.15	**5**		**10**	**0-1**
TAP	V	02 19 04 25.7	24.22N	121.74E	5	3.1L		**¶97v0316**
TAP	Felt I=III J							
ISC	**V**	**02 19 45 33**±1.1	**24.20N**±.044	**121.8E**±.11	**10**		**19**	**0-2**
TAP	V	02 19 45 31.8	24.22N	121.75E	10	3.7L		**¶97v0321**
TAP	Felt I=III J							
ISC	**V**	**02 21 30 24.0**±.78	**24.21N**±.040	**120.16E**±.051	**26**±7.6	**3.7b,**3.0s	**40**	**0-83**
TAP	V	02 21 30 23.6	24.19N	120.18E	23	4.5L		**¶97v0332**
EIDC	V	02 21 30 26.3	23.6N	120.6E	0	3.6b,4.0L		
NEIC	V	02 21 30 27.6	23.71N	120.22E	33	3.7b		
BJI	V	02 21 30 28.6	24.63N	120.15E	10	4.2L		
TAP	Felt I=III J Penghu, II Chiayi							
NEIC	Poor solution.							
TAP	**V**	**04 00 19 34.2**	**23.64N**	**121.57E**	**33**	**3.2L**		**180-0**
								¶97v0527
ISC	**V**	**04 08 34 51**±1.6	**24.39N**±.070	**121.8E**±.18	**9**		**6**	**0-1**
TAP	V	04 08 34 51.6	24.43N	121.80E	9	2.7L		**¶97v0598**
TAP	Felt III J							
ISC	**V**	**05 13 24 15**±1.1	**24.43N**±.048	**121.8E**±.15	**5**±12		**12**	**0-2**
TAP	V	05 13 24 14.4	24.45N	121.79E	8	3.0L		**¶97v0788**
TAP	Felt I=IV J							
ISC	**V**	**06 05 14 54**±1.4	**24.12N**±.059	**121.9E**±.14	**24**±8.3		**18**	**0-83**
TAP	V	06 05 14 55.0	24.19N	121.75E	16	3.9L		**¶97v0908**
BJI	V	06 05 14 56.0	24.30N	121.75E	33	3.2L		
TAP	Felt I=III J I Hwalien, Suao							
ISC	**V**	**06 10 42 39.1**±.88	**22.72N**±.065	**120.87E**±.083	**12**±11		**7**	**0-1**
TAP	V	06 10 42 38.3	22.69N	120.87E	7	2.7L		**¶97v0951**
TAP	Felt I=II J							
TAP	**V**	**06 16 48 10.8**	**24.44N**	**121.78E**	**5**	**2.0L**		**¶97v0986**
TAP	Felt I=III J							
ISC	**V**	**06 19 34 36**±1.7	**24.45N**±.085	**121.8E**±.28	**8**		**4**	**0-1**
TAP	V	06 19 34 34.6	24.45N	121.80E	8	2.4L		**¶97v1000**
ISC	Poorly determined							
TAP	Felt I=III J							
ISC	**V**	**06 21 47 56**±1.6	**23.17N**±.050	**121.47E**±.099	**14**±12		**13**	**0-2**
TAP	V	06 21 47 56.2	23.21N	121.39E	18	3.6L		**¶97v1014**
TAP	Felt I=II J Chengkung							
TAP	**V**	**07 01 31 43.2**	**23.20N**	**121.39E**	**20**	**3.1L**		**180-0**
								¶97v1040
ISC	**V**	**07 10 28 27**±3.9	**24.44N**±.069	**122.0E**±.47	**25**±18		**11**	**0-1**
TAP	V	07 10 28 27.0	24.46N	121.86E	19	3.5L		**¶97v1083**
TAP	Felt I=III J, II Suao							
TAP	**V**	**08 04 12 02.2**	**24.59N**	**121.81E**	**66**	**3.5L**		**180-0**
								¶97v1178
ISC	**V**	**08 14 20 10.5**±.73	**24.61N**±.047	**121.21E**±.091	**8**		**11**	**0-2**
TAP	V	08 14 20 09.9	24.59N	121.21E	8	3.4L		**¶97v1259**
TAP	Felt I=II J							
TAP	**V**	**08 17 20 34.3**	**24.01N**	**121.80E**	**7**	**3.6L**		**180-0**
								¶97v1282
ISC	**V**	**08 18 18 32**±1.6	**23.11N**±.050	**121.5E**±.11	**9**±10		**15**	**0-2**
TAP	V	08 18 18 31.8	23.12N	121.45E	13	3.7L		**¶97v1292**
TAP	Felt I=IV J Chengkung							
ISC	**V**	**09 00 58 55**±5.2	**23.1N**±.12	**121.5E**±.41	**13**±21		**5**	**0-1**
TAP	V	09 00 58 55.2	23.13N	121.45E	13	3.0L		**¶97v1337**
ISC	Poorly determined							
TAP	Felt I=II J Chengkung							
TAP	**V**	**09 16 00 43.2**	**24.15N**	**121.54E**	**32**	**3.0L**		**180-0**
								¶97v1445
ISC	**V**	**09 20 21 31**±1.4	**24.03N**±.051	**121.7E**±.11	**1**±11		**14**	**0-2**
TAP	V	09 20 21 31.1	24.07N	121.66E	8	3.3L		**¶97v1484**
TAP	Felt I=II J Chiawan							
TAP	**V**	**10 21 33 48.5**	**24.88N**	**121.95E**	**109**	**3.1L**		**180-0**
								¶97v1667
ISC	**V**	**10 22 37 32**±2.0	**24.3N**±.10	**121.7E**±.24	**23**		**4**	**0-1**
TAP	V	10 22 37 31.3	24.31N	121.69E	23	2.6L		**¶97v1677**
ISC	Poorly determined							
TAP	Felt I=II J							
TAP	**V**	**12 04 43 59.0**	**23.19N**	**120.44E**	**8**	**3.3L**		**180-0**
								¶97v1895
TAP	**V**	**12 13 43 45.2**	**24.80N**	**121.96E**	**95**	**3.1L**		**180-0**
								¶97v1968
ISC	**V**	**12 23 18 05.1**±.56	**23.98N**±.038	**121.75E**±.086	**49**±5.8	**3.9b**	**34**	**0-84**
TAP	V	12 23 18 05.4	23.98N	121.69E	36	4.5L		**¶97v2070**
BJI	V	12 23 18 11.9	24.57N	121.06E	13	3.5L		
EIDC	V	12 23 18 14.6	23.9N	121.7E	125	3.5b		
TAP	Felt I=III J, II Hwalien, Chiawan, I Tachien, Suao							
TAP	**V**	**13 01 05 47.4**	**23.97N**	**121.68E**	**38**	**3.0L**		**180-0**
								¶97v2096
TAP	**V**	**13 03 51 36.7**	**24.45N**	**121.74E**	**8**	**2.1L**		**¶97v2120**
TAP	Felt I=III J							
TAP	**V**	**13 11 52 02.9**	**23.43N**	**121.51E**	**27**	**3.6L**		**180-0**
								¶97v2244
ISC	**V**	**14 11 12 56**±1.6	**24.5N**±.10	**121.8E**±.18	**10**±18		**5**	**0-1**
TAP	V	14 11 12 55.0	24.49N	121.75E	7	2.2L		**¶97v2437**
ISC	Poorly determined							
TAP	Felt I=III J							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**14 15 31 10**±1.5	**24.43N**±.096	**121.7E**±.16	**8**		**4**	**0-1**
TAP	V	14 15 31 09.6	24.44N	121.74E	8	2.3L		**¶97v2471**
ISC		Poorly determined						
TAP		Felt I=IV J						
ISC	**V**	**14 16 02 26**±1.4	**24.43N**±.097	**121.7E**±.16	**1**±31		**5**	**0-1**
TAP	V	14 16 02 25.1	24.44N	121.74E	8	2.3L		**¶97v2477**
ISC		Poorly determined						
TAP		Felt I=IV J						
ISC	**V**	**15 10 43 46.5**±.32	**24.79N**±.042	**121.95E**±.048	**105**±3.9	**3.9b**	**49**	**0-83**
TAP	V	15 10 43 47.7	24.79N	121.93E	93	4.9L		**¶97v2599**
JMA	V	15 10 43 48.5±.6	24.72N±.06	122.06E±.05	94			
NEIC	V	15 10 43 51.4	24.76N	121.84E	150	3.7b		
BJI	V	15 10 43 55.8	25.35N	121.63E	150	4.6b		
EIDC	V	15 10 44 00.3	24.9N	122.2E	218	3.5b		
TAP		Felt I=III J I Hwalien, Ilan, Suao, Neicheng						
NEIC		Less reliable solution.						
TAP	**V**	**15 12 20 18.2**	**22.67N**	**120.59E**	**36**	**3.4L**		**180-0**
								¶97v2614
ISC	**V**	**17 08 00 58**±1.1	**24.21N**±.064	**121.8E**±.14	**27**±7.6		**13**	**0-2**
TAP	V	17 08 00 58.2	24.27N	121.67E	23	3.3L		**¶97v2898**
TAP		Felt I=II J						
ISC	**V**	**17 10 31 46.2**±.66	**22.84N**±.054	**120.68E**±.066	**16**±23		**11**	**0-1**
TAP	V	17 10 31 45.4	22.83N	120.70E	15	3.0L		**¶97v2912**
TAP		Felt I=II J						
TAP	**V**	**17 12 05 44.9**	**24.47N**	**121.78E**	**58**	**3.1L**		**180-0**
								¶97v2925
ISC	**V**	**18 13 38 39**±2.2	**24.38N**±.061	**122.0E**±.20	**11**±11		**11**	**0-2**
TAP	V	18 13 38 39.7	24.40N	121.90E	14	2.9L		**¶97v3093**
TAP		Felt I=III J						
TAP	**V**	**19 22 35 46.7**	**23.37N**	**120.80E**	**7**	**3.2L**		**180-0**
								¶97v3314
ISC	**V**	**20 14 55 27**±1.0	**24.50N**±.035	**120.69E**±.051	**15**±8.0	**3.9b**	**35**	**0-87**
BJI	V	20 14 55 10.3	23.58N	122.31E	31	4.4L,3.7s		**¶97v3421**
EIDC	V	20 14 55 24.5	24.3N	120.9E	0	3.6b,3.6L		
TAP	V	20 14 55 26.0	24.46N	120.72E	10	4.3L		
NEIC	V	20 14 55 28.3	24.29N	121.35E	33	4.2b		
TAP		Felt I=IV J, II Taichung						
NEIC		Poor solution.						
TAP	**V**	**20 16 23 52.0**	**24.74N**	**121.87E**	**15**	**3.0L**		**180-0**
								¶97v3433
TAP	**V**	**20 23 15 43.6**	**24.63N**	**121.82E**	**72**	**3.7L**		**180-0**
								¶97v3477
ISC	**V**	**22 11 32 30.4**±.64	**23.18N**±.038	**120.70E**±.062	**3**		**15**	**0-2**
TAP	V	22 11 32 29.7	23.18N	120.73E	3	3.6L		**¶97v3764**
TAP		Felt I=III J						
TAP	**V**	**22 19 02 56.7**	**23.80N**	**121.81E**	**39**	**4.1L**		**180-0**
								¶97v3819
TAP	**V**	**22 22 53 33.2**	**24.58N**	**121.56E**	**65**	**3.2L**		**180-0**
								¶97v3843
TAP	**V**	**23 10 23 37.3**	**23.96N**	**121.04E**	**12**	**3.5L**		**180-0**
								¶97v3933
TAP	**V**	**23 17 16 45.1**	**23.16N**	**121.37E**	**19**	**3.0L**		**180-0**
								¶97v3973
TAP	**V**	**23 17 24 36.4**	**23.53N**	**121.59E**	**36**	**4.2L**		**15-48**
EIDC	V	23 17 24 36.3	23.0N	123.5E	0	3.5b,3.5L		**¶97v3976**
TAP	**V**	**24 01 26 06.1**	**23.40N**	**121.53E**	**33**	**3.8L**		**180-0**
								¶97v4031
TAP	**V**	**24 16 34 25.2**	**23.33N**	**120.05E**	**15**	**3.0L**		**180-0**
								¶97v4142
TAP	**V**	**24 21 14 26.0**	**24.71N**	**120.33E**	**15**	**3.6L**		**180-0**
								¶97v4172
TAP	**V**	**24 22 25 26.3**	**24.75N**	**121.68E**	**49**	**3.0L**		**180-0**
								¶97v4177
ISC	**V**	**25 19 15 37**±1.2	**23.99N**±.045	**121.74E**±.091	**3**±8.8		**20**	**0-2**
TAP	V	25 19 15 36.8	24.01N	121.72E	9	3.9L		**¶97v4314**
TAP		Felt I=II J Hwalien						
TAP	**V**	**25 22 33 53.9**	**24.45N**	**121.87E**	**16**	**3.0L**		**180-0**
								¶97v4326
JMA	**V**	**25 23 57 43.1**±.6	**22.07N**±.07	**120.49E**±.08	**0**	**3.5**		**¶97v4337**
TAP	V	25 23 57 41.4	22.13N	119.86E	49	4.0L		
TAP	**V**	**26 05 10 22.1**	**24.09N**	**121.66E**	**28**	**3.3L**		**180-0**
								¶97v4368
TAP	**V**	**26 07 34 19.9**	**24.41N**	**121.69E**	**54**	**3.3L**		**180-0**
								¶97v4385
ISC	**V**	**26 15 32 26**±4.1	**23.2N**±.13	**120.4E**±.31	**5**±28		**5**	**0-1**
TAP	V	26 15 32 22.6	23.17N	120.18E	8	2.5L		**¶97v4431**
ISC		Poorly determined						
TAP		Felt I=IV J						
ISC	**V**	**28 11 54 48.6**±.62	**23.93N**±.032	**121.06E**±.051	**10**±6.6		**24**	**0-2**
TAP	V	28 11 54 48.0	23.96N	121.04E	15	4.1L		**¶97v4713**
BJI	V	28 11 54 53.7	23.97N	120.40E	7	3.3L		
TAP		Felt I=II J Sun Moon Lake, Tachien						
TAP	**V**	**28 16 37 29.6**	**23.96N**	**121.04E**	**13**	**3.6L**		**180-0**
								¶97v4744
ISC	**V**	**29 09 30 04.7**±.98	**24.40N**±.060	**121.7E**±.13	**22**±12		**12**	**0-1**
TAP	V	29 09 30 04.0	24.41N	121.67E	27	3.6L		**¶97v4848**
TAP		Felt I=III J, I Ilan, Neicheng						
TAP	**V**	**29 10 25 14.7**	**24.49N**	**121.79E**	**11**	**2.3L**		**¶97v4855**
TAP		Felt I=II J						
TAP	**V**	**30 05 29 52.4**	**24.46N**	**121.73E**	**6**	**1.9L**		**¶97v4985**
TAP		Felt I=III J						
TAP	**V**	**30 08 17 09.4**	**24.43N**	**121.83E**	**16**	**2.8L**		**¶97v5003**
TAP		Felt I=III J						
ISC	**V**	**30 10 27 48.1**±.99	**24.47N**±.039	**121.8E**±.12	**5**		**12**	**0-1**
TAP	V	30 10 27 47.0	24.48N	121.77E	5	2.9L		**¶97v5023**
TAP		Felt I=IV J						
ISC	**V**	**31 01 28 39**±1.3	**23.73N**±.084	**121.5E**±.13	**21**		**9**	**0-1**
TAP	V	31 01 28 38.9	23.79N	121.42E	21	3.2L		**¶97v5133**
TAP		Felt I=III J						
TAP	**V**	**31 09 22 34.4**	**23.75N**	**121.15E**	**32**	**3.2L**		**180-0**
								¶97v5175
ISC	**V**	**31 23 21 36**±1.1	**24.64N**±.046	**122.0E**±.13	**83**±9.8		**28**	**0-8**
BJI	V	31 23 21 29.8	25.12N	117.58E	15	4.0L,4.2b		**¶97v5254**
TAP	V	31 23 21 37.4	24.62N	121.87E	64	4.8L		
TAP		Felt I=III J, II Suao, IlanI Kuangyinshan, Hwalien						
ISC	**VI**	**01 06 31 21.7**±.74	**24.45N**±.055	**121.54E**±.090	**6**±16		**10**	**0-1**
TAP	VI	01 06 31 20.7	24.48N	121.53E	12	2.8L		**¶97vi0033**
TAP		Felt I=II J						
TAP	**VI**	**02 06 42 51.3**	**23.27N**	**120.42E**	**14**	**3.1L**		**180-0**
								¶97vi0196
TAP	**VI**	**02 14 38 47.9**	**24.51N**	**121.69E**	**67**	**3.5L**		**180-0**
								¶97vi0252
TAP	**VI**	**03 02 27 13.9**	**23.81N**	**121.64E**	**26**	**3.6L**		**180-0**
								¶97vi0374
ISC	**VI**	**03 08 34 48**±1.4	**24.80N**±.087	**121.96E**±.065	**76**±18		**20**	**0-2**
TAP	VI	03 08 34 47.6	24.83N	121.92E	77	4.0L		**¶97vi0408**
JMA	VI	03 08 34 47.7±.3	25.06N±.05	122.07E±.02	66±5			
TAP		Felt I=II J						
ISC	**VI**	**03 09 45 35.4**±.95	**24.36N**±.049	**121.8E**±.12	**24**±9.8		**18**	**0-2**
TAP	VI	03 09 45 35.2	24.40N	121.75E	25	3.5L		**¶97vi0420**
TAP		Felt I=II J						
TAP	**VI**	**03 15 29 07.1**	**24.85N**	**121.90E**	**96**	**3.8L**		**180-0**
								¶97vi0477
TAP	**VI**	**03 16 38 00.2**	**23.22N**	**120.40E**	**8**	**3.4L**		**180-0**
								¶97vi0489
TAP	**VI**	**04 03 00 00.0**	**23.80N**	**121.73E**	**44**	**3.1L**		**180-0**
								¶97vi0548
ISC	**VI**	**04 07 08 05.9**±.59	**24.42N**±.050	**121.97E**±.044	**17**±9.6		**26**	**0-3**
TAP	VI	04 07 08 05.8	24.45N	121.93E	7	4.2L		**¶97vi0571**
JMA	VI	04 07 08 06.0±.5	24.84N±.06	122.02E±.04	41	3.5		
BJI	VI	04 07 08 21.9	25.41N	120.61E	15	3.2L		
TAP		Felt I=III J, II Ilan						
TAP	**VI**	**04 11 47 59.5**	**23.58N**	**121.60E**	**29**	**3.2L**		**180-0**
								¶97vi0608
TAP	**VI**	**04 13 10 41.6**	**24.69N**	**121.94E**	**58**	**3.0L**		**180-0**
								¶97vi0618
ISC	**VI**	**05 00 42 52**±1.2	**22.62N**±.067	**120.2E**±.11	**37**±16		**17**	**0-3**
TAP	VI	05 00 42 52.4	22.64N	120.32E	37	4.1L		**¶97vi0692**
TAP		Felt I=II J Kaohsiung, Tainan, Shoushan						
TAP	**VI**	**05 15 23 32.6**	**23.07N**	**121.35E**	**18**	**3.2L**		**180-0**
								¶97vi0794
TAP	**VI**	**05 20 18 12.6**	**23.16N**	**121.47E**	**21**	**3.0L**		**180-0**
								¶97vi0825
ISC	**VI**	**06 03 08 11**±4.7	**24.4N**±.16	**122.0E**±.31	**11**±21		**6**	**0-1**
TAP	VI	06 03 08 11.3	24.42N	121.93E	15	2.8L		**¶97vi0872**
TAP		Felt I=II J						
ISC	**VI**	**06 15 46 56**±1.0	**24.44N**±.049	**121.8E**±.12	**7**±12		**11**	**0-1**
TAP	VI	06 15 46 56.0	24.46N	121.78E	8	2.7L		**¶97vi0955**
TAP		Felt I=IV J						
TAP	**VI**	**06 20 23 55.3**	**24.41N**	**121.96E**	**28**	**3.0L**		**180-0**
								¶97vi0989
TAP	**VI**	**07 00 08 31.0**	**24.45N**	**121.76E**	**3**	**1.8L**		**¶97vi1016**
TAP		Felt I=III J						
TAP	**VI**	**07 03 38 43.9**	**24.22N**	**121.03E**	**37**	**3.3L**		**180-0**
								¶97vi1034
ISC	**VI**	**07 06 03 34**±1.3	**23.50N**±.091	**121.3E**±.16	**14**±15		**5**	**0-1**
TAP	VI	07 06 03 33.6	23.52N	121.28E	9	2.6L		**¶97vi1049**
ISC		Poorly determined						
TAP		Felt I=III J						
ISC	**VI**	**07 06 52 59.8**±.91	**24.13N**±.059	**121.7E**±.12	**31**±6.4		**15**	**0-1**
TAP	VI	07 06 52 59.6	24.17N	121.64E	31	3.6L		**¶97vi1057**
TAP		Felt I=II J						
ISC	**VI**	**08 07 05 19**±1.5	**24.43N**±.045	**121.8E**±.14	**3**±12		**12**	**0-1**
TAP	VI	08 07 05 19.1	24.44N	121.83E	10	3.3L		**¶97vi1192**
TAP		Felt I=IV J						
TAP	**VI**	**08 08 08 31.5**	**24.41N**	**121.69E**	**3**	**1.8L**		**¶97vi1199**
TAP		Felt I=III J						
TAP	**VI**	**08 18 56 09.6**	**24.75N**	**121.88E**	**71**	**3.3L**		**180-0**
								¶97vi1276
TAP	**VI**	**09 06 54 30.8**	**24.80N**	**121.97E**	**5**	**3.0L**		**180-0**
								¶97vi1344
ISC	**VI**	**10 01 58 37.2**±.59	**24.60N**±.037	**121.22E**±.058	**3**		**14**	**0-2**
TAP	VI	10 01 58 36.2	24.59N	121.19E	3	3.6L		**¶97vi1464**
TAP		Felt I=II J						
TAP	**VI**	**10 04 11 58.9**	**23.48N**	**121.58E**	**26**	**4.0L**		**180-0**
								¶97vi1477
ISC	**VI**	**10 06 13 45**±2.5	**24.3N**±.13	**121.8E**±.27	**15**		**4**	**0-1**
TAP	VI	10 06 13 44.3	24.38N	121.75E	15	2.5L		**¶97vi1484**
ISC		Poorly determined						
TAP		Felt I=III J						
ISC	**VI**	**11 04 23 51**±1.1	**24.01N**±.059	**121.6E**±.11	**18**		**13**	**0-2**
TAP	VI	11 04 23 50.2	24.03N	121.61E	18	3.9L		**¶97vi1613**
TAP		Felt I=II J Hwalien						
ISC	**VI**	**11 12 41 00.4**±.75	**24.39N**±.038	**121.73E**±.076	**14**±6.3	**3.6b**	**26**	**0-59**
TAP	VI	11 12 40 57.8	24.38N	122.05E	24	4.3L		**¶97vi1690**
BJI	VI	11 12 40 58.3	24.64N	121.80E	12	3.4L		
EIDC	VI	11 12 41 05.3	24.1N	122.6E	0	3.5b,3.7L		
TAP		Felt I=II J						
TAP	**VI**	**11 15 40 49.3**	**24.47N**	**121.86E**	**13**	**3.0L**		**180-0**
								¶97vi1712
ISC	**VI**	**11 22 00 33**±1.1	**23.29N**±.049	**120.42E**±.070	**15**±11		**14**	**0-2**
TAP	VI	11 22 00 32.3	23.27N	120.45E	7	3.7L		**¶97vi1759**
TAP		Felt I=II J						
ISC	**VI**	**12 00 11 01.8**±.73	**23.84N**±.061	**120.74E**±.073	**20**±11		**11**	**0-1**
TAP	VI	12 00 11 01.1	23.85N	120.76E	24	3.5L		**¶97vi1774**
TAP		Felt I=IV J						
TAP	**VI**	**12 00 11 11.4**	**23.88N**	**120.76E**	**23**	**3.2L**		**180-0**
								¶97vi1775
ISC	**VI**	**12 06 00 40**±2.9	**24.2N**±.11	**121.9E**±.32	**19**		**8**	**0-6**
TAP	VI	12 06 00 40.3	24.23N	121.78E	19	3.1L		**¶97vi1806**
TAP		Felt I=II J						
TAP	**VI**	**12 20 57 18.8**	**23.76N**	**121.82E**	**14**	**3.1L**		**180-0**
								¶97vi1897
ISC	**VI**	**13 19 06 26.2**±.76	**23.74N**±.055	**121.45E**±.084	**18**		**16**	**0-2**
TAP	VI	13 19 06 25.7	23.75N	121.43E	18	3.0L		**¶97vi2029**
TAP		Felt I=III J						
TAP	**VI**	**14 17 12 33.8**	**23.95N**	**121.73E**	**42**	**3.4L**		**180-0**
								¶97vi2150
ISC	**VI**	**14 19 25 20.6**±.53	**23.86N**±.033	**121.76E**±.064	**39**±5.8	**3.9b**,4.4s	**48**	**0-99**
TAP	VI	14 19 25 20.3	23.89N	121.70E	18	4.6L		**¶97vi2161**
NEIC	VI	14 19 25 26.5	23.91N	121.78E	100	3.8b		
BJI	VI	14 19 25 26.6	24.12N	121.51E	100	4.2b		
EIDC	VI	14 19 25 27.4	23.9N	121.7E	90	3.5b		
TAP		Felt I=III J Hwalien, I Chiawan, Tachien, Chengkung						
NEIC		Less reliable solution.						
ISC	**VI**	**14 19 59 32.2**±.90	**24.42N**±.036	**121.8E**±.10	**8**±7.6		**19**	**0-2**
TAP	VI	14 19 59 31.6	24.44N	121.74E	8	3.7L		**¶97vi2166**
TAP		Felt I=II J						

TAP	**VI**	**14 20 01 27.1**	**23.89N**	**121.71E**	**21**	**3.6L**	**180-0**	
								¶97vi2167
ISC	**VI**	**14 20 19 45.2**±.86	**24.43N**±.036	**121.77E**±.098	**7**		**17**	**0-2**
TAP	VI	14 20 19 44.5	24.45N	121.74E	7	3.5L		**¶97vi2170**
TAP	Felt I=II J							
TAP	**VI**	**15 02 34 48.8**	**22.94N**	**120.65E**	**12**	**3.2L**	**180-0**	
								¶97vi2219
ISC	**VI**	**16 01 27 30.0**±.89	**24.42N**±.044	**121.7E**±.11	**0**±15		**14**	**0-2**
TAP	VI	16 01 27 29.0	24.45N	121.75E	9	3.0L		**¶97vi2386**
TAP	Felt I=IV J							
ISC	**VI**	**17 11 33 11**±1.7	**23.6N**±.14	**120.37E**±.083	**7**±12		**7**	**0-1**
TAP	VI	17 11 33 11.2	23.53N	120.42E	9	2.6L		**¶97vi2610**
TAP	Felt I=II J Chiayi							
ISC	**VI**	**17 21 39 41**±1.3	**23.07N**±.049	**121.5E**±.12	**19**±13		**14**	**0-1**
TAP	VI	17 21 39 41.1	23.08N	121.47E	23	3.4L		**¶97vi2693**
TAP	Felt I=II J Chengkung							
ISC	**VI**	**18 02 03 30.7**±.37	**23.96N**±.026	**121.78E**±.045	**53**±3.3	**4.6b,4.3s**	**116**	**0-99**
TAP	VI	18 02 03 30.6	23.96N	121.83E	32	5.2L		**¶97vi2713**
MOS	VI	18 02 03 33.9	24.0N	121.8E	79	5.2b		
NEIC	VI	18 02 03 35.8	24.00N	121.86E	100	4.6b		
EIDC	VI	18 02 03 36.4	24.0N	121.8E	92	4.2b		
BJI	VI	18 02 03 38.8	24.40N	121.35E	100	4.6b		
TAP	Felt I=IV J Hwalien, III Chiawan, II Suao, Tachien, Ilan, Chengkung, Chiayi, I Yuli, Sun Moon Lake, Alishan, Taichung, Kuangyinshan							
NEIC	Felt at Taipei and throughout northern and eastern Taiwan.							
TAP	**VI**	**18 23 03 22.5**	**24.03N**	**121.71E**	**33**	**3.2L**	**180-0**	
								¶97vi2840
TAP	**VI**	**19 02 00 33.0**	**24.00N**	**121.68E**	**31**	**3.7L**	**180-0**	
								¶97vi2855
ISC	**VI**	**19 13 21 48**±1.3	**24.43N**±.088	**121.7E**±.15	**8**		**5**	**0-1**
TAP	VI	19 13 21 47.4	24.44N	121.75E	8	2.1L		**¶97vi2923**
TAP	Felt I=III J							
ISC	**VI**	**19 15 14 06.5**±.94	**24.44N**±.053	**121.7E**±.11	**7**±13		**10**	**0-1**
TAP	VI	19 15 14 05.7	24.44N	121.73E	10	2.8L		**¶97vi2932**
TAP	Felt I=IV J							
ISC	**VI**	**19 22 53 00**±1.0	**24.44N**±.041	**121.8E**±.11	**6**		**14**	**0-2**
TAP	VI	19 22 52 59.3	24.45N	121.76E	6	3.3L		**¶97vi2970**
TAP	Felt I=IV J							
ISC	**VI**	**19 23 26 51.2**±.80	**24.42N**±.039	**121.75E**±.090	**9**		**16**	**0-1**
TAP	VI	19 23 26 50.3	24.43N	121.75E	9	3.2L		**¶97vi2976**
TAP	Felt I=IV J							
ISC	**VI**	**19 23 46 40.3**±.97	**24.42N**±.045	**121.8E**±.11	**9**		**12**	**0-1**
TAP	VI	19 23 46 39.6	24.44N	121.74E	9	3.1L		**¶97vi2978**
TAP	Felt I=IV J							
ISC	**VI**	**19 23 47 15**±1.2	**24.43N**±.074	**121.7E**±.13	**8**		**6**	**0-1**
TAP	VI	19 23 47 14.2	24.44N	121.72E	8	2.5L		**¶97vi2979**
TAP	Felt I=III J							
ISC	**VI**	**20 00 21 10**±1.3	**24.41N**±.069	**121.7E**±.15	**4**±20		**8**	**0-1**
TAP	VI	20 00 21 09.2	24.44N	121.75E	9	2.6L		**¶97vi2982**
TAP	Felt I=III J							
ISC	**VI**	**20 00 21 39**±1.4	**24.42N**±.078	**121.7E**±.15	**9**		**5**	**0-1**
TAP	VI	20 00 21 38.5	24.44N	121.75E	9	2.7L		**¶97vi2983**
TAP	Felt I=IV J							
ISC	**VI**	**20 05 10 20**±2.1	**23.8N**±.15	**121.4E**±.24	**16**		**4**	**0-1**
TAP	VI	20 05 10 19.4	23.82N	121.39E	16	2.5L		**¶97vi3017**
ISC	Poorly determined							
TAP	Felt I=III J							
ISC	**VI**	**20 05 13 04**±2.6	**24.5N**±.11	**121.7E**±.30	**9**		**6**	**0-1**
TAP	VI	20 05 13 02.1	24.46N	121.76E	9	2.7L		**¶97vi3018**
TAP	Felt I=IV J							
TAP	**VI**	**20 20 39 45.0**	**24.08N**	**121.63E**	**29**	**3.1L**	**180-0**	
								¶97vi3111
TAP	**VI**	**21 12 43 35.1**	**24.43N**	**121.64E**	**62**	**3.2L**	**180-0**	
								¶97vi3220
ISC	**VI**	**21 22 05 23**±1.5	**24.17N**±.061	**121.8E**±.16	**14**		**11**	**0-2**
TAP	VI	21 22 05 23.3	24.26N	121.69E	14	2.8L		**¶97vi3280**
TAP	Felt I=II J							
TAP	**VI**	**22 10 06 39.2**	**25.00N**	**121.79E**	**137**	**3.9L**	**180-0**	
								¶97vi3366
TAP	**VI**	**22 14 58 18.7**	**23.18N**	**120.73E**	**5**	**3.7L**	**180-0**	
								¶97vi3401
ISC	**VI**	**22 19 44 29**±1.3	**24.44N**±.092	**121.8E**±.16	**9**±22		**6**	**0-1**
TAP	VI	22 19 44 29.2	24.44N	121.74E	9	2.3L		**¶97vi3427**
TAP	Felt I=III J							
TAP	**VI**	**23 16 50 00.5**	**24.06N**	**121.68E**	**29**	**3.2L**	**180-0**	
								¶97vi3560
ISC	**VI**	**24 03 13 37**±1.4	**24.5N**±.13	**121.8E**±.20	**9**		**4**	**0-1**
TAP	VI	24 03 13 36.8	24.46N	121.76E	9	2.1L		**¶97vi3625**
ISC	Poorly determined							
TAP	Felt I=III J							
TAP	**VI**	**24 05 52 43.3**	**23.79N**	**120.91E**	**19**	**3.4L**	**180-0**	
								¶97vi3652
TAP	**VI**	**24 10 14 41.0**	**23.24N**	**120.91E**	**4**	**3.9L**	**180-0**	
								¶97vi3695
ISC	**VI**	**24 14 23 43**±2.1	**24.46N**±.066	**121.9E**±.21	**11**		**9**	**0-1**
TAP	VI	24 14 23 41.9	24.45N	121.92E	11	2.5L		**¶97vi3726**
TAP	Felt I=II J							
ISC	**VI**	**24 16 37 13.3**±.84	**25.11N**±.065	**121.57E**±.060	**7**±7.9		**13**	**0-3**
TAP	VI	24 16 37 12.9	25.12N	121.58E	9	3.7L		**¶97vi3751**
TAP	Felt I=II J Taipei							
TAP	**VI**	**24 20 36 31.9**	**24.37N**	**121.85E**	**12**	**2.2L**	**¶97vi3784**	
TAP	Felt I=II J							
TAP	**VI**	**25 07 59 21.4**	**24.71N**	**121.59E**	**56**	**3.3L**	**180-0**	
								¶97vi3870
TAP	**VI**	**27 01 19 13.9**	**24.43N**	**121.72E**	**9**	**2.4L**	**¶97vi4216**	
TAP	Felt I=II J							
TAP	**VI**	**27 10 31 36.0**	**23.19N**	**121.37E**	**19**	**3.2L**	**180-0**	
								¶97vi4280
TAP	**VI**	**28 12 27 00.0**	**23.31N**	**121.64E**	**30**	**3.1L**	**180-0**	
								¶97vi4475
TAP	**VI**	**28 15 19 02.9**	**23.07N**	**120.71E**	**4**	**3.2L**	**180-0**	
								¶97vi4494
TAP	**VI**	**28 15 20 24.3**	**23.06N**	**120.70E**	**8**	**3.2L**	**180-0**	
								¶97vi4496
TAP	**VI**	**29 07 38 25.5**	**23.07N**	**120.68E**	**10**	**3.0L**	**180-0**	
								¶97vi4586
ISC	**VI**	**29 15 50 59**±1.6	**24.30N**±.069	**121.8E**±.18	**8**		**8**	**0-1**
TAP	VI	29 15 50 58.8	24.33N	121.79E	8	2.6L		**¶97vi4640**
TAP	Felt I=II J							
TAP	**VI**	**29 19 15 04.6**	**24.32N**	**121.95E**	**26**	**3.2L**	**180-0**	
								¶97vi4653
TAP	**VI**	**30 19 49 39.7**	**24.05N**	**121.64E**	**26**	**3.2L**	**180-0**	
								¶97vi4815

(245) North-east of Taiwan.

ISC	**I**	**06 15 28 43**±5.5	**25.3N**±.62	**123.5E**±.29	**132**		**6**	**1-2**
JMA	I	06 15 28 42.6±.3	25.31N±.03	123.47E±.02	132			**¶97i0804**
ISC	**I**	**07 17 20 40.3**±.65	**26.05N**±.056	**125.47E**±.063	**49**±9.2	**4.2b**	**31**	**1-80**
BJI	I	07 17 20 36.7	25.66N	125.83E	55	4.2L,4.3b		**¶97i0952**
JMA	I	07 17 20 37.3±.4	25.94N±.04	125.57E±.04	0	3.6		
NEIC	I	07 17 20 41.4	26.15N	125.53E	50	4.3b		
EIDC	I	07 17 20 45.9	26.3N	125.6E	78	3.5b,3.1L		
BJI	Ms4.2							
NEIC	Less reliable solution.							
JMA	**I**	**20 08 44 18.2**±.3	**25.09N**±.03	**123.93E**±.02	**89**±5			**¶97i2968**
JMA	**I**	**28 20 33 07.4**±.3	**25.05N**±.04	**123.12E**±.02	**114**			**¶97i4257**
JMA	**I**	**29 00 02 47.6**±.4	**25.39N**±.04	**124.46E**±.04	**107**			**¶97i4272**
ISC	**I**	**29 23 40 46.1**±.34	**26.19N**±.052	**124.84E**±.052	**199**±4.7	**3.7b**	**40**	**1-83**
JMA	I	29 23 40 46.0±.4	26.17N±.05	124.80E±.04	199			**¶97i4418**
BJI	I	29 23 40 46.1	26.20N	124.86E	206	4.5b		
NEIC	I	29 23 40 46.1	26.20N	124.82E	200	4.1b		
EIDC	I	29 23 40 56.3	26.2N	124.8E	284	3.4b		
NEIC	Less reliable solution.							
ISC	**II**	**08 02 33 53**±10	**25.1N**±.75	**123.3E**±.25	**24**		**4**	**1-1**
JMA	II	08 02 33 55.0±.6	24.91N±.04	123.28E±.01	24	3.3		**¶97ii1080**
ISC	Poorly determined							
ISC	**II**	**08 15 26 47**±14	**25.0N**±.92	**123.3E**±.23	**14**		**4**	**1-1**
JMA	II	08 15 26 49.3±.7	24.91N±.05	123.27E±.02	14	3.4		**¶97ii1163**
ISC	Poorly determined							
ISC	**II**	**14 21 37 56**±2.6	**25.1N**±.22	**123.1E**±.24	**120**		**7**	**1-4**
JMA	II	14 21 37 56.0±.3	25.00N±.04	123.13E±.02	120±4			**¶97ii2118**
JMA	**II**	**21 22 29 10.4**±.2	**25.43N**±.02	**123.40E**±.03	**144**			**¶97ii3131**
ISC	**III**	**07 17 59 50**±5.7	**27.2N**±.68	**125.4E**±.44	**205**		**7**	**1-3**
JMA	III	07 17 59 52.1±.6	26.94N±.08	125.58E±.05	205			**¶97iii1565**
ISC	**III**	**09 08 23 56.0**±.59	**26.53N**±.093	**125.0E**±.10	**215**±7.1	**3.3b**	**21**	**2-79**
JMA	III	09 08 23 56.8±.6	26.59N±.07	124.91E±.07	198			**¶97iii1934**
EIDC	III	09 08 24 06.5	26.5N	125.0E	301	3.0b		
JMA	**III**	**13 16 22 22.9**±.1	**25.14N**±.02	**124.45E**±.01	**87**±2			**¶97iii2734**
ISC	**III**	**13 18 06 09.2**±.26	**25.60N**±.024	**123.83E**±.025	**201**±2.7	**4.7b**	**396**	**1-167**
NEIC	III	13 18 06 09.1	25.58N	123.74E	199	4.8b		**¶97iii2746**
MOS	III	13 18 06 09.3	25.6N	123.7E	200	5.7b		
JMA	III	13 18 06 09.8±.4	25.83N±.04	123.68E±.04	164	5.2		
BJI	III	13 18 06 09.8	25.54N	123.75E	216	5.1b		
EIDC	III	13 18 06 11.7	25.7N	123.7E	208	4.5b		
JMA	**III**	**15 16 08 27.6**±.1	**25.62N**±.02	**123.50E**±.04	**171**			**¶97iii3068**
ISC	**III**	**19 00 59 24**±3.0	**26.2N**±.47	**124.9E**±.34	**216**±64		**11**	**2-5**
JMA	III	19 00 59 27.0±.5	26.13N±.08	124.92E±.07	183			**¶97iii3607**
JMA	**III**	**24 09 25 57.9**±.1	**25.20N**±.02	**124.17E**±.02	**105**±2			**¶97iii4554**
JMA	**III**	**24 16 57 06.7**±.4	**25.17N**±.03	**123.87E**±.02	**75**			**¶97iii4592**
ISC	**III**	**25 21 23 44**±13	**25.1N**±.81	**123.1E**±.44	**19**		**4**	**1-1**
JMA	III	25 21 23 47.5±.8	24.84N±.05	123.15E±.02	19	2.8		**¶97iii4796**
ISC	Poorly determined							
JMA	**III**	**27 08 19 25.7**±.3	**25.29N**±.03	**123.44E**±.02	**147**			**¶97iii5172**
ISC	**III**	**27 12 02 53**±12	**25.0N**±.81	**123.1E**±.42	**24**		**4**	**1-1**
JMA	III	27 12 02 57.8±.7	24.74N±.06	123.18E±.02	24	2.8		**¶97iii5218**
ISC	Poorly determined							
ISC	**III**	**29 16 57 46**±8.7	**25.6N**±.93	**123.9E**±.27	**148**		**5**	**1-2**
JMA	III	29 16 57 46.0±.5	25.52N±.05	123.95E±.03	148			**¶97iii5624**
EIDC	**IV**	**08 22 38 37.2**	**26.6N**	**124.1E**	**0**	**3.7b**		**6-95**
								¶97iv1423
ISC	**IV**	**16 14 44 03**±5.3	**25.2N**±.66	**124.8E**±.32	**122**		**5**	**1-2**
JMA	IV	16 14 44 02.6±.5	25.23N±.06	124.76E±.03	122			**¶97iv2774**
ISC	**IV**	**20 15 41 13**±3.0	**25.1N**±.41	**124.2E**±.18	**121**		**7**	**1-3**
JMA	IV	20 15 41 13.0±.2	25.12N±.03	124.23E±.02	121			**¶97iv3335**
ISC	**IV**	**25 12 03 50**±2.0	**26.4N**±.21	**125.3E**±.16	**23**	2.9b	**9**	**1-79**
JMA	IV	25 12 03 53.6±.4	25.94N±.04	125.59E±.04	23	3.7		**¶97iv4340**
JMA	**IV**	**26 09 08 03.9**±.4	**25.32N**±.02	**123.66E**±.01	**42**	**3.0**		**¶97iv4509**
ISC	**IV**	**26 10 10 47**±2.2	**25.3N**±.17	**123.6E**±.17	**41**		**6**	**1-3**
JMA	IV	26 10 10 46.1±.2	25.31N±.01	123.62E±.01	41	3.6		**¶97iv4520**
ISC	**IV**	**27 06 38 11**±7.3	**25.4N**±.56	**123.6E**±.20	**24**		**5**	**1-1**
JMA	IV	27 06 38 12.3±.6	25.31N±.04	123.62E±.02	24	3.1		**¶97iv4676**
ISC	**IV**	**27 09 27 26**±5.2	**25.2N**±.66	**123.0E**±.34	**153**		**6**	**1-4**
JMA	IV	27 09 27 24.9±.3	25.29N±.04	122.97E±.03	153			**¶97iv4694**
ISC	**IV**	**27 18 33 53**±4.8	**25.3N**±.36	**123.6E**±.18	**25**		**5**	**1-1**
JMA	IV	27 18 33 52.5±.2	25.33N±.01	123.59E±.01	25	3.4		**¶97iv4776**
JMA	**V**	**01 05 30 53.7**±.4	**25.29N**±.02	**123.67E**±.01	**10**	**3.3**		**¶97v0038**
EIDC	**V**	**02 02 27 29.3**	**27.6N**	**123.5E**	**0**	**3.5b**		**48-79**
								¶97v0198
JMA	**V**	**03 05 41 47.5**±.3	**25.77N**±.02	**123.63E**±.02	**135**			**¶97v0387**
JMA	**V**	**11 07 01 12.4**±.3	**25.04N**±.04	**124.14E**±.01	**72**±5			**¶97v1741**
JMA	**V**	**11 23 43 02.6**±.1	**25.28N**±.01	**123.61E**±.01	**33**±3	**3.2**		**¶97v1864**
EIDC	**V**	**12 01 23 03.7**	**26.4N**	**125.6E**	**0**	3.5b		**65-79**
								¶97v1870
ISC	**V**	**12 11 56 34**±2.3	**25.3N**±.17	**123.6E**±.17	**30**		**6**	**1-3**
JMA	V	12 11 56 33.4±.2	25.31N±.01	123.60E±.01	30	3.6		**¶97v1952**
EIDC	**V**	**12 23 47 38.0**	**27.9N**	**124.0E**	**0**	3.5b,4.5L		**14-52**
								¶97v2077
ISC	**V**	**21 15 35 30**±8.4	**25.1N**±.93	**123.3E**±.29	**115**		**4**	**1-1**
JMA	V	21 15 35 30.0±.3	25.12N±.06	123.33E±.02	115±5			**¶97v3574**
ISC	Poorly determined							
ISC	**V**	**28 20 39 57**±6.7	**25.3N**±.49	**124.9E**±.16	**14**		**5**	**1-2**
JMA	V	28 20 39 56.8±.4	25.30N±.03	124.91E±.01	14	2.8		**¶97v4773**
ISC	Poorly determined							
JMA	**VI**	**01 04 27 33.5**±.1	**25.68N**±.02	**124.73E**±.02	**123**±3			**¶97vi0020**
ISC	**VI**	**03 05 59 05.3**±.43	**26.18N**±.078	**125.95E**±.073	**128**±6.3	**3.7b**	**29**	**1-84**
JMA	VI	03 05 59 05.2±.2	26.21N±.04	125.91E±.03	125			**¶97vi0391**
BJI	VI	03 05 59 07.9	26.18N	126.01E	154			
NEIC	VI	03 05 59 07.9	26.20N	125.88E	150			
EIDC	VI	03 05 59 10.7	26.2N	125.7E	160	3.6b		
NEIC	Less reliable solution.							
JMA	**VI**	**03 15 48 18.5**±.4	**25.55N**±.03	**124.01E**±.03	**131**			**¶97vi0482**
ISC	**VI**	**11 18 38 23**±3.6	**26.3N**±.40	**124.4E**±.30	**188**		**7**	**2-3**
JMA	VI	11 18 38 23.7±.6	26.27N±.06	124.39E±.06	188			**¶97vi1732**
ISC	**VI**	**15 02 32 21**±8.3	**25.0N**±.75	**124.0E**±.38	**72**		**4**	**1-1**
JMA	VI	15 02 32 20.9±.2	24.97N±.02	123.97E±.01	72±3			**¶97vi2218**
ISC	Poorly determined							
JMA	**VI**	**15 04 04 22.5**±.2	**25.13N**±.03	**124.56E**±.01	**90**			**¶97vi2234**
ISC	**VI**	**18 06 37 00**±2.5	**25.1N**±.23	**123.4E**±.24	**119**		**6**	**1-3**
JMA	VI	18 06 36 59.8±.3	25.09N±.03	123.35E±.02	119			**¶97vi2737**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**18 18 06 26**±1.6	**25.2N**±.22	**124.3E**±.18	**118**±8.5	**3.7b**	**9**	**1-59**
JMA	VI	18 18 06 26.6±.2	25.17N±.03	124.32E±.02	108			¶97vi2817
EIDC	VI	18 18 06 31.2	23.5N	127.8E	0	3.7b		
ISC	**VI**	**20 13 53 22**±2.3	**25.3N**±.24	**123.7E**±.21	**128**		**6**	**1-3**
JMA	VI	20 13 53 22.3±.2	25.28N±.03	123.74E±.02	128			¶97vi3072
JMA	**VI**	**23 11 31 02.4**±.5	**25.23N**±.04	**124.87E**±.02	**36**	**2.8**		¶97vi3519
ISC	**VI**	**23 17 21 25**±5.3	**25.1N**±.38	**123.6E**±.14	**3**		**4**	**1-1**
JMA	VI	23 17 21 25.8±.3	25.11N±.02	123.64E±.01	3	2.8		¶97vi3565
ISC	Poorly determined							
ISC	**VI**	**23 18 38 18**±3.0	**25.1N**±.21	**123.6E**±.12	**0**		**5**	**1-2**
JMA	VI	23 18 38 17.7±.2	25.16N±.01	123.63E±.01	0	3.2		¶97vi3574
ISC	**VI**	**23 19 57 39**±2.8	**25.22N**±.067	**123.56E**±.085	**15**±19	**3.9b,**3.0s	**19**	**1-72**
JMA	VI	23 19 57 40.5±.2	25.10N±.01	123.63E±.01	10	3.5		¶97vi3586
NEIC	VI	23 19 57 48.3	25.27N	123.66E	97			
EIDC	VI	23 19 57 50.7	25.3N	123.7E	105	3.5b,3.0s		
NEIC	Less reliable solution.							
JMA	**VI**	**23 22 10 19.2**±.7	**25.13N**±.04	**123.66E**±.02	**11**	**2.8**		¶97vi3598
JMA	**VI**	**24 12 29 44.7**±.4	**25.07N**±.02	**123.63E**±.02	**8**	**3.0**		¶97vi3710
ISC	**VI**	**25 19 54 59**±2.4	**26.3N**±.29	**124.7E**±.24	**180**		**10**	**2-3**
JMA	VI	25 19 55 00.1±.4	26.15N±.05	124.85E±.05	180			¶97vi4016
JMA	**VI**	**29 14 22 45.4**±.1	**25.40N**±.02	**123.91E**±.02	**85**±4			¶97vi4634

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ISC	**I**	**03 00 56 55.7**±.67	**24.05N**±.072	**123.61E**±.065	**46**±6.1	**4.0b,**3.8s	**39**	**0-84**
BJI	I	03 00 56 48.6	23.76N	124.24E	33	4.4b,4.0s		¶97i0295
NEIC	I	03 00 56 53.9	24.05N	123.75E	33	4.6b		
EIDC	I	03 00 56 56.0	24.1N	123.7E	34	3.8b,3.6L		
JMA	I	03 00 56 56.5±.3	24.00N±.03	123.58E±.01	26±2	4.3		
NEIC	Less reliable solution.							
ISC	**I**	**04 18 17 06**±6.4	**24.5N**±.54	**125.2E**±.38	**19**±38		**5**	**0-2**
JMA	I	04 18 17 05.4±.4	24.44N±.03	125.27E±.02	22±3	2.8		¶97i0569
ISC	Poorly determined							
JMA	**I**	**05 16 37 30.0**±.0	**24.77N**±.02	**125.39E**±.01	**51**±	**3.0**		¶97i0688
ISC	**I**	**06 00 58 56**±2.8	**24.7N**±.35	**123.9E**±.13	**62**±61		**7**	**0-3**
JMA	I	06 00 58 56.1±.1	24.69N±.02	123.92E±.01	62			¶97i0731
ISC	**I**	**07 08 25 52**±4.6	**24.4N**±.36	**123.4E**±.16	**55**±56		**5**	**0-1**
JMA	I	07 08 25 52.1±.1	24.38N±.01	123.45E±.00	55±1	3.8		¶97i0898
ISC	Poorly determined							
ISC	**I**	**07 21 39 52**±3.7	**24.5N**±.50	**125.1E**±.32	**34**		**4**	**0-1**
JMA	I	07 21 39 51.5±.2	24.42N±.02	125.11E±.02	34	3.0		¶97i0983
ISC	Poorly determined							
ISC	**I**	**08 21 51 54**±4.7	**24.0N**±.39	**123.3E**±.17	**13**		**5**	**0-1**
JMA	I	08 21 51 54.1±.6	23.96N±.04	123.31E±.02	13	2.8		¶97i1122
ISC	**I**	**10 05 39 23.5**±.76	**24.8N**±.13	**125.3E**±.12	**50**±9.6	**3.6b**	**13**	**0-81**
EIDC	I	10 05 39 20.1	24.7N	126.0E	0	3.7b,3.8L		¶97i1319
NEIC	I	10 05 39 21.0	24.87N	125.43E	33	3.6b		
JMA	I	10 05 39 24.0±.2	25.04N±.03	125.10E±.02	29	3.8		
NEIC	Less reliable solution.							
ISC	**I**	**10 19 44 52**±5.6	**24.1N**±.40	**124.9E**±.24	**18**		**4**	**1-1**
JMA	I	10 19 44 52.7±.2	24.16N±.02	124.88E±.01	18	3.1		¶97i1414
ISC	Poorly determined							
JMA	**I**	**11 23 01 46.1**±.2	**24.74N**±.06	**123.05E**±.02	**125**			¶97i1589
ISC	**I**	**13 09 15 26**±3.0	**24.0N**±.28	**123.6E**±.13	**28**±17		**5**	**0-1**
JMA	I	13 09 15 26.5±.2	24.06N±.02	123.59E±.01	29±2	2.8		¶97i1812
ISC	Poorly determined							
ISC	**I**	**14 20 33 03**±1.3	**25.4N**±.30	**125.5E**±.28	**63**		**5**	**1-2**
JMA	I	14 20 33 03.1±.2	25.42N±.03	125.43E±.03	63			¶97i2053
ISC	**I**	**15 00 04 31**±6.9	**24.6N**±.58	**125.3E**±.56	**21**		**4**	**0-1**
JMA	I	15 00 04 29.9±.2	24.57N±.03	125.31E±.01	21±4	3.1		¶97i2075
ISC	Poorly determined							
ISC	**I**	**15 05 27 20**±6.5	**24.5N**±.41	**125.2E**±.45	**14**		**4**	**0-1**
JMA	I	15 05 27 19.4±.2	24.47N±.01	125.27E±.01	14±3	2.9		¶97i2102
ISC	Poorly determined							
ISC	**I**	**15 18 26 00**±6.8	**23.9N**±.46	**123.3E**±.20	**7**±21		**5**	**1-1**
JMA	I	15 18 26 01.2±.5	23.95N±.03	123.30E±.02	12	3.2		¶97i2192
ISC	Poorly determined							
ISC	**I**	**15 21 57 13**±4.3	**24.7N**±.57	**125.4E**±.42	**19**±19		**7**	**0-2**
JMA	I	15 21 57 12.8±.3	24.77N±.05	125.37E±.03	23±2	3.3		¶97i2214
JMA	**I**	**16 03 13 16.3**±.2	**23.52N**±.01	**124.22E**±.01	**21**	**2.8**		¶97i2249
JMA	**I**	**17 00 39 08.4**±.1	**25.24N**±.01	**125.19E**±.01	**72**			¶97i2383
JMA	**I**	**17 12 39 47.7**±.1	**24.77N**±.05	**125.18E**±.02	**46**±1	**2.9**		¶97i2454
JMA	**I**	**17 18 28 34.7**±.1	**24.83N**±.05	**125.11E**±.02	**46**	**3.1**		¶97i2516
ISC	**I**	**18 01 31 42.4**±.58	**25.6N**±.24	**125.9E**±.18	**55**±23	3.2b	**14**	**1-80**
JMA	I	18 01 31 41.9±.1	25.60N±.03	125.88E±.02	73±4			¶97i2574
ISC	**I**	**20 11 40 47**±3.7	**24.8N**±.28	**123.1E**±.16	**20**		**5**	**0-1**
JMA	I	20 11 40 47.2±.4	24.72N±.03	123.17E±.02	20	3.1		¶97i2996
ISC	**I**	**22 20 43 01**±2.1	**24.1N**±.22	**123.4E**±.11	**19**		**5**	**0-1**
JMA	I	22 20 43 00.9±.1	24.13N±.01	123.43E±.00	19±2	3.2		¶97i3381
ISC	**I**	**23 05 14 14**±3.7	**24.8N**±.28	**123.1E**±.16	**19**		**5**	**0-1**
JMA	I	23 05 14 14.8±.5	24.74N±.04	123.17E±.02	19	3.0		¶97i3439
ISC	**I**	**24 10 25 44**±1.7	**24.4N**±.47	**123.1E**±.20	**54**		**4**	**0-1**
JMA	I	24 10 25 43.8±.3	24.39N±.03	123.13E±.02	54±3	3.1		¶97i3633
ISC	Poorly determined							
ISC	**I**	**25 21 56 56**±3.5	**24.6N**±.44	**125.2E**±.31	**20**		**5**	**0-2**
JMA	I	25 21 56 55.5±.3	24.58N±.02	125.28E±.02	20	2.9		¶97i3853
ISC	**I**	**26 19 56 32**±12	**23.4N**±.94	**124.0E**±.25	**45**		**5**	**1-1**
JMA	I	26 19 56 29.9±.4	23.27N±.02	124.01E±.02	45	3.3		¶97i3991
ISC	**I**	**29 06 21 37**±2.8	**24.0N**±.22	**123.7E**±.12	**10**±15		**5**	**0-1**
JMA	I	29 06 21 37.3±.1	23.99N±.01	123.71E±.00	11±1	2.9		¶97i4309
ISC	Poorly determined							
ISC	**I**	**29 15 06 50**±6.6	**24.2N**±.32	**125.2E**±.34	**0**		**4**	**1-1**
JMA	I	29 15 06 51.2±.5	24.26N±.02	125.20E±.02	0	2.9		¶97i4369
ISC	Poorly determined							
ISC	**I**	**30 17 29 47**±1.7	**24.2N**±.19	**123.47E**±.099	**18**		**5**	**0-1**
JMA	I	30 17 29 46.8±.1	24.20N±.01	123.46E±.01	18±2	3.2		¶97i4517
ISC	**I**	**31 01 58 41**±2.1	**24.5N**±.40	**123.1E**±.17	**24**±33		**5**	**0-1**
JMA	I	31 01 58 39.8±.2	24.48N±.04	123.01E±.02	45	3.3		¶97i4577
TAP	I	31 01 58 40.2	24.32N	122.78E	23	3.3L		
ISC	Poorly determined							
ISC	**I**	**31 13 38 15**±9.0	**23.8N**±.80	**123.4E**±.23	**38**		**4**	**0-1**
JMA	I	31 13 38 14.4±.4	23.72N±.03	123.37E±.01	38	2.9		¶97i4634
ISC	Poorly determined							
ISC	**I**	**31 21 39 39**±4.7	**24.0N**±.39	**123.4E**±.15	**15**		**5**	**0-1**
JMA	I	31 21 39 37.1±.8	23.81N±.05	123.34E±.02	15	3.4		¶97i4684
ISC	**II**	**01 07 10 50**±2.2	**24.0N**±.21	**123.6E**±.10	**16**±15	3.5b	**7**	**0-82**
JMA	II	01 07 10 49.4±.4	24.00N±.03	123.57E±.01	24±3	3.9		¶97ii0039
ISC	**II**	**01 09 27 19**±2.7	**24.0N**±.26	**123.6E**±.11	**24**		**5**	**0-1**
JMA	II	01 09 27 18.8±.4	24.00N±.04	123.57E±.01	24±3	3.2		¶97ii0050
ISC	**II**	**04 17 59 23**±3.9	**24.8N**±.27	**123.2E**±.14	**3**		**5**	**0-1**
JMA	II	04 17 59 23.3±.5	24.83N±.03	123.21E±.02	3	3.2		¶97ii0574
ISC	**II**	**04 18 00 30**±5.9	**24.8N**±.37	**123.2E**±.16	**4**±31		**5**	**0-1**
JMA	II	04 18 00 30.5±.2	24.81N±.01	123.19E±.01	13±4	3.5		¶97ii0575
TAP	II	04 18 00 34.5	24.91N	122.80E	7	3.2L		
ISC	Poorly determined							
ISC	**II**	**04 18 03 38**±8.5	**24.8N**±.65	**123.2E**±.20	**12**		**4**	**0-1**
JMA	II	04 18 03 38.1±.8	24.76N±.06	123.22E±.02	12	3.0		¶97ii0576
TAP	II	04 18 03 45.0	24.31N	122.81E	15	3.0L		
ISC	Poorly determined							
ISC	**II**	**04 18 45 46.0**±.70	**24.85N**±.073	**123.25E**±.094	**13**	**3.4b**	**13**	**0-82**
JMA	II	04 18 45 45.7±.5	24.84N±.03	123.22E±.02	13	3.5		¶97ii0583
EIDC	II	04 18 46 03.5	25.0N	123.3E	149	3.0b		
NEIC	II	04 18 46 05.0	25.08N	123.27E	180			
NEIC	Single network solution.							
ISC	**II**	**05 07 46 28**±4.9	**24.9N**±.31	**123.3E**±.16	**10**±30		**5**	**1-1**
JMA	II	05 07 46 28.4±.2	24.89N±.01	123.29E±.01	8±4	3.2		¶97ii0651
ISC	Poorly determined							
ISC	**II**	**05 15 03 48**±9.6	**24.9N**±.70	**123.3E**±.17	**18**		**4**	**1-1**
JMA	II	05 15 03 48.3±.2	24.91N±.02	123.27E±.01	18±5	3.0		¶97ii0709
ISC	Poorly determined							
ISC	**II**	**05 15 51 43**±1.3	**25.3N**±.23	**125.6E**±.24	**18**		**5**	**1-2**
JMA	II	05 15 51 42.9±.2	25.33N±.03	125.47E±.03	18	3.3		¶97ii0713
ISC	**II**	**06 11 00 35**±3.5	**24.7N**±.38	**124.0E**±.14	**64**±64		**6**	**0-1**
JMA	II	06 11 00 34.4±.1	24.76N±.02	123.95E±.01	63±3			¶97ii0826
ISC	**II**	**07 03 11 16**±5.1	**24.6N**±.57	**125.2E**±.45	**28**		**4**	**0-1**
JMA	II	07 03 11 15.0±.2	24.51N±.03	125.28E±.01	28±3	2.8		¶97ii0934
ISC	Poorly determined							
JMA	**II**	**07 07 52 34.1**±.1	**24.45N**±.02	**124.42E**±.01	**44**±1	**2.9**		¶97ii0962
ISC	**II**	**07 16 56 00**±3.0	**24.0N**±.27	**123.6E**±.12	**19**±23		**5**	**0-1**
JMA	II	07 16 56 00.2±.5	23.99N±.04	123.57E±.02	25±4	2.9		¶97ii1013
ISC	Poorly determined							
ISC	**II**	**08 15 24 05**±1.2	**24.88N**±.090	**123.30E**±.097	**0**	**3.6b**	**9**	**1-82**
EIDC	II	08 15 24 09.8	25.5N	125.1E	0	3.5b		¶97ii1162
JMA	II	08 15 24 09.9±.6	24.53N±.07	123.29E±.02	0	3.3		
ISC	**II**	**08 15 30 41**±2.2	**24.6N**±.47	**123.3E**±.17	**39**±38	3.2b	**5**	**0-82**
JMA	II	08 15 30 39.5±.2	24.69N±.02	123.23E±.01	53±2	3.1		¶97ii1165
ISC	Poorly determined							
ISC	**II**	**09 06 09 05**±3.7	**24.1N**±.35	**123.3E**±.17	**24**		**5**	**0-1**
JMA	II	09 06 09 04.7±.3	24.06N±.03	123.29E±.01	24	2.9		¶97ii1268
ISC	Poorly determined							
ISC	**II**	**10 12 47 28**±1.4	**24.4N**±.17	**123.74E**±.092	**11**±13	3.4b	**6**	**0-82**
JMA	II	10 12 47 28.5±.1	24.42N±.01	123.75E±.01	3±2	3.3		¶97ii1462
ISC	**II**	**10 22 27 28**±1.9	**24.4N**±.14	**123.75E**±.098	**3**		**4**	**0-1**
JMA	II	10 22 27 28.3±.1	24.42N±.01	123.76E±.01	3±1	2.9		¶97ii1536
ISC	Poorly determined							
ISC	**II**	**10 23 09 49**±5.7	**23.9N**±.48	**123.4E**±.19	**29**		**4**	**0-1**
JMA	II	10 23 09 48.5±.5	23.84N±.04	123.40E±.01	29	3.1		¶97ii1547
ISC	Poorly determined							
ISC	**II**	**11 03 40 53**±1.6	**24.5N**±.18	**123.74E**±.096	**5**±28		**5**	**0-1**
JMA	II	11 03 40 53.1±.1	24.42N±.01	123.75E±.01	4±1	3.1		¶97ii1578
ISC	Poorly determined							
ISC	**II**	**11 11 48 35**±1.0	**24.2N**±.10	**123.28E**±.092	**30**±7.7	**3.7b**	**13**	**0-82**
EIDC	II	11 11 48 32.9	24.4N	124.1E	0	3.7b		¶97ii1624
JMA	II	11 11 48 35.6±.3	24.15N±.03	123.32E±.01	24±2	4.2		
NEIC	II	11 11 48 36.6	24.31N	124.08E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**11 14 44 30.1**±.83	**24.38N**±.098	**123.73E**±.080	**16**±7.1	**3.8b**	**10**	**0-82**
EIDC	II	11 14 44 28.0	24.4N	123.4E	0	3.7b		¶97ii1638
JMA	II	11 14 44 30.6±.1	24.41N±.01	123.75E±.00	6±1	3.4		
ISC	**II**	**11 15 17 06.7**±.66	**24.42N**±.054	**123.76E**±.061	**18**±5.6	**4.1b**	**27**	**0-84**
EIDC	II	11 15 17 05.7	24.4N	124.0E	0	4.0b		¶97ii1641
JMA	II	11 15 17 07.2±.1	24.41N±.01	123.74E±.00	4±1	4.3		
BJI	II	11 15 17 07.4	24.29N	123.57E	20	3.5L,4.0b		
NEIC	II	11 15 17 08.5	24.49N	123.99E	33	4.3b		
JMA	Felt I=IV J1							
BJI	Ms4.2							
ISC	**II**	**11 21 51 16**±1.1	**24.4N**±.11	**123.72E**±.073	**4**		**6**	**0-1**
JMA	II	11 21 51 15.8±.1	24.41N±.01	123.73E±.01	4±2	3.5		¶97ii1677
ISC	**II**	**13 11 07 45**±4.2	**25.0N**±.29	**123.5E**±.21	**122**±55		**7**	**1-3**
JMA	II	13 11 07 46.3±.2	25.03N±.03	123.55E±.01	109±4			¶97ii1906
ISC	**II**	**15 20 12 05**±1.6	**24.4N**±.18	**123.74E**±.099	**8**±16		**5**	**0-1**
JMA	II	15 20 12 05.7±.1	24.41N±.01	123.74E±.00	6±1	3.0		¶97ii2286
ISC	Poorly determined							
ISC	**II**	**15 20 55 09.6**±.79	**24.33N**±.060	**125.22E**±.053	**43**±6.8	**4.4b,3.7s**	**63**	**0-91**
JMA	II	15 20 55 06.6±.4	24.10N±.03	125.38E±.02	31	4.1		¶97ii2293
BJI	II	15 20 55 08.2	24.17N	125.35E	40	4.4b,4.2s		
NEIC	II	15 20 55 08.4	24.31N	125.32E	33	4.5b,3.7s		
MOS	II	15 20 55 09.8	24.2N	125.2E	33	4.9b		
EIDC	II	15 20 55 10.0	24.3N	125.2E	33	4.1b,3.5s		
ISC	**II**	**16 00 50 45**±15	**23.4N**±.70	**124.6E**±.86	**15**		**4**	**1-2**
JMA	II	16 00 50 43.8±.3	23.28N±.01	124.58E±.02	15	3.0		¶97ii2318
ISC	Poorly determined							
ISC	**II**	**16 23 23 10.2**±.48	**25.31N**±.072	**125.64E**±.069	**78**±6.7	**3.7b**	**25**	**1-84**
BJI	II	16 23 23 09.0	25.22N	125.80E	95			¶97ii2434
JMA	II	16 23 23 09.2±.2	25.15N±.06	125.67E±.05	96	3.9		
NEIC	II	16 23 23 09.8	25.28N	125.66E	74	4.9b		
EIDC	II	16 23 23 12.2	25.3N	125.5E	77	3.4b		
NEIC	Less reliable solution.							
ISC	**II**	**17 18 13 14**±1.4	**25.5N**±.34	**125.8E**±.36	**7**		**5**	**1-2**
JMA	II	17 18 13 13.4±.5	25.62N±.03	125.59E±.04	7±5	3.0		¶97ii2523
ISC	Poorly determined							
ISC	**II**	**17 20 30 21**±3.8	**24.3N**±.40	**125.2E**±.25	**42**		**6**	**0-2**
JMA	II	17 20 30 20.8±.5	24.32N±.04	125.23E±.03	42	3.5		¶97ii2540
ISC	**II**	**18 01 57 02**±6.9	**24.0N**±.39	**123.0E**±.33	**2**		**5**	**0-2**
TAP	II	18 01 56 59.7	23.89N	122.69E	13	3.2L		¶97ii2587
JMA	II	18 01 56 59.9±.6	23.89N±.03	122.89E±.03	2	3.6		
JMA	**II**	**18 04 26 57.5**±.3	**24.82N**±.02	**124.29E**±.01	**0**	**3.0**		¶97ii2600
ISC	**II**	**18 14 45 38**±5.1	**25.5N**±.31	**125.7E**±.31	**28**±50	3.2b	**6**	**1-80**
JMA	II	18 14 45 36.5±.2	25.29N±.07	125.92E±.07	83			¶97ii2655
JMA	**II**	**18 14 50 03.2**±.2	**25.22N**±.04	**125.99E**±.04	**84**			¶97ii2658
ISC	**II**	**19 20 32 17**±1.7	**25.6N**±.25	**125.6E**±.29	**2**		**4**	**1-2**
JMA	II	19 20 32 17.2±.3	25.65N±.02	125.54E±.03	2±3	2.9		¶97ii2834
ISC	Poorly determined							
ISC	**II**	**19 22 26 05**±6.3	**24.2N**±.32	**125.2E**±.32	**0**		**4**	**1-1**
JMA	II	19 22 26 05.6±.5	24.27N±.02	125.20E±.02	0	2.9		¶97ii2845
ISC	Poorly determined							
ISC	**II**	**19 22 49 20**±4.7	**24.6N**±.47	**125.2E**±.36	**19**		**4**	**0-1**
JMA	II	19 22 49 20.2±.1	24.56N±.02	125.16E±.01	19±3	2.8		¶97ii2848
ISC	Poorly determined							

ISC	**II**	**21 15 29 39**±1.6	**24.3N**±.33	**123.2E**±.15	**51**		**5**	**0-1**
JMA	II	21 15 29 38.7±.2	24.33N±.02	123.21E±.01	51±3	3.2		**¶97ii3093**
ISC	**II**	**21 19 51 28**±2.9	**24.3N**±.22	**125.0E**±.18	**15**		**5**	**0-1**
JMA	II	21 19 51 27.2±.4	24.29N±.02	125.06E±.02	15	3.6		**¶97ii3112**
ISC	**II**	**22 19 02 31**±1.5	**24.4N**±.13	**125.3E**±.14	**46**±11	**3.5b**	**14**	**0-81**
JMA	II	22 19 02 30.6±.3	24.29N±.02	125.22E±.02	18	3.5		**¶97ii3233**
EIDC	II	22 19 02 40.9	24.3N	125.1E	125	3.2b		
ISC	**II**	**24 22 45 51**±3.8	**24.9N**±.56	**123.1E**±.28	**132**		**5**	**0-1**
JMA	II	24 22 45 51.0±.3	24.94N±.05	123.11E±.02	132±4			**¶97ii3547**
ISC	**II**	**25 06 43 44**±1.6	**24.6N**±.15	**124.24E**±.088	**4**		**5**	**0-1**
JMA	II	25 06 43 44.2±.3	24.63N±.03	124.23E±.01	4±5	2.8		**¶97ii3595**
ISC	**II**	**25 14 22 58**±1.5	**25.7N**±.31	**125.7E**±.30	**64**		**5**	**1-2**
JMA	II	25 14 22 58.0±.3	25.72N±.05	125.61E±.05	64			**¶97ii3637**
ISC	**II**	**25 16 02 43.4**±.56	**25.53N**±.073	**125.72E**±.067	**40**±10	**3.7b**	**23**	**1-80**
EIDC	II	25 16 02 40.3	25.4N	126.5E	0	3.6b,3.2L		**¶97ii3657**
JMA	II	25 16 02 41.1±.2	25.80N±.02	125.51E±.02	28	3.7		
BJI	II	25 16 02 41.7	25.29N	126.14E	58	3.7L,4.3b		
NEIC	II	25 16 02 42.6	25.47N	125.79E	33			
BJI	Ms3.5							
NEIC	Less reliable solution.							
ISC	**II**	**27 06 34 15**±5.0	**24.0N**±.35	**123.4E**±.16	**11**±19		**5**	**0-1**
JMA	II	27 06 34 13.9±.5	23.89N±.04	123.37E±.01	9±5	2.9		**¶97ii3910**
ISC	Poorly determined							
JMA	**II**	**28 17 23 37.5**±.1	**23.48N**±.02	**125.34E**±.01	**68**±4			**¶97ii4301**
ISC	**III**	**01 03 26 29**±1.9	**24.5N**±.34	**123.1E**±.15	**51**		**5**	**0-1**
JMA	III	01 03 26 29.3±.4	24.54N±.05	123.11E±.03	51±4	3.0		**¶97iii0030**
ISC	**III**	**01 03 51 37**±1.9	**24.6N**±.40	**124.0E**±.14	**59**		**4**	**0-1**
JMA	III	01 03 51 37.4±.1	24.60N±.04	123.99E±.01	59±3	2.8		**¶97iii0037**
ISC	Poorly determined							
ISC	**III**	**01 03 56 05**±1.5	**24.5N**±.42	**124.0E**±.14	**61**		**4**	**0-1**
JMA	III	01 03 56 04.8±.1	24.53N±.04	123.98E±.01	61±2	2.5		**¶97iii0038**
ISC	Poorly determined							
ISC	**III**	**01 23 13 47**±1.5	**25.7N**±.31	**125.6E**±.29	**72**	3.5b	**6**	**1-80**
JMA	III	01 23 13 46.5±.1	25.67N±.02	125.63E±.02	72			**¶97iii0210**
EIDC	**III**	**04 08 54 50.7**	**24.1N**	**125.4E**	**0**	**3.8b**		**25-58**
								¶97iii0815
ISC	**III**	**04 10 29 46**±5.4	**24.3N**±.30	**125.2E**±.28	**7**		**4**	**1-1**
JMA	III	04 10 29 46.1±.4	24.27N±.02	125.17E±.02	7±5	2.9		**¶97iii0829**
ISC	Poorly determined							
ISC	**III**	**05 04 23 36**±1.5	**24.4N**±.17	**123.74E**±.098	**7**±15		**5**	**0-1**
JMA	III	05 04 23 36.7±.0	24.40N±.01	123.75E±.00	5±1	3.1		**¶97iii0979**
ISC	Poorly determined							
ISC	**III**	**05 22 01 39**±7.2	**24.5N**±.46	**125.3E**±.51	**21**		**4**	**0-1**
JMA	III	05 22 01 38.1±.2	24.49N±.02	125.33E±.01	21±3	2.8		**¶97iii1137**
ISC	Poorly determined							
ISC	**III**	**09 11 32 21**±3.3	**24.1N**±.29	**123.3E**±.15	**12**±16		**5**	**0-1**
JMA	III	09 11 32 21.1±.2	24.12N±.02	123.32E±.01	18±2	3.0		**¶97iii1946**
ISC	Poorly determined							
ISC	**III**	**10 14 19 55**±2.5	**24.2N**±.48	**123.3E**±.22	**69**		**4**	**0-1**
JMA	III	10 14 19 55.3±.1	24.16N±.01	123.33E±.00	69±1			**¶97iii2229**
ISC	Poorly determined							
ISC	**III**	**14 01 35 36**±4.2	**24.0N**±.44	**123.5E**±.17	**40**		**4**	**0-1**
JMA	III	14 01 35 36.0±.1	23.96N±.01	123.46E±.00	40±1	2.8		**¶97iii2791**
ISC	Poorly determined							
ISC	**III**	**16 08 02 02**±9.9	**25.1N**±.66	**125.3E**±.43	**21**		**5**	**0-2**
JMA	III	16 08 02 02.5±.8	25.01N±.06	125.24E±.03	21	3.4		**¶97iii3194**
ISC	**III**	**17 12 02 18**±8.5	**24.6N**±.42	**125.6E**±.38	**2**±46		**5**	**0-2**
JMA	III	17 12 02 19.5±.2	24.76N±.02	125.49E±.02	16±1	3.0		**¶97iii3376**
ISC	Poorly determined							
ISC	**III**	**20 16 21 39**±3.1	**23.9N**±.21	**125.7E**±.18	**6**		**7**	**1-3**
JMA	III	20 16 21 36.5±.3	23.80N±.02	125.76E±.02	6	3.1		**¶97iii3920**
ISC	**III**	**21 05 33 06**±12	**23.1N**±.85	**124.1E**±.28	**44**		**5**	**1-2**
JMA	III	21 05 33 02.6±.3	22.89N±.02	124.12E±.02	44	3.4		**¶97iii4001**
JMA	**III**	**22 04 29 26.7**±.6	**23.06N**±.04	**124.18E**±.04	**47**	**3.0**		**¶97iii4199**
JMA	**III**	**23 04 00 22.0**±.0	**24.43N**±.00	**123.48E**±.00	**23**±	**2.9**		**¶97iii4384**
ISC	**III**	**25 14 52 42**±1.2	**24.4N**±.18	**123.48E**±.088	**17**±24		**6**	**0-2**
JMA	III	25 14 52 42.4±.1	24.37N±.01	123.48E±.01	16±2	3.2		**¶97iii4748**
JMA	**III**	**25 16 30 00.5**±.5	**24.79N**±.03	**123.17E**±.01	**10**	**2.8**		**¶97iii4759**
ISC	**III**	**25 20 07 57.8**±.97	**24.68N**±.090	**123.22E**±.082	**26**±10	**3.8b**	**17**	**0-49**
EIDC	III	25 20 07 54.0	24.5N	121.6E	0	3.6b		**¶97iii4778**
JMA	III	25 20 07 56.0±.6	24.83N±.04	123.19E±.02	22	3.7		
BJI	III	25 20 07 57.5	24.38N	122.85E	39	3.4L,4.3b		
NEIC	III	25 20 07 57.7	24.55N	122.11E	33	4.3b		
BJI	Ms3.9							
NEIC	Less reliable solution.							
ISC	**III**	**25 20 17 51**±3.8	**24.8N**±.28	**123.2E**±.16	**14**		**5**	**0-1**
JMA	III	25 20 17 50.7±.4	24.84N±.03	123.17E±.02	14	3.4		**¶97iii4780**
TAP	III	25 20 17 58.7	24.58N	122.60E	16	3.2L		
ISC	**III**	**25 20 33 36**±4.0	**24.7N**±.51	**123.2E**±.15	**24**±46		**5**	**0-1**
JMA	III	25 20 33 35.9±.4	24.75N±.03	123.19E±.02	19	2.9		**¶97iii4783**
ISC	Poorly determined							
ISC	**III**	**25 20 36 59**±9.2	**24.8N**±.69	**123.2E**±.22	**19**		**4**	**0-1**
JMA	III	25 20 37 00.3±.7	24.75N±.05	123.20E±.02	19	3.1		**¶97iii4784**
ISC	Poorly determined							
ISC	**III**	**25 20 53 56**±4.2	**24.9N**±.28	**123.2E**±.17	**11**		**5**	**0-1**
JMA	III	25 20 53 56.3±.9	24.85N±.06	123.20E±.03	11	3.0		**¶97iii4787**
ISC	**III**	**25 20 55 27**±9.6	**24.8N**±.71	**123.2E**±.23	**14**		**4**	**0-1**
JMA	III	25 20 55 28.1±.6	24.76N±.04	123.21E±.02	14	3.0		**¶97iii4788**
ISC	Poorly determined							
ISC	**III**	**25 20 57 38**±3.9	**24.8N**±.28	**123.1E**±.17	**21**		**5**	**0-1**
JMA	III	25 20 57 38.0±.4	24.82N±.03	123.15E±.02	21	3.1		**¶97iii4789**
JMA	**III**	**25 20 58 34.0**±.4	**24.76N**±.03	**123.15E**±.01	**18**	**2.8**		**¶97iii4790**
ISC	**III**	**25 21 05 57**±1.2	**24.77N**±.066	**123.17E**±.071	**15**±11	**3.8b**,4.2s	**22**	**0-72**
JMA	III	25 21 05 55.6±.5	24.84N±.03	123.18E±.02	11	4.2		**¶97iii4791**
BJI	III	25 21 06 05.9	24.83N	123.21E	102	4.3b		
NEIC	III	25 21 06 06.0	24.72N	123.00E	100	4.2b		
EIDC	III	25 21 06 10.0	24.8N	123.0E	125	3.3b,3.7L		
NEIC	Less reliable solution.							
ISC	**III**	**25 21 10 15**±3.8	**24.8N**±.28	**123.2E**±.17	**22**		**5**	**0-1**
JMA	III	25 21 10 15.1±.5	24.79N±.04	123.17E±.02	22	3.2		**¶97iii4792**
ISC	**III**	**25 21 19 42**±10	**24.8N**±.73	**123.1E**±.26	**14**		**4**	**0-1**
JMA	III	25 21 19 42.7±.4	24.76N±.03	123.17E±.01	14	2.8		**¶97iii4795**
ISC	Poorly determined							
ISC	**III**	**25 21 56 37.5**±.96	**24.87N**±.092	**123.5E**±.17	**21**	**3.8b**	**11**	**1-49**
JMA	III	25 21 56 33.6±.5	24.86N±.03	123.18E±.02	21	3.6		**¶97iii4801**
EIDC	III	25 21 56 35.4	24.7N	121.7E	0	3.7b,3.6L		
NEIC	III	25 21 56 38.7	24.76N	121.97E	33	4.0b		
NEIC	Poor solution.							
JMA	**III**	**25 22 15 34.2**±.4	**24.77N**±.03	**123.15E**±.02	**25**±5	**2.8**		**¶97iii4804**
ISC	**III**	**25 23 30 08**±4.0	**24.9N**±.28	**123.2E**±.17	**21**		**5**	**0-1**
JMA	III	25 23 30 07.5±.5	24.86N±.04	123.16E±.02	21	3.4		**¶97iii4813**
ISC	**III**	**27 11 59 21**±3.4	**24.8N**±.26	**123.2E**±.14	**14**		**5**	**0-1**
JMA	III	27 11 59 21.3±.4	24.82N±.03	123.24E±.02	14	3.4		**¶97iii5216**
ISC	**III**	**27 12 02 08**±10	**24.8N**±.73	**123.2E**±.23	**20**		**4**	**0-1**
JMA	III	27 12 02 08.6±.3	24.78N±.02	123.19E±.01	20	2.8		**¶97iii5217**
ISC	Poorly determined							
ISC	**III**	**27 17 45 05**±3.9	**24.8N**±.28	**123.2E**±.17	**21**		**5**	**0-1**
JMA	III	27 17 45 05.6±.5	24.84N±.03	123.18E±.02	21	3.3		**¶97iii5273**
ISC	**III**	**27 18 04 00**±14	**24.9N**±.90	**123.2E**±.35	**12**		**4**	**0-1**
JMA	III	27 18 04 01.3±.5	24.81N±.03	123.21E±.01	12	3.1		**¶97iii5278**
ISC	Poorly determined							
ISC	**III**	**27 18 54 33**±3.7	**24.8N**±.34	**123.2E**±.17	**36**±16	3.2b	**7**	**0-49**
JMA	III	27 18 54 33.0±.7	24.86N±.04	123.23E±.02	18	3.4		**¶97iii5286**
EIDC	III	27 18 55 25.3	18.8N	125.9E	27	3.2b		
ISC	**III**	**27 21 04 18**±14	**24.9N**±.93	**123.2E**±.33	**10**		**4**	**1-1**
JMA	III	27 21 04 20.1±.4	24.83N±.03	123.23E±.01	10	2.8		**¶97iii5309**
ISC	Poorly determined							
ISC	**III**	**27 23 29 36**±1.5	**24.9N**±.12	**123.2E**±.11	**16**	**3.4b**	**8**	**0-82**
JMA	III	27 23 29 37.2±.3	24.80N±.02	123.25E±.01	16	3.3		**¶97iii5332**
EIDC	III	27 23 29 39.9	25.3N	125.0E	0	3.2b		
JMA	**III**	**28 14 36 34.7**±.1	**23.26N**±.02	**123.48E**±.01	**70**±4			**¶97iii5450**
JMA	**IV**	**01 17 16 24.7**±.2	**24.86N**±.03	**124.21E**±.02	**102**			**¶97iv0115**
JMA	**IV**	**04 12 05 20.0**±.3	**23.23N**±.02	**123.16E**±.02	**61**			**¶97iv0610**
ISC	**IV**	**05 03 05 14**±3.0	**24.0N**±.29	**124.3E**±.14	**26**±17		**6**	**0-1**
JMA	IV	05 03 05 12.5±.6	23.92N±.05	124.31E±.02	30	3.3		**¶97iv0682**
ISC	**IV**	**07 09 19 54**±9.9	**23.9N**±.92	**123.4E**±.29	**14**		**4**	**0-1**
JMA	IV	07 09 19 53.1±.4	23.81N±.03	123.35E±.01	14±3	3.2		**¶97iv1134**
ISC	Poorly determined							
ISC	**IV**	**07 21 37 52**±2.9	**24.7N**±.46	**123.2E**±.20	**84**		**5**	**0-1**
JMA	IV	07 21 37 52.3±.2	24.70N±.03	123.16E±.01	84±3			**¶97iv1234**
ISC	**IV**	**10 03 54 56**±4.5	**24.6N**±.55	**125.2E**±.40	**31**		**4**	**0-1**
JMA	IV	10 03 54 54.8±.2	24.47N±.01	125.23E±.01	31	3.0		**¶97iv1624**
ISC	Poorly determined							
JMA	**IV**	**11 08 29 38.2**±.2	**24.64N**±.07	**123.10E**±.02	**129**			**¶97iv1842**
JMA	**IV**	**13 04 57 41.2**±.2	**24.47N**±.01	**125.43E**±.01	**14**±3	**2.9**		**¶97iv2192**
ISC	**IV**	**13 11 04 09.3**±.98	**24.5N**±.25	**124.3E**±.12	**41**		**6**	**0-1**
JMA	IV	13 11 04 09.2±.1	24.57N±.02	124.31E±.01	41±2	3.2		**¶97iv2228**
ISC	**IV**	**19 05 20 34**±1.7	**24.6N**±.26	**123.9E**±.13	**62**		**5**	**0-1**
JMA	IV	19 05 20 33.6±.2	24.63N±.02	123.88E±.01	62±3			**¶97iv3160**
JMA	**IV**	**19 07 11 57.1**±.2	**24.91N**±.01	**124.05E**±.01	**9**	**2.8**		**¶97iv3169**
ISC	**IV**	**19 09 12 54**±2.1	**24.7N**±.27	**124.0E**±.14	**59**		**5**	**0-1**
JMA	IV	19 09 12 53.7±.2	24.75N±.02	124.04E±.01	59±3	3.1		**¶97iv3182**
ISC	**IV**	**20 11 13 53**±4.5	**24.7N**±.33	**123.5E**±.11	**6**		**4**	**0-1**
JMA	IV	20 11 13 53.6±.2	24.70N±.01	123.52E±.01	6	3.0		**¶97iv3301**
ISC	Poorly determined							
JMA	**IV**	**22 15 35 17.5**±.1	**24.87N**±.03	**123.39E**±.02	**191**			**¶97iv3773**
ISC	**IV**	**24 16 39 21.0**±.32	**25.76N**±.023	**125.89E**±.030	**89**±3.4	**4.9b**	**254**	**1-168**
BJI	IV	24 16 39 18.4	25.62N	126.09E	88	4.6b,4.7s		**¶97iv4176**
JMA	IV	24 16 39 20.2±.1	25.86N±.03	125.77E±.03	94	4.9		
HRVD	IV	24 16 39 20.7±.7	25.52N±.10	125.43E±.14	95±9.4			
NEIC	IV	24 16 39 22.3	25.76N	125.73E	88	5.1b		
EIDC	IV	24 16 39 22.7	25.8N	125.8E	93	4.6b,3.4s		
MOS	IV	24 16 39 24.6	25.9N	125.8E	126	4.9b		
TAP	IV	24 16 39 51.3	23.96N	122.27E	16	4.2L		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c21; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.75±.43; $M_{\theta\theta}$−2.28±.50; $M_{\phi\phi}$0.53±.66; $M_{r\theta}$−4.43±.38; $M_{r\phi}$2.44±.42; $M_{\theta\phi}$1.05±.63. Principal Axes: T 5.14,Plg56°,Azm217°; N 0.77, Plg6°,Azm118°; P −5.91,Plg33°,Azm24°. Best double couple: $M_0$5.5×10^{16}Nm, NP1:ϕ_s89°, δ13°,λ61°. NP2:ϕ_s299°,δ79°,λ97°.

NEIC	Mw5.1(HRV).							
ISC	**IV**	**25 05 20 18**±1.9	**24.6N**±.21	**123.40E**±.089	**17**		**5**	**0-1**
JMA	IV	25 05 20 17.8±.1	24.60N±.01	123.40E±.00	17±3	3.4		**¶97iv4290**
ISC	**IV**	**26 07 05 19**±2.2	**25.2N**±.39	**125.4E**±.29	**24**±35		**6**	**0-2**
JMA	IV	26 07 05 18.2±.4	24.87N±.06	125.68E±.05	47	3.2		**¶97iv4483**
ISC	**IV**	**26 09 03 48**±2.5	**24.2N**±.23	**124.2E**±.16	**19**±21		**5**	**0-1**
JMA	IV	26 09 03 47.9±.1	24.19N±.01	124.24E±.01	18±2	3.0		**¶97iv4508**
ISC	Poorly determined							
ISC	**IV**	**27 04 07 53**±3.0	**24.4N**±.24	**125.1E**±.22	**25**		**6**	**0-2**
JMA	IV	27 04 07 52.1±.6	24.32N±.04	125.18E±.04	25	3.5		**¶97iv4659**
JMA	**IV**	**28 18 12 21.2**±.3	**23.56N**±.02	**123.16E**±.01	**60**	**3.1**		**¶97iv4967**
ISC	**IV**	**29 08 43 07**±4.7	**24.1N**±.42	**123.2E**±.22	**27**		**4**	**0-1**
JMA	IV	29 08 43 07.4±.1	24.08N±.01	123.24E±.01	27±3	2.8		**¶97iv5048**
ISC	Poorly determined							
ISC	**IV**	**30 21 19 19**±3.6	**24.1N**±.26	**125.9E**±.21	**20**		**6**	**1-3**
JMA	IV	30 21 19 16.1±.4	23.96N±.03	126.02E±.03	20	3.3		**¶97iv5267**
JMA	**V**	**02 02 07 17.1**±.3	**24.79N**±.03	**125.83E**±.02	**36**±2	**3.5**		**¶97v0194**
ISC	**V**	**02 16 06 49**±4.5	**25.1N**±.92	**125.8E**±.84	**55**		**5**	**1-2**
JMA	V	02 16 06 49.2±.2	25.09N±.03	125.80E±.03	55±2	3.1		**¶97v0295**
ISC	**V**	**05 14 06 12**±6.3	**24.0N**±.73	**125.3E**±.42	**74**±51		**7**	**1-3**
JMA	V	05 14 06 12.3±.2	24.04N±.03	125.28E±.02	75±4			**¶97v0795**
ISC	**V**	**06 13 01 36**±6.8	**24.0N**±.50	**123.2E**±.27	**10**		**5**	**1-1**
JMA	V	06 13 01 34.6±.6	23.88N±.03	123.17E±.02	10	3.2		**¶97v0965**
ISC	**V**	**06 22 46 03**±3.6	**24.7N**±.96	**125.1E**±.52	**14**		**4**	**0-1**
JMA	V	06 22 46 02.4±.2	24.61N±.02	125.21E±.01	14±2	3.0		**¶97v1021**
ISC	Poorly determined							
ISC	**V**	**08 03 20 42**±2.9	**24.7N**±.39	**123.1E**±.20	**75**		**5**	**0-1**
JMA	V	08 03 20 42.2±.2	24.70N±.03	123.10E±.01	75±3			**¶97v1173**
ISC	**V**	**08 08 11 19.9**±.96	**24.3N**±.14	**124.00E**±.078	**14**±10		**6**	**0-1**
JMA	V	08 08 11 20.1±.1	24.34N±.01	124.00E±.01	15±1	3.1		**¶97v1205**
ISC	**V**	**09 11 17 39**±1.4	**24.3N**±.15	**123.6E**±.10	**15**±42		**5**	**0-1**
JMA	V	09 11 17 38.8±.1	24.30N±.01	123.61E±.01	15±2	3.2		**¶97v1413**
ISC	Poorly determined							
ISC	**V**	**11 01 24 15**±4.0	**24.4N**±.33	**125.1E**±.26	**22**		**5**	**0-2**
JMA	V	11 01 24 14.8±.3	24.42N±.02	125.14E±.02	22	3.5		**¶97v1698**
ISC	**V**	**12 18 31 58**±6.6	**24.1N**±.42	**123.1E**±.31	**3**±20		**5**	**0-2**
TAP	V	12 18 31 55.1	23.86N	122.82E	6	3.0L		**¶97v2021**
JMA	V	12 18 31 57.2±.7	24.02N±.04	123.00E±.03	0	3.0		
ISC	Poorly determined							
ISC	**V**	**13 21 23 28**±3.7	**24.7N**±.62	**123.5E**±.19	**70**		**4**	**0-1**
JMA	V	13 21 23 28.0±.1	24.66N±.02	123.50E±.00	70±1			**¶97v2332**
ISC	Poorly determined							
JMA	**V**	**14 17 14 37.2**±.5	**23.21N**±.04	**123.17E**±.03	**74**			**¶97v2492**
ISC	**V**	**16 18 57 56**±1.6	**25.8N**±.36	**125.6E**±.25	**101**±55		**10**	**1-4**
JMA	V	16 18 57 56.0±.3	25.81N±.04	125.54E±.04	82			**¶97v2828**
ISC	**V**	**17 09 31 57**±5.6	**24.7N**±.95	**125.3E**±.66	**29**		**4**	**0-1**
JMA	V	17 09 31 55.6±.2	24.58N±.05	125.39E±.02	29±5	3.2		**¶97v2907**
ISC	Poorly determined							
ISC	**V**	**17 16 44 50**±8.3	**23.3N**±.64	**124.6E**±.23	**51**		**7**	**1-4**
JMA	V	17 16 44 49.6±.3	23.37N±.02	124.53E±.01	51	3.4		**¶97v2960**
ISC	**V**	**18 12 27 05**±3.0	**24.4N**±.24	**125.1E**±.21	**27**		**5**	**0-1**
JMA	V	18 12 27 03.0±.5	24.20N±.03	125.15E±.02	27	2.8		**¶97v3080**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**18 14 12 00**±4.8	**24.8N**±.75	**123.2E**±.27	**105**		**5**	**0-1**
JMA	V	18 14 12 00.2±.2	24.85N±.03	123.17E±.01	105			¶97v3099
ISC	Poorly determined							
ISC	**V**	**18 16 47 15**±2.0	**24.6N**±.49	**124.3E**±.17	**60**		**5**	**0-1**
JMA	V	18 16 47 15.3±.1	24.65N±.03	124.32E±.01	60	3.0		¶97v3120
ISC	Poorly determined							
ISC	**V**	**19 00 27 53**±3.3	**24.5N**±.36	**125.0E**±.23	**20**		**4**	**0-1**
JMA	V	19 00 27 53.5±.2	24.52N±.04	125.04E±.01	20±4	3.0		¶97v3171
ISC	Poorly determined							
ISC	**V**	**19 09 58 48**±4.1	**25.0N**±.36	**124.9E**±.11	**9**		**4**	**0-1**
JMA	V	19 09 58 48.9±.3	24.96N±.03	124.91E±.01	9	3.0		¶97v3238
ISC	Poorly determined							
ISC	**V**	**20 03 59 58**±3.0	**24.8N**±.41	**124.6E**±.22	**58**±44		**6**	**0-2**
JMA	V	20 03 59 57.8±.1	24.80N±.03	124.55E±.01	58±2	3.2		¶97v3352
ISC	**V**	**21 05 33 11**±2.3	**25.0N**±.52	**125.6E**±.48	**23**		**5**	**0-2**
JMA	V	21 05 33 08.7±.4	24.76N±.04	125.87E±.03	23	3.5		¶97v3520
ISC	**V**	**22 19 02 50**±1.4	**24.7N**±.49	**124.3E**±.16	**73**		**5**	**0-1**
JMA	V	22 19 02 49.7±.1	24.66N±.04	124.28E±.01	73±3			¶97v3818
ISC	**V**	**23 23 02 17.5**±.48	**23.02N**±.049	**124.62E**±.064	**33**	**3.9b**	**30**	**1-83**
EIDC	V	23 23 02 15.3	22.9N	124.5E	0	4.0b,4.1L		¶97v4016
BJI	V	23 23 02 17.6	23.44N	124.45E	5	3.8L,3.9s		
NEIC	V	23 23 02 18.2	22.93N	124.46E	33	4.1b		
JMA	V	23 23 02 18.6±.8	23.22N±.06	124.34E±.03	95			
NEIC	Less reliable solution.							
ISC	**V**	**25 12 19 18**±1.9	**24.0N**±.23	**123.5E**±.11	**52**±8.5	**3.5b**	**18**	**0-167**
JMA	V	25 12 19 18.9±.1	23.96N±.01	123.55E±.00	38±1	4.0		¶97v4268
NEIC	V	25 12 19 38.9	24.78N	123.60E	200	3.2b		
EIDC	V	25 12 19 41.3	24.8N	123.6E	203	3.1b		
NEIC	Less reliable solution.							
JMA	**V**	**25 12 55 41.2**±.1	**24.68N**±.05	**125.28E**±.02	**43**±2	**2.8**		¶97v4275
ISC	**V**	**25 17 56 39**±7.2	**24.9N**±.93	**123.5E**±.24	**84**		**4**	**1-1**
JMA	V	25 17 56 39.9±.3	24.81N±.04	123.46E±.01	84±3			¶97v4305
ISC	Poorly determined							
JMA	**V**	**26 12 44 36.7**±.3	**23.49N**±.02	**123.32E**±.01	**62**			¶97v4412
ISC	**V**	**26 19 26 20**±1.5	**24.5N**±.32	**123.3E**±.13	**58**		**5**	**0-1**
JMA	V	26 19 26 19.6±.2	24.47N±.02	123.29E±.01	58±2	2.9		¶97v4456
ISC	**V**	**27 11 25 50**±5.1	**25.1N**±.52	**125.1E**±.22	**29**±28		**6**	**0-2**
JMA	V	27 11 25 50.0±.5	25.08N±.04	125.07E±.02	35	3.4		¶97v4562
ISC	**V**	**28 09 36 42**±4.3	**24.3N**±.22	**125.2E**±.25	**2**		**5**	**1-1**
JMA	V	28 09 36 41.9±.3	24.24N±.01	125.20E±.02	2±3	3.0		¶97v4697
JMA	**V**	**29 10 43 53.1**±.3	**24.79N**±.03	**124.00E**±.02	**69**±4			¶97v4858
ISC	**V**	**29 16 16 04**±2.4	**24.2N**±.21	**124.2E**±.15	**17**		**4**	**0-1**
JMA	V	29 16 16 03.9±.1	24.20N±.01	124.24E±.01	17±2	2.9		¶97v4897
ISC	Poorly determined							
ISC	**V**	**30 01 25 50**±1.5	**25.30N**±.073	**125.92E**±.069	**33**±12	**4.8b**,3.9s	**35**	**1-92**
JMA	V	30 01 25 47.2±.5	25.61N±.03	125.62E±.03	4±4	4.4		¶97v4955
ISC	**V**	**30 02 44 41.1**±.82	**25.5N**±.17	**125.7E**±.14	**3**		**9**	**1-3**
JMA	V	30 02 44 40.7±.3	25.58N±.03	125.64E±.02	3±3	3.6		¶97v4965
ISC	**V**	**30 23 35 02.8**±.75	**25.4N**±.21	**125.8E**±.17	**18**		**9**	**1-3**
JMA	V	30 23 35 01.7±.2	25.53N±.03	125.67E±.03	18	3.3		¶97v5115
ISC	**V**	**31 01 44 33.6**±.42	**24.09N**±.053	**125.64E**±.060	**116**	**3.9b**	**39**	**1-85**
EIDC	V	31 01 44 26.6	23.4N	125.4E	0	4.0b,4.0L		¶97v5135
NEIC	V	31 01 44 29.8	23.38N	125.46E	33			
JMA	V	31 01 44 30.8±.3	23.77N±.03	125.78E±.01	116			
BJI	V	31 01 44 31.5	23.61N	126.16E	44			
NEIC	Less reliable solution.							
JMA	**V**	**31 03 01 14.5**±.3	**23.12N**±.03	**125.09E**±.03	**43**	**2.8**		¶97v5141
ISC	**VI**	**01 01 28 49**±2.3	**25.8N**±.78	**125.3E**±.67	**158**±63		**8**	**1-5**
JMA	VI	01 01 28 49.9±.4	25.96N±.05	125.13E±.05	120			¶97vi0010
ISC	**VI**	**01 20 08 44**±1.0	**24.9N**±.14	**125.2E**±.10	**16**		**7**	**0-2**
JMA	VI	01 20 08 43.2±.2	24.96N±.02	125.23E±.02	16	3.5		¶97vi0131
ISC	**VI**	**02 04 12 12**±2.4	**24.1N**±.25	**123.4E**±.12	**21**		**4**	**0-1**
JMA	VI	02 04 12 12.4±.1	24.13N±.01	123.43E±.01	21±4	2.8		¶97vi0177
ISC	Poorly determined							
ISC	**VI**	**03 01 18 18.1**±.59	**25.11N**±.084	**125.2E**±.10	**35**	**3.8b**	**22**	**0-96**
JMA	VI	03 01 18 17.8±.2	25.11N±.02	125.21E±.02	35	3.9		¶97vi0365
EIDC	VI	03 01 18 38.5	25.7N	124.9E	176	3.5b		
NEIC	VI	03 01 18 39.0	25.67N	125.03E	200			
NEIC	Less reliable solution.							
ISC	**VI**	**03 17 32 58**±5.3	**24.4N**±.43	**125.1E**±.30	**19**±39		**5**	**0-1**
JMA	VI	03 17 32 58.3±.1	24.37N±.01	125.13E±.01	20±3	3.1		¶97vi0498
ISC	Poorly determined							
ISC	**VI**	**05 23 11 18**±4.9	**24.4N**±.27	**125.2E**±.29	**10**		**4**	**0-1**
JMA	VI	05 23 11 17.7±.4	24.37N±.02	125.26E±.02	10	3.0		¶97vi0849
ISC	Poorly determined							
ISC	**VI**	**06 21 58 00**±3.2	**24.8N**±.43	**123.1E**±.22	**84**		**5**	**0-1**
JMA	VI	06 21 57 59.4±.3	24.78N±.03	123.06E±.01	84±3			¶97vi1002
ISC	**VI**	**07 15 28 20**±1.6	**23.11N**±.059	**123.69E**±.083	**16**±13	**3.9b**,3.6s	**31**	**1-85**
JMA	VI	07 15 28 21.4±.5	23.26N±.04	123.78E±.02	73			¶97vi1112
NEIC	VI	07 15 28 21.9	23.21N	123.83E	33			
BJI	VI	07 15 28 22.5	23.45N	124.57E	46	4.3b		
EIDC	VI	07 15 28 24.6	23.3N	123.8E	41	3.6b,3.6L		
NEIC	Less reliable solution.							
ISC	**VI**	**07 18 25 27.3**±.84	**24.6N**±.20	**124.7E**±.13	**61**±12	**3.5b**	**10**	**0-81**
JMA	VI	07 18 25 27.8±.1	24.70N±.04	124.61E±.02	52±3	3.8		¶97vi1127
EIDC	VI	07 18 25 34.2	23.3N	127.3E	0	3.6b		
ISC	**VI**	**07 20 26 18**±1.7	**24.2N**±.24	**124.2E**±.13	**30**±12		**6**	**0-1**
JMA	VI	07 20 26 18.2±.4	24.21N±.05	124.25E±.03	39	3.1		¶97vi1140
ISC	**VI**	**09 03 53 27**±6.7	**24.8N**±.39	**124.0E**±.22	**1**		**4**	**0-1**
JMA	VI	09 03 53 28.0±.4	24.82N±.03	124.01E±.02	1±4	3.0		¶97vi1327
ISC	Poorly determined							
ISC	**VI**	**09 15 32 08**±4.0	**25.0N**±.48	**123.3E**±.24	**108**		**5**	**1-1**
JMA	VI	09 15 32 07.8±.3	24.95N±.04	123.25E±.01	108±3			¶97vi1414
ISC	**VI**	**09 16 58 18.6**±.49	**25.59N**±.097	**125.69E**±.093	**104**±7.7	**3.5b**	**19**	**1-80**
EIDC	VI	09 16 58 13.8	25.3N	128.8E	0	3.7b,3.5L		¶97vi1424
JMA	VI	09 16 58 17.8±.1	25.56N±.05	125.69E±.05	120			
ISC	**VI**	**10 14 53 34**±2.4	**24.2N**±.27	**123.3E**±.13	**22**		**5**	**0-1**
JMA	VI	10 14 53 34.3±.1	24.20N±.01	123.28E±.01	22±2	3.0		¶97vi1539
ISC	**VI**	**12 17 02 42**±3.8	**24.8N**±.28	**123.2E**±.16	**18**		**5**	**0-1**
JMA	VI	12 17 02 41.4±.4	24.82N±.03	123.15E±.02	18	3.0		¶97vi1875
ISC	**VI**	**12 20 04 10**±4.4	**24.2N**±.22	**125.2E**±.25	**1**		**5**	**1-1**
JMA	VI	12 20 04 10.6±.5	24.24N±.02	125.21E±.03	1	3.0		¶97vi1894
ISC	**VI**	**13 12 42 58**±1.5	**25.3N**±.20	**125.2E**±.20	**43**		**5**	**0-2**
JMA	VI	13 12 42 57.6±.3	25.34N±.04	125.14E±.04	43	2.9		¶97vi1988
ISC	**VI**	**14 18 31 23**±1.8	**24.8N**±.46	**124.5E**±.34	**43**±60		**5**	**0-3**
JMA	VI	14 18 31 22.6±.1	24.83N±.03	124.51E±.02	45±2	2.8		¶97vi2158
ISC	Poorly determined							
ISC	**VI**	**14 21 03 42.0**±.46	**25.77N**±.087	**125.27E**±.085	**140**±7.4	**3.8b**	**25**	**1-80**
JMA	VI	14 21 03 42.3±.2	25.80N±.03	125.20E±.03	134			¶97vi2176
EIDC	VI	14 21 03 46.6	25.9N	125.1E	165	3.7b		
ISC	**VI**	**15 09 55 30**±2.9	**24.3N**±.19	**124.9E**±.17	**8**		**4**	**0-1**
JMA	VI	15 09 55 30.3±.2	24.32N±.02	124.91E±.01	8	3.2		¶97vi2276
ISC	Poorly determined							
ISC	**VI**	**16 06 21 32**±4.6	**24.2N**±.39	**123.4E**±.15	**47**±51		**5**	**0-1**
JMA	VI	16 06 21 31.6±.1	24.15N±.01	123.44E±.01	53±2	2.8		¶97vi2411
ISC	Poorly determined							
ISC	**VI**	**16 08 47 19**±5.5	**24.1N**±.44	**123.1E**±.26	**23**		**5**	**0-2**
JMA	VI	16 08 47 18.8±.1	24.04N±.01	123.13E±.01	23±2	2.8		¶97vi2429
ISC	Poorly determined							
JMA	**VI**	**16 13 54 39.0**±.2	**24.62N**±.05	**125.22E**±.02	**63**±2			¶97vi2472
ISC	**VI**	**17 12 11 38**±1.1	**25.0N**±.19	**125.3E**±.15	**41**		**7**	**0-2**
JMA	VI	17 12 11 37.8±.1	25.06N±.03	125.24E±.02	41	3.5		¶97vi2621
ISC	**VI**	**19 10 05 19.9**±.41	**24.83N**±.031	**125.38E**±.029	**49**±3.6	**5.2b,4.5s**	**321**	**0-169**
BJI	VI	19 10 05 18.6	24.76N	125.48E	50	4.7L,5.1b		¶97vi2893
MOS	VI	19 10 05 19.4	25.0N	125.4E	41	5.8b,4.6s		
NEIC	VI	19 10 05 19.9	24.85N	125.29E	49	5.3b,4.8s		
HRVD	VI	19 10 05 20.1±.5	24.71N±.07	125.41E±.11	46±7.4			
JMA	VI	19 10 05 20.2±.1	24.92N±.06	125.35E±.04	53	4.7		
EIDC	VI	19 10 05 21.6	24.9N	125.4E	52	4.7b,3.9s		
BJI	Ms4.5							
NEIC	Mw5.0(HRV).							
NEIC	Felt on Miyako-jima.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.88±.42; $M_{\theta\theta}$−2.87±.42; $M_{\phi\phi}$−0.02±.72; $M_{r\theta}$2.54±.89; $M_{r\phi}$0.14±.68; $M_{\theta\phi}$−1.63±.44. Principal Axes: T 3.90,Plg67°,Azm18°; N 0.49, Plg14°,Azm254°; P −4.39,Plg18°,Azm159°. Best double couple: $M_0$4.2×10^{16}Nm, NP1: ϕ_S228°,δ29°,λ61°. NP2:ϕ_S80°,δ65°,λ105°.							
JMA	Felt I= IV J1							
JMA	**VI**	**19 10 11 13.5**±.2	**24.73N**±.04	**125.43E**±.02	**47**±1	**3.0**		¶97vi2894
JMA	**VI**	**19 11 14 28.8**±.3	**24.98N**±.06	**125.63E**±.05	**58**	**3.1**		¶97vi2909
ISC	**VI**	**19 11 24 55**±1.2	**25.0N**±.11	**123.1E**±.18	**169**±7.6	**3.9b**	**14**	**1-59**
EIDC	VI	19 11 24 48.2	24.3N	126.3E	0	4.1b,4.0L		¶97vi2912
JMA	VI	19 11 24 56.6±.4	25.22N±.03	123.09E±.03	138			
ISC	**VI**	**19 17 17 32**±1.8	**25.0N**±.38	**125.2E**±.26	**30**±29		**6**	**0-2**
JMA	VI	19 17 17 31.0±.1	24.93N±.03	125.32E±.02	47	2.9		¶97vi2944
JMA	**VI**	**20 01 44 20.1**±.3	**25.07N**±.05	**125.80E**±.05	**59**	**3.1**		¶97vi2986
ISC	**VI**	**23 22 10 57.7**±.93	**24.88N**±.062	**123.71E**±.062	**24**±9.0	**3.9b**	**29**	**1-84**
JMA	VI	23 22 10 55.4±.3	25.07N±.01	123.64E±.01	12±5	3.9		¶97vi3599
NEIC	VI	23 22 10 57.3	25.04N	123.75E	33	4.4b		
BJI	VI	23 22 10 58.8	25.05N	123.50E	28	4.1L,4.2b		
EIDC	VI	23 22 11 05.6	25.2N	124.0E	92	3.5b		
NEIC	Less reliable solution.							
BJI	Ms4.0							
JMA	**VI**	**24 11 23 03.0**±.2	**23.54N**±.02	**124.16E**±.01	**41**±2	**2.8**		¶97vi3701
JMA	**VI**	**26 10 37 19.2**±.2	**24.55N**±.04	**123.01E**±.01	**46**	**3.2**		¶97vi4121
TAP	VI	26 10 37 20.1	24.33N	122.85E	35	3.2L		
ISC	**VI**	**30 07 41 48**±3.0	**24.6N**±.54	**123.3E**±.19	**66**		**4**	**0-1**
JMA	VI	30 07 41 48.0±.1	24.63N±.01	123.27E±.00	66±1			¶97vi4728
ISC	Poorly determined							
ISC	**VI**	**30 19 18 13**±2.3	**25.1N**±.28	**125.2E**±.21	**25**±29		**7**	**0-2**
JMA	VI	30 19 18 13.0±.2	25.11N±.02	125.22E±.02	33	3.3		¶97vi4813
JMA	**VI**	**30 21 25 45.9**±.1	**24.93N**±.03	**125.49E**±.02	**49**	**3.0**		¶97vi4824

(247) South-east of Taiwan.

ISC	**I**	**15 15 43 19.4**±.97	**22.9N**±.11	**123.1E**±.15	**33**	**3.5b**	**10**	**1-83**
TAP	I	15 15 43 18.0	22.87N	122.92E	22	3.8L		¶97i2174
JMA	I	15 15 43 19.2±.4	23.08N±.03	123.17E±.03	104			
NEIC	I	15 15 43 19.3	22.96N	123.15E	33			
EIDC	I	15 15 43 28.3	23.0N	123.0E	97	3.2b		
NEIC	Single network solution.							
ISC	**I**	**16 00 38 44**±5.0	**22.9N**±.11	**123.1E**±.12	**27**±38	**3.7b**	**12**	**5-85**
BJI	I	16 00 38 44.7	23.08N	122.86E	8	3.7L,3.9b		¶97i2229
NEIC	I	16 00 38 44.9	22.96N	123.12E	33			
EIDC	I	16 00 38 48.5	23.0N	123.1E	45	3.6b,3.9L		
NEIC	Single network solution.							
EIDC	**II**	**27 12 33 54.2**	**22.7N**	**123.4E**	**0**	**3.6b**		**44-84**
								¶97ii3956
ISC	**V**	**17 15 04 33.8**±.93	**21.8N**±.10	**124.8E**±.14	**33**	**3.7b**	**13**	**3-84**
EIDC	V	17 15 04 44.5	23.4N	123.6E	0	3.6b,3.7L		¶97v2948
NEIC	V	17 15 04 48.6	23.62N	123.51E	33	4.0b		
BJI	V	17 15 04 49.6	23.09N	123.52E	15	4.4b		
NEIC	Poor solution.							

SEISMIC REGION 22. PHILIPPINES.

(248) Philippine Islands region.

ISC	**I**	**04 08 47 05**±1.0	**9.4N**±.14	**127.1E**±.24	**33**	**4.3b**	**8**	**29-164**
EIDC	I	04 08 47 02.6	9.4N	127.1E	0	4.2b		¶97i0506
NEIC	I	04 08 47 05.5	9.35N	127.08E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**I**	**07 18 44 00**±4.9	**20.09N**±.078	**121.4E**±.15	**37**±48	**4.1b**	**17**	**18-87**
NEIC	I	07 18 44 00.1	20.09N	121.34E	33	4.4b		¶97i0966
EIDC	I	07 18 44 07.6	20.0N	121.3E	90	3.6b,3.5L		
ISC	**I**	**11 04 45 32**±5.1	**6.1N**±.11	**127.0E**±.16	**102**±49	**4.2b**	**31**	**19-159**
NEIC	I	11 04 45 24.3	6.20N	127.00E	33	4.3b		¶97i1464
BJI	I	11 04 45 24.9	6.02N	126.75E	33	4.6b		
EIDC	I	11 04 45 35.0	6.1N	127.1E	117	3.8b		
NEIC	Less reliable solution.							
EIDC	**I**	**11 23 18 11.7**	**19.3N**	**123.7E**	**0**	3.5b,4.1L		**18-44**
								¶97i1594
EIDC	**I**	**12 17 58 52.0**	**15.5N**	**124.7E**	**31**	**3.3b**		**36-75**
								¶97i1723
EIDC	**I**	**15 01 15 16.6**	**12.9N**	**127.6E**	**0**	**3.7b**		**33-48**
								¶97i2079
ISC	**I**	**19 04 33 23.1**±.12	**19.99N**±.022	**121.44E**±.028	**39**	**5.6b,5.6s**	**480**	**4-174**
BJI	I	19 04 33 21.7	20.08N	121.26E	28	5.0L,5.6b		¶97i2779
NEIC	I	19 04 33 22.3	19.98N	121.42E	33	5.7b,5.4s		
HRVD	I	19 04 33 22.8±.2	19.99N±.02	121.10E±.02	19			
MOS	I	19 04 33 24.2	20.3N	121.4E	33	5.9b,5.7s		
EIDC	I	19 04 33 25.1	20.0N	121.4E	44	5.0b,5.5s		
BJI	Ms5.6							
NEIC	Mw5.9(HRV), Me5.6(GS).							
NEIC	Mw 5.8 (GS).							
NEIC	Radiated energy from the P−wave first−motion solution: 5.1±1.6×10^{12}Nm/4							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S220°,δ70°,λ120°. NP2:ϕ_S341°,δ36°,λ36°. Principal axes: T Plg55°,Azm168°; P Plg19°,Azm288°. Depth from synthetics of							

broadband displacement seismograms.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}2.43; $M_{\theta\theta}$0.58; $M_{\phi\phi}$−3.02; $M_{r\theta}$−3.67; $M_{r\phi}$−4.16; $M_{\theta\phi}$−1.28. Depth 8km; Principal axes: T 6.11,Plg55°,Azm147°; N 0.42,Plg14°, Azm36°; P −6.53,Plg31°,Azm298°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S351°,δ19°, λ43°. NP2:ϕ_S219°,δ77°,λ104°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c62; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}4.74±.09; $M_{\theta\theta}$0.05±.10; $M_{\phi\phi}$−4.79±.12; $M_{r\theta}$−3.30±.21; $M_{r\phi}$−3.79±.20; $M_{\theta\phi}$−1.49±.10. Principal Axes: T 7.11,Plg64°,Azm147°; N −0.05,Plg13°,Azm28°; P −7.06,Plg22°,Azm292°. Best double couple: $M_0$7.1×10^{17}Nm, NP1: ϕ_S358°,δ26°,λ58°. NP2:ϕ_S213°,δ68°,λ104°.

ISC	**I**	**20 08 33 58**±1.1	**10.02N**±.034	**126.08E**±.052	**74**±10	**4.8b**	**131**	**3-165**
MOS	I	20 08 33 54.5	9.8N	125.9E	49	5.4b,4.5s		**¶97i2965**
BJI	I	20 08 33 55.3	9.98N	126.23E	59	5.0b,4.7s		
NEIC	I	20 08 33 55.9	10.06N	126.15E	56	4.9b,4.5s		
EIDC	I	20 08 33 56.3	10.0N	126.1E	50	4.5b,4.3s		
HRVD	I	20 08 33 58.0±.5	9.89N±.06	126.61E±.04	36±3.6			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c26; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.86±.04; $M_{\theta\theta}$0.35±.07; $M_{\phi\phi}$−1.20±.07; $M_{r\theta}$0.41±.13; $M_{r\phi}$0.54±.12; $M_{\theta\phi}$−0.15±.05. Principal Axes: T 1.15,Plg63°,Azm337°; N 0.22, Plg22°,Azm195°; P −1.37,Plg15°,Azm99°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S161°,δ36°,λ50°. NP2:ϕ_S26°,δ63°,λ115°.

ISC	**I**	**22 17 04 32.5**±.65	**10.0N**±.11	**126.2E**±.22	**33**	**3.9b**	**10**	**28-94**
EIDC	I	22 17 04 29.1	10.0N	126.2E	0	3.9b		**¶97i3354**
NEIC	I	22 17 04 32.4	10.05N	126.22E	33	4.2b		

NEIC Less reliable solution.

ISC	**I**	**24 22 38 10**±1.8	**19.9N**±.18	**121.7E**±.94	**33**	**3.4b**	**5**	**40-87**
EIDC	I	24 22 38 07.2	19.9N	121.9E	0	3.5b		**¶97i3697**
ISC	**I**	**26 14 19 09**±1.5	**6.08N**±.042	**127.14E**±.080	**79**±14	**4.6b**	**74**	**2-162**
EIDC	I	26 14 19 09.9	6.0N	127.2E	73	4.3b,3.6s		**¶97i3951**
NEIC	I	26 14 19 11.1	6.09N	127.07E	100	4.9b		
BJI	I	26 14 19 12.0	6.35N	127.14E	95	4.8b		
MOS	I	26 14 19 17.0	6.9N	126.8E	103	5.4b		
EIDC	**I**	**30 04 39 06.8**	**6.9N**	**127.3E**	**0**	**3.8b**		**28-96**
								¶97i4442
ISC	**II**	**01 08 17 51**±4.8	**9.9N**±.18	**127.0E**±.46	**52**±43	**4.0b**	**14**	**3-146**
NEIC	II	01 08 17 48.9	9.97N	127.17E	33	4.2b		**¶97ii0042**
EIDC	II	01 08 17 51.3	9.9N	127.1E	42	3.7b		

NEIC Less reliable solution.

EIDC	**II**	**02 02 38 30.0**	**18.2N**	**123.9E**	**0**	**3.7b**		**22-43**
								¶97ii0161
ISC	**II**	**02 19 21 31**±2.6	**6.98N**±.090	**127.0E**±.17	**43**±23	**4.4b**	**32**	**1-119**
NEIC	II	02 19 21 30.9	7.01N	126.97E	50	4.6b		**¶97ii0265**
BJI	II	02 19 21 31.0	6.93N	126.98E	40	4.2b		
EIDC	II	02 19 21 33.3	6.9N	126.9E	46	4.1b,4.3L		

NEIC Less reliable solution.

ISC	**II**	**03 02 43 58.8**±.72	**19.1N**±.10	**121.0E**±.20	**33**	**3.8b**	**11**	**19-88**
BJI	II	03 02 43 57.1	19.08N	120.86E	22	4.4b		**¶97ii0308**
EIDC	II	03 02 43 57.4	19.0N	121.5E	0	3.6b,4.0L		
NEIC	II	03 02 43 59.3	19.16N	121.41E	33	4.0b		

NEIC Less reliable solution.

EIDC	**II**	**04 14 59 22.3**	**20.4N**	**125.7E**	**0**	**3.5b**		**41-54**
								¶97ii0551
ISC	**II**	**05 13 09 35**±3.0	**11.0N**±.13	**126.4E**±.18	**34**±33	**4.5b,4.3s**	**26**	**4-78**
EIDC	II	05 13 09 33.6	11.0N	126.4E	0	4.2b,5.0L		**¶97ii0693**
NEIC	II	05 13 09 35.2	10.99N	126.41E	33	4.8b,3.9s		
BJI	II	05 13 09 37.7	11.25N	125.95E	33	4.7b,4.5s		

NEIC Poor solution.

ISC	**II**	**05 18 49 04.1**±.98	**7.6N**±.14	**127.9E**±.15	**33**	**3.6b**	**6**	**2-81**
EIDC	II	05 18 49 01.1	7.7N	127.9E	0	3.8b,3.7L		**¶97ii0735**
NEIC	II	05 18 49 04.1	7.64N	127.86E	33			

NEIC Single network solution.

EIDC	**II**	**08 09 52 22.0**	**13.4N**	**125.3E**	**27**	**3.5b**		**26-48**
								¶97ii1124
ISC	**II**	**10 20 56 58**±1.0	**9.9N**±.13	**127.7E**±.24	**33**	**3.6b**	**6**	**3-94**
EIDC	II	10 20 56 54.5	9.9N	127.6E	0	3.6b,4.4L		**¶97ii1515**
ISC	**II**	**11 01 24 26**±5.4	**7.2N**±.11	**127.5E**±.35	**35**±52	**4.1b**	**9**	**2-82**
EIDC	II	11 01 24 22.7	7.2N	127.5E	0	4.2b,4.3L		**¶97ii1564**
NEIC	II	11 01 24 25.6	7.21N	127.51E	33			

NEIC Less reliable solution.

ISC	**II**	**13 22 48 20.2**±.62	**19.88N**±.084	**121.6E**±.12	**33**	**3.7b**	**11**	**11-87**
EIDC	II	13 22 48 17.1	19.8N	121.7E	0	3.8b,4.2L		**¶97ii1992**
BJI	II	13 22 48 19.5	19.85N	121.60E	33			
NEIC	II	13 22 48 20.1	19.90N	121.66E	33	3.9b		

NEIC Less reliable solution.

ISC	**II**	**20 16 29 50**±2.0	**17.6N**±.11	**119.8E**±.17	**56**±20	**3.8b**	**10**	**1-89**
NEIC	II	20 16 29 47.3	17.61N	119.86E	33	3.8b		**¶97ii2949**
EIDC	II	20 16 29 48.9	17.6N	119.9E	28	3.7b,3.9L		

NEIC Less reliable solution.

ISC	**II**	**23 19 55 47**±5.3	**10.7N**±.36	**126.1E**±.34	**58**±59	**4.2b**	**12**	**4-147**
EIDC	II	23 19 55 36.9	10.2N	126.4E	0	4.3b		**¶97ii3366**
NEIC	II	23 19 55 44.6	10.87N	126.09E	33	4.5b		

NEIC Less reliable solution.

ISC	**II**	**23 20 12 56**±2.4	**10.00N**±.031	**126.50E**±.050	**19**±17	**5.1b,4.8s**	**181**	**3-172**
BJI	II	23 20 12 58.6	10.00N	126.59E	44	5.0b,4.8s		**¶97ii3367**
NEIC	II	23 20 12 59.5	10.00N	126.45E	43	5.3b,4.8s		
MOS	II	23 20 13 00.8	9.9N	126.5E	59	5.4b		
EIDC	II	23 20 13 01.3	10.0N	126.5E	45	4.7b,4.6s		
ISC	**II**	**23 21 13 59**±2.0	**10.06N**±.052	**126.9E**±.14	**68**±18	**4.3b**	**50**	**3-146**
BJI	II	23 21 13 54.3	10.23N	127.11E	35	4.4b		**¶97ii3375**
MOS	II	23 21 13 54.7	10.1N	127.0E	33	4.8b		
NEIC	II	23 21 13 55.0	10.08N	127.09E	33	4.7b		
EIDC	II	23 21 13 59.3	10.1N	127.1E	57	4.0b,3.3s		

NEIC Less reliable solution.

ISC	**II**	**24 01 32 21**±1.0	**15.4N**±.16	**122.2E**±.24	**33**	**4.4b**	**7**	**22-51**
EIDC	II	24 01 32 18.1	15.3N	122.1E	0	4.3b		**¶97ii3401**
NEIC	II	24 01 32 20.8	15.36N	122.15E	33	4.4b		

NEIC Less reliable solution.

ISC	**II**	**28 13 33 37.6**±.31	**10.32N**±.043	**126.2E**±.12	**33**	**4.8b**,5.1s	**58**	**3-165**
BJI	II	28 13 33 33.2	9.32N	126.77E	20	4.9b		**¶97ii4258**
EIDC	II	28 13 33 34.2	10.3N	126.3E	0	4.4b,5.3s		
MOS	II	28 13 33 37.4	10.3N	126.2E	33	4.9b		
NEIC	II	28 13 33 37.7	10.31N	126.24E	33	5.1b,5.0s		
NEIC	**III**	**01 23 13 46.6**	**6.70N**	**127.68E**	**33**	4.3b		**2-96**
EIDC	III	01 23 13 43.7	6.6N	127.7E	0	4.0b		**¶97iii0211**

NEIC Less reliable solution.

ISC	**III**	**03 01 39 46.7**±.18	**19.50N**±.030	**120.23E**±.044	**37**±1.3*	**4.9b,4.9s**	**189**	**3-171**
HRVD	III	03 01 39 44.9±.5	19.24N±.11	120.30E±.12	15			**¶97iii0440**
NEIC	III	03 01 39 46.1	19.50N	120.24E	33	5.1b,4.6s		
MOS	III	03 01 39 46.5	19.6N	120.3E	33	5.4b,5.0s		
BJI	III	03 01 39 46.9	19.64N	120.04E	31	4.4L,4.9b		
EIDC	III	03 01 39 47.8	19.5N	120.3E	36	4.6b,4.1L		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c25; Half duration: 1s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.79±.08; $M_{\theta\theta}$0.30±.08; $M_{\phi\phi}$0.50±.10; $M_{r\theta}$1.18±.31; $M_{r\phi}$0.57±.31; $M_{\theta\phi}$0.30±.08. Principal Axes: T 1.41,Plg30°,Azm322°; N 0.19, Plg9°,Azm57°; P −1.60,Plg58°,Azm162°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S25°, δ17°,λ−123°. NP2:ϕ_S239°,δ76°,λ−80°.

NEIC Mw5.4(HRV).

BJI Ms4.9

ISC	**III**	**03 23 02 58.2**±.95	**12.7N**±.17	**127.2E**±.51	**33**	**3.7b**	**6**	**25-77**
EIDC	III	03 23 02 55.5	12.7N	127.2E	0	3.7b		**¶97iii0708**
EIDC	**III**	**06 05 41 42.4**	**12.1N**	**126.1E**	**0**	**3.6b**		**33-148**
								¶97iii1206
ISC	**III**	**11 16 53 17.2**±.59	**15.10N**±.095	**122.3E**±.13	**12**	**4.0b**	**19**	**2-91**
BJI	III	11 16 53 14.2	15.76N	123.29E	12	4.1b		**¶97iii2414**
NEIC	III	11 16 53 20.8	15.13N	122.82E	33	3.8b		
EIDC	III	11 16 53 21.6	15.2N	122.8E	24	3.8b		

NEIC Less reliable solution.

ISC	**III**	**11 19 22 00**±3.6	**7.76N**±.033	**127.67E**±.041	**8**±21	**6.3b,6.6s**	**388**	**2-171**
NEIC	III	11 19 22 00.1	7.74N	127.65E	10	6.3b,6.7s		**¶97iii2433**
BJI	III	11 19 22 01.0	7.72N	127.39E	10	6.0b,6.6s		
MOS	III	11 19 22 04.2	7.8N	127.7E	36	6.7b,6.4s		
HRVD	III	11 19 22 10.2±.1	7.64N±.01	127.63E±.01	15			
EIDC	III	11 19 22 10.3	7.8N	127.6E	75	5.7b,6.6s		

NEIC Me7.2(GS), Mw6.9(GS). Damage.

NEIC Radiated energy from the P−wave first−motion solution: 1.4±0.3×10^{15}Nm/12

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S205°,δ72°,λ−35°. NP2:ϕ_S307°,δ57°, λ−158°. Principal axes: T Plg10°,Azm259°; P Plg37°,Azm162°. Complex event observed on broadband displacement seismograms.

NEIC Mw 6.9 (HRV). Ms 6.7 (BRK). Some damage to buildings in the Cagayan de Oro area. Felt I=V RF at Bislig, IV RF at Cagayan de Oro and Davao, III RF at Surigao and II RF at General Santos. Mo=6.7×10^{19}Nm (PPT).

NEIC Moment tensor solution: s25, scale 10^{19}Nm; M_{rr}−1.06; $M_{\theta\theta}$0.06; $M_{\phi\phi}$1.00; $M_{r\theta}$0.44; $M_{r\phi}$2.07; $M_{\theta\phi}$−0.04. Depth 5km; Principal axes: T 2.30,Plg32°,Azm276°; N 0.11,Plg5°,Azm9°; P −2.40,Plg57°,Azm107°. Best double couple: $M_0$2.3×10^{19}Nm; NP1:ϕ_S348°,δ14°,λ−112°. NP2: ϕ_S190°,δ77°,λ−85°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c116; Mantle waves: s55,c127; Half duration: 6s5. Moment tensor: Scale 10^{19}Nm; M_{rr}−2.12±.01; $M_{\theta\theta}$−0.06±.01; $M_{\phi\phi}$2.17±.01; $M_{r\theta}$0.00±.04; $M_{r\phi}$0.55±.04; $M_{\theta\phi}$−0.30±.01. Principal Axes: T 2.28,Plg7°,Azm263°; N −0.09,Plg2°,Azm353°; P −2.19,Plg83°,Azm97°. Best double couple: $M_0$2.2×10^{19}Nm, NP1:ϕ_S351°,δ38°,λ−93°. NP2:ϕ_S174°,δ52°,λ−88°.

ISC	**III**	**12 00 43 17.1**±.91	**10.0N**±.16	**126.2E**±.27	**33**	**3.8b**	**6**	**28-94**
EIDC	III	12 00 43 14.1	10.1N	126.3E	0	3.9b		**¶97iii2459**
NEIC	III	12 00 43 17.0	10.01N	126.21E	33			

NEIC Poor solution.

ISC	**III**	**12 13 24 05**±2.1	**7.55N**±.086	**127.1E**±.15	**74**±20	**3.9b**	**23**	**2-99**
MOS	III	12 13 23 59.6	7.4N	126.5E	41	4.9b		**¶97iii2544**
BJI	III	12 13 24 05.2	7.55N	126.99E	95	4.8b		
NEIC	III	12 13 24 05.3	7.54N	126.99E	81	3.7b		
EIDC	III	12 13 24 05.6	7.6N	127.1E	67	3.8b,4.2L		

NEIC Less reliable solution.

ISC	**III**	**14 01 42 52**±1.5	**6.05N**±.079	**127.1E**±.16	**63**±14	**4.7b**	**26**	**2-90**
EIDC	III	14 01 42 45.5	6.2N	127.4E	0	4.6b,4.7L		**¶97iii2794**
NEIC	III	14 01 42 52.7	6.01N	127.06E	62	4.9b		
ISC	**III**	**14 10 00 37**±1.7	**10.6N**±.19	**126.9E**±.39	**33**	**3.7b**	**6**	**4-79**
EIDC	III	14 10 00 34.2	10.7N	127.0E	0	3.7b		**¶97iii2853**
NEIC	III	14 10 00 37.3	10.62N	126.93E	33	3.9b		

NEIC Poor solution.

ISC	**III**	**14 22 03 00**±2.5	**7.37N**±.058	**127.5E**±.16	**52**±22	**4.2b**	**30**	**2-96**
MOS	III	14 22 02 59.9	7.3N	127.5E	43	5.1b		**¶97iii2953**
NEIC	III	14 22 03 00.5	7.38N	127.45E	53	4.7b		
BJI	III	14 22 03 01.5	7.40N	127.40E	53	4.9b		
EIDC	III	14 22 03 02.2	7.4N	127.3E	58	3.8b		

NEIC Less reliable solution.

ISC	**III**	**15 09 24 13**±1.2	**7.48N**±.028	**127.08E**±.047	**52**±11	**4.9b,4.7s**	**170**	**2-171**
MOS	III	15 09 24 11.2	7.4N	127.0E	33	5.4b,4.7s		**¶97iii3023**
BJI	III	15 09 24 11.2	7.54N	127.22E	35	4.9b,4.8s		
NEIC	III	15 09 24 11.3	7.43N	126.99E	33	5.2b,4.8s		
EIDC	III	15 09 24 12.9	7.4N	127.0E	34	4.7b,4.6s		
HRVD	III	15 09 24 14.5±.6	7.43N	126.99E	15			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c24; Half duration: 1s0. Moment tensor: Scale 10^{17}Nm; M_{rr}0.50±.03; $M_{\theta\theta}$−0.10±.04; $M_{\phi\phi}$−0.40±.04; $M_{r\theta}$0.67±.12; $M_{r\phi}$1.18±.09; $M_{\theta\phi}$0.21±.05. Principal Axes: T 1.58,Plg51°,Azm307°; N −0.33, Plg10°,Azm203°; P −1.25,Plg37°,Azm105°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S149°,δ13°,λ35°. NP2:ϕ_S25°,δ83°,λ101°.

EIDC	**III**	**17 06 01 57.7**	**18.7N**	**119.6E**	**32**	**3.5b**		**41-55**
								¶97iii3330
ISC	**III**	**19 02 39 29.1**±.96	**10.0N**±.17	**126.0E**±.53	**33**	**3.9b**	**7**	**31-146**
EIDC	III	19 02 39 25.8	10.1N	126.0E	0	3.9b		**¶97iii3615**
NEIC	III	19 02 39 29.3	10.04N	126.02E	33	3.9b		

NEIC Poor solution.

ISC	**III**	**19 22 31 56**±1.1	**7.6N**±.14	**127.9E**±.17	**33**	**3.7b**	**6**	**2-58**
EIDC	III	19 22 31 54.0	7.5N	127.7E	0	3.7b,4.0L		**¶97iii3777**
NEIC	III	19 22 31 56.1	7.59N	127.86E	33	3.9b		

NEIC Less reliable solution.

ISC	**III**	**20 22 10 42.7**±.94	**7.4N**±.14	**127.7E**±.15	**33**	**3.8b**	**6**	**2-89**
EIDC	III	20 22 10 40.6	7.3N	127.6E	0	3.9b,4.0L		**¶97iii3960**
NEIC	III	20 22 10 43.0	7.35N	127.66E	33			

NEIC Single network solution.

ISC	**III**	**23 06 15 38**±3.5	**6.0N**±.11	**127.5E**±.32	**55**±36	**3.9b**	**12**	**2-97**
NEIC	III	23 06 15 35.7	6.00N	127.63E	33	4.2b		**¶97iii4406**
EIDC	III	23 06 15 40.1	6.0N	127.4E	62	3.6b,4.3L		

NEIC Less reliable solution.

ISC	**III**	**25 08 28 16**±1.6	**5.93N**±.043	**127.22E**±.088	**76**±15	**4.5b**	**66**	**2-89**
EIDC	III	25 08 28 11.4	5.9N	127.6E	33	4.2b,4.6L		**¶97iii4697**
MOS	III	25 08 28 11.7	5.8N	127.2E	44	5.3b		
BJI	III	25 08 28 12.6	5.82N	127.33E	65	4.8b,4.7s		
NEIC	III	25 08 28 12.9	5.75N	127.32E	61	4.8b,4.7s		

NEIC Less reliable solution.

ISC	**III**	**25 11 30 54**±2.1	**7.51N**±.057	**127.4E**±.12	**68**±19	**4.4b**	**46**	**2-143**
BJI	III	25 11 30 49.0	7.63N	127.60E	32	4.4b		**¶97iii4715**
MOS	III	25 11 30 49.5	7.6N	127.5E	33	4.7b		
NEIC	III	25 11 30 50.0	7.56N	127.55E	33	4.6b		
EIDC	III	25 11 30 51.0	7.4N	127.3E	28	4.3b,3.4s		
ISC	**III**	**27 02 38 50**±1.3	**6.5N**±.19	**127.1E**±.21	**33**	**3.5b**	**5**	**2-82**
EIDC	III	27 02 38 46.6	6.6N	127.2E	0	3.6b		**¶97iii5121**
NEIC	III	27 02 38 49.9	6.50N	127.08E	33	4.1b		

NEIC Less reliable solution.

ISC	**III**	**27 21 47 34.4**±.76	**19.9N**±.12	**122.5E**±.41	**33**	**4.0b**	**9**	**40-86**
EIDC	III	27 21 47 30.8	20.0N	122.5E	0	4.0b,3.0s		**¶97iii5317**
NEIC	III	27 21 47 33.8	19.95N	122.23E	33	4.3b		

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Poor solution.						
ISC	**III 28 09 22 01.4**±.83	**7.6N**±.12	**127.7E**±.14	**50**	**3.7b**	**9**	**2-81**
EIDC	III 28 09 21 57.1	7.6N	127.7E	0	3.9b,4.2L		¶97iii5403
NEIC	III 28 09 22 01.4	7.63N	127.68E	50	3.9b		
NEIC	Less reliable solution.						
ISC	**III 28 09 24 25**±1.1	**7.6N**±.15	**127.5E**±.17	**50**	**3.5b**	**5**	**2-81**
EIDC	III 28 09 24 20.0	7.6N	127.6E	0	3.7b		¶97iii5404
NEIC	III 28 09 24 24.7	7.62N	127.49E	50			
NEIC	Single network solution.						
ISC	**III 29 02 35 44**±3.0	**14.8N**±.47	**126.8E**±.58	**33**	**4.4b**	**6**	**23-89**
NEIC	III 29 02 35 43.1	14.76N	126.75E	33	4.2b		¶97iii5522
EIDC	III 29 02 35 46.0	14.9N	126.5E	39	4.6b		
NEIC	Poor solution.						
ISC	**IV 01 00 50 03.1**±.58	**7.93N**±.083	**127.9E**±.11	**33**	**4.0b**	**15**	**2-89**
EIDC	IV 01 00 50 00.7	7.8N	127.9E	0	4.1b,4.3L		¶97iv0005
NEIC	IV 01 00 50 03.1	7.93N	127.92E	33	4.1b		
NEIC	Less reliable solution.						
ISC	**IV 01 13 03 15.6**±.81	**13.9N**±.12	**125.3E**±.20	**33**	**3.5b**	**7**	**25-77**
EIDC	IV 01 13 03 13.4	13.9N	125.4E	0	3.5b		¶97iv0072
ISC	**IV 02 20 24 14**±1.1	**7.5N**±.19	**127.1E**±.26	**33**	**3.5b**	**6**	**1-82**
EIDC	IV 02 20 24 10.8	7.6N	127.3E	0	3.7b		¶97iv0309
ISC	**IV 05 04 38 51.9**±.68	**20.26N**±.080	**122.9E**±.14	**33**	**3.5b**	**13**	**1-86**
NEIC	IV 05 04 38 51.9	20.27N	122.97E	33	3.7b		¶97iv0692
EIDC	IV 05 04 38 57.7	20.3N	122.8E	76	3.3b,3.8L		
NEIC	Less reliable solution.						
ISC	**IV 06 12 01 34.7**±.76	**8.6N**±.11	**127.2E**±.12	**33**	**3.5b**	**11**	**1-95**
EIDC	IV 06 12 01 37.4	8.5N	127.2E	37	3.3b,3.7L		¶97iv0991
ISC	**IV 08 00 30 07.0**±.95	**7.7N**±.16	**127.0E**±.17	**33**	**3.5b**	**6**	**2-96**
EIDC	IV 08 00 30 02.9	7.8N	126.6E	0	3.7b,3.1s		¶97iv1250
ISC	**IV 08 10 14 55.6**±.88	**10.21N**±.088	**126.4E**±.14	**33**	**3.8b**	**9**	**2-50**
EIDC	IV 08 10 14 52.6	10.0N	126.0E	0	3.8b		¶97iv1314
NEIC	IV 08 10 14 55.2	10.00N	126.05E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 08 22 10 56**±1.1	**20.35N**±.054	**122.20E**±.090	**61**±12	**4.0b**	**35**	**0-86**
BJI	IV 08 22 10 51.6	20.43N	122.22E	14	3.4L,4.3b		¶97iv1417
NEIC	IV 08 22 10 53.2	20.31N	122.18E	33	4.3b		
EIDC	IV 08 22 10 57.3	20.4N	122.2E	53	3.8b		
BJI	Ms4.3						
ISC	**IV 09 02 44 28**±2.8	**7.70N**±.068	**127.4E**±.23	**43**±27	**4.2b**	**23**	**1-143**
NEIC	IV 09 02 44 30.5	7.68N	127.43E	63	4.4b		¶97iv1448
EIDC	IV 09 02 44 32.9	7.6N	127.4E	65	3.9b		
NEIC	Less reliable solution.						
ISC	**IV 11 12 16 22**±1.0	**20.0N**±.10	**121.6E**±.21	**50**±10	**4.0b**	**11**	**1-87**
EIDC	IV 11 12 16 17.8	20.1N	122.1E	0	3.9b		¶97iv1896
ISC	**IV 13 12 08 58**±3.1	**8.18N**±.089	**127.3E**±.26	**36**±29	**3.8b**	**16**	**1-95**
NEIC	IV 13 12 09 00.7	8.27N	127.90E	64	4.1b		¶97iv2237
EIDC	IV 13 12 09 02.3	8.3N	128.0E	64	3.5b		
NEIC	Less reliable solution.						
ISC	**IV 15 00 25 08.6**±.73	**10.36N**±.098	**126.9E**±.20	**100**	**3.7b**	**13**	**2-93**
NEIC	IV 15 00 25 08.4	10.38N	126.93E	100	4.0b		¶97iv2533
EIDC	IV 15 00 25 11.0	10.3N	127.0E	110	3.5b,3.0s		
NEIC	Less reliable solution.						
ISC	**IV 15 14 14 19.4**±.70	**10.03N**±.079	**126.6E**±.12	**33**	**3.7b**	**12**	**2-97**
EIDC	IV 15 14 14 16.0	10.0N	126.8E	0	3.8b		¶97iv2610
NEIC	IV 15 14 14 19.4	10.00N	126.73E	33	3.7b		
NEIC	Less reliable solution.						
ISC	**IV 16 13 26 18.4**±.91	**19.12N**±.052	**121.21E**±.090	**50**±9.7	**3.8b**,3.5s	**27**	**1-88**
EIDC	IV 16 13 26 13.1	19.1N	121.4E	0	3.8b,3.2s		¶97iv2765
BJI	IV 16 13 26 15.1	19.00N	121.19E	29	3.9L,4.4b		
NEIC	IV 16 13 26 16.5	19.14N	121.36E	33	4.3b,3.8s		
NEIC	Less reliable solution.						
ISC	**IV 17 13 13 56**±1.7	**15.90N**±.088	**122.2E**±.27	**33**		**5**	**2-3**
							¶97iv2907
ISC	**IV 17 18 34 08**±1.1	**14.0N**±.15	**126.1E**±.16	**33**	**3.7b**	**9**	**3-48**
EIDC	IV 17 18 34 05.2	14.0N	126.2E	0	3.5b		¶97iv2955
NEIC	IV 17 18 34 08.4	13.96N	126.13E	33			
NEIC	Poor solution.						
ISC	**IV 19 06 35 10**±7.0	**12.5N**±.11	**126.2E**±.21	**21**±52	**3.8b**	**8**	**2-47**
EIDC	IV 19 06 35 08.8	12.5N	126.2E	0	3.8b		¶97iv3167
EIDC	**IV 20 03 14 27.4**	**20.4N**	**122.1E**	**0**	**3.3b**		**0-86**
							¶97iv3267
ISC	**IV 24 08 39 49**±1.2	**8.7N**±.15	**127.2E**±.13	**33**	**3.2b**	**7**	**1-80**
EIDC	IV 24 08 39 45.1	8.8N	127.2E	0	3.3b,4.3L		¶97iv4109
ISC	**V 01 23 07 59**±1.7	**15.15N**±.037	**118.53E**±.049	**31**±13	**4.5b,4.3s**	**103**	**2-94**
NEIC	V 01 23 07 58.8	15.13N	118.52E	33	4.7b,4.2s		¶97v0173
MOS	V 01 23 07 58.9	15.1N	118.5E	33	5.2b,4.3s		
BJI	V 01 23 07 59.5	15.49N	118.23E	8	4.5L,4.7b		
EIDC	V 01 23 08 03.3	15.2N	118.6E	65	4.2b,3.5s		
BJI	Ms4.6						
ISC	**V 03 16 32 28.3**±.74	**11.0N**±.12	**126.3E**±.14	**33**	**3.6b**	**13**	**1-147**
EIDC	V 03 16 32 24.9	11.1N	126.1E	0	3.7b		¶97v0457
NEIC	V 03 16 32 28.2	11.01N	126.18E	33			
NEIC	Poor solution.						
ISC	**V 06 17 07 52**±1.6	**20.73N**±.089	**120.9E**±.15	**61**±15	**3.9b**	**11**	**1-56**
TAP	V 06 17 07 44.1	21.16N	120.27E	57	3.9L		¶97v0989
EIDC	V 06 17 07 46.8	20.7N	121.1E	0	3.7b,3.7L		
NEIC	V 06 17 07 49.3	20.69N	121.00E	33	4.1b		
NEIC	Less reliable solution.						
EIDC	**V 08 21 39 31.1**	**20.2N**	**118.0E**	**0**	**3.8b**		**3-88**
							¶97v1314
EIDC	**V 12 14 55 41.7**	**5.3N**	**127.4E**	**0**	**3.7b**		**26-39**
							¶97v1986
ISC	**V 14 22 46 05**±3.0	**18.6N**±.38	**124.0E**±.23	**33**	**3.3b**	**4**	**4-43**
EIDC	V 14 22 46 00.5	18.7N	124.1E	0	3.4b		¶97v2514
ISC	Poorly determined						
ISC	**V 17 01 41 25.2**±.63	**7.51N**±.098	**127.7E**±.11	**33**	**4.1b**	**13**	**2-100**
EIDC	V 17 01 41 22.3	7.5N	127.7E	0	4.1b,4.5L		¶97v2865
NEIC	V 17 01 41 25.3	7.52N	127.73E	33	4.4b		
NEIC	Less reliable solution.						
ISC	**V 21 10 37 32.6**±.87	**6.7N**±.14	**127.5E**±.15	**33**	**3.7b**	**10**	**2-82**
EIDC	V 21 10 37 29.5	6.7N	127.5E	0	3.7b,4.6L		¶97v3546
NEIC	V 21 10 37 32.5	6.64N	127.45E	33	4.1b		
NEIC	Less reliable solution.						
ISC	**V 21 17 48 31.1**±.84	**10.59N**±.091	**126.3E**±.14	**33**	**3.6b**	**9**	**1-93**
EIDC	V 21 17 48 26.9	10.4N	125.5E	0	3.5b		¶97v3590
ISC	**V 23 18 28 28.7**±.87	**19.18N**±.037	**121.16E**±.070	**53**±8.7	**4.4b**	**65**	**1-115**
MOS	V 23 18 28 26.0	19.2N	121.2E	33	4.9b		¶97v3981
BJI	V 23 18 28 26.0	19.52N	120.84E	4	3.9L,4.3b		
NEIC	V 23 18 28 26.5	19.17N	121.23E	33	4.9b		
EIDC	V 23 18 28 27.2	19.1N	121.3E	26	4.1b,4.3L		
BJI	Ms4.1						
ISC	**V 24 06 30 21.0**±.99	**10.3N**±.11	**127.7E**±.15	**33**	**3.6b**	**7**	**3-79**
EIDC	V 24 06 30 18.4	10.4N	127.5E	0	3.6b,4.8L		¶97v4066
ISC	**V 28 13 56 25**±1.1	**19.0N**±.10	**121.4E**±.20	**68**±16	**3.8b**	**10**	**1-88**
EIDC	V 28 13 56 14.0	18.3N	122.0E	0	4.0b,4.1L		¶97v4732
NEIC	V 28 13 56 20.9	19.00N	121.52E	33			
NEIC	Poor solution.						
EIDC	**V 30 13 05 23.8**	**6.3N**	**127.2E**	**0**	3.4b		**2-83**
							¶97v5039
ISC	**V 31 01 53 26.3**±.62	**5.30N**±.088	**127.3E**±.30	**33**	**4.2b**	**15**	**2-98**
EIDC	V 31 01 53 22.1	5.3N	126.8E	0	4.3b,4.5L		¶97v5137
NEIC	V 31 01 53 25.6	5.27N	126.81E	33	4.8b		
BJI	V 31 01 53 28.9	5.27N	127.09E	51	4.5b		
NEIC	Less reliable solution.						
EIDC	**V 31 12 22 50.4**	**10.9N**	**126.4E**	**0**	**3.8b**		**32-79**
							¶97v5186
ISC	**VI 06 07 41 36.5**±.62	**20.73N**±.088	**121.2E**±.12	**33**	**3.8b**	**12**	**1-86**
BJI	VI 06 07 41 34.9	20.36N	120.61E	5	4.6b		¶97vi0903
NEIC	VI 06 07 41 36.7	20.83N	121.36E	33			
EIDC	VI 06 07 41 38.3	20.8N	121.4E	27	3.7b		
NEIC	Single network solution.						
ISC	**VI 06 17 45 31**±1.7	**13.33N**±.077	**125.1E**±.15	**64**±18	**3.8b**	**15**	**2-77**
NEIC	VI 06 17 45 27.8	13.35N	125.08E	35			¶97vi0966
EIDC	VI 06 17 45 30.3	13.3N	125.0E	36	3.6b		
NEIC	Single network solution.						
ISC	**VI 06 17 46 21**±2.4	**13.39N**±.047	**125.31E**±.083	**29**±17	**4.4b,4.2s**	**74**	**2-167**
MOS	VI 06 17 46 21.5	13.3N	125.2E	32	5.1b		¶97vi0967
BJI	VI 06 17 46 21.9	13.22N	125.26E	41	4.7b,4.2s		
NEIC	VI 06 17 46 22.3	13.39N	125.20E	39	4.9b		
EIDC	VI 06 17 46 23.9	13.3N	125.1E	38	4.1b,3.9s		
NEIC	Less reliable solution.						
ISC	**VI 06 18 26 51**±1.6	**13.39N**±.074	**125.1E**±.14	**47**±17	**3.9b**	**20**	**2-149**
BJI	VI 06 18 26 49.5	13.34N	125.37E	31			¶97vi0970
NEIC	VI 06 18 26 49.8	13.35N	125.16E	33			
EIDC	VI 06 18 26 53.3	13.4N	125.5E	40	3.8b		
NEIC	Single network solution.						
ISC	**VI 06 21 54 55**±1.0	**13.35N**±.051	**125.15E**±.076	**40**±9.4	**4.4b,4.0s**	**78**	**2-149**
BJI	VI 06 21 54 52.8	13.34N	125.40E	33	4.7b,4.3s		¶97vi1001
MOS	VI 06 21 54 53.7	13.3N	125.2E	33	5.0b		
NEIC	VI 06 21 54 53.7	13.30N	125.06E	33	4.3b		
EIDC	VI 06 21 55 07.3	13.3N	124.9E	143	4.0b,3.1s		
ISC	**VI 07 07 35 45.4**±.85	**7.5N**±.11	**127.3E**±.11	**33**	**3.7b**	**10**	**1-81**
EIDC	VI 07 07 35 42.7	7.5N	127.3E	0	3.8b,4.2L		¶97vi1063
NEIC	VI 07 07 35 45.4	7.47N	127.33E	33			
NEIC	Single network solution.						
ISC	**VI 08 13 10 41**±1.6	**12.9N**±.19	**127.0E**±.97	**33**	**3.5b**	**4**	**33-77**
EIDC	VI 08 13 10 38.4	13.0N	127.2E	0	3.5b		¶97vi1244
ISC	Poorly determined						
ISC	**VI 13 19 29 42**±1.1	**7.4N**±.15	**127.6E**±.14	**33**	**3.8b**	**8**	**2-53**
EIDC	VI 13 19 29 39.8	7.3N	127.6E	0	3.7b,3.9L		¶97vi2033
NEIC	VI 13 19 29 42.7	7.32N	127.69E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**VI 14 09 10 33**±1.9	**20.63N**±.074	**121.5E**±.19	**52**±20	**3.9b**	**12**	**3-86**
NEIC	VI 14 09 10 37.9	20.70N	121.47E	100	4.0b		¶97vi2107
EIDC	VI 14 09 10 38.6	20.6N	121.5E	92	3.6b		
NEIC	Less reliable solution.						
EIDC	**VI 17 13 48 09.5**	**5.8N**	**127.1E**	**0**	**3.7b**		**27-40**
							¶97vi2638
ISC	**VI 18 07 55 24**±1.9	**10.27N**±.077	**126.3E**±.17	**56**±18	**4.2b**	**26**	**2-146**
BJI	VI 18 07 55 21.8	9.99N	125.41E	20	4.5b		¶97vi2749
NEIC	VI 18 07 55 22.5	10.28N	126.37E	38	4.4b		
EIDC	VI 18 07 55 24.3	10.3N	126.4E	37	3.9b		
NEIC	Less reliable solution.						
ISC	**VI 20 08 32 27**±3.5	**19.9N**±.17	**120.5E**±.39	**34**±23	**3.5b**	**8**	**1-87**
EIDC	VI 20 08 32 28.6	20.0N	120.8E	26	3.4b		¶97vi3031
EIDC	**VI 20 17 01 05.7**	**16.9N**	**124.6E**	**0**	**3.7b**		**23-41**
							¶97vi3087
ISC	**VI 21 06 34 09**±1.8	**10.80N**±.080	**126.2E**±.17	**60**±17	**4.2b**	**23**	**1-147**
BJI	VI 21 06 34 05.7	10.81N	126.28E	29	4.3b		¶97vi3168
NEIC	VI 21 06 34 06.6	10.80N	126.15E	33	4.7b		
MOS	VI 21 06 34 06.9	10.8N	126.0E	33	4.8b		
EIDC	VI 21 06 34 13.4	10.8N	126.1E	83	3.7b,3.1s		
NEIC	Less reliable solution.						
EIDC	**VI 21 10 08 43.2**	**12.2N**	**126.4E**	**0**	**3.7b**		**4-62**
							¶97vi3197
EIDC	**VI 23 12 14 19.6**	**5.2N**	**127.7E**	**0**	**4.3b**		**26-39**
							¶97vi3525
ISC	**VI 24 06 58 28**±2.4	**10.5N**±.10	**126.4E**±.22	**40**±20	**3.9b**	**13**	**2-90**
EIDC	VI 24 06 58 25.0	10.4N	126.3E	0	3.8b,3.1s		¶97vi3660
NEIC	VI 24 06 58 27.4	10.50N	126.40E	33			
NEIC	Less reliable solution.						
ISC	**VI 25 19 12 18.8**±.85	**10.02N**±.079	**126.6E**±.15	**33**	**4.0b**	**11**	**2-86**
NEIC	VI 25 19 12 18.1	10.08N	126.86E	33	4.6b		¶97vi4011
EIDC	VI 25 19 12 27.0	9.8N	125.8E	99	3.6b,4.1L		
NEIC	Poor solution.						

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ISC	**I 16 03 41 18**±2.1	**17.3N**±.10	**120.24E**±.093	**25**±18	**4.0b**,3.3s	**27**	**1-90**
EIDC	I 16 03 41 14.9	17.2N	120.6E	0	3.9b,3.4s		¶97i2253
NEIC	I 16 03 41 20.1	17.22N	120.51E	50	3.9b		
BJI	I 16 03 41 28.0	17.87N	119.74E	50	4.4b		
NEIC	Less reliable solution.						
ISC	**I 19 15 44 29.3**±.88	**14.2N**±.15	**121.0E**±.22	**33**	**3.3b**	**6**	**22-92**
EIDC	I 19 15 44 26.6	14.2N	121.1E	0	3.4b		¶97i2862
NEIC	I 19 15 44 29.2	14.17N	121.02E	33			
NEIC	Single network solution.						
ISC	**I 20 14 37 23**±2.2	**18.76N**±.062	**121.8E**±.13	**82**±21	**4.2b**	**26**	**7-88**
NEIC	I 20 14 37 22.9	18.80N	121.86E	84	4.6b		¶97i3017
BJI	I 20 14 37 23.3	18.73N	121.55E	73	4.5b		
EIDC	I 20 14 37 25.1	18.7N	121.8E	88	3.9b		
ISC	**I 28 20 02 18.9**±.64	**15.1N**±.12	**119.3E**±.18	**31**	**3.8b**	**11**	**20-92**
NEIC	I 28 20 02 18.8	15.13N	119.34E	31	4.2b		¶97i4255
EIDC	I 28 20 02 20.7	15.1N	119.4E	28	3.6b		
NEIC	Less reliable solution.						
EIDC	**I 30 09 01 09.3**	**14.3N**	**124.6E**	**0**	**3.7b**		**35-77**
							¶97i4455
ISC	**I 30 21 42 45**±2.0	**17.68N**±.053	**120.26E**±.062	**38**±17	**4.8b,3.9s**	**113**	**1-121**
BJI	I 30 21 42 46.3	17.66N	120.16E	52	4.4L,4.5b		¶97i4546
NEIC	I 30 21 42 46.4	17.68N	120.25E	53	4.9b		

MOS I 30 21 42 47.3 17.7N 120.4E 62 5.2b
EIDC I 30 21 42 47.9 17.7N 120.3E 51 4.2b,3.6s
BJI Ms4.2
ISC II 16 19 31 12±1.3 **14.0N**±.18 **124.2E**±.24 **26** **3.5b** **4 25-46**
EIDC II 16 19 31 14.0 14.0N 124.1E 26 3.4b **¶97ii2409**
ISC Poorly determined
ISC II 17 05 49 43±5.0 **14.1N**±.12 **122.3E**±.21 **377**±56 **3.6b** **12 23-118**
EIDC II 17 05 49 48.6 14.0N 122.1E 435 3.3b **¶97ii2458**
ISC II 19 13 49 54±4.4 **14.44N**±.082 **120.8E**±.14 **125**±42 **3.8b** **21 21-119**
NEIC II 19 13 49 51.8 14.42N 120.77E 100 4.4b **¶97ii2801**
EIDC II 19 13 49 53.8 14.5N 120.9E 103 3.6b
EIDC II 24 01 35 49.0 17.9N 121.0E 0 3.9b 24-43
¶97ii3402
EIDC II 27 10 09 31.8 13.6N 123.8E 0 4.0b 35-150
¶97ii3942
ISC III 02 12 46 01±4.3 **13.32N**±.049 **124.72E**±.097 **30**±31 **4.5b,4.3s** **60 5-150**
MOS III 02 12 46 00.7 13.3N 124.8E 33 5.0b **¶97iii0309**
NEIC III 02 12 46 01.0 13.31N 124.71E 33 4.8b,4.1s
EIDC III 02 12 46 01.9 13.3N 124.7E 27 4.2b
BJI III 02 12 46 03.7 13.99N 124.80E 22 4.8b,4.4s
EIDC III 10 07 08 27.3 18.7N 120.7E 0 3.5b 41-88
¶97iii2162
ISC III 11 23 12 57±1.6 **14.6N**±.31 **122.4E**±.37 **33** **3.5b** **5 23-80**
EIDC III 11 23 12 53.2 14.9N 122.6E 0 3.6b **¶97iii2453**
ISC III 18 13 02 15±1.1 **17.89N**±.032 **120.22E**±.045 **38**±10 **4.9b,4.5s** **187 2-172**
BJI III 18 13 02 13.8 17.89N 120.18E 30 4.5L,4.6b **¶97iii3536**
MOS III 18 13 02 14.1 17.8N 120.3E 33 5.3b,4.5s
NEIC III 18 13 02 14.1 17.82N 120.21E 33 5.1b,4.5s
HRVD III 18 13 02 17.1±.1 17.84N±.01 120.01E±.01 45±1.1
EIDC III 18 13 02 18.3 17.8N 120.3E 55 4.4b,4.4s
BJI Ms4.5
NEIC Mw5.1(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c14; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.56±.64; $M_{\theta\theta}$−1.95±.78; $M_{\phi\phi}$−3.61±.88; $M_{r\theta}$−3.23±1.12; $M_{r\phi}$−0.32±.95; $M_{\theta\phi}$1.80±.62. Principal Axes: T 6.84,Plg68°,Azm166°; N −1.83,Plg19°,Azm317°; P −5.01,Plg10°,Azm50°. Best double couple: $M_0$5.9×10^{16}Nm, NP1: ϕ_S162°,δ39°,λ122°. NP2:ϕ_S304°,δ58°,λ67°.
ISC III 18 14 44 42±6.7 **17.9N**±.12 **120.3E**±.17 **43**±62 **3.7b** **11 20-89**
NEIC III 18 14 44 40.4 17.87N 120.32E 33 3.7b **¶97iii3553**
EIDC III 18 14 44 44.3 17.9N 120.4E 46 3.4b
NEIC Less reliable solution.
ISC III 27 20 02 19±1.1 **15.4N**±.18 **120.1E**±.26 **33** **3.7b** **5 21-51**
EIDC III 27 20 02 16.5 15.3N 120.2E 0 3.6b,2.2s **¶97iii5297**
NEIC III 27 20 02 19.0 15.35N 120.12E 33
NEIC Poor solution.
ISC IV 06 07 20 59.1±.67 **16.56N**±.067 **120.9E**±.18 **33** **3.7b** **12 0-90**
EIDC IV 06 07 20 56.9 16.5N 121.2E 0 3.7b,3.0s **¶97iv0958**
NEIC IV 06 07 20 59.6 16.42N 120.85E 33 4.1b
NEIC Poor solution.
ISC IV 08 05 12 45.3±.76 **14.95N**±.041 **119.91E**±.076 **58**±7.8 **4.4b,4.4s** **63 1-153**
EIDC IV 08 05 12 38.7 14.9N 120.1E 0 4.2b,4.4s **¶97iv1279**
BJI IV 08 05 12 42.2 14.56N 119.64E 34 4.6b,4.5s
NEIC IV 08 05 12 42.6 14.88N 119.92E 33 4.8b
MOS IV 08 05 12 43.0 15.0N 120.4E 33 4.8b
ISC IV 08 12 24 26±1.1 **14.94N**±.080 **120.1E**±.18 **86**±13 **3.8b** **13 1-92**
EIDC IV 08 12 24 17.5 15.0N 120.3E 0 3.7b,2.9s **¶97iv1332**
NEIC IV 08 12 24 20.1 14.91N 120.13E 33 3.8b
NEIC Poor solution.
ISC IV 08 18 07 10.8±.41 **18.40N**±.021 **120.96E**±.027 **78**±3.7 **5.9b** **606 0-172**
MOS IV 08 18 07 09.0 18.5N 121.0E 62 6.4b **¶97iv1381**
BJI IV 08 18 07 09.3 18.39N 121.01E 70 6.0b,5.4s
NEIC IV 08 18 07 09.5 18.32N 120.95E 71 6.0b
HRVD IV 08 18 07 10.7±.1 18.41N±.01 120.90E±.02 65±1.2
EIDC IV 08 18 07 13.0 18.5N 121.1E 87 5.6b,4.7s
NEIC Mw5.8(GS), Me5.5(GS)
NEIC Mw 5.8 (HRV). Felt in the Laoag area.
NEIC Radiated energy from the P−wave first−motion solution: 3.4±1.1×10^{12}Nm/11
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ30°,λ−60°. NP2:ϕ_S71°,δ64°,λ−106°. Principal axes: T Plg18°,Azm173°; P Plg67°,Azm312°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s21, scale 10^{17}Nm; M_{rr}−2.62; $M_{\theta\theta}$4.57; $M_{\phi\phi}$−1.95; $M_{r\theta}$−5.06; $M_{r\phi}$−0.98; $M_{\theta\phi}$0.00. Depth 65km; Principal axes: T 7.20,Plg27°,Azm177°; N −1.75,Plg11°, Azm81°; P −5.45,Plg60°,Azm331°. Best double couple: $M_0$6.3×10^{17}Nm; NP1:ϕ_S293°,δ20°, λ−56°. NP2:ϕ_S78°,δ73°,λ−102°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s53,c97; Mantle waves: s21,c25; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}−2.24±.09; $M_{\theta\theta}$4.12±.10; $M_{\phi\phi}$−1.88±.14; $M_{r\theta}$−4.86±.10; $M_{r\phi}$−1.10±.09; $M_{\theta\phi}$0.29±.10. Principal Axes: T 6.82,Plg29°,Azm174°; N −1.74,Plg10°,Azm78°; P −5.09,Plg59°,Azm330°. Best double couple: $M_0$6.0×10^{17}Nm, NP1:ϕ_S291°,δ19°,λ−56°. NP2:ϕ_S75°,δ74°,λ−101°.
ISC IV 19 08 39 39±1.7 **16.1N**±.12 **119.5E**±.17 **78**±16 **3.5b** **10 1-91**
EIDC IV 19 08 39 31.2 16.2N 119.9E 0 3.7b,3.3s **¶97iv3176**
NEIC IV 19 08 39 34.4 16.14N 119.65E 33
NEIC Single network solution.
ISC IV 21 13 37 08±1.3 **17.88N**±.087 **120.1E**±.14 **51**±12 **4.1b** **19 0-89**
EIDC IV 21 13 37 03.0 17.8N 120.3E 0 3.9b **¶97iv3487**
NEIC IV 21 13 37 05.8 17.82N 120.22E 33 4.6b
NEIC Less reliable solution.
ISC IV 27 01 02 35±1.0 **15.28N**±.066 **119.9E**±.15 **79**±11 **3.8b** **24 1-92**
EIDC IV 27 01 02 25.1 15.1N 120.4E 0 3.9b **¶97iv4636**
NEIC IV 27 01 02 28.1 15.01N 120.09E 33 4.1b
NEIC Poor solution.
ISC V 02 12 04 37±2.5 **15.3N**±.14 **119.2E**±.27 **33** **3.6b** **6 2-52**
EIDC V 02 12 03 38.1 23.4N 121.1E 0 3.7b **¶97v0260**
ISC V 04 03 15 33±2.2 **13.63N**±.092 **122.7E**±.11 **10**±14 **3.6b** **11 0-47**
EIDC V 04 03 15 32.6 13.7N 122.7E 0 3.5b **¶97v0548**
ISC V 05 04 33 44±1.0 **14.96N**±.052 **119.9E**±.13 **81**±9.7 **4.2b** **50 1-153**
EIDC V 05 04 33 35.6 14.9N 119.8E 0 4.2b,3.7s **¶97v0737**
NEIC V 05 04 33 39.1 14.89N 119.71E 33 4.7b
MOS V 05 04 33 39.9 15.0N 120.2E 33 4.9b
BJI V 05 04 33 42.5 14.90N 119.70E 33 4.6b,4.2s
ISC V 05 05 44 18.8±.72 **14.92N**±.028 **119.93E**±.044 **45**±6.7 **4.9b,5.1s** **220 1-172**
EIDC V 05 05 44 13.9 15.0N 120.0E 0 4.9b,4.8s **¶97v0746**
BJI V 05 05 44 16.9 14.83N 120.04E 39 4.8b,5.2s
NEIC V 05 05 44 17.3 14.91N 119.89E 33 5.3b,5.0s
MOS V 05 05 44 17.7 15.0N 120.0E 33 5.5b,5.2s
HRVD V 05 05 44 21.8±.2 15.08N±.04 119.74E±.03 42
NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c52; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.04; $M_{\theta\theta}$0.01±.06; $M_{\phi\phi}$−1.21±.05; $M_{r\theta}$−0.89±.12; $M_{r\phi}$−0.78±.07; $M_{\theta\phi}$0.02±.06. Principal Axes: T 1.84,Plg61°,Azm152°; N −0.36,Plg21°,Azm19°; P −1.48,Plg19°,Azm281°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S341°,δ32°,λ47°. NP2:ϕ_S208°,δ67°,λ113°.
ISC V 09 02 07 22±2.4 **16.8N**±.37 **120.3E**±.36 **113**±13 **3.8b** **6 0-52**
EIDC V 09 02 07 00.2 18.6N 121.8E 0 3.7b,2.8s **¶97v1344**
ISC V 13 11 26 17±1.3 **17.07N**±.072 **122.6E**±.13 **42**±12 **3.8b,3.3s** **21 1-89**
BJI V 13 11 26 22.9 16.90N 122.40E 100 4.3b **¶97v2237**
NEIC V 13 11 26 22.9 16.90N 122.40E 100 3.9b
EIDC V 13 11 26 28.0 16.9N 122.3E 133 3.5b,3.0s
NEIC Less reliable solution.
ISC V 13 21 56 31.5±.97 **17.09N**±.051 **122.64E**±.092 **42**±8.9 **4.1b,3.7s** **54 1-170**
MOS V 13 21 56 29.0 17.1N 123.1E 33 4.9b **¶97v2337**
NEIC V 13 21 56 30.1 17.02N 122.65E 33 4.3b
BJI V 13 21 56 31.5 17.26N 122.80E 29 4.4b,4.1s
EIDC V 13 21 56 32.8 17.0N 122.5E 44 3.9b,3.4s
ISC V 16 05 27 08±3.2 **15.57N**±.093 **120.2E**±.48 **33** **5 1-3**
¶97v2726
ISC V 18 01 49 18.3±.62 **18.86N**±.086 **121.5E**±.15 **33** **3.8b** **12 1-88**
EIDC V 18 01 49 13.9 18.7N 121.0E 0 3.9b,3.2s **¶97v3015**
NEIC V 18 01 49 17.7 18.79N 121.33E 33 4.1b
NEIC Poor solution.
ISC V 22 13 21 38.3±.60 **18.99N**±.023 **121.34E**±.029 **50**±5.4 **5.6b,5.6s** **531 1-173**
BJI V 22 13 21 35.7 19.12N 121.27E 8 5.4L,5.8b **¶97v3776**
NEIC V 22 13 21 36.3 18.92N 121.34E 34 5.7b,5.6s
MOS V 22 13 21 36.4 19.0N 121.3E 33 6.1b,5.7s
EIDC V 22 13 21 37.4 18.9N 121.4E 31 5.2b,5.3s
HRVD V 22 13 21 40.2±.1 19.09N 121.10E 39
BJI Ms5.6
NEIC Mw6.1(HRV), Me5.8(GS)
NEIC Mw 6.0 (GS). Felt I=III MM in Hong Kong.
NEIC Radiated energy from the P−wave first−motion solution: 1.3±0.3×10^{13}Nm/10
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S205°,δ65°,λ60°. NP2:ϕ_S79°,δ38°,λ137°. Principal axes: T Plg59°,Azm72°; P Plg15°,Azm316°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}9.00; $M_{\theta\theta}$0.80; $M_{\phi\phi}$−9.80; $M_{r\theta}$−2.40; $M_{r\phi}$−4.10; $M_{\theta\phi}$−4.10. Depth 33km; Principal axes: T 10.2,Plg76°,Azm138°; N 2.1,Plg6°, Azm21°; P −12.3,Plg12°,Azm290°. Best double couple: $M_0$1.1×10^{18}Nm; NP1:ϕ_S11°,δ33°, λ78°. NP2:ϕ_S205°,δ58°,λ98°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c104; Mantle waves: s32,c57; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}1.06±.01; $M_{\theta\theta}$−0.33±.01; $M_{\phi\phi}$−0.73±.02; $M_{r\theta}$−0.28±.03; $M_{r\phi}$−0.71±.02; $M_{\theta\phi}$−0.63±.01. Principal Axes: T 1.31,Plg71°,Azm97°; N 0.11,Plg8°,Azm212°; P −1.42,Plg17°,Azm304°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S46°,δ29°,λ107°. NP2:ϕ_S207°,δ62°,λ81°.
EIDC V 26 17 08 08.5 15.4N 120.2E 0 3.2b 1-41
¶97v4443
ISC V 31 23 21 10.8±.44 **16.62N**±.059 **120.05E**±.093 **33** **4.2b,3.6s** **31 1-90**
BJI V 31 23 21 07.6 16.48N 119.88E 14 4.6b,4.2s **¶97v5253**
EIDC V 31 23 21 07.7 16.6N 120.2E 0 4.2b,3.5s
MOS V 31 23 21 10.1 16.6N 119.8E 33 4.8b
NEIC V 31 23 21 10.5 16.59N 120.05E 33 4.6b
NEIC Less reliable solution.
EIDC VI 01 01 40 26.7 12.3N 123.2E 0 4.0b,3.1s **34-47**
¶97vi0011
ISC VI 03 15 42 40±1.0 **14.96N**±.064 **120.0E**±.13 **81**±10 **4.0b** **26 1-153**
EIDC VI 03 15 42 31.3 14.9N 120.0E 0 3.9b **¶97vi0481**
NEIC VI 03 15 42 34.8 14.85N 119.95E 33
BJI VI 03 15 42 35.0 14.89N 120.30E 36 4.3b
NEIC Less reliable solution.
ISC VI 04 07 15 22±1.2 **16.7N**±.17 **119.2E**±.21 **33** **4.2b** **4 19-43**
EIDC VI 04 07 15 19.5 16.6N 119.3E 0 4.2b,4.6L **¶97vi0572**
ISC Poorly determined
ISC VI 05 04 07 17.0±.81 **18.8N**±.10 **121.5E**±.17 **33** **3.8b**,3.5s **9 1-88**
EIDC VI 05 04 07 32.9 18.9N 121.8E 168 3.5b,3.6s **¶97vi0709**
EIDC VI 06 14 58 23.1 14.3N 122.4E 0 4.0b 0-79
¶97vi0946
ISC VI 06 19 08 11±1.2 **14.10N**±.065 **119.16E**±.094 **38**±12 **4.2b** **26 2-93**
NEIC VI 06 19 08 10.2 14.11N 119.22E 32 4.1b **¶97vi0976**
BJI VI 06 19 08 10.8 14.23N 119.60E 36 4.3b
EIDC VI 06 19 08 12.3 14.1N 119.3E 33 4.0b,3.1s
NEIC Less reliable solution.
ISC VI 07 09 37 33.8±.85 **18.48N**±.081 **120.8E**±.12 **53**±9.0 **3.6b** **12 0-88**
EIDC VI 07 09 37 28.2 18.5N 121.0E 0 3.7b **¶97vi1076**
NEIC VI 07 09 37 31.6 18.45N 120.90E 33
NEIC Single network solution.
ISC VI 07 14 50 42.7±.83 **18.4N**±.10 **121.1E**±.13 **33** **3.4b** **10 0-76**
EIDC VI 07 14 50 39.9 18.6N 121.4E 0 3.5b **¶97vi1111**
NEIC VI 07 14 50 42.9 18.56N 121.23E 33
NEIC Single network solution.
EIDC VI 13 10 16 03.6 14.7N 121.7E 0 3.5b 22-40
¶97vi1971
ISC VI 18 13 03 30±1.2 **12.1N**±.12 **123.5E**±.18 **50**±15 **3.5b**,2.9s **12 2-79**
EIDC VI 18 13 03 26.1 12.1N 123.8E 0 3.5b,2.9s **¶97vi2787**
NEIC VI 18 13 03 30.7 12.12N 123.79E 50 4.2b
NEIC Poor solution.
EIDC VI 23 06 56 23.0 14.8N 121.5E 0 3.8b 7-40
¶97vi3490
ISC VI 26 04 27 54.6±.99 **17.6N**±.13 **120.2E**±.12 **33** **3.8b** **14 1-117**
BJI VI 26 04 27 59.9 17.37N 119.51E 178 4.8b **¶97vi4083**
EIDC VI 26 04 28 14.6 17.5N 119.7E 211 3.1b
ISC VI 27 09 03 35±1.9 **16.14N**±.068 **120.3E**±.11 **19**±13 **3.8b,3.5s** **28 0-118**
EIDC VI 27 09 03 33.7 16.0N 120.3E 0 3.7b,3.5s **¶97vi4265**
NEIC VI 27 09 03 36.8 16.08N 120.35E 33 4.2b
BJI VI 27 09 03 37.5 16.42N 120.93E 43 4.4b,4.1s
NEIC Less reliable solution.
EIDC VI 30 03 28 49.0 14.8N 124.0E 0 4.2b 36-49
¶97vi4703

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ISC I 17 01 43 57±5.6 **13.8N**±.10 **120.8E**±.20 **212**±58 **3.6b** **14 21-93**
NEIC I 17 01 43 56.2 13.78N 120.76E 200 **¶97i2387**
EIDC I 17 01 44 01.1 13.8N 120.7E 235 3.3b
NEIC Single network solution.
ISC III 03 05 51 52.3±.78 **13.3N**±.12 **120.9E**±.20 **150** **3.6b** **8 22-93**
NEIC III 03 05 51 52.1 13.28N 120.94E 150 4.2b **¶97iii0488**
EIDC III 03 05 51 52.9 13.2N 120.9E 150 3.3b
NEIC Less reliable solution.
ISC III 12 14 51 49±1.1 **13.51N**±.031 **121.07E**±.045 **34**±9.9 **4.9b,5.0s** **202 1-171**
EIDC III 12 14 51 45.8 13.5N 121.1E 0 4.8b,4.9s **¶97iii2552**
BJI III 12 14 51 48.1 13.53N 121.18E 31 5.1b,5.1s
MOS III 12 14 51 48.6 13.5N 121.1E 33 5.5b,5.0s
HRVD III 12 14 51 48.6±.3 13.55N±.06 120.97E±.05 15±3.3
NEIC III 12 14 51 49.2 13.45N 120.99E 33 5.2b,5.0s

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c23; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.75±.08; $M_{\theta\theta}$−0.35±.10; $M_{\phi\phi}$1.10±.07; $M_{r\theta}$0.85±.26; $M_{r\phi}$0.58±.23; $M_{\theta\phi}$0.63±.08. Principal Axes: T 1.66,Plg21°,Azm296°; N −0.23, Plg30°,Azm39°; P −1.43,Plg52°,Azm177°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_s346°,δ36°,λ−148°. NP2:ϕ_s229°,δ72°,λ−58°.						
NEIC	Mw5.4(HRV).							
ISC	**III**	**13 12 12 42.4**±.60	**13.50N**±.081	**121.1E**±.12	**33**	**4.2b,3.7s**	**20**	**3-119**
EIDC	III	13 12 12 39.4	13.5N	121.2E	0	4.1b,3.4s		**¶97iii2699**
NEIC	III	13 12 12 42.2	13.49N	121.12E	33	3.9b		
BJI	III	13 12 12 48.2	14.21N	120.95E	33	4.6b,4.3s		
NEIC	Less reliable solution.							
ISC	**III**	**13 20 01 40.2**±.79	**13.6N**±.13	**120.9E**±.19	**150**	**3.9b**	**11**	**22-79**
BJI	III	13 20 01 39.7	14.11N	121.11E	119	4.8b		**¶97iii2758**
NEIC	III	13 20 01 40.5	13.56N	120.85E	150	3.7b		
EIDC	III	13 20 01 41.0	13.6N	120.8E	143	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**24 06 46 10**±1.2	**13.3N**±.17	**121.4E**±.52	**33**	**3.8b**	**5**	**25-50**
EIDC	III	24 06 46 08.2	13.3N	122.1E	0	3.8b		**¶97iii4541**
ISC	**IV**	**08 21 38 12.6**±.88	**13.6N**±.12	**121.0E**±.21	**184**±7.3	**3.7b**	**14**	**0-119**
BJI	IV	08 21 38 08.9	13.53N	120.94E	150	4.5b		**¶97iv1411**
NEIC	IV	08 21 38 09.1	13.56N	120.98E	150			
EIDC	IV	08 21 38 12.3	13.5N	120.9E	166	3.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**13 17 27 24.5**±.49	**13.14N**±.057	**120.19E**±.093	**33**	**4.0b**	**23**	**1-93**
EIDC	IV	13 17 27 20.1	13.5N	120.6E	0	4.0b		**¶97iv2273**
NEIC	IV	13 17 27 24.2	13.34N	120.47E	33	4.3b		
BJI	IV	13 17 27 25.4	13.13N	120.50E	33			
NEIC	Less reliable solution.							
ISC	**IV**	**14 03 35 32**±1.1	**13.8N**±.11	**120.5E**±.16	**110**±8.7	**3.9b**	**21**	**1-93**
EIDC	IV	14 03 36 00.1	15.1N	119.7E	281	3.4b		**¶97iv2379**
NEIC	IV	14 03 36 00.2	15.12N	119.80E	300			
ISC	**IV**	**14 17 43 04**±1.4	**13.9N**±.12	**120.4E**±.23	**108**±30		**6**	**1-4**
								¶97iv2489
ISC	**IV**	**15 10 51 22**±1.2	**13.7N**±.11	**121.0E**±.17	**33**	**3.5b**,3.0s	**9**	**0-39**
EIDC	IV	15 10 51 20.7	13.7N	121.5E	0	3.5b,3.0s		**¶97iv2593**
ISC	**IV**	**18 02 13 01.1**±.72	**13.73N**±.097	**121.0E**±.20	**216**±7.5	**3.5b**	**11**	**0-93**
EIDC	IV	18 02 12 39.2	13.9N	121.5E	0	3.7b		**¶97iv3012**
NEIC	IV	18 02 12 42.2	13.93N	121.41E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**20 22 27 51.5**±.75	**13.92N**±.063	**120.5E**±.12	**100**±8.6	**4.1b**	**20**	**1-80**
EIDC	IV	20 22 27 47.6	14.2N	120.9E	56	3.8b,2.7s		**¶97iv3368**
NEIC	IV	20 22 27 50.7	14.18N	120.95E	100	4.0b		
BJI	IV	20 22 27 52.8	13.84N	120.45E	116	4.5b		
NEIC	Less reliable solution.							
EIDC	**VI**	**06 11 31 09.9**	**12.3N**	**121.9E**	**0**	**3.5b**		**2-48**
								¶97vi0931
ISC	**VI**	**23 08 52 06.5**±.58	**13.83N**±.058	**120.8E**±.13	**101**±6.1	**4.0b**	**30**	**0-93**
EIDC	VI	23 08 51 55.6	14.0N	121.1E	0	3.9b		**¶97vi3502**
BJI	VI	23 08 51 58.0	13.66N	120.71E	19	4.6b		
NEIC	VI	23 08 51 59.0	13.97N	120.99E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**24 09 50 06.5**±.68	**13.54N**±.059	**121.0E**±.13	**126**±6.9	**3.9b**	**24**	**1-151**
EIDC	VI	24 09 49 54.0	13.6N	121.2E	0	3.8b		**¶97vi3691**
NEIC	VI	24 09 49 56.9	13.58N	121.09E	33	4.6b		
MOS	VI	24 09 49 57.8	13.8N	120.5E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**VI**	**25 20 22 27.2**±.39	**13.07N**±.050	**121.17E**±.094	**33**	**4.3b**	**29**	**0-79**
EIDC	VI	25 20 22 24.3	13.1N	121.3E	0	4.2b		**¶97vi4024**
MOS	VI	25 20 22 26.9	13.0N	121.2E	33	4.8b		
NEIC	VI	25 20 22 27.0	13.07N	121.18E	33	4.8b		
BJI	VI	25 20 22 28.2	13.22N	121.44E	43	4.4b		
NEIC	Less reliable solution.							

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ISC	**I**	**04 16 22 16**±1.4	**11.81N**±.040	**125.29E**±.056	**63**±13	**4.8b**	**111**	**5-166**
MOS	I	04 16 22 13.1	11.7N	125.2E	37	5.3b		**¶97i0553**
BJI	I	04 16 22 13.9	11.71N	125.42E	59	4.8b		
NEIC	I	04 16 22 13.9	11.78N	125.23E	46	4.9b,4.0s		
EIDC	I	04 16 22 14.9	11.8N	125.3E	42	4.6b		
ISC	**I**	**05 11 58 53.4**±.70	**13.0N**±.12	**125.5E**±.24	**49**	**4.0b**	**10**	**26-83**
NEIC	I	05 11 58 53.4	13.00N	125.49E	49	4.4b		**¶97i0665**
EIDC	I	05 11 58 54.7	13.0N	125.5E	49	3.7b		
NEIC	Less reliable solution.							
ISC	**I**	**12 00 00 33.9**±.68	**11.13N**±.099	**125.8E**±.16	**33**	**4.0b**	**27**	**25-86**
EIDC	I	12 00 00 30.6	11.1N	125.9E	0	3.8b		**¶97i1598**
NEIC	I	12 00 00 33.8	11.12N	125.79E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**I**	**15 17 43 20**±2.7	**12.58N**±.088	**125.5E**±.13	**39**±24	**4.3b**	**31**	**5-117**
EIDC	I	15 17 43 16.3	12.5N	125.3E	0	4.0b		**¶97i2184**
NEIC	I	15 17 43 19.4	12.58N	125.42E	33	4.7b		
BJI	I	15 17 43 20.2	12.94N	125.73E	31	4.4b		
NEIC	Less reliable solution.							
ISC	**I**	**25 13 26 13.6**±.59	**11.6N**±.12	**125.6E**±.13	**33**	**4.1b**	**23**	**27-148**
EIDC	I	25 13 26 10.1	11.6N	125.7E	0	3.9b		**¶97i3819**
NEIC	I	25 13 26 13.7	11.55N	125.59E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**I**	**27 03 27 02**±1.9	**11.06N**±.088	**125.9E**±.19	**172**±19	**4.4b**	**39**	**4-118**
MOS	I	27 03 27 06.9	11.2N	126.1E	220	4.4b		**¶97i4040**
BJI	I	27 03 27 06.9	10.43N	125.08E	233	4.8b		
NEIC	I	27 03 27 09.5	10.59N	125.17E	223	4.7b		
EIDC	I	27 03 27 10.5	10.6N	125.3E	225	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**28 09 20 40.8**±.38	**12.41N**±.062	**125.6E**±.11	**25**	**4.5b**,4.3s	**33**	**5-148**
EIDC	I	28 09 20 38.5	12.4N	125.5E	0	4.2b		**¶97i4192**
BJI	I	28 09 20 41.0	12.79N	125.93E	25	4.5b,4.4s		
NEIC	I	28 09 20 41.7	12.40N	125.46E	33	4.9b		
ISC	**I**	**29 09 06 17.4**±.95	**11.7N**±.20	**125.7E**±.33	**33**	**4.0b**	**7**	**27-85**
EIDC	I	29 09 06 13.9	11.8N	125.9E	0	4.1b		**¶97i4327**
NEIC	I	29 09 06 17.3	11.69N	125.75E	33			
NEIC	Poor solution.							
ISC	**I**	**31 04 48 42**±4.4	**12.4N**±.17	**125.6E**±.34	**37**±40	**4.0b**	**7**	**6-84**
EIDC	I	31 04 48 38.6	12.4N	125.5E	0	3.9b		**¶97i4586**
NEIC	I	31 04 48 41.9	12.43N	125.57E	33			
NEIC	Poor solution.							
ISC	**II**	**08 23 50 44.9**±.74	**12.0N**±.11	**125.7E**±.25	**38**±4.9*	**3.8b**	**9**	**22-84**
NEIC	II	08 23 50 44.4	12.04N	125.67E	33			**¶97ii1224**
EIDC	II	08 23 50 45.5	12.0N	125.6E	27	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**24 05 52 01**±2.3	**11.8N**±.11	**125.5E**±.24	**77**±24	**4.1b**	**22**	**5-148**
NEIC	II	24 05 51 56.7	11.88N	125.66E	33	4.8b		**¶97ii3431**
BJI	II	24 05 51 58.1	12.06N	125.88E	46	4.3b		
MOS	II	24 05 52 02.9	13.2N	125.4E	33	4.9b		
EIDC	II	24 05 52 03.7	11.7N	125.5E	85	3.9b		
NEIC	Poor solution.							
ISC	**III**	**11 14 34 37**±6.1	**11.7N**±.10	**125.3E**±.20	**57**±57	**3.9b**	**14**	**21-95**
BJI	III	11 14 34 32.2	11.99N	126.07E	21			**¶97iii2395**
NEIC	III	11 14 34 34.3	11.69N	125.36E	33	3.7b		
EIDC	III	11 14 34 43.9	11.6N	125.3E	105	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**14 02 29 35.4**±.57	**12.5N**±.11	**125.3E**±.31	**33**	**4.0b**	**14**	**33-149**
EIDC	III	14 02 29 31.8	12.5N	125.2E	0	3.9b		**¶97iii2800**
NEIC	III	14 02 29 35.2	12.46N	125.35E	33	4.0b		
NEIC	Poor solution.							
ISC	**III**	**29 11 24 41.8**±.69	**12.3N**±.11	**125.3E**±.21	**33**	**4.0b**,3.2s	**12**	**26-92**
EIDC	III	29 11 24 38.1	12.3N	125.3E	0	3.9b,3.2s		**¶97iii5578**
NEIC	III	29 11 24 41.8	12.27N	125.28E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**01 11 27 18**±1.3	**12.75N**±.079	**124.6E**±.14	**68**±12	**4.2b**	**31**	**2-149**
BJI	IV	01 11 27 16.6	12.57N	124.47E	53	4.3b,4.4s		**¶97iv0061**
NEIC	IV	01 11 27 17.9	12.73N	124.54E	66	4.7b		
EIDC	IV	01 11 27 19.6	12.7N	124.7E	63	3.8b,4.1s		
NEIC	Less reliable solution.							
ISC	**IV**	**02 03 26 22.3**±.86	**11.6N**±.11	**125.9E**±.14	**33**	**4.2b**	**12**	**1-78**
EIDC	IV	02 03 26 20.2	11.6N	126.4E	0	4.0b		**¶97iv0185**
NEIC	IV	02 03 26 21.9	11.53N	125.36E	33	4.5b		
NEIC	Poor solution.							
ISC	**IV**	**03 03 39 20**±3.1	**11.5N**±.11	**125.8E**±.28	**46**±28	**4.0b**	**12**	**1-91**
NEIC	IV	03 03 39 25.5	11.49N	126.03E	100	4.3b		**¶97iv0375**
EIDC	IV	03 03 39 28.4	11.5N	126.3E	110	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**16 22 53 58.2**±.83	**12.86N**±.038	**124.97E**±.070	**52**±7.7	**4.5b,4.2s**	**97**	**2-149**
MOS	IV	16 22 53 55.5	12.8N	124.8E	33	5.2b		**¶97iv2817**
BJI	IV	16 22 53 55.5	12.76N	125.20E	36	4.7b,4.5s		
NEIC	IV	16 22 53 56.1	12.81N	124.89E	33	4.9b		
EIDC	IV	16 22 53 56.7	12.9N	124.8E	29	4.1b,3.8s		
HRVD	IV	16 22 53 57.1±.7	12.91N±.09	125.42E±.16	20±8.4			
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c15; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.62±.90; $M_{\theta\theta}$4.20±.80; $M_{\phi\phi}$0.42±1.34; $M_{r\theta}$2.37±2.58; $M_{r\phi}$2.65±1.98; $M_{\theta\phi}$−1.33±.63. Principal Axes: T 4.91,Plg11°,Azm10°; N 1.54, Plg24°,Azm275°; P −6.45,Plg63°,Azm123°. Best double couple: $M_0$5.7×10^{16}Nm, NP1: ϕ_s128°,δ40°,λ−50°. NP2:ϕ_s260°,δ60°,λ−118°.						
ISC	**IV**	**28 12 06 36**±1.5	**12.96N**±.082	**124.9E**±.16	**62**±14	**4.0b**	**21**	**2-149**
EIDC	IV	28 12 06 30.2	12.9N	125.1E	0	4.0b		**¶97iv4914**
ISC	**V**	**01 13 19 36.7**±.85	**11.5N**±.11	**125.8E**±.14	**33**	**3.6b**	**9**	**1-63**
EIDC	V	01 13 19 34.8	11.3N	125.5E	0	3.6b		**¶97v0109**
NEIC	V	01 13 19 36.9	11.40N	125.63E	33			
NEIC	Poor solution.							
ISC	**VI**	**17 15 21 44**±1.2	**12.57N**±.073	**125.1E**±.14	**54**±11	**4.2b**,3.4s	**39**	**1-149**
EIDC	VI	17 15 21 38.3	12.5N	124.8E	0	4.0b,3.4s		**¶97vi2652**
BJI	VI	17 15 21 40.2	12.61N	125.36E	33	4.4b		
MOS	VI	17 15 21 41.1	12.5N	125.1E	33	4.9b		
NEIC	VI	17 15 21 41.3	12.53N	124.94E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**VI**	**17 19 00 01**±1.3	**11.80N**±.081	**125.4E**±.15	**60**±13	**3.9b**	**22**	**1-148**
EIDC	VI	17 18 59 54.9	11.7N	125.6E	0	3.9b,3.0s		**¶97vi2678**
NEIC	VI	17 18 59 58.0	11.78N	125.45E	33	4.3b		
NEIC	Less reliable solution.							

(253) Sulu Sea.

ISC	**V**	**12 09 33 31**±1.0	**9.6N**±.18	**121.5E**±.16	**33**	**3.6b**	**8**	**3-147**
EIDC	V	12 09 33 26.9	9.7N	121.5E	0	3.7b		**¶97v1930**
ISC	**V**	**12 18 43 12**±2.7	**9.93N**±.066	**121.52E**±.074	**19**±20	**4.1b,4.0s**	**36**	**3-148**
EIDC	V	12 18 43 10.5	9.9N	121.6E	0	4.0b,3.5s		**¶97v2023**
BJI	V	12 18 43 12.5	10.06N	121.73E	26	4.5b,4.3s		
NEIC	V	12 18 43 13.8	9.94N	121.75E	33	4.9b		
MOS	V	12 18 43 14.0	9.8N	121.7E	33	5.1b		
NEIC	Less reliable solution.							
ISC	**V**	**13 20 51 44**±1.0	**9.8N**±.17	**121.3E**±.10	**33**	**3.6b**	**6**	**3-35**
EIDC	V	13 20 51 41.7	9.7N	121.3E	0	3.6b		**¶97v2324**
ISC	**VI**	**02 01 44 20**±1.1	**9.69N**±.096	**121.9E**±.18	**0**	**4.0b**	**9**	**3-45**
EIDC	VI	02 01 44 28.2	9.4N	123.3E	0	4.0b		**¶97vi0161**
EIDC	**VI**	**16 18 30 07.9**	**7.0N**	**120.4E**	**0**	**3.9b**		**7-101**
								¶97vi2500
ISC	**VI**	**26 15 22 20.2**±.73	**9.9N**±.12	**121.7E**±.11	**33**	**3.8b**	**14**	**3-147**
EIDC	VI	26 15 22 16.9	9.9N	121.7E	0	3.7b		**¶97vi4164**
NEIC	VI	26 15 22 20.5	9.94N	121.80E	33	4.1b		
NEIC	Poor solution.							

(254) Panay.

ISC	**I**	**11 14 26 53.4**±.76	**10.0N**±.14	**121.7E**±.22	**33**	**3.7b**	**9**	**24-96**
EIDC	I	11 14 26 50.3	10.0N	121.7E	0	3.6b		**¶97i1534**
NEIC	I	11 14 26 53.1	10.04N	121.69E	33			
NEIC	Poor solution.							
ISC	**I**	**30 18 32 35**±1.7	**10.26N**±.064	**121.7E**±.10	**45**±17	**4.4b,4.2s**	**30**	**5-96**
EIDC	I	30 18 32 30.1	10.3N	121.6E	0	4.0b		**¶97i4523**
BJI	I	30 18 32 32.7	10.22N	121.76E	33	4.8b,4.6s		
NEIC	I	30 18 32 33.4	10.26N	121.68E	33	4.8b		
NEIC	Less reliable solution.							
ISC	**II**	**08 16 35 57**±1.1	**10.4N**±.22	**121.4E**±.29	**33**	**3.7b**	**5**	**23-96**
EIDC	II	08 16 35 53.4	10.5N	121.5E	0	3.7b		**¶97ii1172**
ISC	**II**	**12 17 21 24.1**±.92	**10.28N**±.029	**121.65E**±.046	**39**±8.6	**5.0b,4.5s**	**128**	**4-169**
EIDC	II	12 17 21 19.7	10.3N	121.6E	0	4.9b		**¶97ii1799**
HRVD	II	12 17 21 22.4±.6	10.17N±.08	121.62E±.12	18±6.3			
BJI	II	12 17 21 22.9	10.25N	121.68E	32	5.2b,4.7s		
MOS	II	12 17 21 23.0	10.2N	121.6E	33	5.6b,4.6s		
NEIC	II	12 17 21 23.4	10.26N	121.56E	33	5.2b,4.6s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c20; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.16±1.27; $M_{\theta\theta}$3.21±.69; $M_{\phi\phi}$1.95±1.78; $M_{r\theta}$2.82±2.15; $M_{r\phi}$−5.12±2.80; $M_{\theta\phi}$0.17±.85. Principal Axes: T 5.42,Plg29°,Azm50°; N 3.01, Plg5°,Azm143°; P −8.42,Plg61°,Azm243°. Best double couple: $M_0$6.9×10^{16}Nm, NP1: ϕ_s126°,δ17°,λ−109°. NP2:ϕ_s325°,δ74°,λ−84°.						
NEIC	Mw5.2(HRV).							
ISC	**II**	**13 22 03 18**±2.2	**10.28N**±.036	**121.66E**±.056	**32**±16	**4.7b,4.3s**	**97**	**5-169**
BJI	II	13 22 03 16.9	10.25N	121.72E	32	5.0b,4.6s		**¶97ii1985**
MOS	II	13 22 03 17.3	10.2N	121.6E	33	5.5b		
NEIC	II	13 22 03 17.6	10.24N	121.63E	33	5.0b,4.2s		

EIDC	II	13 22 03 20.0	10.2N	121.6E	43	4.4b,4.1s		
ISC	**II**	**13 22 27 19**±2.8	**10.24N**±.070	**121.7E**±.14	**57**±27	**4.3b**	**31**	**7-148**
EIDC	II	13 22 27 15.9	10.2N	121.5E	16	4.1b		**¶97ii1988**
MOS	II	13 22 27 16.1	10.3N	121.8E	33	4.9b		
BJI	II	13 22 27 16.1	10.28N	121.97E	33	4.7b		
NEIC	II	13 22 27 16.5	10.19N	121.63E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**II**	**24 23 06 09**±1.6	**10.7N**±.13	**122.7E**±.62	**33**	**3.8b**	**7**	**29-95**
EIDC	II	24 23 06 02.8	10.7N	121.7E	0	3.8b		**¶97ii3550**
NEIC	II	24 23 06 09.1	10.66N	122.77E	33	3.7b		
NEIC	Poor solution.							
ISC	**II**	**28 13 38 46**±5.9	**10.29N**±.068	**121.9E**±.16	**32**±43	**4.3b**	**30**	**7-148**
EIDC	II	28 13 38 43.0	10.4N	121.8E	0	4.1b		**¶97ii4260**
BJI	II	28 13 38 46.1	10.48N	122.07E	28	4.5b		
NEIC	II	28 13 38 46.2	10.30N	121.78E	33	4.8b		
MOS	II	28 13 38 46.3	10.3N	122.0E	33	5.1b		
NEIC	Less reliable solution.							
ISC	**III**	**06 17 16 11.2**±.71	**10.1N**±.11	**121.8E**±.21	**33**	**3.8b**,4.0s	**11**	**24-148**
EIDC	III	06 17 16 07.9	10.1N	121.6E	0	3.8b		**¶97iii1318**
NEIC	III	06 17 16 10.9	10.12N	121.70E	33			
NEIC	Single network solution.							
ISC	**III**	**14 17 19 37.3**±.71	**10.2N**±.14	**121.6E**±.22	**25**	**3.9b**,2.9s	**12**	**23-148**
EIDC	III	14 17 19 35.3	10.3N	121.6E	0	3.8b,2.9s		**¶97iii2920**
BJI	III	14 17 19 37.7	10.33N	121.64E	25	4.7b		
NEIC	III	14 17 19 38.3	10.20N	121.63E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**31 08 59 54**±1.6	**10.88N**±.054	**122.28E**±.095	**49**±15	**4.6b,4.2s**	**56**	**5-165**
EIDC	III	31 08 59 47.6	11.0N	122.2E	0	4.5b,4.2s		**¶97iii5868**
NEIC	III	31 08 59 51.9	10.96N	122.35E	33	4.8b,4.1s		
MOS	III	31 08 59 52.8	10.9N	122.6E	33	5.0b		
BJI	III	31 08 59 52.9	10.96N	122.22E	32	4.7b,4.3s		
NEIC	Less reliable solution.							
ISC	**III**	**31 21 53 46.0**±.95	**11.1N**±.17	**122.2E**±.27	**33**	**4.3b**,3.1s	**10**	**24-49**
EIDC	III	31 21 53 42.9	11.0N	122.1E	0	4.0b,3.0s		**¶97iii5938**
NEIC	III	31 21 53 46.0	11.06N	122.21E	33	4.6b		
NEIC	Poor solution.							
ISC	**IV**	**20 13 24 35**±2.0	**10.3N**±.12	**121.7E**±.21	**76**±19	**3.6b**	**13**	**3-84**
EIDC	IV	20 13 24 27.8	10.4N	122.1E	0	3.7b,3.4s		**¶97iv3319**
ISC	**V**	**12 13 45 26.4**±.14	**10.24N**±.024	**121.71E**±.033	**33**	**5.4b,5.8s**	**330**	**3-169**
EIDC	V	12 13 45 22.5	10.2N	121.6E	0	5.2b,5.4s		**¶97v1969**
HRVD	V	12 13 45 25.9±.2	10.11N±.02	121.44E±.02	29±1.9			
BJI	V	12 13 45 26.1	10.22N	121.65E	37	5.5b,6.0s		
MOS	V	12 13 45 26.3	10.2N	121.7E	33	6.2b,5.8s		
NEIC	V	12 13 45 26.3	10.18N	121.66E	33	5.5b,5.8s		

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s47,c84; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.40±.11; $M_{\theta\theta}$−0.46±.14; $M_{\phi\phi}$1.86±.17; $M_{r\theta}$0.92±.28; $M_{r\phi}$2.71±.31; $M_{\theta\phi}$−7.90±.12. Principal Axes: T 8.90,Plg8°,Azm230°; N −0.70, Plg68°,Azm342°; P −8.20,Plg20°,Azm137°. Best double couple: $M_0$8.6×10^{17}Nm, NP1: ϕ_S276°,δ70°,λ−171°. NP2:ϕ_S182°,δ82°,λ−21°.

NEIC Mw5.9(GS), Ms5.9(BRK).

NEIC Mw 5.9 (HRV).

NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−0.29; $M_{\theta\theta}$−2.87; $M_{\phi\phi}$3.16; $M_{r\theta}$3.08; $M_{r\phi}$1.49; $M_{\theta\phi}$−7.74. Depth 11km; Principal axes: T 8.48,Plg4°,Azm55°; N 0.94,Plg69°, Azm315°; P −9.42,Plg20°,Azm146°. Best double couple: $M_0$9.0×10^{17}Nm; NP1:ϕ_S189°,δ73°, λ−12°. NP2:ϕ_S282°,δ78°,λ−163°.

ISC	**V**	**12 14 07 01**±1.0	**10.20N**±.063	**121.63E**±.090	**33**±11	**4.1b**	**28**	**3-148**
EIDC	V	12 14 06 57.1	10.1N	121.6E	0	4.1b		**¶97v1975**
BJI	V	12 14 07 00.5	9.93N	121.77E	53	4.3b		
NEIC	V	12 14 07 00.5	10.20N	121.59E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**12 14 18 09.1**±.97	**10.21N**±.055	**121.47E**±.073	**39**±9.6	**4.2b**	**40**	**3-148**
EIDC	V	12 14 18 04.7	10.2N	121.5E	0	4.2b		**¶97v1977**
BJI	V	12 14 18 06.2	9.79N	121.63E	42	4.6b		
NEIC	V	12 14 18 08.2	10.21N	121.49E	33	4.5b		
MOS	V	12 14 18 08.6	10.2N	121.4E	33	5.1b		
NEIC	Less reliable solution.							
ISC	**V**	**12 15 20 53**±1.0	**10.19N**±.057	**121.52E**±.074	**34**±10	**4.1b**,3.7s	**33**	**3-148**
EIDC	V	12 15 20 49.3	10.2N	121.4E	0	4.0b,4.9L		**¶97v1994**
NEIC	V	12 15 20 52.8	10.21N	121.53E	33	4.6b		
MOS	V	12 15 20 52.9	10.1N	121.4E	33	5.0b		
BJI	V	12 15 20 54.8	10.20N	121.50E	33	4.8b		
NEIC	Less reliable solution.							
ISC	**V**	**12 22 44 29**±1.3	**10.3N**±.10	**121.38E**±.094	**51**±14	**3.8b**	**12**	**3-96**
EIDC	V	12 22 44 23.2	10.5N	121.6E	0	3.8b		**¶97v2060**
ISC	**V**	**15 21 06 23**±2.3	**10.06N**±.053	**121.74E**±.071	**33**±18	**4.3b**,3.8s	**39**	**3-148**
EIDC	V	15 21 06 19.5	10.1N	121.7E	0	4.3b,3.5s		**¶97v2678**
MOS	V	15 21 06 22.5	10.1N	122.0E	33	4.9b		
NEIC	V	15 21 06 22.9	10.08N	121.72E	33	4.7b		
BJI	V	15 21 06 23.1	10.11N	121.97E	32	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**15 23 52 25**±1.1	**11.2N**±.11	**122.4E**±.15	**33**	**3.4b**	**6**	**3-94**
EIDC	V	15 23 52 25.6	10.5N	121.7E	0	3.5b		**¶97v2696**
ISC	**V**	**25 07 14 45.9**±.74	**10.25N**±.098	**121.4E**±.10	**33**	**3.8b**	**12**	**3-96**
EIDC	V	25 07 14 45.4	10.1N	121.9E	0	3.8b		**¶97v4235**
ISC	**V**	**31 09 17 03**±1.6	**11.9N**±.17	**121.2E**±.14	**139**±17	**4.1b**	**6**	**3-48**
EIDC	V	31 09 17 08.2	10.4N	123.5E	0	4.1b		**¶97v5174**
ISC	**VI**	**07 15 56 03**±6.6	**10.0N**±.14	**121.4E**±.10	**5**±42	**3.7b**	**8**	**3-86**
EIDC	VI	07 15 56 03.2	10.1N	121.4E	0	3.7b		**¶97vi1115**
NEIC	VI	07 15 56 06.7	10.03N	121.38E	33			
NEIC	Poor solution.							

(255) Cebu.

ISC	**IV**	**12 15 17 36.5**±.90	**10.0N**±.12	**123.7E**±.16	**42**±1.9*	**4.1b**	**11**	**2-95**
EIDC	IV	12 15 17 44.6	11.4N	123.1E	39	3.8b		**¶97iv2085**

(256) Leyte.

ISC	**I**	**13 08 06 31.8**±.83	**10.3N**±.12	**125.2E**±.38	**33**	**3.9b**,4.2s	**9**	**29-85**
EIDC	I	13 08 06 28.5	10.3N	125.1E	0	3.9b		**¶97i1804**
NEIC	I	13 08 06 31.7	10.31N	125.25E	33	4.7b		
NEIC	Poor solution.							
ISC	**II**	**09 04 33 04**±6.4	**11.14N**±.097	**124.9E**±.19	**11**±39	**4.3b,4.3s**	**23**	**4-95**
NEIC	II	09 04 33 06.8	11.18N	124.79E	33	4.4b		**¶97ii1253**
BJI	II	09 04 33 08.0	11.20N	124.60E	27	4.6b,4.3s		
EIDC	II	09 04 33 15.2	11.0N	124.5E	99	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**07 03 26 10**±1.4	**10.25N**±.047	**125.89E**±.090	**65**±14	**4.6b**	**68**	**3-165**
MOS	III	07 03 26 08.6	10.2N	126.0E	50	5.1b		**¶97iii1420**
NEIC	III	07 03 26 08.6	10.26N	125.93E	50	4.8b		
BJI	III	07 03 26 09.7	10.30N	126.04E	62	4.9b,4.6s		
EIDC	III	07 03 26 10.0	10.3N	126.1E	48	4.4b		
ISC	**III**	**07 04 03 27**±3.1	**10.3N**±.16	**126.0E**±.29	**94**±29	**3.8b**	**10**	**3-94**
NEIC	III	07 04 03 21.0	10.31N	126.01E	33	4.6b		**¶97iii1433**
EIDC	III	07 04 03 27.1	10.5N	126.2E	74	3.7b		
NEIC	Poor solution.							
ISC	**III**	**15 03 24 40**±1.0	**10.1N**±.17	**125.3E**±.50	**33**	**3.8b**	**7**	**35-146**
EIDC	III	15 03 24 37.9	10.2N	125.8E	0	3.9b		**¶97iii2987**
ISC	**IV**	**08 16 56 35.1**±.68	**11.00N**±.038	**124.68E**±.072	**43**±6.7	**4.7b,4.3s**	**73**	**0-166**
BJI	IV	08 16 56 33.0	10.88N	124.78E	34	4.8b,4.7s		**¶97iv1365**
NEIC	IV	08 16 56 33.8	11.01N	124.60E	33	4.9b		
MOS	IV	08 16 56 34.0	11.0N	124.5E	33	5.0b		
EIDC	IV	08 16 56 40.3	11.0N	124.7E	75	4.3b		
NEIC	Felt in the central part of Leyte.							
EIDC	**V**	**25 10 12 39.9**	**10.9N**	**125.3E**	**0**	**4.0b**		**0-85**
								¶97v4255
ISC	**VI**	**11 04 45 29.6**±.87	**10.00N**±.033	**125.53E**±.055	**46**±8.4	**4.5b,4.4s**	**100**	**1-146**
MOS	VI	11 04 45 25.7	10.0N	125.5E	16	5.2b		**¶97vi1618**
NEIC	VI	11 04 45 32.3	9.96N	125.41E	73	4.6b		
BJI	VI	11 04 45 32.4	10.09N	125.64E	75	4.7b,4.6s		
EIDC	VI	11 04 45 33.6	10.0N	125.5E	66	4.2b,4.1s		
ISC	**VI**	**23 06 44 15**±1.5	**10.6N**±.14	**124.4E**±.70	**33**	**3.7b**	**5**	**25-63**
EIDC	VI	23 06 44 13.3	10.7N	125.0E	0	3.7b		**¶97vi3489**

(257) Negros.

ISC	**II**	**16 03 49 33**±1.3	**9.90N**±.045	**122.23E**±.079	**74**±13	**4.6b**	**66**	**4-168**
MOS	II	16 03 49 30.0	10.0N	122.2E	44	5.1b		**¶97ii2336**
NEIC	II	16 03 49 33.8	9.89N	122.21E	77	4.9b		
BJI	II	16 03 49 34.3	10.07N	122.42E	76	4.8b,4.4s		
EIDC	II	16 03 49 34.8	9.9N	122.3E	71	4.3b,3.8s		
EIDC	**IV**	**14 04 14 53.2**	**9.4N**	**123.0E**	**0**	**4.0b**,4.8L		**2-85**
								¶97iv2387
ISC	**IV**	**15 16 37 08**±1.0	**9.2N**±.14	**122.2E**±.15	**33**	**3.5b**	**5**	**3-51**
EIDC	IV	15 16 37 04.8	9.3N	122.4E	0	3.5b,2.9s		**¶97iv2626**
EIDC	**V**	**25 21 01 39.5**	**9.7N**	**122.8E**	**0**	**4.1b**		**4-45**
								¶97v4320
ISC	**VI**	**02 02 01 14.0**±.52	**9.80N**±.070	**122.1E**±.11	**33**	**4.1b**,3.6s	**25**	**3-121**
NEIC	VI	02 02 01 13.6	9.95N	122.27E	33			**¶97vi0163**
EIDC	VI	02 02 01 14.2	10.0N	122.2E	24	3.6b,3.4s		
BJI	VI	02 02 01 16.3	9.43N	121.59E	44	4.5b		
NEIC	Single network solution.							
ISC	**VI**	**18 11 18 43**±1.2	**9.31N**±.057	**122.21E**±.078	**51**±13	**4.3b,3.5s**	**36**	**3-168**
EIDC	VI	18 11 18 38.2	9.3N	122.2E	0	4.2b,3.3s		**¶97vi2778**
MOS	VI	18 11 18 41.7	9.2N	122.1E	36	4.8b		
BJI	VI	18 11 18 43.1	9.00N	122.04E	64	4.4b		
NEIC	VI	18 11 18 43.2	9.33N	122.26E	50	4.6b		
NEIC	Less reliable solution.							

(259) Mindanao.

EIDC	**I**	**02 07 26 16.9**	**5.5N**	**125.6E**	**0**	**3.8b**		**27-40**
								¶97i0171
ISC	**I**	**08 06 52 46**±1.5	**9.85N**±.047	**126.26E**±.094	**68**±14	**4.5b**	**56**	**3-118**
BJI	I	08 06 52 40.8	9.90N	126.66E	31	4.8b,4.4s		**¶97i1034**
NEIC	I	08 06 52 41.8	9.84N	126.36E	33	4.7b,4.3s		
EIDC	I	08 06 52 50.5	9.7N	126.3E	99	4.1b,3.9s		
ISC	**I**	**08 07 48 48.8**±.81	**9.8N**±.16	**126.7E**±.24	**33**	**3.8b**	**7**	**28-94**
EIDC	I	08 07 48 45.5	9.9N	126.9E	0	3.8b		**¶97i1039**
NEIC	I	08 07 48 48.8	9.81N	126.72E	33	3.9b		
NEIC	Poor solution.							
ISC	**I**	**08 20 14 14**±1.5	**7.32N**±.044	**126.93E**±.074	**73**±14	**4.3b**	**66**	**1-130**
BJI	I	08 20 14 09.7	7.23N	126.83E	38	4.9b		**¶97i1108**
NEIC	I	08 20 14 10.5	7.38N	127.14E	41	4.6b		
MOS	I	08 20 14 10.8	7.4N	126.9E	40	4.7b		
EIDC	I	08 20 14 12.5	7.3N	127.0E	41	4.1b		
EIDC	**I**	**09 17 22 30.2**	**9.0N**	**126.2E**	**0**	**3.4b**		**30-43**
								¶97i1255
EIDC	**I**	**15 12 34 27.1**	**9.0N**	**124.6E**	**0**	**3.7b**		**30-44**
								¶97i2156
ISC	**I**	**18 04 06 42.5**±.73	**5.82N**±.031	**126.22E**±.047	**140**±7.3	**4.9b**	**168**	**1-169**
BJI	I	18 04 06 41.5	5.81N	126.28E	134	4.9b		**¶97i2597**
MOS	I	18 04 06 41.7	5.8N	126.2E	133	5.1b		
NEIC	I	18 04 06 42.0	5.85N	126.25E	135	5.1b		
EIDC	I	18 04 06 43.0	5.8N	126.2E	129	4.5b		
ISC	**I**	**18 18 24 22.5**±.81	**5.21N**±.042	**124.66E**±.054	**401**±9.8	**4.4b**	**116**	**5-163**
BJI	I	18 18 24 21.6	5.15N	124.90E	405	4.7b		**¶97i2700**
NEIC	I	18 18 24 21.8	5.22N	124.60E	395	4.5b		
MOS	I	18 18 24 22.2	5.2N	124.6E	400	4.8b		
EIDC	I	18 18 24 24.0	5.2N	124.7E	405	4.1b		
ISC	**I**	**18 23 07 56.9**±.86	**9.2N**±.16	**126.4E**±.22	**33**	**3.7b**	**11**	**28-145**
EIDC	I	18 23 07 53.2	9.3N	126.6E	0	3.8b		**¶97i2733**
NEIC	I	18 23 07 56.8	9.25N	126.37E	33			
NEIC	Poor solution.							
ISC	**I**	**20 10 46 04.4**±.65	**10.0N**±.11	**126.2E**±.22	**33**	**3.9b**	**10**	**28-94**
EIDC	I	20 10 46 00.7	10.1N	126.3E	0	3.9b		**¶97i2988**
NEIC	I	20 10 46 04.4	10.00N	126.22E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**I**	**20 14 57 50**±1.2	**5.53N**±.063	**126.35E**±.098	**122**±12	**4.4b**	**49**	**2-142**
BJI	I	20 14 57 50.4	5.50N	126.30E	123	4.4b		**¶97i3024**
NEIC	I	20 14 57 50.4	5.52N	126.30E	123	4.5b		
EIDC	I	20 14 57 52.1	5.5N	126.4E	125	4.0b		
EIDC	**I**	**22 11 03 54.1**	**6.2N**	**123.8E**	**0**	**3.7b**		**28-84**
								¶97i3317
ISC	**I**	**24 02 15 55.5**±.54	**5.7N**±.12	**126.1E**±.17	**100**	**4.0b**	**20**	**27-90**
EIDC	I	24 02 15 45.4	5.6N	125.7E	0	4.1b		**¶97i3582**
NEIC	I	24 02 15 55.2	5.55N	125.71E	100	4.1b		
NEIC	Poor solution.							
ISC	**I**	**26 02 16 00**±1.4	**9.9N**±.26	**126.0E**±.82	**33**	**3.9b**	**4**	**34-94**
EIDC	I	26 02 15 56.8	10.1N	126.1E	0	3.9b		**¶97i3875**
ISC	Poorly determined							
ISC	**I**	**26 22 54 28.0**±.65	**9.5N**±.12	**126.7E**±.18	**52**	**4.2b**	**13**	**28-94**
NEIC	I	26 22 54 27.9	9.48N	126.67E	52	4.5b		**¶97i4010**
EIDC	I	26 22 54 29.3	9.5N	126.8E	50	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**27 12 59 05**±2.7	**9.55N**±.078	**126.4E**±.16	**44**±25	**4.3b**	**27**	**3-118**
EIDC	I	27 12 59 00.0	9.6N	126.2E	0	4.3b		**¶97i4087**
BJI	I	27 12 59 03.5	9.60N	126.30E	33			
NEIC	I	27 12 59 03.5	9.56N	126.32E	33	4.7b		
NEIC	Less reliable solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**28 08 20 59**±1.8	**5.42N**±.088	**126.4E**±.18	**64**±17	**4.4b**	**22**	**2-98**
NEIC	I	28 08 20 59.7	5.38N	126.30E	68			¶97i4184
EIDC	I	28 08 21 00.4	5.3N	126.3E	55	4.2b,4.3L		
NEIC	Less reliable solution.							
ISC	**I**	**28 20 51 02**±2.1	**5.5N**±.13	**126.4E**±.27	**69**±19	**3.9b**	**12**	**2-90**
NEIC	I	28 20 51 01.9	5.49N	126.43E	71			¶97i4259
EIDC	I	28 20 51 02.6	5.4N	126.5E	53	3.8b,4.0L		
NEIC	Poor solution.							
ISC	**I**	**28 22 37 34**±1.8	**6.08N**±.094	**126.6E**±.18	**68**±17	**4.2b**	**24**	**1-97**
BJI	I	28 22 37 34.4	6.10N	126.60E	72	4.6b		¶97i4268
NEIC	I	28 22 37 34.4	6.07N	126.58E	72	4.1b		
EIDC	I	28 22 37 35.5	6.2N	126.6E	63	4.0b,4.5L		
NEIC	Less reliable solution.							
ISC	**I**	**29 09 58 46**±1.5	**6.2N**±.22	**126.8E**±.88	**33**	**3.4b**	**4**	**27-88**
EIDC	I	29 09 58 42.7	6.3N	127.4E	0	3.6b		¶97i4332
ISC	Poorly determined							
ISC	**I**	**30 21 40 52**±1.1	**5.9N**±.11	**125.7E**±.25	**177**±11	**4.0b**	**17**	**1-121**
NEIC	I	30 21 40 51.8	5.91N	125.73E	176	4.3b		¶97i4545
EIDC	I	30 21 40 53.3	6.0N	125.9E	166	3.8b		
BJI	I	30 21 40 59.8	5.90N	125.70E	180	5.1b		
NEIC	Less reliable solution.							
EIDC	**II**	**01 00 42 22.9**	**6.9N**	**122.2E**	**0**	**4.1b**		**29-43**
								¶97ii0004
ISC	**II**	**02 17 18 18**±1.7	**5.2N**±.14	**126.7E**±.29	**129**±17	**3.7b**	**10**	**2-90**
NEIC	II	02 17 18 17.2	5.21N	126.69E	127	4.1b		¶97ii0249
EIDC	II	02 17 18 18.3	5.2N	126.7E	121	3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**03 13 29 33**±1.6	**9.68N**±.055	**126.3E**±.11	**102**±16	**4.2b**	**38**	**3-146**
NEIC	II	03 13 29 32.5	9.70N	126.28E	99	4.6b		¶97ii0379
BJI	II	03 13 29 32.8	9.65N	126.36E	107	4.7b		
EIDC	II	03 13 29 34.3	9.6N	126.3E	104	3.9b		
NEIC	Less reliable solution.							
ISC	**II**	**07 19 27 40**±1.0	**5.30N**±.068	**125.42E**±.090	**200**±12	**4.0b**	**26**	**2-122**
NEIC	II	07 19 27 40.4	5.29N	125.41E	200	4.4b		¶97ii1025
EIDC	II	07 19 27 41.0	5.3N	125.5E	188	3.5b		
ISC	**II**	**10 21 35 30**±5.7	**9.6N**±.26	**126.1E**±.68	**46**±55	**3.8b**	**7**	**3-94**
EIDC	II	10 21 35 24.8	9.7N	126.1E	0	3.8b,4.3L		¶97ii1522
NEIC	II	10 21 35 28.2	9.64N	126.25E	33			
NEIC	Single network solution.							
ISC	**II**	**11 02 48 21.1**±.65	**7.6N**±.15	**126.5E**±.40	**33**	**4.0b**	**11**	**28-119**
EIDC	II	11 02 48 17.5	7.7N	126.4E	0	4.2b		¶97ii1573
NEIC	II	11 02 48 20.9	7.66N	126.53E	33			
NEIC	Less reliable solution.							
ISC	**II**	**16 05 59 00.1**±.85	**5.16N**±.080	**125.42E**±.070	**196**±8.9	**4.4b**	**34**	**2-90**
NEIC	II	16 05 58 59.2	5.16N	125.26E	192	4.8b		¶97ii2344
EIDC	II	16 05 58 59.7	5.1N	125.2E	181	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**19 09 52 54.0**±.64	**9.4N**±.11	**125.6E**±.37	**33**	**4.3b**	**11**	**2-95**
EIDC	II	19 09 52 50.4	9.5N	125.6E	0	4.2b		¶97ii2760
NEIC	II	19 09 52 54.2	9.50N	125.74E	33	4.1b		
NEIC	Poor solution.							
ISC	**II**	**21 05 00 01.6**±.84	**5.73N**±.094	**125.8E**±.21	**200**	**3.9b**	**10**	**4-90**
EIDC	II	21 04 59 42.7	5.7N	125.7E	0	4.2b		¶97ii3019
ISC	**II**	**21 12 31 16**±2.2	**9.6N**±.11	**126.4E**±.23	**131**±21	**3.8b**	**15**	**3-94**
NEIC	II	21 12 31 16.3	9.59N	126.42E	132	4.3b		¶97ii3069
EIDC	II	21 12 31 16.9	9.6N	126.5E	120	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**21 14 21 08**±2.6	**7.6N**±.10	**126.9E**±.23	**92**±24	**4.0b**	**17**	**1-89**
NEIC	II	21 14 21 09.1	7.51N	126.80E	100			¶97ii3083
EIDC	II	21 14 21 11.2	7.5N	126.8E	94	3.7b		
NEIC	Less reliable solution.							
ISC	**II**	**22 19 16 05**±2.1	**8.1N**±.20	**126.2E**±.27	**117**±22	**3.7b**	**10**	**1-96**
NEIC	II	22 19 16 03.0	8.26N	126.32E	100			¶97ii3236
EIDC	II	22 19 16 05.8	8.1N	126.1E	115	3.6b		
NEIC	Single network solution.							
ISC	**II**	**25 20 48 44.6**±.56	**9.85N**±.081	**126.2E**±.25	**33**	**4.3b**	**17**	**29-94**
BJI	II	25 20 48 44.6	9.80N	126.20E	33	4.8b		¶97ii3690
NEIC	II	25 20 48 44.6	9.83N	126.22E	33	4.3b		
EIDC	II	25 20 49 03.5	9.6N	126.1E	192	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**25 21 17 07.9**±.67	**9.8N**±.15	**126.2E**±.48	**33**	**4.2b**	**10**	**34-94**
NEIC	II	25 21 17 07.8	9.76N	126.17E	33	4.3b		¶97ii3692
EIDC	II	25 21 17 24.1	9.6N	126.0E	169	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**26 08 47 53**±1.9	**8.1N**±.10	**125.3E**±.51	**74**±17	**3.9b**	**13**	**1-96**
NEIC	II	26 08 47 53.9	8.12N	125.62E	70	3.8b		¶97ii3770
EIDC	II	26 08 47 55.0	8.0N	125.1E	74	3.7b		
NEIC	Poor solution.							
ISC	**II**	**26 14 31 37**±3.1	**8.4N**±.12	**126.2E**±.20	**33**±30	**4.0b**	**18**	**1-145**
EIDC	II	26 14 31 34.0	8.4N	126.2E	0	3.9b		¶97ii3804
NEIC	II	26 14 31 36.2	8.47N	126.05E	33	4.5b		
BJI	II	26 14 31 36.7	8.43N	126.14E	32	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**26 16 27 24.7**±.49	**8.10N**±.062	**126.3E**±.13	**42**±1.5*	**4.2b**	**18**	**1-96**
BJI	II	26 16 27 23.4	8.14N	126.26E	30	4.8b		¶97ii3819
NEIC	II	26 16 27 23.4	8.15N	126.30E	33	4.4b		
EIDC	II	26 16 27 26.1	8.1N	126.3E	41	3.9b,3.8L		
NEIC	Less reliable solution.							
ISC	**III**	**01 19 02 49**±1.5	**5.51N**±.065	**126.5E**±.17	**99**±14	**4.1b**	**31**	**2-91**
NEIC	III	01 19 02 48.9	5.47N	126.44E	102	4.4b		¶97iii0168
BJI	III	01 19 02 49.5	5.13N	125.94E	111	4.3b		
EIDC	III	01 19 02 49.8	5.3N	125.8E	103	3.9b		
MOS	III	01 19 02 53.1	5.5N	126.8E	137	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**02 22 00 51**±1.3	**7.0N**±.27	**124.0E**±.39	**600**	**4.6b**	**13**	**21-144**
EIDC	III	02 22 00 47.7	7.3N	124.4E	535	3.6b		¶97iii0412
NEIC	III	02 22 00 51.5	6.93N	123.92E	600	4.8b		
NEIC	Less reliable solution.							
ISC	**III**	**05 04 38 02**±1.1	**7.0N**±.19	**125.8E**±.40	**140**	**3.9b**	**6**	**0-86**
EIDC	III	05 04 38 03.1	7.1N	125.7E	140	3.4b		¶97iii0981
EIDC	**III**	**06 14 03 07.2**	**7.0N**	**123.4E**	**0**	**3.8b**		**29-42**
								¶97iii1288
EIDC	**III**	**06 16 25 40.9**	**7.9N**	**123.1E**	**0**	**3.6b**		**30-43**
								¶97iii1310
EIDC	**III**	**08 14 48 39.2**	**8.9N**	**124.1E**	**0**	**4.0b**		**23-44**
								¶97iii1769
EIDC	**III**	**09 16 18 50.1**	**8.3N**	**121.6E**	**0**	**3.8b**		**23-52**
								¶97iii2020
ISC	**III**	**11 06 39 33**±1.1	**5.87N**±.031	**126.75E**±.056	**90**±9.8	**4.9b**	**138**	**2-169**
MOS	III	11 06 39 30.6	5.9N	126.8E	66	5.9b		¶97iii2326
BJI	III	11 06 39 32.9	5.75N	126.77E	101	5.4b		
EIDC	III	11 06 39 33.0	6.0N	127.0E	76	4.5b,4.5s		
NEIC	III	11 06 39 34.2	5.91N	126.85E	100	5.1b		
ISC	**III**	**11 19 21 22.2**±.90	**8.14N**±.024	**126.34E**±.029	**83**±8.2	**5.5b**	**420**	**1-171**
BJI	III	11 19 21 22.1	8.25N	126.49E	85	5.3b,6.4s		¶97iii2432
MOS	III	11 19 21 22.7	8.1N	126.4E	89	5.9b		
NEIC	III	11 19 21 23.0	8.13N	126.35E	88	5.7b		
EIDC	III	11 19 21 25.8	8.2N	126.4E	104	5.1b		
ISC	**III**	**11 20 11 09**±2.0	**9.0N**±.13	**126.0E**±.25	**137**±19	**3.8b**	**13**	**2-145**
EIDC	III	11 20 11 08.8	9.1N	126.1E	119	3.7b		¶97iii2440
NEIC	III	11 20 11 10.5	8.88N	125.97E	150			
NEIC	Less reliable solution.							
ISC	**III**	**12 13 58 04.9**±.92	**8.5N**±.12	**126.4E**±.27	**33**	**3.6b**	**6**	**2-95**
EIDC	III	12 13 58 01.5	8.5N	126.5E	0	3.8b,4.3L		¶97iii2547
NEIC	III	12 13 58 04.9	8.46N	126.44E	33			
NEIC	Single network solution.							
ISC	**III**	**14 09 48 18**±1.4	**7.81N**±.034	**126.81E**±.074	**80**±13	**4.6b**	**94**	**1-163**
MOS	III	14 09 48 12.8	7.8N	126.8E	35	5.1b		¶97iii2850
BJI	III	14 09 48 16.8	7.94N	126.65E	67	4.8b,4.4s		
NEIC	III	14 09 48 17.8	7.74N	126.79E	81	5.0b		
EIDC	III	14 09 48 20.4	7.7N	126.6E	98	4.2b		
ISC	**III**	**14 20 17 16**±3.2	**5.8N**±.14	**124.5E**±.32	**83**±31	**4.2b**	**12**	**2-99**
BJI	III	14 20 17 06.6	5.24N	124.64E	40	4.5b		¶97iii2943
EIDC	III	14 20 17 06.9	5.9N	124.3E	0	4.1b		
NEIC	III	14 20 17 10.7	5.93N	124.61E	33	4.3b		
NEIC	Poor solution.							
ISC	**III**	**15 01 03 26**±2.4	**7.8N**±.12	**126.5E**±.29	**94**±23	**4.0b**	**16**	**1-96**
EIDC	III	15 01 03 47.1	7.9N	126.9E	271	3.6b		¶97iii2972
EIDC	**III**	**15 20 55 10.6**	**9.5N**	**124.4E**	**186**	**3.2b**		**3-95**
								¶97iii3106
ISC	**III**	**17 12 53 58**±1.2	**9.9N**±.21	**125.1E**±.33	**33**	**3.4b**	**5**	**27-50**
EIDC	III	17 12 53 54.9	9.9N	125.1E	0	3.5b		¶97iii3384
ISC	**III**	**18 17 45 46.2**±.61	**9.5N**±.12	**126.4E**±.22	**33**	**3.9b**	**12**	**28-94**
NEIC	III	18 17 45 46.1	9.49N	126.37E	33	4.2b		¶97iii3572
EIDC	III	18 17 45 51.7	9.4N	126.3E	68	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**19 09 53 52**±1.5	**8.41N**±.049	**125.94E**±.095	**50**±14	**4.4b,4.1s**	**54**	**1-145**
EIDC	III	19 09 53 46.5	8.4N	126.0E	0	4.3b,4.0s		¶97iii3679
BJI	III	19 09 53 49.9	8.53N	126.24E	33	4.6b		
MOS	III	19 09 53 50.1	8.4N	125.9E	33	5.0b		
NEIC	III	19 09 53 50.1	8.40N	125.93E	33	4.4b		
NEIC	Less reliable solution.							
EIDC	**III**	**21 19 51 15.8**	**7.3N**	**122.9E**	**0**	**4.1b**		**29-43**
								¶97iii4121
ISC	**III**	**22 07 27 36.2**±.65	**10.0N**±.11	**126.2E**±.22	**33**	**3.9b**	**10**	**28-94**
EIDC	III	22 07 27 32.5	10.1N	126.3E	0	3.8b		¶97iii4221
NEIC	III	22 07 27 36.1	10.00N	126.20E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**23 00 04 53**±1.6	**6.1N**±.12	**126.4E**±.27	**106**±15	**3.9b**	**13**	**1-90**
NEIC	III	23 00 04 52.1	6.24N	126.63E	100	4.0b		¶97iii4345
EIDC	III	23 00 04 54.1	6.1N	126.4E	101	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**23 06 00 58**±2.3	**5.9N**±.11	**126.9E**±.32	**95**±24	**4.1b**	**16**	**2-89**
NEIC	III	23 06 00 58.2	5.88N	126.98E	90	4.2b		¶97iii4403
EIDC	III	23 06 00 58.8	5.9N	127.0E	83	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**26 05 51 10.2**±.73	**9.4N**±.12	**126.1E**±.45	**33**	**3.8b**	**11**	**28-95**
EIDC	III	26 05 51 06.9	9.4N	126.0E	0	3.9b		¶97iii4848
NEIC	III	26 05 51 09.8	9.35N	125.99E	33			
NEIC	Poor solution.							
ISC	**IV**	**02 07 32 40**±2.2	**8.52N**±.089	**126.7E**±.20	**60**±20	**4.0b**	**15**	**1-88**
EIDC	IV	02 07 32 33.5	8.7N	126.9E	0	3.9b		¶97iv0207
NEIC	IV	02 07 32 36.7	8.65N	126.83E	33	4.4b		
NEIC	Poor solution.							
ISC	**IV**	**08 15 52 48**±1.0	**9.99N**±.044	**126.2E**±.10	**62**±9.3	**4.4b**	**55**	**2-146**
MOS	IV	08 15 52 46.1	9.9N	126.1E	41	4.8b		¶97iv1357
BJI	IV	08 15 52 47.0	9.96N	126.68E	69	4.4b,4.5s		
NEIC	IV	08 15 52 48.9	9.99N	126.23E	69	4.6b		
EIDC	IV	08 15 52 50.1	10.0N	126.3E	65	4.1b		
ISC	**IV**	**09 13 22 57.6**±.79	**6.97N**±.033	**126.81E**±.060	**78**±7.7	**4.6b**	**80**	**1-143**
BJI	IV	09 13 22 53.4	6.93N	127.12E	55	4.5b,4.5s		¶97iv1519
NEIC	IV	09 13 22 55.2	6.94N	126.88E	55	4.9b,4.4s		
MOS	IV	09 13 22 55.8	6.9N	127.0E	58	5.2b		
EIDC	IV	09 13 22 57.6	6.9N	126.8E	65	4.5b,3.4s		
ISC	**IV**	**11 07 50 30.5**±.63	**5.65N**±.030	**125.23E**±.051	**86**±6.1	**4.6b**	**109**	**1-149**
MOS	IV	11 07 50 25.9	5.7N	125.2E	43	5.6b		¶97iv1834
BJI	IV	11 07 50 29.1	5.60N	125.39E	81	5.0b,4.5s		
NEIC	IV	11 07 50 29.4	5.66N	125.18E	77	4.9b		
EIDC	IV	11 07 50 31.1	5.7N	125.4E	79	4.3b		
ISC	**IV**	**11 20 17 50**±3.6	**5.8N**±.23	**126.9E**±.73	**110**±38	**3.5b**	**6**	**2-83**
EIDC	IV	11 20 17 39.4	6.0N	127.8E	0	3.6b		¶97iv1974
NEIC	IV	11 20 17 49.0	5.80N	127.00E	100			
NEIC	Single network solution.							
ISC	**IV**	**13 04 53 57.6**±.73	**7.98N**±.031	**126.65E**±.053	**60**±6.6	**5.0b**	**170**	**0-171**
MOS	IV	13 04 53 54.6	8.0N	126.6E	34	5.5b		¶97iv2190
BJI	IV	13 04 53 56.4	8.04N	126.66E	55	5.0b,4.5s		
NEIC	IV	13 04 53 56.5	7.98N	126.62E	50	5.2b,4.3s		
EIDC	IV	13 04 54 00.0	8.0N	126.7E	69	4.8b,3.8s		
ISC	**IV**	**13 13 55 54.3**±.89	**8.9N**±.14	**126.7E**±.28	**50**±1.4*	**3.5b**	**11**	**1-87**
NEIC	IV	13 13 55 51.6	8.72N	125.79E	33			¶97iv2249
EIDC	IV	13 13 55 56.2	8.5N	125.4E	43	3.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 00 06 17**±1.6	**7.3N**±.33	**126.2E**±.49	**33**	**4.2b**,3.5s	**7**	**28-88**
EIDC	IV	14 00 06 14.2	7.3N	126.3E	0	4.1b,3.5s		¶97iv2340
NEIC	IV	14 00 06 17.8	7.22N	126.12E	33	4.5b		
NEIC	Poor solution.							
ISC	**IV**	**14 08 24 19.0**±.91	**9.88N**±.033	**126.22E**±.064	**54**±8.5	**4.8b,4.5s**	**109**	**2-165**
MOS	IV	14 08 24 15.8	10.0N	126.5E	33	5.2b		¶97iv2416
BJI	IV	14 08 24 16.0	9.83N	126.25E	33	4.9b,4.6s		
NEIC	IV	14 08 24 16.7	9.89N	126.22E	33	4.8b,4.5s		
EIDC	IV	14 08 24 18.4	9.9N	126.3E	37	4.5b,3.7s		
ISC	**IV**	**14 10 49 48**±3.5	**9.9N**±.16	**126.5E**±.30	**49**±34	**3.7b**	**10**	**2-94**
EIDC	IV	14 10 49 43.4	10.1N	126.5E	0	3.8b		¶97iv2442
ISC	**IV**	**14 11 42 47.2**±.89	**9.93N**±.034	**126.29E**±.064	**59**±8.6	**4.8b,4.3s**	**98**	**2-165**
EIDC	IV	14 11 42 40.8	9.9N	126.3E	0	4.6b,3.9s		¶97iv2453
BJI	IV	14 11 42 43.8	9.92N	126.46E	34	5.0b,4.6s		
MOS	IV	14 11 42 44.3	9.9N	126.2E	33	5.2b		
NEIC	IV	14 11 42 44.4	9.93N	126.26E	33	4.9b,4.5s		

ISC	**IV**	**14 14 58 18.8**±.30	**6.37N**±.029	**124.12E**±.042	**540**±4.4	**4.7b**	**147**	**1-168**
BJI	IV	14 14 58 18.8	6.29N	124.10E	549	4.8b		**¶97iv2475**
MOS	IV	14 14 58 18.9	6.4N	124.2E	545	4.6b		
NEIC	IV	14 14 58 19.6	6.37N	124.07E	550	4.9b		
EIDC	IV	14 14 58 19.6	6.4N	124.2E	534	4.1b		
KLM	IV	14 14 58 20	6.4N	124.0E	550	4.2L		
KLM	Mb4.9							
ISC	**IV**	**15 00 10 03**±1.1	**9.91N**±.035	**126.22E**±.090	**65**±10	**4.8b**	**71**	**2-165**
BJI	IV	15 00 09 57.6	9.48N	125.97E	45	4.8b,4.4s		**¶97iv2529**
MOS	IV	15 00 09 59.0	9.9N	126.1E	33	5.3b		
NEIC	IV	15 00 09 59.1	9.92N	126.21E	33	4.9b,3.9s		
EIDC	IV	15 00 10 04.1	9.9N	126.3E	63	4.4b,3.4s		
ISC	**IV**	**15 02 39 48.3**±.54	**9.88N**±.090	**126.3E**±.19	**33**	**4.0b**,3.2s	**18**	**2-94**
EIDC	IV	15 02 39 43.7	9.8N	126.0E	0	3.9b,4.9L		**¶97iv2542**
NEIC	IV	15 02 39 47.8	9.75N	125.91E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**15 04 29 49**±1.3	**9.89N**±.053	**126.3E**±.12	**62**±13	**4.3b**	**38**	**2-146**
BJI	IV	15 04 29 44.9	9.83N	126.05E	30	4.5b		**¶97iv2554**
MOS	IV	15 04 29 46.1	10.0N	126.7E	33	4.6b		
NEIC	IV	15 04 29 46.1	9.90N	126.22E	33	4.5b		
EIDC	IV	15 04 29 49.4	9.9N	126.2E	44	4.0b,3.3s		
ISC	**IV**	**15 04 37 23**±2.1	**9.9N**±.13	**126.3E**±.26	**46**±20	**3.7b**	**11**	**2-94**
EIDC	IV	15 04 37 17.1	10.2N	126.4E	0	3.8b		**¶97iv2557**
NEIC	IV	15 04 37 19.9	10.14N	126.39E	33	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**16 19 51 17**±1.7	**9.99N**±.096	**126.4E**±.16	**55**±17	**3.6b**	**11**	**2-94**
EIDC	IV	16 19 51 11.0	10.1N	126.4E	0	3.7b		**¶97iv2805**
NEIC	IV	16 19 51 14.0	10.00N	126.44E	33			
NEIC	Single network solution.							
ISC	**IV**	**17 02 13 18**±2.5	**10.0N**±.19	**126.0E**±.42	**95**±22	**3.8b**	**12**	**2-94**
NEIC	IV	17 02 13 10.6	10.01N	125.97E	33	4.2b		**¶97iv2837**
EIDC	IV	17 02 13 28.8	9.9N	126.0E	185	3.4b		
NEIC	Poor solution.							
EIDC	**IV**	**17 03 09 57.9**	**8.3N**	**121.9E**	**0**	**3.8b**		**31-34**
								¶97iv2845
ISC	**IV**	**20 01 38 10**±1.8	**9.51N**±.077	**126.3E**±.19	**88**±17	**4.1b**	**22**	**1-94**
NEIC	IV	20 01 38 11.9	9.47N	126.28E	100	4.4b		**¶97iv3260**
EIDC	IV	20 01 38 15.9	9.3N	126.1E	127	3.7b,2.7s		
NEIC	Less reliable solution.							
ISC	**IV**	**23 11 37 27**±2.5	**8.53N**±.090	**127.0E**±.22	**60**±23	**4.1b**	**14**	**1-98**
EIDC	IV	23 11 37 20.4	8.8N	127.2E	0	4.2b,3.5s		**¶97iv3949**
NEIC	IV	23 11 37 24.0	8.57N	127.09E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 04 06 10**±2.0	**9.6N**±.11	**126.2E**±.26	**61**±17	**4.0b**	**12**	**1-86**
EIDC	IV	24 04 06 26.8	9.0N	125.0E	207	3.3b		**¶97iv4078**
ISC	**IV**	**26 14 14 29**±1.4	**7.69N**±.099	**126.7E**±.19	**101**±13	**3.8b**	**15**	**1-96**
NEIC	IV	26 14 14 28.5	7.69N	126.71E	100			**¶97iv4561**
EIDC	IV	26 14 14 31.4	7.6N	126.6E	111	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**27 07 13 44**±1.2	**5.99N**±.056	**126.8E**±.13	**67**±9.9	**4.3b**	**46**	**2-159**
MOS	IV	27 07 13 39.7	6.1N	127.2E	33	5.1b		**¶97iv4683**
NEIC	IV	27 07 13 40.0	6.01N	126.78E	33	4.8b		
EIDC	IV	27 07 13 43.2	6.1N	127.0E	50	4.0b,3.2s		
BJI	IV	27 07 13 48.8	6.88N	126.32E	33	4.5b,4.5s		
NEIC	Less reliable solution.							
ISC	**IV**	**28 03 03 23.1**±.90	**9.3N**±.10	**126.7E**±.18	**33**	**3.6b**,3.4s	**12**	**1-145**
EIDC	IV	28 03 03 19.1	9.4N	126.9E	0	3.8b,3.3s		**¶97iv4836**
NEIC	IV	28 03 03 22.7	9.33N	126.75E	33	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**29 05 33 24.4**±.92	**9.46N**±.042	**126.24E**±.086	**68**±8.9	**4.4b**	**54**	**1-145**
MOS	IV	29 05 33 22.2	9.5N	126.1E	48	4.9b		**¶97iv5025**
NEIC	IV	29 05 33 26.8	9.46N	126.21E	91	4.6b		
BJI	IV	29 05 33 27.1	9.57N	126.23E	87	4.7b		
EIDC	IV	29 05 33 27.2	9.5N	126.3E	78	4.2b,3.4s		
ISC	**V**	**03 03 25 50**±1.8	**5.5N**±.15	**124.2E**±.35	**166**±17	**3.8b**	**15**	**2-122**
NEIC	V	03 03 25 53.3	5.69N	125.26E	200	4.0b		**¶97v0366**
EIDC	V	03 03 25 55.9	5.9N	125.8E	196	3.5b		
NEIC	Poor solution.							
ISC	**V**	**06 01 21 50.4**±.71	**6.01N**±.033	**126.91E**±.063	**135**±6.5	**4.8b**	**112**	**2-162**
MOS	V	06 01 21 39.6	6.1N	126.8E	33	5.7b		**¶97v0876**
BJI	V	06 01 21 50.4	5.88N	126.88E	143	5.3b		
NEIC	V	06 01 21 50.8	6.03N	126.89E	138	5.1b		
EIDC	V	06 01 21 51.7	6.0N	126.9E	132	4.5b,3.4s		
ISC	**V**	**07 11 37 52.7**±.84	**5.83N**±.053	**126.0E**±.11	**91**±9.1	**4.3b**	**36**	**1-121**
NEIC	V	07 11 37 52.7	5.83N	125.88E	92	4.5b		**¶97v1096**
EIDC	V	07 11 37 53.9	5.8N	126.0E	84	4.0b		
ISC	**V**	**08 07 12 45.4**±.71	**9.41N**±.080	**125.6E**±.16	**33**	**3.8b**	**12**	**1-146**
EIDC	V	08 07 12 41.5	9.4N	125.4E	0	3.8b		**¶97v1200**
NEIC	V	08 07 12 45.3	9.47N	125.55E	33			
NEIC	Poor solution.							
ISC	**V**	**08 18 04 48.7**±.64	**5.21N**±.070	**125.0E**±.18	**33**	**4.0b**	**11**	**2-40**
EIDC	V	08 18 04 45.4	5.2N	125.0E	0	4.0b,4.8L		**¶97v1288**
NEIC	V	08 18 04 48.5	5.24N	125.01E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**09 10 57 39.2**±.73	**5.5N**±.17	**124.0E**±.33	**550**	**3.6b**	**9**	**27-88**
EIDC	V	09 10 57 42.5	5.4N	123.9E	574	2.9b		**¶97v1410**
ISC	**V**	**11 21 53 10.9**±.72	**5.48N**±.049	**125.79E**±.092	**130**±7.3	**4.5b**	**61**	**2-159**
NEIC	V	11 21 53 10.2	5.48N	125.73E	124	4.9b		**¶97v1850**
MOS	V	11 21 53 10.4	5.5N	125.8E	125	4.8b		
EIDC	V	11 21 53 10.5	5.4N	125.7E	113	4.3b,3.5s		
BJI	V	11 21 53 13.9	5.90N	125.54E	119	4.6b		
ISC	**V**	**13 00 28 45.2**±.84	**8.47N**±.053	**126.11E**±.089	**45**±7.7	**4.4b**,3.8s	**45**	**0-164**
MOS	V	13 00 28 43.5	8.5N	126.1E	33	4.8b		**¶97v2086**
NEIC	V	13 00 28 43.9	8.53N	126.08E	33	4.5b		
BJI	V	13 00 28 44.6	8.65N	125.97E	22	4.6b		
EIDC	V	13 00 28 46.7	8.5N	126.1E	42	4.0b,3.5s		
NEIC	Less reliable solution.							
ISC	**V**	**13 06 49 01.5**±.59	**6.32N**±.091	**123.5E**±.19	**624**±10	**4.3b**	**30**	**2-89**
NEIC	V	13 06 49 00.0	6.29N	123.28E	600	4.5b		**¶97v2176**
BJI	V	13 06 49 01.0	5.99N	122.99E	613	4.5b		
EIDC	V	13 06 49 02.8	6.2N	123.4E	622	3.4b		
NEIC	Less reliable solution.							
ISC	**V**	**13 08 16 19**±2.1	**9.6N**±.12	**126.3E**±.28	**79**±18	**3.9b**	**11**	**1-86**
EIDC	V	13 08 16 10.6	9.0N	124.1E	0	3.9b		**¶97v2200**
NEIC	V	13 08 16 14.4	8.97N	124.19E	33	4.4b		
NEIC	Poor solution.							
ISC	**V**	**13 20 02 09**±1.1	**5.1N**±.14	**123.3E**±.28	**594**±18	**4.1b**	**15**	**3-123**
NEIC	V	13 20 02 08.9	5.07N	123.36E	600	4.4b		**¶97v2312**
EIDC	V	13 20 02 09.3	5.0N	123.2E	581	3.3b		
NEIC	Less reliable solution.							
EIDC	**V**	**14 13 28 10.7**	**9.5N**	**125.9E**	**0**	**3.5b**		**30-95**
								¶97v2455
EIDC	**V**	**16 06 45 08.3**	**6.1N**	**124.5E**	**0**	**3.6b**		**28-84**
								¶97v2732
ISC	**V**	**16 18 50 42.7**±.72	**9.10N**±.052	**126.06E**±.099	**133**±6.7	**4.2b**	**44**	**1-164**
BJI	V	16 18 50 36.3	8.37N	126.22E	132	4.4b		**¶97v2824**
NEIC	V	16 18 50 42.8	9.12N	126.08E	132	4.8b		
MOS	V	16 18 50 43.2	9.1N	126.0E	135	4.7b		
EIDC	V	16 18 50 44.2	9.1N	126.1E	133	4.1b		
ISC	**V**	**18 12 14 09.5**±.72	**6.02N**±.055	**126.1E**±.11	**150**±7.6	**4.4b**	**37**	**1-121**
MOS	V	18 12 14 04.6	6.0N	126.0E	101	4.7b		**¶97v3077**
BJI	V	18 12 14 08.9	5.98N	126.25E	152			
NEIC	V	18 12 14 09.5	6.02N	126.01E	149	4.8b		
EIDC	V	18 12 14 10.9	6.1N	126.0E	153	4.1b,3.2s		
EIDC	**V**	**21 15 40 59.8**	**6.7N**	**126.9E**	**0**	**3.7b**,3.7s		**1-41**
								¶97v3576
ISC	**V**	**21 23 47 30**±1.6	**5.1N**±.10	**127.0E**±.23	**126**±16	**4.0b**	**19**	**2-98**
NEIC	V	21 23 47 29.4	5.14N	127.05E	126	3.9b		**¶97v3628**
EIDC	V	21 23 47 29.9	5.0N	126.9E	106	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**23 01 06 12**±4.4	**5.1N**±.16	**123.2E**±.28	**589**±61	**4.2b**	**20**	**27-90**
NEIC	V	23 01 06 12.4	5.11N	123.24E	600	4.4b		**¶97v3859**
EIDC	V	23 01 06 14.0	5.0N	123.2E	598	3.3b		
NEIC	Less reliable solution.							
ISC	**V**	**27 06 54 51**±1.5	**5.0N**±.24	**124.4E**±.82	**33**	**3.9b**	**5**	**27-88**
EIDC	V	27 06 54 47.5	5.3N	125.1E	0	4.0b		**¶97v4528**
EIDC	**V**	**28 16 43 45.6**	**7.3N**	**122.9E**	**0**	**3.7b**		**25-33**
								¶97v4746
ISC	**V**	**30 19 18 17.2**±.92	**5.63N**±.074	**126.3E**±.16	**146**±11	**4.2b**	**22**	**2-90**
NEIC	V	30 19 18 17.5	5.57N	126.16E	150			**¶97v5083**
EIDC	V	30 19 18 17.6	5.5N	126.1E	133	3.7b		
NEIC	Single network solution.							
EIDC	**VI**	**01 10 32 49.8**	**7.9N**	**122.5E**	**0**	**3.6b**		**4-83**
								¶97vi0059
ISC	**VI**	**01 21 48 39.2**±.69	**9.91N**±.036	**125.84E**±.068	**96**±6.7	**4.5b**	**74**	**2-163**
MOS	VI	01 21 48 35.2	9.8N	125.8E	60	4.8b		**¶97vi0137**
BJI	VI	01 21 48 38.5	9.89N	125.99E	97	4.4b		
NEIC	VI	01 21 48 38.6	9.93N	125.81E	89	4.5b		
EIDC	VI	01 21 48 40.6	9.9N	125.8E	92	4.1b,3.2s		
ISC	**VI**	**02 20 36 45**±1.5	**6.87N**±.064	**127.0E**±.14	**64**±16	**4.1b**	**24**	**1-97**
NEIC	VI	02 20 36 41.4	6.85N	127.20E	33			**¶97vi0318**
EIDC	VI	02 20 36 44.4	6.9N	127.1E	42	3.8b,4.8L		
NEIC	Single network solution.							
EIDC	**VI**	**03 08 03 43.9**	**5.0N**	**126.3E**	**0**	**4.0b**		**23-40**
								¶97vi0404
ISC	**VI**	**08 06 49 46**±1.3	**5.2N**±.17	**126.2E**±.57	**169**±13	**4.0b**	**10**	**2-90**
NEIC	VI	08 06 49 43.6	4.82N	124.85E	145			**¶97vi1189**
EIDC	VI	08 06 49 46.3	4.9N	125.5E	145	3.8b		
NEIC	Poor solution.							
ISC	**VI**	**09 04 44 11.5**±.64	**9.87N**±.075	**126.7E**±.12	**33**	**4.0b**	**16**	**2-146**
NEIC	VI	09 04 44 22.6	9.74N	126.50E	137			**¶97vi1335**
EIDC	VI	09 04 44 25.2	9.6N	126.4E	137	3.6b		
NEIC	Single network solution.							
EIDC	**VI**	**09 07 21 14.6**	**9.2N**	**125.9E**	**0**	**3.6b**		**30-81**
								¶97vi1346
ISC	**VI**	**12 21 40 17**±1.0	**6.0N**±.11	**125.4E**±.19	**115**±19	**4.3b**	**19**	**2-84**
EIDC	VI	12 21 40 02.9	6.2N	125.1E	0	4.4b		**¶97vi1901**
NEIC	VI	12 21 40 05.9	6.28N	125.08E	33	4.5b		
NEIC	Poor solution.							
EIDC	**VI**	**13 06 09 56.5**	**6.0N**	**122.7E**	**0**	**3.6b**		**28-85**
								¶97vi1940
ISC	**VI**	**14 16 00 31.2**±.87	**5.7N**±.10	**125.1E**±.30	**33**	**3.8b**,2.8s	**10**	**1-89**
EIDC	VI	14 16 00 28.1	5.5N	124.5E	0	3.8b,3.0s		**¶97vi2144**
ISC	**VI**	**19 07 22 30**±1.6	**9.60N**±.071	**125.9E**±.25	**92**±16	**4.1b**	**19**	**1-146**
NEIC	VI	19 07 22 31.4	9.56N	126.00E	107	5.1b		**¶97vi2878**
EIDC	VI	19 07 22 31.8	9.6N	126.1E	92	3.8b,3.1s		
NEIC	Less reliable solution.							
EIDC	**VI**	**26 04 39 55.9**	**6.3N**	**125.1E**	**0**	**3.8b**		**28-83**
								¶97vi4084
EIDC	**VI**	**30 12 38 23.2**	**7.2N**	**122.4E**	**0**	**3.5b**		**25-33**
								¶97vi4763

(260) East of Philippine Islands.

EIDC	**I**	**15 01 53 56.2**	**5.5N**	**128.0E**	**0**	**4.1b**		**26-55**
								¶97i2083
EIDC	**II**	**18 01 00 11.7**	**7.0N**	**128.5E**	**0**	**3.9b**		**27-96**
								¶97ii2583
EIDC	**II**	**18 14 47 32.1**	**12.5N**	**130.1E**	**0**	**3.8b**		**30-36**
								¶97ii2656
EIDC	**II**	**27 04 43 26.5**	**9.5N**	**129.8E**	**0**	**4.1b**		**30-33**
								¶97ii3905
EIDC	**III**	**20 19 34 57.1**	**7.8N**	**128.4E**	**0**	**3.4b**		**28-41**
								¶97iii3943
EIDC	**III**	**28 08 55 02.8**	**5.7N**	**129.1E**	**0**	**3.7b**		**26-39**
								¶97iii5396
ISC	**IV**	**13 10 33 51**±3.6	**21.0N**±.15	**126.7E**±.30	**56**±43	**4.0b**	**10**	**6-75**
EIDC	IV	13 10 33 54.5	20.9N	127.3E	64	3.7b,3.2L		**¶97iv2222**
TAP	IV	13 10 34 05.8	23.87N	122.43E	2	3.2L		
EIDC	**IV**	**18 08 32 00.0**	**10.8N**	**128.4E**	**0**	**3.6b**		**10-44**
								¶97iv3043
ISC	**IV**	**27 20 27 24.6**±.67	**5.1N**±.12	**128.1E**±.23	**33**	**4.0b**	**13**	**3-120**
EIDC	IV	27 20 27 21.5	5.1N	128.2E	0	3.9b,2.8s		**¶97iv4790**
NEIC	IV	27 20 27 24.5	5.10N	128.10E	33	4.3b		
NEIC	Less reliable solution.							
EIDC	**V**	**12 10 26 44.3**	**5.1N**	**129.0E**	**0**	**3.5b**		**25-83**
								¶97v1940

SEISMIC REGION 23.
BORNEO-SULAWESI.

(261) Kalimantan (Borneo).

EIDC	**I**	**06 18 32 24.9**	**3.6S**	**116.9E**	**0**	**3.8b**		**24-43**
								¶97i0821
ISC	**I**	**15 06 06 29**±1.7	**1.49N**±.083	**118.1E**±.10	**54**±17	**4.3b**	**39**	**3-73**
EIDC	I	15 06 06 23.7	1.5N	118.0E	0	4.3b		**¶97i2110**
NEIC	I	15 06 06 26.2	1.50N	117.92E	33	4.3b		
BJI	I	15 06 06 26.4	1.43N	118.14E	32	4.4b		
NEIC	Less reliable solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**16 08 35 01**±1.3	**3.5N**±.37	**114.5E**±.47	**33**	**3.6b**	**4**	**21-91**
EIDC	I	16 08 34 58.0	3.8N	115.0E	0	3.6b		¶97i2278
ISC		Poorly determined						
ISC	**II**	**04 08 59 55**±6.0	**1.3N**±.24	**117.9E**±.29	**28**±46	**3.5b**	**11**	**3-71**
EIDC	II	04 08 59 53.2	1.0N	117.6E	0	3.7b		¶97ii0491
NEIC	II	04 08 59 55.6	1.48N	118.14E	33	4.0b		
NEIC		Poor solution.						
ISC	**V**	**04 19 31 43.6**±.72	**1.2N**±.13	**118.1E**±.21	**33**	**3.8b**,3.1s	**12**	**25-91**
EIDC	V	04 19 31 40.6	1.4N	118.3E	0	3.7b,3.1s		¶97v0685
NEIC	V	04 19 31 43.6	1.30N	118.22E	33	3.9b		
BJI	V	04 19 31 46.0	1.76N	117.94E	13	4.8b		
NEIC		Less reliable solution.						

(262) Celebes Sea.

EIDC	**I**	**03 06 54 06.5**	**3.1N**	**121.9E**	**0**	**4.2b**		**26-39**
								¶97i0337
ISC	**I**	**24 04 49 02**±1.4	**4.7N**±.23	**123.4E**±.76	**33**	**4.2b**	**8**	**27-96**
EIDC	I	24 04 48 58.7	4.8N	123.4E	0	4.3b		¶97i3598
ISC	**II**	**05 13 09 22**±1.2	**2.52N**±.051	**124.56E**±.056	**280**±13	**4.3b**	**64**	**7-161**
MOS	II	05 13 09 16.7	2.5N	124.5E	227	4.7b		¶97ii0692
NEIC	II	05 13 09 18.9	2.55N	124.47E	250	4.7b		
KLM	II	05 13 09 19	2.5N	124.4E	250	3.9L		
EIDC	II	05 13 09 24.6	2.5N	124.6E	293	3.9b		
KLM		Mb4.7						
ISC	**II**	**05 22 21 17**±1.6	**2.2N**±.11	**123.1E**±.48	**33**	**4.5b**	**15**	**17-43**
EIDC	II	05 22 21 17.2	2.3N	124.2E	0	4.5b		¶97ii0757
EIDC	**II**	**18 02 55 25.2**	**3.9N**	**123.9E**	**0**	**3.9b**		**26-39**
								¶97ii2594
ISC	**III**	**04 07 54 41**±1.3	**3.09N**±.048	**122.37E**±.060	**41**±13	**4.4b**,3.7s	**40**	**4-125**
BJI	III	04 07 54 31.8	2.12N	122.39E	32	4.7b		¶97iii0809
NEIC	III	04 07 54 40.2	3.09N	122.29E	33	4.5b		
EIDC	III	04 07 54 44.3	3.1N	122.4E	56	4.1b,3.9s		
ISC	**III**	**20 06 08 09**±3.1	**4.32N**±.062	**124.73E**±.090	**21**±24	**4.2b**,3.4s	**24**	**3-139**
EIDC	III	20 06 08 07.2	4.3N	124.7E	0	4.0b,3.6s		¶97iii3850
NEIC	III	20 06 08 10.3	4.32N	124.61E	33	4.3b		
NEIC		Less reliable solution.						
ISC	**III**	**21 13 28 03.0**±.98	**4.0N**±.10	**122.9E**±.17	**576**±17	**4.0b**	**20**	**4-124**
NEIC	III	21 13 28 01.7	3.92N	122.83E	550	4.5b		¶97iii4076
EIDC	III	21 13 28 04.4	3.9N	123.0E	565	3.2b		
NEIC		Less reliable solution.						
ISC	**IV**	**25 19 55 26.3**±.50	**4.79N**±.040	**124.51E**±.079	**382**±6.4	**4.1b**	**49**	**3-90**
BJI	IV	25 19 55 25.9	4.57N	124.78E	410	4.0b		¶97iv4407
NEIC	IV	25 19 55 26.1	4.74N	124.40E	378	4.4b		
EIDC	IV	25 19 55 27.2	4.8N	124.5E	374	3.7b		
NEIC		Less reliable solution.						
EIDC	**IV**	**26 07 21 26.0**	**4.4N**	**121.5E**	**0**	**4.5b**		**8-43**
								¶97iv4487
ISC	**V**	**09 13 24 01**±1.3	**2.72N**±.093	**122.3E**±.15	**573**±21	**4.0b**	**19**	**7-88**
NEIC	V	09 13 23 56.4	2.83N	122.34E	500	4.6b		¶97v1427
EIDC	V	09 13 24 01.3	2.8N	122.4E	550	3.2b		
NEIC		Less reliable solution.						
ISC	**V**	**22 22 24 17**±3.4	**4.2N**±.12	**122.7E**±.31	**606**±51	**4.0b**	**20**	**27-124**
NEIC	V	22 22 24 12.8	4.23N	122.56E	550	4.4b		¶97v3842
EIDC	V	22 22 24 16.9	4.1N	122.7E	582	3.2b		
NEIC		Less reliable solution.						
EIDC	**V**	**26 12 47 28.5**	**5.7N**	**121.5E**	**0**	**3.9b**		**4-42**
								¶97v4414
ISC	**VI**	**04 10 37 49.8**±.90	**2.9N**±.14	**123.6E**±.27	**33**	**3.7b**	**6**	**25-57**
EIDC	VI	04 10 37 47.4	2.9N	123.6E	0	3.8b		¶97vi0597
NEIC	VI	04 10 37 49.8	2.87N	123.58E	33			
NEIC		Poor solution.						
ISC	**VI**	**21 23 44 59.9**±.40	**3.39N**±.028	**122.95E**±.043	**540**±5.6	**4.7b**	**166**	**5-165**
BJI	VI	21 23 44 59.3	3.33N	123.03E	537	4.7b		¶97vi3290
EIDC	VI	21 23 45 00.4	3.3N	123.0E	533	4.0b		
MOS	VI	21 23 45 00.5	3.4N	123.0E	551	5.0b		
NEIC	VI	21 23 45 00.6	3.41N	122.94E	548	4.9b		
ISC	**VI**	**22 15 19 55**±2.5	**2.07N**±.090	**121.6E**±.20	**47**±27	**4.1b**,2.8s	**24**	**4-89**
EIDC	VI	22 15 19 51.8	2.1N	121.9E	0	4.1b,3.1s		¶97vi3403
BJI	VI	22 15 19 54.0	2.03N	121.57E	32	4.8b		
NEIC	VI	22 15 19 54.0	2.08N	121.60E	33	4.4b		
NEIC		Less reliable solution.						

(263) Talaud Islands.

ISC	**I**	**01 12 34 31**±1.9	**3.1N**±.13	**126.6E**±.26	**103**±19	**3.7b**	**14**	**2-86**
NEIC	I	01 12 34 27.9	3.52N	127.30E	100	4.0b		¶97i0073
EIDC	I	01 12 34 34.1	3.0N	126.7E	119	3.4b		
NEIC		Less reliable solution.						
EIDC	**I**	**13 09 07 35.8**	**2.1N**	**125.8E**	**0**	**3.8b**		**23-37**
								¶97i1811
ISC	**I**	**13 20 24 18.9**±.93	**4.2N**±.19	**127.0E**±.36	**100**	**3.9b**	**7**	**28-60**
EIDC	I	13 20 24 09.1	4.3N	127.1E	0	3.9b		¶97i1892
NEIC	I	13 20 24 19.0	4.24N	127.04E	100	4.1b		
NEIC		Poor solution.						
ISC	**I**	**18 08 04 09.2**±.19	**4.00N**±.033	**126.36E**±.050	**33**	**4.9b,4.2s**	**136**	**3-161**
NEIC	I	18 08 04 09.0	4.05N	126.38E	33	5.0b		¶97i2630
MOS	I	18 08 04 10.2	4.2N	126.6E	33	5.6b		
EIDC	I	18 08 04 10.4	3.9N	126.3E	32	4.6b,4.0s		
BJI	I	18 08 04 12.5	4.31N	126.42E	38	4.9b,4.5s		
HRVD	I	18 08 04 17.0±.5	4.22N±.04	126.71E±.07	33			
NEIC		Mw5.4(HRV).						

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c29; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.84±.70; $M_{\theta\theta}$5.34±.55; $M_{\phi\phi}$1.50±1.17; $M_{r\theta}$−5.63±1.67; $M_{r\phi}$8.43±1.28; $M_{\theta\phi}$−0.50±.57. Principal Axes: T 9.9,Plg30°,Azm219°; N 3.3, Plg11°,Azm315°; P −13.2,Plg58°,Azm63°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_s278°,δ18°,λ−128°. NP2:ϕ_s138°,δ76°,λ−79°.

ISC	**I**	**19 20 21 55.3**±.62	**4.87N**±.076	**125.2E**±.20	**34**±1.7*	**3.9b**	**11**	**3-85**
NEIC	I	19 20 21 55.2	4.87N	125.20E	33	4.3b		¶97i2880
EIDC	I	19 20 21 57.1	4.8N	125.1E	34	3.7b		
NEIC		Less reliable solution.						
EIDC	**I**	**20 11 57 00.9**	**3.1N**	**127.3E**	**0**	**3.8b**		**24-37**
								¶97i2997
ISC	**I**	**20 22 23 23.1**±.47	**3.60N**±.077	**127.2E**±.12	**33**	**4.1b**	**24**	**24-99**
BJI	I	20 22 23 17.6	2.63N	126.96E	42	4.3b		¶97i3095
EIDC	I	20 22 23 20.5	3.5N	127.3E	0	4.0b		
NEIC	I	20 22 23 23.2	3.60N	127.25E	33	4.4b		
NEIC		Less reliable solution.						
ISC	**I**	**25 09 45 37.0**±.68	**4.4N**±.15	**125.5E**±.22	**150**	**4.0b**	**15**	**18-91**
EIDC	I	25 09 45 20.7	4.7N	125.9E	0	4.0b		¶97i3782
NEIC	I	25 09 45 36.8	4.43N	125.57E	150	4.3b		
NEIC		Poor solution.						
ISC	**I**	**26 06 35 11**±1.5	**4.85N**±.083	**126.5E**±.20	**105**±15	**4.2b**	**22**	**2-99**
BJI	I	26 06 35 10.9	4.90N	126.50E	100	4.6b		¶97i3899
NEIC	I	26 06 35 10.9	4.86N	126.52E	100	4.4b		
EIDC	I	26 06 35 13.3	4.9N	126.7E	101	4.0b		
NEIC		Less reliable solution.						
ISC	**I**	**27 15 25 54.1**±.77	**2.8N**±.12	**125.0E**±.35	**400**	**3.7b**	**9**	**17-92**
EIDC	I	27 15 25 49.7	2.8N	124.8E	336	3.4b		¶97i4098
NEIC	I	27 15 25 53.8	2.79N	124.96E	400	4.4b		
NEIC		Poor solution.						
EIDC	**I**	**30 07 15 04.1**	**4.9N**	**125.5E**	**0**	**4.0b**		**26-40**
								¶97i4448
ISC	**II**	**07 16 30 44**±3.0	**3.3N**±.23	**126.5E**±.92	**33**	**3.7b**	**4**	**24-86**
EIDC	II	07 16 30 40.5	3.4N	126.4E	0	3.8b		¶97ii1011
ISC		Poorly determined						
EIDC	**II**	**08 21 46 49.8**	**2.4N**	**125.9E**	**0**	**3.3b**		**2-35**
								¶97ii1212
ISC	**II**	**10 12 22 40**±2.1	**4.6N**±.13	**127.4E**±.29	**98**±21	**3.9b**	**15**	**3-90**
EIDC	II	10 12 22 30.3	4.6N	127.6E	0	3.9b		¶97ii1457
NEIC	II	10 12 22 33.2	4.63N	127.46E	33	4.1b		
BJI	II	10 12 22 35.3	4.22N	126.60E	35	4.3b		
NEIC		Poor solution.						
ISC	**II**	**14 17 47 58**±1.4	**4.45N**±.082	**126.3E**±.15	**137**±16	**3.8b**	**13**	**3-90**
EIDC	II	14 17 47 57.0	4.3N	126.1E	114	3.6b		¶97ii2093
NEIC	II	14 17 47 58.6	4.40N	126.11E	150	4.0b		
NEIC		Less reliable solution.						
ISC	**II**	**21 02 50 32**±1.5	**4.0N**±.23	**126.6E**±.49	**0**	**3.7b**	**4**	**3-31**
EIDC	II	21 02 50 32.9	4.1N	126.8E	0	3.7b,4.8L		¶97ii3004
ISC		Poorly determined						
ISC	**II**	**21 06 09 09**±1.1	**4.2N**±.20	**125.6E**±.31	**100**	**3.8b**	**6**	**25-85**
EIDC	II	21 06 08 58.5	4.5N	126.1E	0	4.0b		¶97ii3028
NEIC	II	21 06 09 09.3	4.18N	125.66E	100	4.2b		
NEIC		Poor solution.						
ISC	**II**	**22 03 02 08.2**±.41	**3.60N**±.072	**126.7E**±.18	**33**	**4.3b**,3.2s	**24**	**27-100**
EIDC	II	22 03 02 05.3	3.6N	126.8E	0	4.3b,3.2s		¶97ii3160
BJI	II	22 03 02 06.7	3.48N	126.51E	32	4.6b		
MOS	II	22 03 02 08.2	3.6N	126.9E	33	4.6b		
NEIC	II	22 03 02 08.5	3.58N	126.63E	33	4.4b		
NEIC		Less reliable solution.						
ISC	**II**	**25 03 58 37**±1.6	**3.27N**±.037	**126.36E**±.079	**50**±15	**4.6b**	**81**	**4-140**
MOS	II	25 03 58 35.8	3.3N	126.4E	39	5.2b		¶97ii3579
BJI	II	25 03 58 36.5	3.23N	126.30E	51	4.9b		
NEIC	II	25 03 58 36.8	3.24N	126.36E	47	4.8b		
EIDC	II	25 03 58 37.8	3.2N	126.3E	42	4.3b,4.9L		
EIDC	**II**	**27 12 48 21.0**	**4.9N**	**126.8E**	**0**	**3.9b**		**26-39**
								¶97ii3957
ISC	**II**	**28 10 45 24.2**±.65	**3.1N**±.11	**126.9E**±.27	**33**	**4.1b**	**11**	**24-122**
EIDC	II	28 10 45 21.2	3.1N	127.1E	0	4.2b,3.4s		¶97ii4218
NEIC	II	28 10 45 24.2	3.13N	126.89E	33	4.3b		
NEIC		Less reliable solution.						
ISC	**III**	**05 22 33 23**±3.7	**3.16N**±.046	**126.9E**±.10	**16**±27	**4.5b,4.2s**	**60**	**4-160**
BJI	III	05 22 33 24.9	3.02N	126.70E	36	4.8b,4.6s		¶97iii1141
NEIC	III	05 22 33 25.2	3.11N	126.71E	33	4.8b,4.2s		
MOS	III	05 22 33 25.3	3.1N	126.8E	33	5.2b		
EIDC	III	05 22 33 29.9	3.0N	126.8E	59	4.3b,3.9s		
ISC	**III**	**05 22 46 27.3**±.86	**3.2N**±.19	**127.2E**±.60	**33**	**3.7b**	**7**	**24-85**
EIDC	III	05 22 46 24.7	3.3N	127.8E	0	3.8b		¶97iii1142
NEIC	III	05 22 46 27.4	3.21N	127.22E	33			
NEIC		Poor solution.						
ISC	**III**	**06 06 23 27.3**±.33	**3.10N**±.050	**127.1E**±.11	**33**	**4.5b,4.2s**	**46**	**4-146**
EIDC	III	06 06 23 23.5	3.1N	126.9E	0	4.5b		¶97iii1213
MOS	III	06 06 23 26.0	2.9N	127.0E	33	5.2b		
NEIC	III	06 06 23 26.8	3.11N	126.87E	33	4.7b		
BJI	III	06 06 23 30.8	4.00N	126.32E	5	4.7b,4.2s		
NEIC		Less reliable solution.						
ISC	**III**	**06 06 32 03**±5.2	**3.08N**±.077	**126.8E**±.15	**44**±48	**4.4b**,4.5s	**35**	**17-100**
EIDC	III	06 06 31 58.7	3.1N	127.0E	0	4.3b		¶97iii1216
NEIC	III	06 06 32 01.6	3.10N	126.81E	33	4.4b		
BJI	III	06 06 32 01.7	2.81N	127.04E	51	4.6b		
MOS	III	06 06 32 01.9	3.1N	126.8E	33	5.0b		
NEIC		Less reliable solution.						
ISC	**III**	**06 07 27 17**±6.0	**3.08N**±.078	**126.8E**±.16	**59**±57	**4.4b**,4.1s	**31**	**23-146**
EIDC	III	06 07 27 11.3	3.0N	126.8E	0	4.4b,3.8s		¶97iii1225
NEIC	III	06 07 27 14.4	3.09N	126.76E	33	4.5b		
BJI	III	06 07 27 14.5	3.38N	127.01E	24	4.6b,4.8s		
NEIC		Less reliable solution.						
ISC	**III**	**06 08 29 00.1**±.47	**3.67N**±.063	**126.6E**±.17	**33**	**4.4b**	**24**	**19-92**
EIDC	III	06 08 28 56.7	3.7N	126.6E	0	4.4b		¶97iii1234
MOS	III	06 08 28 59.7	3.8N	126.5E	33	4.9b		
NEIC	III	06 08 29 00.4	3.64N	126.53E	33	4.7b		
ISC	**III**	**07 22 56 40.7**±.41	**3.14N**±.061	**126.9E**±.13	**33**	**4.2b**	**36**	**4-122**
EIDC	III	07 22 56 37.5	3.1N	127.0E	0	4.2b,5.2L		¶97iii1619
BJI	III	07 22 56 40.1	3.16N	126.92E	29	4.5b		
MOS	III	07 22 56 40.3	3.1N	126.5E	33	5.0b		
NEIC	III	07 22 56 40.9	3.12N	126.87E	33	4.6b		
NEIC		Less reliable solution.						
ISC	**III**	**08 10 20 36**±1.9	**3.09N**±.073	**126.8E**±.18	**81**±19	**4.3b**	**26**	**4-122**
EIDC	III	08 10 20 28.7	3.1N	127.5E	0	4.3b		¶97iii1733
MOS	III	08 10 20 32.8	3.1N	126.8E	54	5.0b		
NEIC	III	08 10 20 35.6	3.04N	126.78E	75	4.5b		
BJI	III	08 10 20 36.4	3.08N	126.80E	96	4.6b		
NEIC		Less reliable solution.						
EIDC	**III**	**09 17 13 02.4**	**3.2N**	**127.5E**	**0**	**3.7b**		**24-57**
								¶97iii2027
ISC	**III**	**10 05 56 23**±1.9	**4.07N**±.082	**126.8E**±.17	**63**±19	**4.3b**	**22**	**3-121**
BJI	III	10 05 56 22.1	4.00N	126.80E	50	4.9b		¶97iii2153
NEIC	III	10 05 56 22.1	4.04N	126.85E	50	4.0b		
EIDC	III	10 05 56 23.7	4.1N	127.0E	46	4.1b,5.0L		
ISC	**III**	**15 09 57 22**±1.7	**3.1N**±.11	**127.9E**±.15	**130**±19	**4.0b**	**15**	**4-100**
EIDC	III	15 09 57 09.5	3.5N	129.4E	0	3.9b		¶97iii3026
NEIC	III	15 09 57 21.6	3.14N	127.96E	130	4.1b		
NEIC		Less reliable solution.						
ISC	**III**	**16 22 24 05**±1.4	**4.32N**±.046	**126.9E**±.12	**98**±13	**4.6b**	**51**	**3-131**
MOS	III	16 22 24 03.0	4.3N	126.9E	80	4.9b		¶97iii3276
BJI	III	16 22 24 04.2	4.27N	126.78E	97	4.5b		
NEIC	III	16 22 24 05.5	4.31N	126.86E	100	4.8b		
EIDC	III	16 22 24 07.1	4.4N	127.1E	103	4.2b		

ISC	**III**	**17 19 56 24**±1.0	**3.78N**±.035	**126.05E**±.052	**138**±9.9	**4.5b**	**89**	**3-157**
MOS	III	17 19 56 17.9	3.8N	126.0E	82	5.1b		¶97iii3427
NEIC	III	17 19 56 20.2	3.76N	126.05E	100	5.0b		
BJI	III	17 19 56 22.2	3.67N	125.88E	127	4.6b		
EIDC	III	17 19 56 24.0	3.8N	126.1E	121	4.3b		
ISC	**III**	**19 19 27 41**±1.5	**5.0N**±.16	**127.4E**±.34	**33**	**4.5b**	**12**	**26-84**
NEIC	III	19 19 27 40.5	4.99N	127.45E	33	4.6b		¶97iii3756
EIDC	III	19 19 27 52.4	3.8N	137.7E	0	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**02 09 36 00**±1.8	**4.0N**±.17	**127.2E**±.65	**33**	**4.0b**	**8**	**22-85**
EIDC	IV	02 09 35 55.7	4.1N	127.1E	0	4.1b		¶97iv0225
ISC	**IV**	**10 00 21 01.1**±.51	**3.03N**±.065	**127.1E**±.13	**33**	**4.3b**,2.9s	**22**	**3-100**
EIDC	IV	10 00 20 58.2	3.0N	127.3E	0	4.1b,3.0s		¶97iv1604
MOS	IV	10 00 21 00.0	3.1N	127.2E	33	4.8b		
NEIC	IV	10 00 21 01.0	3.04N	127.03E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**10 07 27 38**±8.6	**4.3N**±.14	**125.6E**±.71	**24**±60	**4.0b**	**11**	**4-90**
EIDC	IV	10 07 27 37.1	4.4N	126.1E	0	4.0b		¶97iv1651
NEIC	IV	10 07 27 39.5	4.36N	125.76E	33	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**12 21 10 33**±1.8	**3.7N**±.12	**127.0E**±.40	**78**±18	**4.6b**	**19**	**4-91**
BJI	IV	12 21 10 22.4	3.14N	127.55E	33	5.0b,5.0s		¶97iv2131
EIDC	IV	12 21 10 23.5	3.1N	124.5E	0	4.6b,4.8L		
NEIC	IV	12 21 10 28.7	3.92N	127.82E	33	4.5b		
NEIC	Poor solution.							
ISC	**IV**	**12 23 57 49**±1.7	**3.8N**±.11	**126.9E**±.25	**91**±15	**4.1b**	**22**	**4-140**
EIDC	IV	12 23 57 47.5	3.6N	126.8E	63	3.9b,4.7L		¶97iv2156
BJI	IV	12 23 57 49.0	3.81N	126.98E	102	4.5b		
NEIC	IV	12 23 57 50.1	3.80N	126.90E	100	4.6b		
NEIC	Less reliable solution.							
EIDC	**IV**	**13 01 37 45.0**	**3.9N**	**127.1E**	**0**	**3.9b**,2.9s		**28-57**
								¶97iv2169
ISC	**IV**	**13 09 38 10**±1.1	**4.0N**±.20	**127.7E**±.38	**33**	**3.7b**	**7**	**25-84**
EIDC	IV	13 09 38 07.2	3.9N	127.7E	0	3.8b		¶97iv2214
NEIC	IV	13 09 38 10.3	3.95N	127.67E	33	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**16 17 42 05**±1.2	**4.65N**±.080	**127.7E**±.15	**119**±13	**3.9b**	**18**	**3-84**
NEIC	IV	16 17 42 05.7	4.64N	127.68E	120	4.2b		¶97iv2793
EIDC	IV	16 17 42 06.0	4.7N	127.8E	110	3.6b,3.5s		
NEIC	Less reliable solution.							
ISC	**IV**	**17 08 51 06**±1.5	**4.89N**±.049	**127.6E**±.15	**103**±15	**4.3b**	**35**	**3-98**
MOS	IV	17 08 51 02.4	5.0N	127.6E	78	4.7b		¶97iv2873
BJI	IV	17 08 51 05.8	4.81N	127.61E	112	4.4b		
NEIC	IV	17 08 51 06.4	4.86N	127.58E	110	4.6b		
EIDC	IV	17 08 51 08.4	4.9N	127.6E	116	4.0b,2.9s		
ISC	**IV**	**25 14 22 28**±1.5	**4.90N**±.048	**127.57E**±.067	**177**±15	**4.4b**	**48**	**4-98**
NEIC	IV	25 14 22 25.9	4.94N	127.63E	155	4.7b		¶97iv4354
BJI	IV	25 14 22 26.0	5.01N	127.60E	147	4.4b		
MOS	IV	25 14 22 27.8	4.9N	127.6E	174	4.7b		
EIDC	IV	25 14 22 27.8	4.9N	127.6E	160	4.1b		
ISC	**IV**	**28 16 29 56**±2.1	**3.8N**±.14	**127.9E**±.33	**183**±24	**3.8b**	**8**	**4-38**
EIDC	IV	28 16 29 56.8	3.8N	128.0E	166	3.5b		¶97iv4954
ISC	**V**	**05 21 10 04**±2.3	**4.4N**±.12	**127.7E**±.38	**145**±24	**4.0b**	**15**	**3-98**
NEIC	V	05 21 09 59.5	4.55N	128.27E	100	4.2b		¶97v0849
EIDC	V	05 21 10 05.1	4.4N	127.6E	142	3.7b		
NEIC	Less reliable solution.							
ISC	**V**	**15 19 37 06**±2.0	**4.3N**±.12	**126.0E**±.28	**154**±23	**4.0b**	**10**	**4-56**
EIDC	V	15 19 36 51.4	4.3N	126.0E	0	4.1b		¶97v2663
NEIC	V	15 19 37 00.8	4.33N	125.99E	100	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**16 23 45 05**±1.1	**4.1N**±.23	**125.2E**±.77	**33**	**3.9b**	**7**	**25-90**
EIDC	V	16 23 45 02.2	4.1N	125.4E	0	4.0b		¶97v2849
ISC	**V**	**18 09 56 09**±1.4	**3.62N**±.053	**126.9E**±.14	**87**±13	**4.5b**	**47**	**4-99**
BJI	V	18 09 56 08.5	3.85N	126.70E	66	4.9b		¶97v3061
MOS	V	18 09 56 08.6	3.7N	126.9E	80	5.0b		
NEIC	V	18 09 56 08.7	3.65N	126.88E	83	4.7b		
EIDC	V	18 09 56 10.3	3.6N	126.9E	79	4.3b,3.9s		
NEIC	Less reliable solution.							
ISC	**V**	**18 12 25 09**±1.0	**4.5N**±.11	**125.8E**±.50	**33**	**3.8b**	**9**	**4-89**
EIDC	V	18 12 25 05.7	4.8N	126.8E	0	4.0b		¶97v3079
ISC	**V**	**23 14 21 45**±2.8	**4.2N**±.13	**125.8E**±.54	**110**±28	**3.9b**	**10**	**4-90**
EIDC	V	23 14 21 33.7	4.2N	125.5E	0	4.1b		¶97v3963
NEIC	V	23 14 21 36.8	4.27N	125.64E	33	4.1b		
NEIC	Poor solution.							
EIDC	**V**	**29 07 50 27.7**	**2.4N**	**125.9E**	**0**	**4.0b**		**24-71**
								¶97v4840
EIDC	**V**	**30 10 26 01.1**	**4.7N**	**126.2E**	**0**	**4.2b**		**26-91**
								¶97v5022
ISC	**V**	**30 23 11 26**±2.0	**2.61N**±.072	**125.6E**±.18	**113**±19	**4.1b**	**26**	**6-99**
NEIC	V	30 23 11 24.7	2.64N	125.78E	100			¶97v5111
EIDC	V	30 23 11 26.1	2.6N	125.8E	93	4.0b		
NEIC	Single network solution.							
ISC	**VI**	**04 10 54 20**±2.0	**4.9N**±.11	**126.5E**±.23	**54**±19	**3.7b**	**10**	**2-91**
EIDC	VI	04 10 54 14.4	5.0N	126.7E	0	3.8b,4.2L		¶97vi0604
NEIC	VI	04 10 54 17.5	4.89N	126.62E	33			
NEIC	Single network solution.							
ISC	**VI**	**05 22 09 07**±2.4	**3.74N**±.097	**126.8E**±.25	**44**±25	**4.1b**	**12**	**4-57**
EIDC	VI	05 22 09 03.0	3.7N	126.9E	0	4.1b,4.5L		¶97vi0833
NEIC	VI	05 22 09 07.6	3.75N	126.80E	50	4.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**05 23 54 38.9**±.96	**4.46N**±.052	**126.31E**±.093	**71**±9.0	**4.6b**	**56**	**3-162**
MOS	VI	05 23 54 33.5	4.5N	126.3E	25	5.2b		¶97vi0853
NEIC	VI	05 23 54 37.8	4.47N	126.26E	60	4.8b		
EIDC	VI	05 23 54 39.9	4.4N	126.2E	63	4.4b,3.4s		
ISC	**VI**	**11 01 45 45.2**±.52	**3.22N**±.073	**127.0E**±.19	**24**	**4.2b**	**22**	**21-122**
NEIC	VI	11 01 45 45.2	3.21N	126.96E	24	4.4b		¶97vi1604
EIDC	VI	11 01 45 47.1	3.2N	127.0E	25	4.1b		
EIDC	**VI**	**11 02 15 28.8**	**4.5N**	**126.9E**	**0**	**3.9b**		**25-39**
								¶97vi1607
EIDC	**VI**	**20 22 20 45.9**	**4.5N**	**127.0E**	**0**	**4.0b**,4.8L		**3-91**
								¶97vi3117
ISC	**VI**	**25 00 10 58**±2.3	**3.92N**±.094	**126.7E**±.24	**86**±22	**4.2b**	**13**	**5-92**
NEIC	VI	25 00 10 52.1	3.98N	126.72E	33			¶97vi3805
EIDC	VI	25 00 10 57.7	3.9N	126.7E	66	3.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**29 03 58 49.4**±.66	**4.22N**±.035	**126.00E**±.073	**157**±7.3	**4.5b**	**63**	**3-167**
MOS	VI	29 03 58 44.8	4.2N	126.0E	114	4.8b		¶97vi4566
BJI	VI	29 03 58 48.2	4.12N	126.05E	143	4.6b		
NEIC	VI	29 03 58 48.8	4.21N	126.04E	150	4.9b		
EIDC	VI	29 03 58 49.2	4.2N	126.3E	138	4.1b,3.3s		

(264) North of Djailolo Gilolo (Halmahera).

EIDC	**I**	**07 08 14 31.7**	**3.8N**	**128.3E**	**0**	**3.9b**		**24-38**
								¶97i0896
EIDC	**II**	**07 22 27 55.3**	**3.3N**	**129.3E**	**0**	**3.9b**		**24-58**
								¶97ii1050
ISC	**III**	**05 04 12 43.1**±.84	**3.3N**±.13	**128.2E**±.31	**33**	**3.9b**	**8**	**16-57**
EIDC	III	05 04 12 40.2	3.2N	128.3E	0	4.0b		¶97iii0976
NEIC	III	05 04 12 42.8	3.28N	128.27E	33	3.8b		
NEIC	Poor solution.							
EIDC	**III**	**20 02 28 06.1**	**3.2N**	**129.7E**	**0**	**3.6b**		**23-37**
								¶97iii3815
ISC	**III**	**20 21 51 05**±1.2	**3.2N**±.21	**128.8E**±.40	**33**	**3.9b**	**6**	**24-92**
EIDC	III	20 21 51 02.9	3.1N	128.7E	0	3.8b		¶97iii3956
ISC	**III**	**23 06 17 49**±7.8	**3.41N**±.058	**128.1E**±.10	**7**±47	**4.5b**	**36**	**4-99**
BJI	III	23 06 17 52.3	3.38N	128.11E	33	4.7b		¶97iii4407
MOS	III	23 06 17 52.4	3.4N	128.0E	33	4.9b		
NEIC	III	23 06 17 52.7	3.40N	128.07E	33	4.6b		
EIDC	III	23 06 17 56.4	3.4N	128.2E	50	4.1b,5.4L		
ISC	**III**	**26 12 17 45**±1.2	**3.4N**±.21	**129.1E**±.40	**150**	**3.5b**	**6**	**24-57**
EIDC	III	26 12 17 29.6	3.5N	129.4E	0	3.6b		¶97iii4955
NEIC	III	26 12 17 44.6	3.40N	129.12E	150	3.6b		
NEIC	Poor solution.							
EIDC	**IV**	**03 03 04 41.4**	**3.2N**	**129.0E**	**0**	**3.7b**		**24-37**
								¶97iv0371
EIDC	**IV**	**06 19 35 03.6**	**3.4N**	**129.2E**	**0**	**3.8b**		**24-57**
								¶97iv1044
EIDC	**V**	**01 14 44 43.3**	**3.1N**	**129.6E**	**0**	**3.8b**		**23-82**
								¶97v0113
EIDC	**V**	**04 10 40 31.0**	**4.1N**	**130.7E**	**0**	**3.5b**		**24-34**
								¶97v0624
ISC	**V**	**10 07 13 26.9**±.85	**4.0N**±.16	**128.2E**±.47	**33**	**4.2b**	**11**	**5-57**
EIDC	V	10 07 13 24.2	4.1N	129.0E	0	4.2b,3.3s		¶97v1541
NEIC	V	10 07 13 26.5	4.00N	128.00E	33	4.3b		
NEIC	Poor solution.							
ISC	**V**	**18 05 48 09**±5.8	**3.0N**±.10	**128.5E**±.21	**247**±60	**4.1b**	**17**	**21-93**
NEIC	V	18 05 48 09.1	3.05N	128.53E	243	4.3b		¶97v3032
EIDC	V	18 05 48 13.1	3.0N	128.5E	268	3.8b		
NEIC	Poor solution.							
EIDC	**V**	**26 08 56 03.0**	**3.4N**	**129.0E**	**0**	**3.7b**		**24-99**
								¶97v4394
EIDC	**VI**	**06 02 41 44.5**	**3.1N**	**128.9E**	**0**	**4.4b**		**24-92**
								¶97vi0871
EIDC	**VI**	**13 21 31 16.1**	**3.2N**	**129.5E**	**0**	**3.6b**		**23-37**
								¶97vi2045
ISC	**VI**	**17 13 26 51**±2.0	**3.28N**±.061	**128.3E**±.15	**68**±20	**4.3b**	**24**	**5-85**
BJI	VI	17 13 26 47.6	3.37N	128.46E	32	4.4b		¶97vi2635
NEIC	VI	17 13 26 47.7	3.28N	128.29E	33	4.5b		
EIDC	VI	17 13 26 52.8	3.2N	128.3E	63	4.0b,3.2s		
EIDC	**VI**	**27 16 45 06.6**	**3.4N**	**128.4E**	**0**	**4.1b**		**24-37**
								¶97vi4328

(265) Minahassa Peninsula (Celebes).

ISC	**I**	**01 22 32 33.0**±.73	**0.12S**±.026	**123.87E**±.031	**125**±7.0	**5.7b**	**372**	**4-164**
MOS	I	01 22 32 21.8	0.1S	123.5E	26	6.5b,4.8s		¶97i0130
EIDC	I	01 22 32 30.7	0.1S	123.8E	89	5.2b,4.8s		
KLM	I	01 22 32 32	0.1S	123.8E	115	5.6L		
BJI	I	01 22 32 32.2	0.12S	123.90E	118	6.1b		
NEIC	I	01 22 32 32.3	0.13S	123.82E	115	5.9b		
HRVD	I	01 22 32 35.4±.2	0.14S±.01	124.10E±.02	120±.8			
KLM	Mb5.9							
NEIC	Mw5.8(GS), Me5.7(GS).							
NEIC	Mw 5.8 (HRV).							
NEIC	Radiated energy from the P−wave first−motion solution: 7.9±1.8×10^{12}Nm/11							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S180°,δ35°,λ105°. NP2:ϕ_S342°,δ56°,λ80°. Principal axes: T Plg76°,Azm220°; P Plg11°,Azm79°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}4.14; $M_{\theta\theta}$0.72; $M_{\phi\phi}$−4.86; $M_{r\theta}$1.48; $M_{r\phi}$2.17; $M_{\theta\phi}$2.81. Depth 99km; Principal axes: T 5.61,Plg59°,Azm326°; N 0.63,Plg30°,Azm164°; P −6.24,Plg8°,Azm70°. Best double couple: $M_0$5.9×10^{17}Nm; NP1:ϕ_S130°,δ45°,λ45°. NP2:ϕ_S4°, δ60°,λ125°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c91; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}4.73±.08; $M_{\theta\theta}$0.10±.11; $M_{\phi\phi}$−4.83±.14; $M_{r\theta}$2.22±.08; $M_{r\phi}$2.36±.08; $M_{\theta\phi}$1.45±.11. Principal Axes: T 6.29,Plg64°,Azm328°; N −0.75, Plg24°,Azm174°; P −5.54,Plg11°,Azm80°. Best double couple: $M_0$5.9×10^{17}Nm, NP1: ϕ_S143°,δ40°,λ51°. NP2:ϕ_S9°,δ60°,λ118°.							
ISC	**I**	**02 21 30 38**±1.4	**0.64N**±.044	**124.12E**±.066	**191**±15	**4.8b**	**65**	**5-124**
BJI	I	02 21 30 37.0	0.72N	124.33E	188	4.7b		¶97i0275
NEIC	I	02 21 30 37.5	0.66N	124.07E	191	5.2b		
EIDC	I	02 21 30 37.6	0.6N	124.2E	176	4.2b		
ISC	**I**	**03 15 05 43.9**±.42	**0.85S**±.068	**120.8E**±.10	**33**	**4.0b**,3.2s	**24**	**5-153**
EIDC	I	03 15 05 41.6	0.8S	120.9E	0	4.1b,3.2s		¶97i0395
NEIC	I	03 15 05 43.5	0.82S	120.76E	33	3.9b		
BJI	I	03 15 05 45.0	0.80S	120.80E	33	4.7b,4.5s		
NEIC	Less reliable solution.							
ISC	**I**	**05 18 17 24**±1.2	**0.6S**±.15	**122.8E**±.15	**33**	**3.8b**	**6**	**5-36**
EIDC	I	05 18 17 15.4	1.2N	125.0E	0	3.7b		¶97i0697
ISC	**I**	**11 16 42 06**±1.8	**0.2N**±.36	**123.9E**±.93	**33**	**3.8b**	**6**	**15-60**
EIDC	I	11 16 42 04.8	0.6N	125.7E	0	3.7b		¶97i1546
EIDC	**I**	**12 15 18 02.1**	**0.1S**	**122.7E**	**0**	**3.6b**		**5-36**
								¶97i1700
ISC	**I**	**16 11 28 50**±6.1	**1.28N**±.078	**121.7E**±.11	**108**±61	**4.3b**	**39**	**24-127**
EIDC	I	16 11 28 38.1	1.5N	121.8E	0	4.3b		¶97i2302
NEIC	I	16 11 28 41.7	1.30N	121.57E	33	4.4b		
BJI	I	16 11 28 42.3	1.55N	121.62E	22	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**26 12 50 25.7**±.84	**0.8N**±.11	**120.0E**±.22	**33**	**4.4b**	**16**	**18-44**
EIDC	I	26 12 50 22.6	0.8N	120.0E	0	4.6b		¶97i3946
BJI	I	26 12 50 24.4	0.95N	120.29E	32	4.7b		
NEIC	I	26 12 50 26.3	0.79N	120.10E	33	4.5b		
NEIC	Poor solution.							
EIDC	**I**	**30 14 33 26.1**	**0.5N**	**121.6E**	**0**	**3.9b**		**17-37**
								¶97i4495
ISC	**II**	**02 04 56 10.2**±.75	**0.00S**±.031	**123.58E**±.044	**162**±7.8	**4.8b**	**149**	**5-162**
BJI	II	02 04 56 08.6	0.00N	123.73E	145	4.8b		¶97ii0174
KLM	II	02 04 56 09	0.1S	123.6E	150	4.2L		
NEIC	II	02 04 56 09.4	0.01S	123.63E	150	4.9b		
MOS	II	02 04 56 10.1	0.0N	123.6E	158	5.0b		
EIDC	II	02 04 56 13.8	0.1N	123.8E	182	4.5b		
KLM	Mb4.9							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**II**	**03 17 45 33.8**	**0.1N**	**121.5E**	**0**	**3.7b**		**24-37**
								¶97ii0406
ISC	**II**	**06 01 54 26.5**±.71	**0.03S**±.045	**122.43E**±.061	**299**±8.8	**4.3b**	**81**	**4-161**
BJI	II	06 01 54 14.4	0.92S	123.06E	250	4.6b		**¶97ii0784**
NEIC	II	06 01 54 21.8	0.03N	122.41E	250	4.5b		
MOS	II	06 01 54 22.0	0.1N	122.4E	256	4.4b		
EIDC	II	06 01 54 25.6	0.1N	122.5E	274	4.0b		
ISC	**II**	**11 04 55 40.7**±.40	**0.84N**±.052	**121.1E**±.11	**33**	**4.1b**	**30**	**5-128**
BJI	II	11 04 55 38.2	0.68N	121.16E	21	4.4b		**¶97ii1588**
EIDC	II	11 04 55 38.2	1.0N	121.7E	0	4.1b		
MOS	II	11 04 55 40.4	0.9N	121.3E	33	4.2b		
NEIC	II	11 04 55 40.4	0.92N	121.45E	33	4.3b		
NEIC		Less reliable solution.						
ISC	**II**	**14 03 53 54**±2.9	**0.2S**±.32	**123.4E**±.10	**33**	**3.9b**	**8**	**4-26**
								¶97ii2022
ISC	**II**	**19 21 20 12**±2.7	**0.7N**±.74	**123.8E**±.91	**33**	**3.8b**	**7**	**23-37**
EIDC	II	19 21 20 07.5	1.0N	124.2E	0	3.7b		**¶97ii2838**
ISC	**II**	**22 15 22 52**±1.2	**0.44N**±.046	**122.23E**±.086	**160**±12	**4.5b**	**71**	**4-161**
NEIC	II	22 15 22 52.8	0.46N	122.24E	164	5.0b		**¶97ii3221**
KLM	II	22 15 22 53	0.4N	122.2E	164	4.4L		
MOS	II	22 15 22 54.9	0.5N	122.3E	188	4.8b		
BJI	II	22 15 22 54.9	0.78N	122.83E	175	4.5b		
EIDC	II	22 15 22 59.5	0.5N	122.4E	212	3.9b		
KLM		Mb5.0						
ISC	**II**	**24 19 00 44**±1.3	**0.48N**±.057	**122.2E**±.11	**142**±13	**4.5b**	**48**	**5-154**
BJI	II	24 19 00 43.6	0.66N	122.55E	132	4.4b		**¶97ii3528**
KLM	II	24 19 00 44	0.5N	122.2E	140	3.9L		
NEIC	II	24 19 00 44.1	0.51N	122.21E	140	4.7b		
EIDC	II	24 19 00 46.8	0.4N	122.3E	143	3.9b		
MOS	II	24 19 01 00.8	0.4N	122.3E	317	4.0b		
KLM		Mb4.7						
ISC	**III**	**09 01 24 11**±1.1	**0.21N**±.052	**122.15E**±.073	**187**±11	**4.5b**	**47**	**4-127**
MOS	III	09 01 23 54.5	0.4N	122.1E	33	5.1b		**¶97iii1875**
BJI	III	09 01 24 08.2	0.39N	122.36E	158	4.6b		
KLM	III	09 01 24 09	0.2N	122.1E	172	4.1L		
NEIC	III	09 01 24 09.4	0.24N	122.15E	172	4.8b		
EIDC	III	09 01 24 12.6	0.3N	122.4E	184	3.9b		
KLM		Mb 4.8						
NEIC		Less reliable solution.						
ISC	**III**	**16 21 00 02**±1.4	**0.8S**±.10	**121.3E**±.14	**55**±14	**4.3b**	**17**	**3-80**
NEIC	III	16 21 00 00.1	0.87S	121.24E	33	4.5b		**¶97iii3270**
EIDC	III	16 21 00 40.3	1.6S	121.0E	423	3.5b		
NEIC		Less reliable solution.						
ISC	**III**	**17 10 40 10**±1.4	**0.4S**±.17	**123.5E**±.11	**33**	**3.9b**	**9**	**5-90**
EIDC	III	17 10 40 07.7	0.3S	123.8E	0	3.8b		**¶97iii3365**
ISC	**III**	**17 11 54 59**±1.3	**0.4S**±.14	**123.1E**±.10	**67**±2.1*	**3.9b**	**11**	**4-36**
NEIC	III	17 11 54 55.3	0.18S	123.38E	33	4.2b		**¶97iii3375**
EIDC	III	17 11 55 01.0	0.4S	123.2E	69	3.7b		
NEIC		Less reliable solution.						
ISC	**III**	**19 05 05 42.0**±.73	**1.48N**±.097	**123.6E**±.20	**50**	**3.9b**	**11**	**8-125**
EIDC	III	19 05 05 37.2	1.3N	123.2E	0	3.9b		**¶97iii3636**
NEIC	III	19 05 05 42.2	1.48N	123.53E	50	4.1b		
BJI	III	19 05 05 42.7	1.44N	123.58E	48	5.0b		
NEIC		Less reliable solution.						
ISC	**III**	**21 05 51 35**±1.5	**0.41N**±.072	**120.58E**±.096	**77**±14	**4.1b**	**35**	**4-128**
NEIC	III	21 05 51 37.9	0.40N	120.56E	100	4.4b		**¶97iii4006**
EIDC	III	21 05 51 42.0	0.3N	120.6E	124	3.9b,3.5s		
MOS	III	21 05 52 04.9	0.1N	121.1E	374	4.4b		
NEIC		Less reliable solution.						
ISC	**III**	**21 18 20 17.6**±.94	**0.48S**±.093	**120.0E**±.21	**33**	**3.6b**	**10**	**3-62**
EIDC	III	21 18 20 14.6	0.8S	119.6E	0	3.6b		**¶97iii4113**
ISC	**III**	**29 15 55 11**±1.2	**0.9N**±.12	**121.3E**±.18	**33**	**3.8b**	**9**	**5-59**
EIDC	III	29 15 55 17.6	0.7N	121.3E	83	3.6b		**¶97iii5614**
ISC	**III**	**30 19 42 52**±4.4	**1.0N**±.60	**120.2E**±.61	**33**	**4.1b**	**7**	**20-82**
EIDC	III	30 19 42 46.3	1.2N	120.2E	0	4.2b		**¶97iii5794**
ISC	**III**	**31 01 14 56**±2.4	**0.24N**±.099	**123.7E**±.17	**127**±26	**4.2b**	**20**	**5-93**
EIDC	III	31 01 14 54.2	0.2N	123.8E	98	4.0b,3.1s		**¶97iii5824**
NEIC	III	31 01 14 55.2	0.22N	123.69E	120	4.5b		
NEIC		Less reliable solution.						
ISC	**IV**	**01 02 48 27.9**±.62	**1.03N**±.044	**123.86E**±.062	**280**±6.8	**4.3b**	**60**	**1-128**
MOS	IV	01 02 48 26.4	1.0N	123.7E	268	4.6b		**¶97iv0015**
BJI	IV	01 02 48 27.3	0.98N	123.86E	278	4.4b		
NEIC	IV	01 02 48 27.3	1.06N	123.81E	278	4.6b		
EIDC	IV	01 02 48 28.2	1.2N	124.1E	271	4.1b		
NEIC		Less reliable solution.						
EIDC	**IV**	**05 02 02 51.9**	**1.2N**	**124.3E**	**0**	**3.6b**		**6-88**
								¶97iv0677
ISC	**IV**	**05 19 45 09**±2.0	**0.9S**±.10	**121.3E**±.13	**63**±22	**3.8b**	**13**	**5-74**
EIDC	IV	05 19 45 03.3	0.9S	121.6E	0	3.9b,3.1s		**¶97iv0839**
NEIC	IV	05 19 45 06.5	0.81S	121.37E	33	3.7b		
NEIC		Less reliable solution.						
ISC	**IV**	**13 20 51 10.6**±.97	**0.67N**±.036	**120.40E**±.065	**61**±9.8	**4.6b**	**76**	**2-162**
BJI	IV	13 20 51 07.2	0.59N	120.32E	33	4.9b		**¶97iv2298**
MOS	IV	13 20 51 07.4	0.6N	120.3E	33	5.1b		
NEIC	IV	13 20 51 07.6	0.66N	120.28E	33	4.8b		
EIDC	IV	13 20 51 09.8	0.6N	120.4E	37	4.4b,4.8L		
ISC	**IV**	**18 07 50 42.5**±.94	**1.5N**±.12	**120.2E**±.25	**33**	**3.6b**	**6**	**2-60**
EIDC	IV	18 07 50 39.8	1.5N	120.2E	0	3.8b		**¶97iv3038**
NEIC	IV	18 07 50 42.6	1.50N	120.22E	33			
NEIC		Less reliable solution.						
ISC	**IV**	**18 08 03 12.2**±.63	**0.09N**±.044	**123.50E**±.063	**171**±6.7	**4.4b**	**50**	**2-154**
EIDC	IV	18 08 03 10.4	0.2N	123.7E	140	4.1b		**¶97iv3042**
MOS	IV	18 08 03 11.6	0.1N	123.6E	176	4.6b		
NEIC	IV	18 08 03 11.7	0.07N	123.45E	163	4.8b		
BJI	IV	18 08 03 12.5	0.10N	123.45E	152	4.7b		
ISC	**IV**	**20 07 27 23**±1.1	**0.49S**±.094	**123.5E**±.12	**80**±14	**3.7b**	**13**	**2-93**
EIDC	IV	20 07 27 15.3	0.2S	123.9E	0	3.8b		**¶97iv3287**
NEIC	IV	20 07 27 26.3	0.42S	123.97E	100	3.7b		
NEIC		Poor solution.						
ISC	**IV**	**27 06 44 32**±2.0	**0.84N**±.066	**121.3E**±.14	**87**±20	**4.4b**	**36**	**5-162**
NEIC	IV	27 06 44 31.1	0.85N	121.24E	79	4.5b		**¶97iv4678**
EIDC	IV	27 06 44 33.1	0.8N	121.2E	81	4.1b		
BJI	IV	27 06 44 38.3	1.84N	121.52E	79	4.9b		
EIDC	**IV**	**27 06 50 32.5**	**1.4N**	**124.2E**	**389**	**3.3b**		**23-59**
								¶97iv4679
EIDC	**IV**	**28 03 53 30.5**	**0.3N**	**121.5E**	**0**	**3.9b**		**4-90**
								¶97iv4843
ISC	**IV**	**29 23 15 06**±1.3	**0.03N**±.063	**122.98E**±.098	**212**±15	**4.2b**	**53**	**5-160**
BJI	IV	29 23 14 56.9	0.53S	123.58E	181	4.8b		**¶97iv5131**
NEIC	IV	29 23 15 03.0	0.13N	122.98E	181	4.6b		
EIDC	IV	29 23 15 04.3	0.1N	123.1E	182	4.0b,2.8s		
MOS	IV	29 23 15 13.2	0.1N	123.0E	288	4.7b		
ISC	**V**	**04 04 36 14**±2.0	**1.24N**±.045	**122.2E**±.10	**44**±20	**4.5b,3.6s**	**45**	**7-162**
BJI	V	04 04 36 12.5	1.20N	122.20E	33	4.7b		**¶97v0566**
NEIC	V	04 04 36 12.5	1.22N	122.16E	33	4.7b		
MOS	V	04 04 36 13.0	1.3N	122.5E	33	4.8b		
EIDC	V	04 04 36 18.7	1.3N	122.6E	64	4.1b,3.6s		
EIDC	**V**	**05 00 41 55.3**	**1.2N**	**122.4E**	**0**	**4.3b**		**5-39**
								¶97v0715
ISC	**V**	**06 02 59 45**±1.4	**1.0N**±.29	**120.4E**±.69	**33**	**4.0b**	**9**	**25-60**
EIDC	V	06 02 59 43.3	1.0N	120.7E	0	4.1b,3.4s		**¶97v0896**
NEIC	V	06 02 59 45.4	1.01N	120.48E	33	4.0b		
NEIC		Poor solution.						
ISC	**V**	**07 03 51 20**±1.4	**1.40N**±.052	**122.92E**±.086	**34**±15	**4.3b**,3.7s	**30**	**6-89**
BJI	V	07 03 51 21.9	1.40N	123.00E	50	4.5b,4.5s		**¶97v1051**
NEIC	V	07 03 51 21.9	1.44N	123.02E	50	4.4b		
EIDC	V	07 03 51 26.6	1.5N	123.3E	79	4.0b,3.3s		
NEIC		Less reliable solution.						
ISC	**V**	**08 17 25 04.9**±.92	**0.2S**±.15	**122.8E**±.20	**250**	**3.9b**	**11**	**23-90**
EIDC	V	08 17 24 59.8	0.1N	123.2E	182	3.5b		**¶97v1283**
NEIC	V	08 17 25 04.8	0.16S	122.86E	250	4.0b		
NEIC		Less reliable solution.						
ISC	**V**	**11 21 42 17**±2.1	**0.06S**±.084	**122.2E**±.16	**298**±22	**4.1b**	**27**	**8-161**
NEIC	V	11 21 42 17.3	0.04S	122.24E	300	4.6b		**¶97v1847**
EIDC	V	11 21 42 20.6	0.0S	122.4E	316	3.7b		
NEIC		Less reliable solution.						
ISC	**V**	**13 22 49 40**±1.3	**0.8S**±.13	**120.8E**±.18	**33**	**3.5b**	**9**	**3-73**
EIDC	V	13 22 49 39.3	0.5S	121.7E	0	3.5b		**¶97v2346**
ISC	**V**	**17 16 38 42**±1.3	**0.30S**±.047	**123.05E**±.096	**93**±14	**4.3b**	**39**	**4-154**
EIDC	V	17 16 38 33.7	0.1S	123.4E	0	4.3b,2.8s		**¶97v2958**
MOS	V	17 16 38 36.5	0.1S	123.3E	33	4.8b		
BJI	V	17 16 38 44.3	0.30S	123.20E	110	4.8b		
NEIC	V	17 16 38 44.3	0.26S	123.17E	110	4.5b		
NEIC		Less reliable solution.						
ISC	**V**	**20 00 48 33**±1.1	**0.75N**±.061	**123.41E**±.057	**97**±11	**4.4b**	**38**	**4-92**
BJI	V	20 00 48 26.8	0.80N	123.00E	46	4.6b		**¶97v3332**
NEIC	V	20 00 48 26.8	0.80N	123.05E	46	4.7b		
MOS	V	20 00 48 27.6	0.9N	123.4E	56	4.7b		
EIDC	V	20 00 48 27.8	0.9N	123.4E	44	4.1b		
NEIC		Less reliable solution.						
ISC	**V**	**24 07 46 13.8**±.36	**0.38N**±.046	**119.87E**±.095	**33**	**4.3b,3.7s**	**49**	**4-154**
EIDC	V	24 07 46 10.4	0.4N	120.0E	0	4.2b,3.4s		**¶97v4078**
NEIC	V	24 07 46 13.1	0.41N	119.79E	33	4.4b		
BJI	V	24 07 46 16.2	0.03N	119.19E	45	4.8b		
MOS	V	24 07 46 29.9	2.7N	120.0E	33	4.9b		
NEIC		Less reliable solution.						
ISC	**V**	**24 12 02 43**±1.4	**1.0N**±.28	**122.0E**±.72	**33**	**3.6b**	**6**	**24-90**
EIDC	V	24 12 02 40.9	1.2N	122.4E	0	3.7b		**¶97v4105**
ISC	**V**	**27 20 58 56.4**±.81	**0.06N**±.040	**123.49E**±.058	**195**±7.8	**4.5b**	**110**	**5-162**
BJI	V	27 20 58 43.7	0.90S	124.16E	156	5.0b		**¶97v4608**
MOS	V	27 20 58 46.7	0.2N	123.3E	106	5.2b		
NEIC	V	27 20 58 52.7	0.15N	123.47E	156	5.2b		
EIDC	V	27 20 58 53.5	0.1N	123.6E	151	4.3b,3.4s		
NEIC		Less reliable solution.						
EIDC	**VI**	**07 14 42 05.8**	**1.3N**	**124.2E**	**0**	**3.6b**		**23-59**
								¶97vi1109
ISC	**VI**	**11 14 57 33**±1.3	**0.17N**±.043	**124.16E**±.073	**85**±13	**4.0b**	**43**	**5-94**
EIDC	VI	11 14 57 29.2	0.1N	124.1E	34	4.0b,3.1s		**¶97vi1704**
BJI	VI	11 14 57 32.0	0.07N	124.46E	75	4.6b		
NEIC	VI	11 14 57 32.6	0.20N	124.24E	76	4.4b		
NEIC		Less reliable solution.						
ISC	**VI**	**21 01 05 16**±2.4	**0.1N**±.14	**122.3E**±.18	**187**±23	**4.3b**	**17**	**4-93**
NEIC	VI	21 01 05 17.3	0.08N	122.35E	200	4.6b		**¶97vi3130**
EIDC	VI	21 01 05 20.7	0.0N	122.3E	219	3.7b		
NEIC		Less reliable solution.						
EIDC	**VI**	**27 16 14 27.2**	**0.8S**	**123.5E**	**0**	**3.4b**		**22-35**
								¶97vi4322
ISC	**VI**	**30 14 38 31.4**±.86	**0.00S**±.041	**123.73E**±.047	**129**±9.3	**4.6b**	**98**	**5-160**
BJI	VI	30 14 38 30.9	0.00N	123.85E	126	5.1b		**¶97vi4774**
MOS	VI	30 14 38 32.8	0.1S	123.5E	147	5.0b		
NEIC	VI	30 14 38 32.8	0.00N	123.63E	139	4.6b		
EIDC	VI	30 14 38 33.3	0.0S	123.9E	127	4.4b,3.6s		

(266) Molucca Passage.

ISC	**I**	**01 02 44 02**±5.0	**2.5N**±.41	**127.5E**±.42	**127**±31	**3.7b**	**9**	**2-37**
EIDC	I	01 02 43 55.9	1.6N	126.4E	12	3.7b		**¶97i0016**
NEIC	I	01 02 44 01.5	2.52N	127.54E	125	3.8b		
NEIC		Poor solution.						
ISC	**I**	**02 12 31 14.3**±.22	**0.44N**±.037	**126.36E**±.059	**42**±3.1*	**4.8b,4.5s**	**106**	**7-159**
NEIC	I	02 12 31 14.3	0.45N	126.44E	41	5.1b		**¶97i0210**
MOS	I	02 12 31 15.7	0.5N	126.5E	57	5.5b		
EIDC	I	02 12 31 18.4	0.4N	126.6E	68	4.3b		
HRVD	I	02 12 31 19.1±.5	0.54N±.06	126.53E±.06	30±3.0			
BJI	I	02 12 31 20.6	1.06N	126.28E	61	4.9b,4.7s		
NEIC		Mw5.4(HRV).						

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c38; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}7.76±.42; $M_{\theta\theta}$−1.21±.37; $M_{\phi\phi}$−6.55±.61; $M_{r\theta}$8.69±1.26; $M_{r\phi}$1.04±1.25; $M_{\theta\phi}$−4.28±.46. Principal Axes: T 13.2,Plg58°,Azm8°; N −2.4, Plg25°,Azm231°; P −10.8,Plg19°,Azm131°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S187°,δ34°,λ41°. NP2:ϕ_S61°,δ69°,λ117°.

ISC	**I**	**02 12 37 34.9**±.78	**0.4N**±.12	**126.2E**±.41	**33**	**4.2b**	**13**	**22-88**
NEIC	I	02 12 37 34.9	0.43N	126.23E	33	4.5b		**¶97i0211**
EIDC	I	02 12 37 41.6	0.4N	126.7E	72	3.9b		
NEIC		Poor solution.						
ISC	**I**	**02 12 51 31.0**±.58	**0.5N**±.11	**126.5E**±.26	**33**	**4.1b**	**13**	**22-88**
EIDC	I	02 12 51 28.3	0.5N	126.6E	0	4.1b		**¶97i0213**
NEIC	I	02 12 51 31.0	0.53N	126.53E	33	4.4b		
NEIC		Less reliable solution.						
ISC	**I**	**02 23 39 44.4**±.83	**0.5N**±.18	**126.5E**±.53	**33**	**4.0b**	**11**	**22-88**
EIDC	I	02 23 39 42.1	0.7N	127.5E	0	3.9b		**¶97i0285**
NEIC	I	02 23 39 44.4	0.52N	126.59E	33	4.3b		
NEIC		Poor solution.						
ISC	**I**	**03 01 22 10**±1.2	**1.81N**±.083	**126.9E**±.13	**86**±12	**4.1b**	**24**	**1-123**
EIDC	I	03 01 22 01.6	1.8N	127.1E	0	4.1b		**¶97i0296**
NEIC	I	03 01 22 10.4	1.81N	126.93E	85	4.5b		
ISC	**I**	**03 04 59 56.4**±.99	**0.5N**±.19	**126.1E**±.55	**33**	**4.3b**	**9**	**22-88**
EIDC	I	03 04 59 54.2	0.5N	126.6E	0	4.3b		**¶97i0322**
NEIC	I	03 04 59 56.1	0.40N	126.04E	33	4.5b		
NEIC		Poor solution.						

EIDC	**I**	**08 15 30 44.3**	**0.4N**	**126.7E**	**0**	**3.6b**	**22-35**	
								¶97i1082
EIDC	**I**	**09 11 19 40.8**	**2.2N**	**126.5E**	**0**	**3.7b**	**23-37**	
								¶97i1205
ISC	**I**	**15 12 47 48.7**±.88	**1.8N**±.12	**125.7E**±.30	**33**	**4.5b**	**12 23-93**	
EIDC	I	15 12 47 45.3	1.8N	125.6E	0	4.4b	**¶97i2157**	
ISC	**I**	**25 01 23 07**±4.5	**0.9N**±.13	**125.3E**±.15	**72**±43	**4.2b**	**29 15-124**	
EIDC	I	25 01 22 59.5	0.8N	125.0E	0	4.3b	**¶97i3717**	
NEIC	I	25 01 23 04.1	0.89N	125.07E	50	4.5b		
NEIC	Less reliable solution.							
EIDC	**I**	**25 03 56 59.3**	**1.2N**	**125.4E**	**0**	**3.5b**	**23-36**	
								¶97i3736
EIDC	**I**	**26 00 11 46.4**	**1.4N**	**125.7E**	**0**	**3.5b**	**23-36**	
								¶97i3861
EIDC	**I**	**29 15 30 08.9**	**2.4N**	**128.0E**	**0**	**3.9b**	**23-36**	
								¶97i4371
ISC	**I**	**30 00 38 53.7**±.45	**1.23N**±.084	**126.1E**±.17	**33**	**4.4b**	**23 15-94**	
EIDC	I	30 00 38 50.5	1.2N	126.0E	0	4.3b	**¶97i4420**	
NEIC	I	30 00 38 53.8	1.23N	126.05E	33	4.7b		
BJI	I	30 00 38 54.0	1.18N	126.10E	32	4.6b		
NEIC	Less reliable solution.							
EIDC	**II**	**01 15 33 35.5**	**2.1N**	**126.5E**	**0**	**3.9b**	**10-37**	
								¶97ii0092
ISC	**II**	**04 13 13 59**±4.1	**1.7N**±.13	**126.4E**±.23	**52**±41	**4.1b**	**16 7-123**	
NEIC	II	04 13 13 56.9	1.80N	126.49E	33	4.3b	**¶97ii0526**	
EIDC	II	04 13 14 00.4	1.4N	125.6E	50	3.9b		
NEIC	Less reliable solution.							
EIDC	**II**	**06 01 08 52.2**	**0.1N**	**126.2E**	**0**	**4.0b**	**14-49**	
								¶97ii0776
EIDC	**II**	**06 18 18 52.6**	**1.9N**	**125.3E**	**0**	**3.7b**	**23-72**	
								¶97ii0887
ISC	**II**	**09 01 00 15**±1.6	**1.8N**±.32	**125.6E**±.98	**33**	**4.0b**	**8 16-59**	
EIDC	II	09 01 00 12.1	2.5N	127.8E	0	3.9b	**¶97ii1230**	
ISC	**II**	**20 03 36 53.2**±.50	**1.0N**±.10	**126.4E**±.22	**33**	**4.4b**,4.3s	**19 6-124**	
EIDC	II	20 03 36 49.7	1.0N	126.5E	0	4.2b,4.3s	**¶97ii2871**	
NEIC	II	20 03 36 53.2	0.99N	126.37E	33	4.5b		
NEIC	Less reliable solution.							
EIDC	**III**	**02 16 46 15.8**	**1.0N**	**125.4E**	**0**	**3.8b**	**23-73**	
								¶97iii0358
ISC	**III**	**03 08 31 21.5**±.64	**1.76N**±.089	**126.1E**±.18	**33**	**4.3b**	**13 5-80**	
NEIC	III	03 08 31 26.0	1.89N	128.15E	33	4.5b	**¶97iii0521**	
EIDC	III	03 08 31 30.3	1.8N	128.0E	64	4.0b,5.1L		
NEIC	Less reliable solution.							
EIDC	**III**	**06 07 59 05.6**	**2.9N**	**127.5E**	**0**	**3.8b**	**24-37**	
								¶97iii1230
EIDC	**III**	**08 10 16 34.7**	**1.9N**	**125.9E**	**0**	**3.8b**	**16-37**	
								¶97iii1732
EIDC	**III**	**08 16 53 17.5**	**2.1N**	**126.0E**	**0**	**3.8b**	**16-37**	
								¶97iii1794
EIDC	**III**	**10 13 59 49.2**	**2.3N**	**126.7E**	**0**	**3.9b**	**23-37**	
								¶97iii2220
EIDC	**III**	**15 03 44 35.0**	**1.5N**	**126.8E**	**0**	**4.1b**	**23-81**	
								¶97iii2991
EIDC	**III**	**17 01 38 38.3**	**2.1N**	**126.6E**	**0**	**3.6b**	**23-37**	
								¶97iii3301
NEIC	**III**	**17 11 44 07.0**	**2.71N**	**126.84E**	**33**	**4.0b**	**24-58**	
EIDC	III	17 11 44 04.2	2.7N	126.9E	0	4.0b	**¶97iii3374**	
NEIC	Poor solution.							
EIDC	**III**	**17 17 18 28.4**	**1.9N**	**125.8E**	**0**	**3.7b**	**23-37**	
								¶97iii3407
EIDC	**III**	**17 17 39 28.5**	**2.7N**	**127.6E**	**0**	**3.7b**	**23-58**	
								¶97iii3413
ISC	**III**	**20 07 59 26.9**±.58	**2.01N**±.094	**126.8E**±.18	**33**	**4.3b**	**14 23-59**	
EIDC	III	20 07 59 24.2	1.9N	126.8E	0	4.2b	**¶97iii3868**	
NEIC	III	20 07 59 26.9	2.02N	126.82E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**24 22 21 58.9**±.88	**0.87N**±.027	**125.98E**±.038	**61**±8.6	**5.1b**	**185 5-164**	
BJI	III	24 22 21 55.0	0.88N	125.96E	33	5.2b,5.0s	**¶97iii4629**	
MOS	III	24 22 21 55.8	0.9N	125.9E	33	5.7b,4.9s		
NEIC	III	24 22 21 56.0	0.83N	125.88E	33	5.3b,5.1s		
EIDC	III	24 22 21 57.9	0.9N	126.1E	39	4.9b,4.9s		
HRVD	III	24 22 22 02.2±.2	1.21N±.02	126.15E±.03	43±1.7			
NEIC	Mw5.7(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c57; Half duration: 1^{s}6. Moment tensor: Scale 10^{17}Nm; M_{rr}3.62±.09; $M_{\theta\theta}$−0.55±.10; $M_{\phi\phi}$−3.07±.15; $M_{r\theta}$−0.75±.18; $M_{r\phi}$−0.71±.17; $M_{\theta\phi}$−1.85±.11. Principal Axes: T 3.78,Plg81°,Azm156°; N 0.39,Plg6°,Azm29°; P −4.17,Plg7°,Azm298°. Best double couple: $M_0$4.0×10^{17}Nm, NP1: ϕ_S22°,δ38°,λ81°. NP2:ϕ_S213°,δ52°,λ97°.							
ISC	**III**	**24 23 16 45.7**±.64	**0.7N**±.11	**125.8E**±.19	**33**	**4.2b**	**11 22-88**	
EIDC	III	24 23 16 42.7	0.8N	126.1E	0	4.1b	**¶97iii4638**	
NEIC	III	24 23 16 45.6	0.67N	125.79E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**25 01 23 00.0**±.44	**0.93N**±.082	**126.1E**±.15	**33**	**4.2b**	**25 22-94**	
BJI	III	25 01 22 59.4	0.81N	125.95E	33	4.7b	**¶97iii4654**	
MOS	III	25 01 22 59.5	1.0N	126.0E	33	4.7b		
NEIC	III	25 01 23 00.3	0.92N	126.13E	33	4.3b		
EIDC	III	25 01 23 02.6	0.9N	126.3E	34	4.0b		
NEIC	Less reliable solution.							
EIDC	**III**	**25 02 05 37.1**	**0.6N**	**125.7E**	**0**	**4.0b**	**22-60**	
								¶97iii4659
ISC	**III**	**25 12 21 15.6**±.58	**0.75N**±.080	**126.1E**±.17	**33**	**4.1b**	**17 22-137**	
EIDC	III	25 12 21 12.5	0.8N	126.2E	0	4.0b	**¶97iii4728**	
NEIC	III	25 12 21 15.9	0.75N	126.14E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**26 01 49 43**±3.5	**0.8N**±.16	**126.3E**±.44	**84**±36	**4.0b**	**12 2-81**	
EIDC	III	26 01 49 34.2	0.7N	126.1E	0	4.0b,3.3s	**¶97iii4824**	
NEIC	III	26 01 49 37.6	0.93N	126.76E	33	4.3b		
NEIC	Less reliable solution.							
NEIC	**III**	**30 09 12 19.5**	**2.07N**	**127.58E**	**33**	**4.3b**	**23-101**	
BJI	III	30 09 12 11.5	1.22N	128.37E	36	4.5b,4.8s	**¶97iii5732**	
EIDC	III	30 09 12 16.1	2.1N	127.7E	0	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**03 06 13 59**±1.7	**1.94N**±.041	**126.85E**±.088	**63**±17	**4.7b**	**65 6-159**	
BJI	IV	03 06 13 57.8	1.98N	126.88E	50	4.9b	**¶97iv0386**	
NEIC	IV	03 06 13 57.8	1.97N	126.82E	50	4.9b		
MOS	IV	03 06 13 58.4	1.9N	126.7E	50	5.3b		
EIDC	IV	03 06 14 00.5	1.9N	126.8E	61	4.5b,3.6s		
ISC	**IV**	**03 19 17 57.8**±.52	**2.12N**±.081	**126.5E**±.14	**33**	**4.3b**	**27 27-101**	
EIDC	IV	03 19 17 54.1	2.0N	126.4E	0	4.4b	**¶97iv0469**	
BJI	IV	03 19 17 57.5	2.32N	126.63E	26	4.7b		
NEIC	IV	03 19 17 57.7	2.14N	126.51E	33	4.7b		
MOS	IV	03 19 18 00.0	2.5N	126.4E	33	4.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**07 13 14 18.6**±.67	**0.34N**±.025	**125.33E**±.034	**74**±6.5	**5.1b**	**225 2-163**	
EIDC	IV	07 13 14 16.6	0.4N	125.4E	42	5.0b,4.6s	**¶97iv1166**	
MOS	IV	07 13 14 17.0	0.4N	125.3E	60	5.9b,4.9s		
BJI	IV	07 13 14 17.1	0.42N	125.22E	60	5.5b,4.9s		
NEIC	IV	07 13 14 17.4	0.34N	125.30E	60	5.5b		
HRVD	IV	07 13 14 22.3±.1	0.35N±.02	125.57E±.02	48±1.6			
NEIC	Mw5.8(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c84; Half duration: 1^{s}9. Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.06; $M_{\theta\theta}$−1.19±.08; $M_{\phi\phi}$−1.70±.11; $M_{r\theta}$1.86±.12; $M_{r\phi}$3.80±.14; $M_{\theta\phi}$−1.71±.08. Principal Axes: T 5.13,Plg62°,Azm287°; N 0.14, Plg8°,Azm31°; P −5.27,Plg27°,Azm125°. Best double couple: $M_0$5.2×10^{17}Nm, NP1:ϕ_S234°, δ19°,λ114°. NP2:ϕ_S29°,δ73°,λ82°.							
ISC	**IV**	**08 14 04 54**±1.1	**1.55N**±.033	**126.39E**±.057	**54**±11	**4.6b**,3.8s	**97 6-160**	
EIDC	IV	08 14 04 48.0	1.5N	126.4E	0	4.6b,3.6s	**¶97iv1342**	
BJI	IV	08 14 04 51.8	1.42N	126.18E	39	4.7b		
NEIC	IV	08 14 04 52.8	1.56N	126.33E	42	4.8b		
MOS	IV	08 14 04 53.0	1.6N	126.3E	43	5.1b		
ISC	**IV**	**10 03 33 36**±1.3	**2.5N**±.18	**126.7E**±.62	**33**	**3.7b**	**8 18-58**	
EIDC	IV	10 03 33 33.6	2.6N	127.2E	0	3.9b	**¶97iv1621**	
ISC	**IV**	**15 16 28 50.1**±.90	**0.7N**±.11	**125.3E**±.11	**63**±4.1*	**3.9b**	**10 7-73**	
EIDC	IV	15 16 28 53.7	1.0N	126.7E	65	3.6b	**¶97iv2625**	
ISC	**IV**	**17 15 10 36**±3.4	**2.1N**±.10	**127.7E**±.22	**73**±33	**3.9b**	**16 3-86**	
NEIC	IV	17 15 10 38.1	2.12N	127.53E	100		**¶97iv2924**	
BJI	IV	17 15 10 38.5	2.02N	127.45E	90	4.7b		
EIDC	IV	17 15 10 44.3	2.1N	127.7E	140	3.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**18 07 58 10**±1.2	**0.5N**±.12	**125.2E**±.17	**33**	**3.5b**	**5 1-36**	
EIDC	IV	18 07 58 02.0	1.2N	125.6E	0	3.6b	**¶97iv3041**	
NEIC	IV	18 07 58 10.1	0.54N	125.22E	33			
NEIC	Less reliable solution.							
EIDC	**IV**	**20 20 58 11.5**	**2.2N**	**126.8E**	**0**	**3.5b**	**23-37**	
								¶97iv3360
ISC	**IV**	**22 09 17 27.4**±.53	**1.77N**±.087	**126.4E**±.22	**33**	**4.2b**	**20 7-87**	
EIDC	IV	22 09 17 24.2	1.7N	126.3E	0	4.2b	**¶97iv3683**	
NEIC	IV	22 09 17 27.3	1.78N	126.44E	33	4.5b		
NEIC	Less reliable solution.							
EIDC	**IV**	**24 11 37 42.1**	**1.9N**	**126.0E**	**0**	**3.6b**	**23-37**	
								¶97iv4134
EIDC	**IV**	**26 22 39 43.3**	**1.3N**	**125.4E**	**339**	**2.8b**	**23-81**	
								¶97iv4614
EIDC	**IV**	**28 05 19 09.3**	**2.0N**	**126.0E**	**0**	**3.8b**,2.8s	**23-37**	
								¶97iv4853
EIDC	**IV**	**29 18 13 10.3**	**1.5N**	**125.7E**	**0**	**3.3b**,3.3s	**23-31**	
								¶97iv5107
ISC	**IV**	**29 21 48 38.2**±.67	**0.8N**±.11	**126.1E**±.38	**33**	**4.1b**	**15 22-124**	
EIDC	IV	29 21 48 36.2	0.8N	126.9E	0	4.0b	**¶97iv5128**	
NEIC	IV	29 21 48 38.3	0.80N	126.33E	33	4.3b		
NEIC	Poor solution.							
EIDC	**IV**	**30 07 43 09.9**	**2.4N**	**127.3E**	**0**	**3.5b**	**23-37**	
								¶97iv5178
EIDC	**IV**	**30 21 15 03.8**	**1.2N**	**126.3E**	**0**	**3.9b**	**22-59**	
								¶97iv5266
ISC	**V**	**03 05 34 53.1**±.94	**1.5N**±.35	**126.3E**±.91	**33**	**3.8b**	**8 23-72**	
EIDC	V	03 05 34 51.4	1.3N	126.4E	0	3.8b	**¶97v0386**	
ISC	**V**	**03 16 36 53**±2.0	**2.9N**±.11	**127.0E**±.26	**98**±20	**4.0b**	**15 4-93**	
NEIC	V	03 16 36 53.1	2.94N	126.98E	100	4.5b	**¶97v0460**	
EIDC	V	03 16 36 54.8	2.9N	126.9E	99	3.7b		
NEIC	Less reliable solution.							
ISC	**V**	**04 05 49 02**±1.1	**2.0N**±.22	**127.1E**±.41	**33**	**4.0b**	**6 23-59**	
EIDC	V	04 05 48 59.2	2.1N	127.4E	0	4.0b	**¶97v0572**	
NEIC	V	04 05 49 02.4	2.04N	127.10E	33			
NEIC	Poor solution.							
EIDC	**V**	**11 04 22 14.2**	**1.4N**	**125.9E**	**0**	**4.0b**	**23-92**	
								¶97v1721
ISC	**V**	**11 11 07 00**±1.3	**1.3N**±.19	**126.9E**±.20	**33**	**4.4b**	**12 22-81**	
EIDC	V	11 11 06 57.9	1.2N	126.9E	0	4.4b	**¶97v1772**	
NEIC	V	11 11 07 00.3	1.26N	126.94E	33	4.8b		
NEIC	Poor solution.							
EIDC	**V**	**12 06 37 32.7**	**0.1N**	**126.6E**	**0**	**3.9b**	**21-74**	
								¶97v1910
ISC	**V**	**15 07 28 40.8**±.96	**2.0N**±.13	**125.7E**±.51	**33**	**3.8b**	**8 20-87**	
NEIC	V	15 07 28 40.7	2.00N	125.68E	33	4.0b	**¶97v2576**	
EIDC	V	15 07 28 46.3	1.9N	126.2E	62	3.6b		
NEIC	Poor solution.							
EIDC	**V**	**16 02 19 26.4**	**0.6N**	**125.7E**	**0**	**3.9b**	**22-36**	
								¶97v2712
ISC	**V**	**18 19 29 54**±1.0	**1.8N**±.12	**125.4E**±.47	**33**	**4.1b**	**12 23-92**	
NEIC	V	18 19 29 53.6	1.77N	125.28E	33	4.3b	**¶97v3137**	
EIDC	V	18 19 30 01.6	1.8N	126.3E	80	3.9b		
NEIC	Poor solution.							
ISC	**V**	**19 08 49 39**±1.1	**2.59N**±.033	**126.80E**±.065	**63**±10	**4.9b**	**107 5-160**	
EIDC	V	19 08 49 32.5	2.6N	126.8E	0	4.8b,3.7s	**¶97v3230**	
BJI	V	19 08 49 34.1	2.25N	126.67E	38	5.1b,4.8s		
MOS	V	19 08 49 36.0	2.7N	126.9E	33	5.6b		
NEIC	V	19 08 49 36.1	2.60N	126.79E	33	5.0b,4.1s		
EIDC	**V**	**21 22 40 17.7**	**2.3N**	**126.8E**	**0**	**3.6b**	**23-37**	
								¶97v3619
EIDC	**V**	**23 03 04 47.5**	**1.6N**	**126.5E**	**0**	**3.9b**	**23-36**	
								¶97v3875
EIDC	**V**	**23 20 44 36.2**	**0.8N**	**126.8E**	**0**	**4.0b**	**22-60**	
								¶97v4004
ISC	**V**	**24 22 54 45**±8.8	**1.1N**±.10	**126.2E**±.17	**16**±64	**4.3b**	**23 19-124**	
EIDC	V	24 22 54 43.7	1.0N	126.1E	0	4.2b	**¶97v4181**	
NEIC	V	24 22 54 47.0	1.06N	126.16E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**25 18 29 28**±4.5	**0.2N**±.55	**125.8E**±.49	**33**	**4.0b**	**8 22-80**	
EIDC	V	25 18 29 25.6	0.2N	125.8E	0	4.1b	**¶97v4307**	
NEIC	V	25 18 29 28.3	0.19N	125.80E	33	4.0b		
NEIC	Poor solution.							
ISC	**V**	**26 17 27 09.3**±.78	**0.4N**±.14	**125.8E**±.45	**33**	**4.3b**	**11 22-63**	
EIDC	V	26 17 27 07.2	0.6N	126.7E	0	4.1b	**¶97v4445**	
NEIC	V	26 17 27 09.4	0.38N	125.84E	33	4.5b		
NEIC	Poor solution.							
EIDC	**VI**	**03 18 51 33.5**	**0.4N**	**126.9E**	**0**	**3.9b**	**22-37**	
								¶97vi0505
ISC	**VI**	**08 10 19 00**±1.4	**2.2N**±.15	**126.3E**±.71	**100**	**3.7b**	**6 23-82**	
EIDC	VI	08 10 19 05.0	2.1N	126.6E	124	3.4b	**¶97vi1218**	

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**09 18 14 33.9**±.90	**0.2N**±.17	**125.3E**±.25	**33**	**3.9b**	**7**	**22-80**
EIDC	VI	09 18 14 30.8	0.2N	125.3E	0	4.0b		¶97vi1430
ISC	**VI**	**12 04 03 10**±8.6	**1.5N**±.15	**126.7E**±.23	**32**±61	**3.9b**	**14**	**2-123**
NEIC	VI	12 04 03 17.8	1.52N	127.12E	100	3.8b		¶97vi1796
EIDC	VI	12 04 03 21.7	1.4N	127.3E	123	3.6b		
NEIC	Poor solution.							
ISC	**VI**	**14 21 18 49.9**±.80	**2.3N**±.14	**127.1E**±.31	**33**	**4.0b**	**7**	**23-58**
EIDC	VI	14 21 18 47.0	2.3N	127.2E	0	4.0b		¶97vi2177
NEIC	VI	14 21 18 49.9	2.33N	127.14E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**19 05 50 37.6**±.98	**2.7N**±.18	**126.1E**±.52	**100**	**3.6b**	**7**	**24-123**
EIDC	VI	19 05 50 26.4	2.8N	126.0E	0	3.9b		¶97vi2872
NEIC	VI	19 05 50 37.7	2.70N	126.11E	100	4.2b		
NEIC	Poor solution.							
EIDC	**VI**	**23 13 08 22.6**	**1.8N**	**125.2E**	**0**	**4.2b**		**20-37**
								¶97vi3533
EIDC	**VI**	**24 11 20 39.3**	**2.7N**	**127.4E**	**0**	**3.8b**		**24-37**
								¶97vi3700
ISC	**VI**	**24 23 58 39.3**±.60	**1.0N**±.10	**127.0E**±.21	**33**	**4.1b**	**17**	**2-87**
NEIC	VI	24 23 58 39.3	1.00N	126.95E	33	4.3b		¶97vi3801
EIDC	VI	24 23 59 00.4	0.7N	127.6E	207	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**25 01 55 28**±2.0	**2.17N**±.063	**126.1E**±.22	**77**±20	**4.3b**	**25**	**6-123**
EIDC	VI	25 01 55 20.2	2.0N	125.7E	0	4.4b		¶97vi3829
MOS	VI	25 01 55 22.6	2.1N	125.4E	33	4.5b		
NEIC	VI	25 01 55 23.4	2.22N	125.99E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**30 14 00 18**±1.1	**0.0N**±.14	**126.2E**±.54	**33**	**4.0b**	**10**	**21-74**
EIDC	VI	30 14 00 15.3	0.1N	126.5E	0	4.0b		¶97vi4769
NEIC	VI	30 14 00 17.7	0.03N	126.19E	33	4.2b		
NEIC	Poor solution.							
ISC	**VI**	**30 18 34 10**±1.1	**0.0N**±.14	**126.3E**±.54	**33**	**4.2b**	**10**	**21-74**
EIDC	VI	30 18 34 06.6	0.0N	126.2E	0	4.1b		¶97vi4804
NEIC	VI	30 18 34 09.7	0.03N	126.26E	33	4.5b		
NEIC	Poor solution.							
ISC	**VI**	**30 18 40 03.3**±.76	**0.1N**±.12	**126.4E**±.36	**33**	**3.9b**	**11**	**21-85**
EIDC	VI	30 18 40 00.3	0.0N	126.4E	0	3.9b		¶97vi4805
NEIC	VI	30 18 40 03.3	0.06N	126.40E	33	4.2b		
NEIC	Poor solution.							
EIDC	**VI**	**30 23 31 39.6**	**1.6N**	**125.8E**	**0**	**3.8b**		**23-36**
								¶97vi4842

(267) Djailolo Gilolo (Halmahera).

ISC	**I**	**01 00 11 18**±1.4	**1.2N**±.22	**127.2E**±.23	**33**	**3.8b**	**7**	**2-50**
EIDC	I	01 00 11 20.6	0.3N	126.2E	0	3.5b		¶97i0001
ISC	**I**	**02 15 44 50**±1.3	**0.7N**±.20	**127.5E**±.85	**33**	**3.7b**	**7**	**22-88**
EIDC	I	02 15 44 46.6	0.7N	127.6E	0	3.8b		¶97i0234
NEIC	I	02 15 44 49.9	0.68N	127.60E	33	3.6b		
NEIC	Poor solution.							
ISC	**I**	**02 16 35 19**±4.0	**2.28N**±.080	**128.5E**±.12	**34**±39	**4.3b,3.7s**	**39**	**15-92**
BJI	I	02 16 35 18.9	2.30N	128.50E	33	4.7b		¶97i0247
NEIC	I	02 16 35 18.9	2.29N	128.47E	33	4.6b		
EIDC	I	02 16 35 25.1	2.2N	128.7E	75	3.9b,3.5s		
ISC	**I**	**05 10 45 07**±1.5	**2.3N**±.11	**128.8E**±.18	**231**±16	**3.7b**	**15**	**2-72**
NEIC	I	05 10 45 04.7	2.42N	129.11E	200	4.1b		¶97i0657
EIDC	I	05 10 45 10.8	2.2N	128.9E	252	3.3b		
NEIC	Less reliable solution.							
EIDC	**I**	**08 08 08 37.3**	**1.7N**	**129.1E**	**0**	**3.5b**		**22-35**
								¶97i1040
EIDC	**I**	**09 19 47 39.3**	**2.7N**	**128.1E**	**0**	**3.1b**		**23-33**
								¶97i1268
EIDC	**I**	**12 13 12 33.2**	**1.7S**	**127.6E**	**0**	3.4b,3.7L		**19-33**
								¶97i1683
ISC	**I**	**17 06 19 06**±2.1	**0.1N**±.41	**127.0E**±.40	**33**	**3.7b**	**8**	**3-35**
EIDC	I	17 06 19 14.9	0.9S	128.0E	0	3.9b,3.8L		¶97i2409
EIDC	**I**	**20 06 46 16.4**	**0.5S**	**129.8E**	**0**	4.2b,4.4L		**20-61**
								¶97i2952
ISC	**I**	**23 07 37 44**±2.7	**2.4N**±.15	**128.7E**±.20	**222**±24	**4.3b**	**23**	**4-100**
EIDC	I	23 07 37 21.0	2.8N	129.2E	0	4.4b		¶97i3460
NEIC	I	23 07 37 44.2	2.38N	128.73E	221	4.6b		
NEIC	Poor solution.							
EIDC	**I**	**25 02 18 42.9**	**1.8S**	**127.8E**	**0**	3.6b,3.6L		**19-35**
								¶97i3722
ISC	**I**	**25 11 13 46.2**±.50	**1.11S**±.083	**127.0E**±.11	**33**	**4.3b**	**25**	**9-75**
EIDC	I	25 11 13 41.9	1.3S	126.4E	0	4.1b		¶97i3797
NEIC	I	25 11 13 46.1	1.13S	126.88E	33	4.4b		
NEIC	Less reliable solution.							
EIDC	**I**	**26 04 49 09.6**	**1.8N**	**127.2E**	**0**	**3.7b**		**23-36**
								¶97i3888
ISC	**I**	**30 15 11 59**±1.1	**1.7N**±.20	**128.6E**±.37	**100**	**3.8b**	**8**	**22-59**
EIDC	I	30 15 11 48.6	1.9N	128.7E	0	3.9b		¶97i4502
NEIC	I	30 15 11 59.0	1.72N	128.55E	100	3.8b		
NEIC	Poor solution.							
ISC	**II**	**01 18 53 50**±1.1	**2.8N**±.20	**129.1E**±.39	**33**	**3.7b**	**7**	**23-62**
EIDC	II	01 18 53 46.5	2.8N	129.1E	0	3.7b		¶97ii0109
NEIC	II	01 18 53 49.9	2.79N	129.04E	33	3.9b		
NEIC	Poor solution.							
EIDC	**II**	**04 15 57 33.5**	**2.1N**	**128.7E**	**0**	**3.3b**		**23-33**
								¶97ii0558
EIDC	**II**	**06 01 09 28.9**	**1.2N**	**127.5E**	**0**	**3.9b**		**15-87**
								¶97ii0777
ISC	**II**	**06 20 37 43.7**±.47	**2.21N**±.079	**129.3E**±.16	**33**	**4.1b**	**21**	**21-100**
BJI	II	06 20 37 43.3	1.90N	129.45E	49	4.7b		¶97ii0902
NEIC	II	06 20 37 43.7	2.23N	129.35E	33	4.4b		
EIDC	II	06 20 37 44.9	2.2N	129.5E	34	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**14 07 59 48**±1.5	**2.17N**±.061	**129.4E**±.12	**62**±15	**4.5b**	**36**	**4-100**
MOS	II	14 07 59 44.3	2.4N	129.5E	33	4.9b		¶97ii2042
BJI	II	14 07 59 45.4	2.10N	129.40E	33	4.6b		
NEIC	II	14 07 59 45.4	2.19N	129.45E	33	4.7b		
EIDC	II	14 07 59 49.4	2.1N	129.5E	54	4.2b,3.6s		
NEIC	Less reliable solution.							
ISC	**II**	**17 14 42 12**±11	**1.3N**±.12	**128.6E**±.40	**54**±95	**4.0b**	**12**	**25-95**
NEIC	II	17 14 42 09.9	1.32N	128.57E	33	4.3b		¶97ii2505
EIDC	II	17 14 42 10.5	1.2N	128.5E	25	3.9b		
NEIC	Poor solution.							
ISC	**II**	**20 15 14 12**±1.1	**2.72N**±.094	**128.4E**±.19	**222**±13	**4.0b**	**17**	**5-132**
EIDC	II	20 15 14 11.6	2.7N	128.6E	194	3.9b		¶97ii2947
NEIC	II	20 15 14 12.3	2.72N	128.42E	219	4.4b		
NEIC	Less reliable solution.							
EIDC	**II**	**26 16 25 50.4**	**3.0N**	**128.5E**	**0**	**3.8b**		**23-37**
								¶97ii3818
ISC	**II**	**27 09 50 00.0**±.94	**2.0N**±.18	**128.7E**±.61	**100**	**3.5b**	**6**	**22-86**
EIDC	II	27 09 49 50.4	2.2N	129.4E	0	3.6b		¶97ii3940
NEIC	II	27 09 50 00.0	1.96N	128.80E	100			
NEIC	Poor solution.							
ISC	**II**	**28 09 35 17.2**±.52	**1.90N**±.085	**128.4E**±.22	**100**	**4.2b**	**16**	**22-94**
NEIC	II	28 09 35 17.1	1.90N	128.36E	100	4.3b		¶97ii4200
EIDC	II	28 09 35 20.3	1.9N	128.4E	115	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**03 14 33 25**±1.8	**2.42N**±.080	**128.7E**±.19	**194**±19	**4.1b**	**24**	**6-138**
BJI	III	03 14 33 24.1	2.50N	128.82E	193	4.3b		¶97iii0610
NEIC	III	03 14 33 25.3	2.40N	128.83E	200	4.7b		
EIDC	III	03 14 33 29.3	2.4N	128.8E	227	3.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**04 18 47 05.8**	**2.5N**	**128.5E**	**0**	**3.7b**		**23-33**
								¶97iii0903
ISC	**III**	**06 02 34 16**±5.8	**1.91N**±.037	**127.85E**±.081	**10**±35	**5.0b,4.9s**	**147**	**6-159**
EIDC	III	06 02 34 15.2	1.9N	128.0E	0	4.9b,4.7s		¶97iii1173
MOS	III	06 02 34 18.9	2.0N	127.8E	33	5.4b		
NEIC	III	06 02 34 19.1	1.89N	127.71E	33	5.2b,5.1s		
BJI	III	06 02 34 20.2	1.97N	128.46E	49	5.2b,4.8s		
HRVD	III	06 02 34 26.4±.1	2.76N±.01	127.01E±.01	54±1.1			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s13,c15; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.08±.14; $M_{\theta\theta}$−1.16±.14; $M_{\phi\phi}$1.08±.24; $M_{r\theta}$0.39±.22; $M_{r\phi}$−1.09±.22; $M_{\theta\phi}$−0.10±.16. Principal Axes: T 1.81,Plg33°,Azm83°; N −0.51, Plg49°,Azm304°; P −1.30,Plg21°,Azm188°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S229°,δ50°,λ10°. NP2:ϕ_S133°,δ83°,λ140°.

ISC	**III**	**06 02 43 09.9**±.57	**2.08N**±.091	**128.0E**±.24	**33**	**4.1b**	**13**	**23-92**
EIDC	III	06 02 43 06.6	2.0N	128.0E	0	4.1b		¶97iii1175
NEIC	III	06 02 43 09.9	2.08N	127.98E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**07 00 41 23**±2.4	**2.9N**±.12	**128.6E**±.27	**83**±23	**4.4b**	**17**	**5-62**
EIDC	III	07 00 41 23.4	3.0N	128.8E	71	4.0b		¶97iii1386
NEIC	III	07 00 41 25.2	2.88N	128.34E	100	4.6b		
BJI	III	07 00 41 26.8	3.37N	128.77E	96	4.4b		
NEIC	Poor solution.							
ISC	**III**	**09 21 56 00.4**±.24	**0.63S**±.031	**127.47E**±.046	**33**	**5.0b,4.5s**	**104**	**8-163**
EIDC	III	09 21 55 59.7	0.6S	127.6E	15	4.7b,4.4s		¶97iii2096
BJI	III	09 21 56 00.0	0.54S	127.71E	32	5.3b		
MOS	III	09 21 56 00.3	0.6S	127.4E	33	5.4b		
NEIC	III	09 21 56 00.7	0.66S	127.42E	33	5.1b		
EIDC	**III**	**10 12 17 30.2**	**0.3S**	**128.4E**	**0**	**3.6b**		**13-88**
								¶97iii2207
ISC	**III**	**19 18 15 11**±2.0	**2.58N**±.066	**128.2E**±.15	**147**±20	**4.2b**	**27**	**5-92**
BJI	III	19 18 15 05.1	2.93N	128.83E	90	5.0b		¶97iii3747
NEIC	III	19 18 15 06.4	2.64N	127.93E	100	4.7b		
MOS	III	19 18 15 06.8	2.6N	127.7E	104	4.7b		
EIDC	III	19 18 15 09.3	2.5N	128.3E	106	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**21 05 43 45**±2.2	**2.22N**±.094	**128.2E**±.22	**168**±22	**4.1b**	**20**	**4-121**
NEIC	III	21 05 43 43.7	2.23N	128.08E	150	4.6b		¶97iii4004
EIDC	III	21 05 43 47.4	2.1N	128.1E	171	3.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**23 10 05 14.5**	**1.0N**	**128.5E**	**0**	**3.5b**		**22-87**
								¶97iii4426
ISC	**III**	**25 04 33 34**±4.9	**2.75N**±.075	**128.7E**±.16	**106**±47	**4.4b**	**32**	**21-121**
BJI	III	25 04 33 27.0	2.87N	128.89E	42	4.8b		¶97iii4672
NEIC	III	25 04 33 33.3	2.75N	128.70E	100	4.6b		
MOS	III	25 04 33 36.3	2.7N	128.5E	132	4.6b		
EIDC	III	25 04 33 37.5	2.7N	128.7E	127	3.9b,3.3s		
NEIC	Less reliable solution.							
ISC	**III**	**26 18 18 35.3**±.69	**2.78N**±.024	**128.21E**±.029	**134**±6.8	**5.7b**	**345**	**5-167**
BJI	III	26 18 18 34.4	2.77N	128.34E	132	6.2b		¶97iii5051
NEIC	III	26 18 18 34.7	2.80N	128.24E	127	5.7b		
MOS	III	26 18 18 35.6	2.8N	128.2E	135	6.1b		
EIDC	III	26 18 18 36.3	2.8N	128.3E	127	5.2b,4.6s		
HRVD	III	26 18 18 39.4±.2	2.94N±.02	128.25E±.02	131±.9			
NEIC	Mw5.8(GS), Mw5.8(HRV). Felt.							
NEIC	Felt at Tomohon and Tondano, Sulawesi.							

NEIC Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}3.39; $M_{\theta\theta}$2.49; $M_{\phi\phi}$−5.88; $M_{r\theta}$2.36; $M_{r\phi}$2.65; $M_{\theta\phi}$0.48. Depth 113km; Principal axes: T 5.83,Plg52°,Azm341°; N 0.76,Plg34°,Azm192°; P −6.59,Plg15°,Azm91°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S143°,δ42°,λ34°. NP2: ϕ_S27°,δ68°,λ127°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c72; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}3.15±.08; $M_{\theta\theta}$1.92±.12; $M_{\phi\phi}$−5.07±.13; $M_{r\theta}$2.20±.08; $M_{r\phi}$2.63±.08; $M_{\theta\phi}$2.81±.12. Principal Axes: T 6.12,Plg47°,Azm332°; N 0.30, Plg41°,Azm174°; P −6.42,Plg11°,Azm74°. Best double couple: $M_0$6.3×10^{17}Nm, NP1: ϕ_S126°,δ49°,λ30°. NP2:ϕ_S15°,δ68°,λ135°.

ISC	**III**	**27 12 07 48**±1.8	**0.7N**±.20	**128.9E**±.27	**33**	**3.3b**	**5**	**3-87**
NEIC	III	27 12 07 47.2	0.67N	128.86E	33			¶97iii5219
EIDC	III	27 12 07 47.2	0.8N	130.0E	0	3.3b		
NEIC	Poor solution.							
ISC	**III**	**27 13 33 19.7**±.77	**2.6N**±.11	**128.7E**±.27	**150**	**3.8b**	**8**	**23-82**
NEIC	III	27 13 33 08.1	2.62N	128.73E	33	4.0b		¶97iii5234
EIDC	III	27 13 33 21.4	2.6N	128.8E	148	3.5b		
NEIC	Less reliable solution.							
ISC	**III**	**27 15 03 30**±2.8	**3.0N**±.11	**128.4E**±.25	**73**±27	**3.9b**	**13**	**5-92**
NEIC	III	27 15 03 27.6	2.97N	128.31E	50	4.3b		¶97iii5250
EIDC	III	27 15 03 30.9	2.9N	128.6E	61	3.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**28 09 44 32.0**	**1.1N**	**128.6E**	**0**	**3.1b**		**22-87**
								¶97iii5411
ISC	**III**	**28 15 27 44**±3.1	**2.1N**±.10	**128.4E**±.22	**100**±31	**4.0b**	**19**	**4-155**
NEIC	III	28 15 27 49.1	2.01N	128.06E	150	4.0b		¶97iii5452
EIDC	III	28 15 27 50.3	2.1N	128.7E	144	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**30 06 11 55**±1.3	**2.6N**±.17	**128.5E**±.16	**33**	**3.8b**	**7**	**4-92**
EIDC	III	30 06 11 51.4	2.6N	128.6E	0	3.9b		¶97iii5708
NEIC	III	30 06 11 54.9	2.56N	128.53E	33	3.6b		
NEIC	Poor solution.							
EIDC	**III**	**31 03 51 22.0**	**2.4N**	**129.0E**	**0**	**3.8b**		**23-36**
								¶97iii5839
EIDC	**IV**	**01 10 40 56.6**	**1.2N**	**127.9E**	**0**	**3.3b**		**22-33**
								¶97iv0053
ISC	**IV**	**05 06 30 18**±1.4	**1.5N**±.14	**127.9E**±.34	**33**	**3.9b**	**7**	**22-36**
EIDC	IV	05 06 30 15.0	1.4N	127.8E	0	3.9b		¶97iv0712

ISC	**IV**	**06 11 32 05.6**±.88	**1.7N**±.11	**128.4E**±.15	**33**	**3.9b**	**8**	**4-59**
EIDC	IV	06 11 32 03.4	1.8N	128.9E	0	3.9b		**¶97iv0986**
NEIC	IV	06 11 32 05.4	1.70N	128.40E	33	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**06 13 52 22.2**±.79	**2.7N**±.11	**128.8E**±.27	**33**	**3.7b**	**8**	**23-37**
EIDC	IV	06 13 52 19.4	2.7N	128.9E	0	3.7b		**¶97iv1001**
NEIC	IV	06 13 52 22.0	2.72N	128.78E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**11 04 24 30.9**±.64	**1.81N**±.027	**127.23E**±.041	**129**±6.7	**5.0b**	**118**	**2-165**
MOS	IV	11 04 24 29.7	1.8N	127.2E	120	5.1b		**¶97iv1803**
EIDC	IV	11 04 24 30.1	1.8N	127.3E	110	4.7b		
BJI	IV	11 04 24 30.3	1.77N	127.21E	126	5.2b		
NEIC	IV	11 04 24 30.5	1.78N	127.17E	126	5.1b		
EIDC	**IV**	**14 17 50 05.9**	**0.1N**	**127.1E**	**0**	**3.4b**		**21-35**
								¶97iv2490
ISC	**IV**	**17 20 46 09**±1.3	**2.4N**±.21	**129.3E**±.42	**0**	**3.5b**	**6**	**5-58**
EIDC	IV	17 20 46 11.1	2.4N	129.3E	0	3.5b,2.6s		**¶97iv2971**
EIDC	**IV**	**20 12 49 55.2**	**1.3N**	**128.2E**	**0**	**3.4b**		**22-35**
								¶97iv3312
EIDC	**IV**	**23 01 14 41.7**	**2.9N**	**128.6E**	**0**	**4.1b**		**21-37**
								¶97iv3863
EIDC	**IV**	**23 14 52 21.0**	**0.3S**	**129.5E**	**0**	**3.3b**		**20-88**
								¶97iv3979
EIDC	**IV**	**24 09 43 02.5**	**2.4N**	**129.3E**	**0**	**3.6b**		**23-82**
								¶97iv4117
EIDC	**IV**	**27 04 41 52.6**	**1.5S**	**128.5E**	**0**	**4.1b**,4.1L		**19-43**
								¶97iv4662
EIDC	**IV**	**28 12 23 29.7**	**0.6N**	**129.8E**	**0**	**3.8b**		**21-87**
								¶97iv4917
ISC	**IV**	**29 20 20 22.8**±.94	**2.6N**±.15	**128.8E**±.33	**33**	**3.8b**	**6**	**23-58**
EIDC	IV	29 20 20 19.9	2.7N	128.9E	0	3.8b		**¶97iv5116**
EIDC	**IV**	**30 13 34 28.1**	**0.0S**	**128.2E**	**0**	**3.6b**		**21-123**
								¶97iv5223
EIDC	**V**	**01 22 31 00.4**	**2.0S**	**127.7E**	**0**	3.6b,3.7L		**12-32**
								¶97v0168
ISC	**V**	**11 15 40 14.4**±.66	**1.8N**±.11	**127.4E**±.25	**200**	**4.1b**	**10**	**23-72**
NEIC	V	11 15 40 05.0	1.90N	127.43E	100	4.6b		**¶97v1806**
EIDC	V	11 15 40 08.7	1.8N	127.5E	123	3.9b		
NEIC	Less reliable solution.							
ISC	**V**	**12 12 53 41**±1.8	**1.5S**±.21	**128.6E**±.94	**33**	**4.1b**	**7**	**19-39**
EIDC	V	12 12 53 39.1	1.3S	129.9E	0	4.2b,4.2L		**¶97v1962**
EIDC	**V**	**14 16 38 35.0**	**0.6S**	**129.5E**	**0**	3.6b,3.2L		**20-33**
								¶97v2486
EIDC	**V**	**24 20 00 00.9**	**2.7N**	**128.4E**	**0**	**3.6b**		**23-58**
								¶97v4165
EIDC	**V**	**25 08 20 53.8**	**2.6N**	**128.1E**	**0**	**3.6b**		**23-37**
								¶97v4243
ISC	**V**	**28 08 36 00**±1.7	**1.67N**±.066	**127.2E**±.25	**121**±17	**4.5b**	**19**	**6-155**
NEIC	V	28 08 36 02.1	1.71N	127.33E	135	4.2b		**¶97v4683**
EIDC	V	28 08 36 02.6	1.7N	127.3E	122	4.3b		
BJI	V	28 08 36 07.2	2.17N	126.63E	135	4.6b		
NEIC	Less reliable solution.							
EIDC	**V**	**30 06 29 20.6**	**1.5S**	**128.9E**	**0**	3.5b,3.6L		**19-33**
								¶97v4989
EIDC	**VI**	**05 03 54 53.8**	**2.6N**	**128.2E**	**0**	**3.8b**		**23-37**
								¶97vi0708
ISC	**VI**	**06 04 23 15**±4.2	**0.4S**±.19	**129.7E**±.41	**67**±47	**4.4b**	**6**	**2-61**
EIDC	VI	06 04 23 08.3	0.4S	129.6E	0	4.4b,3.8L		**¶97vi0884**
EIDC	**VI**	**09 05 40 59.1**	**2.9N**	**128.3E**	**0**	**3.5b**		**23-37**
								¶97vi1339
EIDC	**VI**	**11 16 13 50.2**	**2.0N**	**128.9E**	**0**	**3.4b**		**22-36**
								¶97vi1718
EIDC	**VI**	**14 05 54 28.0**	**2.9N**	**129.1E**	**0**	**3.4b**		**23-33**
								¶97vi2092
ISC	**VI**	**21 06 57 30.3**±.92	**1.78N**±.030	**127.34E**±.064	**108**±9.1	**4.9b**	**99**	**6-159**
BJI	VI	21 06 57 29.2	1.80N	127.42E	97	5.1b		**¶97vi3172**
NEIC	VI	21 06 57 29.4	1.79N	127.28E	100	4.9b		
EIDC	VI	21 06 57 31.0	1.8N	127.4E	102	4.5b		
HRVD	VI	21 06 57 32.9±1.0	2.02N±.13	127.29E±.14	123±9.9			
MOS	VI	21 06 57 35.6	1.8N	127.4E	163	4.9b		
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c16; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.63±.68; $M_{\theta\theta}$0.74±.85; $M_{\phi\phi}$0.89±1.26; $M_{r\theta}$−3.46±.59; $M_{r\phi}$−3.85±1.15; $M_{\theta\phi}$−2.73±1.03. Principal Axes: T 3.73,Plg25°,Azm72°; N 3.21,Plg35°,Azm182°; P −6.94,Plg45°,Azm314°. Best double couple: $M_0$5.3×10^{16}Nm, NP1: ϕ_S114°,δ37°,λ−161°. NP2:ϕ_S9°,δ79°,λ−55°.							
ISC	**VI**	**23 05 28 01**±1.1	**1.8N**±.19	**127.6E**±.33	**33**	**3.7b**	**7**	**23-101**
EIDC	VI	23 05 27 43.1	3.9N	130.7E	0	3.8b		**¶97vi3486**
NEIC	VI	23 05 27 46.0	3.99N	130.77E	33	3.8b		
NEIC	Poor solution.							
ISC	**VI**	**24 23 04 53.7**±.65	**1.89S**±.023	**127.93E**±.027	**42**±6.1	**5.8b,6.0s**	**476**	**3-167**
BJI	VI	24 23 04 51.8	1.94S	128.10E	33	5.9b,6.1s		**¶97vi3795**
NEIC	VI	24 23 04 53.1	1.92S	127.90E	33	5.9b,6.1s		
MOS	VI	24 23 04 53.5	1.8S	127.9E	33	6.4b,5.8s		
EIDC	VI	24 23 04 53.7	1.9S	128.0E	27	5.6b,5.8s		
HRVD	VI	24 23 04 58.0±.1	1.83S±.01	127.94E±.01	20±.5			
NEIC	Mw6.4(HRV), Me6.4(GS).							
NEIC	Mw 6.2 (GS). Ms 6.1 (BRK).							
NEIC	Radiated energy from the P−wave first−motion solution: 1.0±0.2×10^{14}Nm/17							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S250°,δ55°,λ60°. NP2:ϕ_S115°,δ45°,λ126°. Principal axes: T Plg65°,Azm103°; P Plg6°,Azm1°. Two events about 3.0 seconds apart. Depth from broadband displacement seismograms based on first event.							
NEIC	Moment tensor solution: s28, scale 10^{18}Nm; M_{rr}1.69; $M_{\theta\theta}$−1.63; $M_{\phi\phi}$−0.06; $M_{r\theta}$−0.40; $M_{r\phi}$−0.83; $M_{\theta\phi}$1.06. Depth 15km; Principal axes: T 2.19,Plg62°,Azm116°; N −0.02,Plg28°, Azm297°; P −2.17,Plg0°,Azm207°. Best double couple: $M_0$2.2×10^{18}Nm; NP1:ϕ_S271°,δ51°, λ53°. NP2:ϕ_S142°,δ52°,λ127°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s66,c144; Mantle waves: s50,c95; Half duration: 3s8. Moment tensor: Scale 10^{18}Nm; M_{rr}2.90±.03; $M_{\theta\theta}$−2.10±.02; $M_{\phi\phi}$−0.80±.03; $M_{r\theta}$1.13±.08; $M_{r\phi}$−1.89±.09; $M_{\theta\phi}$2.47±.02. Principal Axes: T 3.70,Plg68°,Azm87°; N 0.88,Plg16°,Azm314°; P −4.58,Plg16°,Azm220°. Best double couple: $M_0$4.1×10^{18}Nm, NP1:ϕ_S288°,δ32°,λ60°. NP2:ϕ_S143°,δ62°,λ108°.							
ISC	**VI**	**25 04 22 17.2**±.36	**1.91S**±.051	**128.2E**±.13	**33**	**4.4b**	**35**	**16-151**
BJI	VI	25 04 22 16.5	1.96S	128.20E	32	4.6b,4.8s		**¶97vi3847**
NEIC	VI	25 04 22 17.4	1.90S	128.22E	33	4.9b		
MOS	VI	25 04 22 17.5	1.9S	128.3E	33	5.1b		
EIDC	VI	25 04 22 20.1	1.9S	128.7E	36	4.2b,4.6L		
ISC	**VI**	**25 16 28 48**±2.0	**1.95S**±.062	**128.1E**±.15	**36**±20	**4.3b**	**32**	**2-151**
BJI	VI	25 16 28 47.6	1.97S	127.98E	32	4.6b		**¶97vi3982**
NEIC	VI	25 16 28 47.7	1.95S	128.09E	33	4.4b		
MOS	VI	25 16 28 48.2	2.0S	128.0E	33	5.0b		
EIDC	VI	25 16 28 50.4	2.0S	128.1E	41	4.1b,4.4L		
NEIC	Less reliable solution.							
EIDC	**VI**	**25 17 51 41.1**	**1.6S**	**127.6E**	**0**	3.9b,3.8L		**19-35**
								¶97vi3999
EIDC	**VI**	**26 08 22 37.1**	**2.0S**	**128.3E**	**0**	3.6b,3.6L		**19-78**
								¶97vi4103
ISC	**VI**	**26 09 15 57**±1.4	**1.98S**±.048	**128.04E**±.065	**68**±15	**4.4b**	**42**	**8-151**
EIDC	VI	26 09 15 51.2	2.0S	128.1E	0	4.4b,3.7s		**¶97vi4110**
BJI	VI	26 09 15 53.4	1.85S	128.66E	34	4.7b		
MOS	VI	26 09 15 53.5	1.9S	128.1E	33	4.8b		
NEIC	VI	26 09 15 53.9	1.97S	128.08E	33	4.5b		
EIDC	**VI**	**27 05 21 48.4**	**1.3N**	**128.4E**	**0**	**3.7b**		**22-35**
								¶97vi4247
EIDC	**VI**	**28 02 15 18.2**	**1.4N**	**127.9E**	**0**	**4.1b**		**22-36**
								¶97vi4400
ISC	**VI**	**29 12 52 36**±1.3	**2.6N**±.12	**128.1E**±.74	**33**	**3.7b**	**8**	**23-85**
EIDC	VI	29 12 52 33.5	2.7N	128.7E	0	3.8b		**¶97vi4628**
EIDC	**VI**	**30 17 22 27.4**	**1.6S**	**127.7E**	**0**	3.5b,3.7L		**19-33**
								¶97vi4797
ISC	**VI**	**30 18 13 26**±1.2	**1.8S**±.22	**128.3E**±.46	**33**	**3.7b**	**6**	**19-62**
EIDC	VI	30 18 13 24.0	1.8S	128.2E	0	3.6b,3.9L		**¶97vi4803**
NEIC	VI	30 18 13 26.5	1.86S	128.23E	33	3.4b		
NEIC	Poor solution.							

(268) Sulawesi (Celebes).

EIDC	**I**	**21 01 18 43.8**	**4.7S**	**122.1E**	**0**	4.0b,3.9L		**19-33**
								¶97i3113
ISC	**VI**	**03 12 23 51.1**±.85	**2.26S**±.034	**120.11E**±.044	**40**±8.4	**4.8b,4.8s**	**148**	**1-160**
EIDC	VI	03 12 23 46.6	2.3S	120.2E	0	4.7b,4.4s		**¶97vi0453**
NEIC	VI	03 12 23 49.9	2.19S	120.16E	33	4.9b,4.9s		
KLM	VI	03 12 23 50	2.2S	120.1E	33	4.2L		
MOS	VI	03 12 23 50.1	2.2S	119.7E	33	5.3b		
BJI	VI	03 12 23 50.3	2.54S	119.98E	39	5.1b,4.9s		
HRVD	VI	03 12 23 55.1±.3	1.95S±.02	120.33E±.04	42±2.6			
NEIC	Mw5.4(HRV), Less reliable solution.							
KLM	Mb4.9							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c69; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.15±.07; $M_{\theta\theta}$1.71±.07; $M_{\phi\phi}$−0.55±.12; $M_{r\theta}$−0.14±.12; $M_{r\phi}$−0.29±.10; $M_{\theta\phi}$0.14±.06. Principal Axes: T 1.72,Plg3°,Azm176°; N −0.45, Plg22°,Azm85°; P −1.27,Plg68°,Azm274°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S287°,δ46°,λ−59°. NP2:ϕ_S67°,δ52°,λ−118°.							
EIDC	**VI**	**03 12 44 11.2**	**3.2S**	**119.6E**	**0**	**3.6b**		**22-35**
								¶97vi0458
ISC	**VI**	**04 09 32 57.4**±.28	**2.17S**±.036	**120.10E**±.050	**35**±6.3*	**4.5b,3.7s**	**69**	**1-159**
EIDC	VI	04 09 32 54.4	2.0S	120.4E	0	4.4b,3.6s		**¶97vi0593**
BJI	VI	04 09 32 57.1	2.09S	120.35E	32	4.8b		
NEIC	VI	04 09 32 57.1	2.03S	120.18E	33	4.8b		
MOS	VI	04 09 32 57.9	2.1S	120.1E	33	5.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**07 22 18 27.2**±.62	**3.82S**±.098	**122.95E**±.099	**33**	**4.0b,3.0s**	**12**	**3-76**
EIDC	VI	07 22 18 24.7	3.8S	123.1E	0	4.0b,3.0s		**¶97vi1152**
NEIC	VI	07 22 18 27.3	3.79S	123.14E	33			
NEIC	Single network solution.							
EIDC	**VI**	**22 17 13 33.6**	**1.4S**	**119.2E**	**0**	**3.6b**		**8-37**
								¶97vi3415
ISC	**VI**	**23 11 08 59**±6.4	**1.9S**±.53	**119.7E**±.42	**100**	**3.7b**	**8**	**2-36**
EIDC	VI	23 11 07 55.7	5.2N	119.7E	0	4.1b		**¶97vi3516**

(269) Molucca Sea.

ISC	**I**	**04 16 34 19**±1.0	**0.1S**±.18	**124.4E**±.32	**33**	**3.6b**	**5**	**22-90**
EIDC	I	04 16 34 15.4	0.0N	124.5E	0	3.6b		**¶97i0556**
NEIC	I	04 16 34 18.4	0.06S	124.39E	33			
NEIC	Poor solution.							
EIDC	**I**	**04 20 47 05.8**	**0.2S**	**124.6E**	**0**	**3.5b**		**22-60**
								¶97i0585
EIDC	**I**	**09 17 59 35.5**	**1.1S**	**124.2E**	**464**	**3.8b**		**14-40**
								¶97i1259
ISC	**I**	**10 10 17 09**±6.6	**0.2S**±.78	**126.5E**±.90	**33**	**4.2b**	**7**	**14-35**
EIDC	I	10 10 16 57.3	1.1N	127.7E	0	4.2b		**¶97i1344**
EIDC	**I**	**12 07 54 32.3**	**0.2S**	**125.0E**	**0**	**3.6b**		**22-89**
								¶97i1642
ISC	**I**	**17 10 38 56**±1.4	**1.70S**±.063	**124.00E**±.079	**40**±15	**4.3b**	**20**	**4-75**
EIDC	I	17 10 38 52.0	1.8S	124.0E	0	4.1b,3.0s		**¶97i2429**
NEIC	I	17 10 38 55.4	1.70S	123.98E	33	4.4b		
EIDC	**I**	**23 00 01 43.1**	**0.8S**	**124.2E**	**0**	**3.8b**		**21-64**
								¶97i3408
EIDC	**I**	**25 14 06 29.2**	**0.2S**	**126.2E**	**0**	**3.5b**		**21-35**
								¶97i3823
EIDC	**II**	**03 05 26 41.0**	**0.7S**	**126.2E**	**255**	**3.4b**		**21-34**
								¶97ii0326
EIDC	**II**	**09 21 38 54.3**	**0.9S**	**124.8E**	**0**	**3.8b**		**9-74**
								¶97ii1367
ISC	**II**	**14 01 04 22.9**±.87	**0.06S**±.030	**125.05E**±.042	**76**±8.2	**5.0b**	**165**	**5-163**
EIDC	II	14 01 04 14.7	0.1S	125.1E	0	5.0b,4.6s		**¶97ii2001**
BJI	II	14 01 04 19.3	0.02N	125.36E	52	5.2b,4.6s		
KLM	II	14 01 04 20	0.1S	125.0E	50	4.8L		
NEIC	II	14 01 04 20.5	0.05S	125.08E	50	5.3b,4.6s		
MOS	II	14 01 04 21.4	0.0S	125.1E	61	5.7b		
HRVD	II	14 01 04 23.9±.3	0.02S±.04	125.31E±.05	37±3.3			
KLM	Mb5.3							
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c44; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}8.54±.62; $M_{\theta\theta}$−3.33±.44; $M_{\phi\phi}$−5.21±.96; $M_{r\theta}$6.44±.94; $M_{r\phi}$7.23±.87; $M_{\theta\phi}$−1.34±.54. Principal Axes: T 13.5,Plg63°,Azm314°; N −2.8, Plg3°,Azm218°; P −10.7,Plg27°,Azm126°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S208°,δ19°,λ80°. NP2:ϕ_S39°,δ72°,λ93°.							
ISC	**II**	**26 00 29 04**±6.0	**1.5S**±.40	**124.2E**±.20	**27**±55	**4.7b**	**13**	**4-36**
EIDC	II	26 00 28 40.1	1.6N	124.9E	0	4.5b		**¶97ii3714**
NEIC	II	26 00 29 03.5	1.41S	124.27E	33	4.9b		
NEIC	Poor solution.							
ISC	**II**	**28 01 38 56**±1.1	**0.1S**±.30	**126.0E**±.58	**33**	**3.7b**	**5**	**2-60**
EIDC	II	28 01 38 54.2	0.1S	126.5E	0	3.7b		**¶97ii4094**
ISC	**III**	**05 06 35 38**±3.8	**1.9S**±.47	**126.7E**±.16	**33**	**4.4b**	**14**	**7-51**
NEIC	III	05 06 35 44.4	2.46S	127.05E	33	4.1b		**¶97iii0999**
EIDC	III	05 06 35 45.7	2.9S	127.0E	0	4.3b,4.2L		
NEIC	Poor solution.							
EIDC	**III**	**06 06 15 31.8**	**0.5S**	**126.4E**	**0**	**3.4b**		**21-33**
								¶97iii1211

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 25 18 27 40.9**±.65	**0.17S**±.080	**125.00E**±.088	**33**	**3.8b**	**14**	**6-63**
EIDC	III 25 18 27 37.7	0.4S	124.8E	0	3.8b		¶97iii4770
NEIC	III 25 18 27 40.8	0.32S	124.68E	33	3.8b		
NEIC	Poor solution.						
ISC	**III 27 00 30 34**±2.4	**0.20S**±.074	**124.9E**±.13	**81**±23	**4.5b**	**31**	**6-154**
NEIC	III 27 00 30 30.7	0.10S	124.95E	50	4.7b		¶97iii5102
MOS	III 27 00 30 31.6	0.1S	125.2E	56	5.0b		
BJI	III 27 00 30 31.8	0.14S	125.00E	52	4.8b		
EIDC	III 27 00 30 32.0	0.2S	124.8E	44	4.3b,3.3s		
NEIC	Less reliable solution.						
ISC	**III 27 12 49 16.9**±.94	**0.2S**±.21	**126.9E**±.74	**33**	**3.9b**	**8**	**21-64**
EIDC	III 27 12 49 14.5	0.0S	127.6E	0	3.9b		¶97iii5230
NEIC	III 27 12 49 16.9	0.20S	126.94E	33	3.8b		
NEIC	Poor solution.						
ISC	**IV 21 02 42 49.5**±.60	**0.15S**±.025	**124.24E**±.035	**88**±6.0	**5.1b**	**242**	**2-163**
KLM	IV 21 02 42 45	0.1S	124.0E	50	4.9L		¶97iv3392
NEIC	IV 21 02 42 45.2	0.15S	124.07E	50	5.4b,4.8s		
BJI	IV 21 02 42 45.7	0.08S	124.31E	52	5.2b,4.8s		
MOS	IV 21 02 42 46.2	0.1S	124.1E	55	5.6b		
EIDC	IV 21 02 42 48.5	0.2S	124.1E	64	4.8b,4.2s		
HRVD	IV 21 02 42 53.8±.2	0.04S±.03	124.71E±.03	55±2.2			
KLM	Mb5.4						
NEIC	Mw5.5(GS), Mw5.5(HRV).						
NEIC	Moment tensor solution: s13, scale 10^{17}Nm; M_{rr}1.74; $M_{\theta\theta}$0.10; $M_{\phi\phi}$−1.84; $M_{r\theta}$−0.39; $M_{r\phi}$1.06; $M_{\theta\phi}$0.67. Depth 40km; Principal axes: T 2.06,Plg75°,Azm246°; N 0.31,Plg2°, Azm342°; P −2.36,Plg15°,Azm72°. Best double couple: $M_0$2.2×10^{17}Nm; NP1:ϕ_S165°,δ30°, λ93°. NP2:ϕ_S341°,δ60°,λ88°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c65; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.75±.06; $M_{\theta\theta}$−0.20±.08; $M_{\phi\phi}$−1.56±.11; $M_{r\theta}$0.03±.09; $M_{r\phi}$1.13±.09; $M_{\theta\phi}$−1.17±.07. Principal Axes: T 2.15,Plg68°,Azm245°; N 0.32, Plg16°,Azm23°; P −2.47,Plg14°,Azm117°. Best double couple: $M_0$2.3×10^{17}Nm, NP1: ϕ_S229°,δ35°,λ120°. NP2:ϕ_S14°,δ61°,λ71°.						
ISC	**IV 22 05 34 02**±3.7	**0.15S**±.083	**125.4E**±.11	**64**±35	**4.3b**	**24**	**18-89**
EIDC	IV 22 05 33 55.0	0.3S	125.2E	0	4.2b		¶97iv3648
NEIC	IV 22 05 33 58.6	0.11S	125.26E	33	4.2b		
NEIC	Less reliable solution.						
EIDC	**IV 22 06 14 29.7**	**1.4S**	**126.1E**	**0**	**4.0b**		**20-90**
							¶97iv3655
ISC	**IV 24 17 54 26.6**±.71	**0.8S**±.15	**124.9E**±.31	**33**	**3.8b**	**10**	**21-74**
EIDC	IV 24 17 54 23.7	0.8S	124.9E	0	3.8b		¶97iv4193
NEIC	IV 24 17 54 26.8	0.80S	124.82E	33	3.6b		
NEIC	Poor solution.						
ISC	**IV 26 01 01 59**±1.9	**0.41S**±.050	**125.41E**±.088	**44**±18	**4.6b,4.6s**	**63**	**6-153**
EIDC	IV 26 01 01 54.4	0.4S	125.4E	0	4.5b		¶97iv4443
MOS	IV 26 01 01 57.4	0.5S	125.1E	33	5.4b		
NEIC	IV 26 01 01 58.1	0.44S	125.30E	33	4.9b,4.2s		
BJI	IV 26 01 01 58.9	0.13S	125.09E	19	4.8b,4.6s		
NEIC	Less reliable solution.						
ISC	**V 03 17 59 17.0**±.51	**1.49S**±.099	**126.6E**±.20	**33**	**4.1b**	**16**	**20-90**
NEIC	V 03 17 59 16.7	1.49S	126.55E	33	4.1b		¶97v0478
BJI	V 03 17 59 18.7	1.50S	126.50E	33	4.9b		
EIDC	V 03 17 59 24.2	1.6S	126.6E	88	3.5b,4.0L		
NEIC	Less reliable solution.						
ISC	**V 03 20 52 56**±3.0	**1.2S**±.10	**126.9E**±.13	**50**±30	**4.3b**	**21**	**7-89**
NEIC	V 03 20 52 53.8	1.22S	126.87E	33	4.3b		¶97v0497
BJI	V 03 20 52 54.9	0.81S	127.22E	21	4.7b		
EIDC	V 03 20 53 05.4	1.3S	126.9E	136	3.8b		
NEIC	Less reliable solution.						
ISC	**V 08 16 08 59.4**±.80	**0.2S**±.16	**125.6E**±.30	**33**	**3.8b**	**9**	**21-89**
EIDC	V 08 16 08 56.2	0.2S	125.7E	0	3.8b		¶97v1273
NEIC	V 08 16 08 59.2	0.24S	125.58E	33	3.9b		
NEIC	Poor solution.						
EIDC	**V 15 10 01 37.7**	**1.0S**	**125.1E**	**0**	**3.9b**		**5-90**
							¶97v2592
EIDC	**VI 01 04 39 09.5**	**0.3S**	**125.4E**	**0**	**3.8b**		**21-35**
							¶97vi0021
ISC	**VI 02 12 11 42**±3.2	**0.9S**±.25	**125.6E**±.87	**33**	**3.6b**	**4**	**21-90**
EIDC	VI 02 12 11 38.4	0.8S	125.6E	0	3.6b		¶97vi0234
ISC	Poorly determined						
EIDC	**VI 22 10 22 08.1**	**0.9S**	**126.8E**	**0**	**3.1b**		**20-34**
							¶97vi3370
ISC	**VI 24 07 36 54.5**±.74	**0.68S**±.030	**124.29E**±.039	**58**±7.5	**4.7b,4.3s**	**126**	**2-153**
BJI	VI 24 07 36 53.5	0.77S	124.23E	60	5.2b,4.6s		¶97vi3672
NEIC	VI 24 07 36 54.7	0.72S	124.19E	60	4.7b,4.4s		
MOS	VI 24 07 36 54.9	0.6S	124.2E	60	5.2b		
EIDC	VI 24 07 37 00.1	0.7S	124.3E	99	4.3b,4.1s		
ISC	**VI 27 21 24 37**±1.0	**0.70S**±.043	**124.29E**±.045	**55**±11	**4.4b,4.3s**	**62**	**5-137**
EIDC	VI 27 21 24 32.0	0.7S	124.2E	0	4.3b,4.2s		¶97vi4369
MOS	VI 27 21 24 34.9	0.7S	124.2E	33	4.9b		
BJI	VI 27 21 24 34.9	0.73S	124.20E	32	4.8b,4.6s		
NEIC	VI 27 21 24 35.3	0.71S	124.19E	33	4.6b		
ISC	**VI 29 20 22 39**±4.6	**0.1S**±.15	**124.6E**±.26	**73**±45	**4.0b**	**13**	**6-126**
EIDC	VI 29 20 22 32.5	0.1S	124.6E	0	4.1b		¶97vi4658
ISC	**VI 30 17 07 56**±2.4	**0.04S**±.047	**126.11E**±.092	**50**±24	**4.4b**,4.2s	**51**	**16-154**
EIDC	VI 30 17 07 50.9	0.0S	126.2E	0	4.4b,3.8s		¶97vi4795
BJI	VI 30 17 07 52.9	0.01S	126.14E	32	4.7b		
NEIC	VI 30 17 07 53.6	0.03S	126.05E	33	4.6b		
MOS	VI 30 17 07 53.8	0.0S	126.1E	33	4.9b		
EIDC	**VI 30 18 11 10.3**	**0.2S**	**125.2E**	**0**	**3.6b**		**22-60**
							¶97vi4802
EIDC	**VI 30 18 53 30.6**	**0.1S**	**125.7E**	**0**	**3.8b**		**21-60**
							¶97vi4809
ISC	**VI 30 19 25 11**±1.1	**0.0S**±.14	**126.1E**±.54	**33**	**3.9b**	**10**	**21-74**
EIDC	VI 30 19 25 08.1	0.1S	126.1E	0	3.9b		¶97vi4814
NEIC	VI 30 19 25 10.8	0.02S	126.12E	33	4.1b		
NEIC	Poor solution.						

(270) Ceram Sea.

EIDC	**I 07 17 01 16.8**	**2.1S**	**127.7E**	**0**	3.2b,3.6L		**19-32**
							¶97i0950
ISC	**I 16 17 24 25**±1.7	**2.0S**±.11	**126.9E**±.15	**103**±18	**4.1b**	**28**	**2-90**
EIDC	I 16 17 24 15.6	1.9S	127.3E	0	4.1b,4.7L		¶97i2339
NEIC	I 16 17 24 16.8	2.23S	125.98E	33	4.5b		
NEIC	Poor solution.						
ISC	**I 17 11 06 32**±1.2	**2.63S**±.052	**128.90E**±.074	**46**±11	**4.3b**	**47**	**1-151**
EIDC	I 17 11 06 27.5	2.7S	128.8E	0	4.2b,4.7L		¶97i2434
NEIC	I 17 11 06 31.3	2.64S	128.83E	37	4.4b		
NEIC	Less reliable solution.						
ISC	**I 20 04 42 05.5**±.81	**2.3S**±.16	**128.6E**±.17	**350**	**4.1b**	**7**	**3-56**
							¶97i2943
ISC	**I 21 20 57 58**±1.3	**2.0S**±.15	**128.7E**±.68	**33**	**4.2b**	**9**	**19-89**
EIDC	I 21 20 57 55.8	2.0S	128.7E	0	4.1b,4.4L		¶97i3227
NEIC	I 21 20 57 58.5	2.00S	128.68E	33	4.4b		
NEIC	Poor solution.						
ISC	**I 25 03 36 07**±8.1	**2.9S**±.76	**127.9E**±.92	**33**	**3.6b**	**5**	**18-32**
EIDC	I 25 03 35 58.7	2.0S	129.4E	0	3.7b,3.6L		¶97i3732
ISC	**I 25 06 33 33**±2.7	**2.9S**±.20	**127.6E**±.89	**33**	**3.8b**	**7**	**18-91**
EIDC	I 25 06 33 27.3	2.9S	126.8E	0	3.8b,3.6L		¶97i3759
ISC	**I 31 09 08 52**±1.2	**2.4S**±.29	**127.1E**±.84	**33**	**3.8b**	**8**	**19-76**
EIDC	I 31 09 08 54.4	2.5S	127.0E	33	3.7b,4.0L		¶97i4606
ISC	**II 16 12 46 59**±1.5	**2.92S**±.076	**128.1E**±.13	**35**±15	**4.4b**	**26**	**1-150**
EIDC	II 16 12 46 56.0	3.0S	127.9E	0	4.2b		¶97ii2377
BJI	II 16 12 46 59.2	2.90S	128.10E	32	5.0b		
NEIC	II 16 12 46 59.4	2.94S	128.09E	33	4.7b		
NEIC	Less reliable solution.						
ISC	**III 03 08 15 29**±1.2	**2.4S**±.18	**126.6E**±.18	**33**	**4.0b**	**7**	**19-34**
EIDC	III 03 08 15 25.9	2.4S	126.7E	0	4.0b		¶97iii0517
NEIC	III 03 08 15 28.5	2.40S	126.64E	33			
NEIC	Single network solution.						
ISC	**III 17 21 53 43.9**±.87	**2.1S**±.17	**124.4E**±.34	**33**	**3.7b**	**7**	**20-62**
EIDC	III 17 21 53 40.4	2.1S	124.5E	0	3.6b		¶97iii3437
NEIC	III 17 21 53 43.1	2.15S	124.50E	33	3.5b		
NEIC	Poor solution.						
EIDC	**III 25 00 03 06.9**	**3.3S**	**125.6E**	**33**	3.2b,3.2L		**19-32**
							¶97iii4644
EIDC	**III 25 05 02 47.9**	**2.3S**	**127.0E**	**0**	3.7b,4.0L		**19-35**
							¶97iii4674
EIDC	**IV 01 05 11 27.5**	**2.0S**	**126.4E**	**0**	3.8b,4.0L		**19-33**
							¶97iv0022
EIDC	**IV 02 09 35 17.2**	**2.3S**	**126.5E**	**0**	3.6b,4.1L		**19-33**
							¶97iv0224
EIDC	**IV 02 10 48 31.3**	**2.6S**	**125.8E**	**0**	3.6b,3.5L		**19-76**
							¶97iv0236
ISC	**IV 17 00 30 55**±2.1	**2.59S**±.027	**127.39E**±.033	**8**±13	**5.1b,4.9s**	**228**	**4-162**
BJI	IV 17 00 30 58.3	2.74S	127.23E	32	5.1b,4.7s		¶97iv2825
MOS	IV 17 00 30 58.5	2.6S	127.3E	33	5.8b,4.6s		
NEIC	IV 17 00 30 59.0	2.74S	127.31E	33	5.4b,5.0s		
EIDC	IV 17 00 30 59.9	2.7S	127.3E	31	4.7b,4.6s		
HRVD	IV 17 00 31 03.1±.3	2.23S±.05	127.37E±.04	50±4.2			
NEIC	Mw5.4(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c34; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.43±.04; $M_{\theta\theta}$0.84±.07; $M_{\phi\phi}$−1.27±.09; $M_{r\theta}$0.41±.14; $M_{r\phi}$0.02±.10; $M_{\theta\phi}$1.15±.06. Principal Axes: T 1.48,Plg20°,Azm337°; N 0.30, Plg70°,Azm146°; P −1.78,Plg4°,Azm246°. Best double couple: $M_0$1.6×10^{17}Nm, NP1:ϕ_S20°, δ73°,λ168°. NP2:ϕ_S113°,δ79°,λ17°.						
EIDC	**IV 17 13 29 01.1**	**2.1S**	**128.4E**	**700**	**2.3b**		**19-90**
							¶97iv2913
ISC	**IV 27 04 19 49**±1.3	**2.85S**±.092	**128.6E**±.63	**33**	**3.8b**	**10**	**10-90**
EIDC	IV 27 04 19 47.5	2.8S	129.1E	0	3.9b,4.1L		¶97iv4661
EIDC	**V 03 08 34 14.4**	**2.0S**	**127.8E**	**0**	3.5b,3.6L		**19-32**
							¶97v0401
EIDC	**V 09 11 04 26.1**	**2.1S**	**127.5E**	**0**	3.6b,3.6L		**19-32**
							¶97v1411
ISC	**V 12 09 16 17**±8.0	**2.7S**±.12	**129.0E**±.17	**25**±59	**4.1b**	**17**	**10-150**
EIDC	V 12 09 16 14.9	2.7S	129.1E	0	4.1b,4.3L		¶97v1927
NEIC	V 12 09 16 17.6	2.73S	128.98E	33	4.6b		
NEIC	Less reliable solution.						
ISC	**VI 03 21 33 26**±7.0	**2.9S**±.67	**126.9E**±.92	**33**	**4.1b**	**6**	**18-32**
EIDC	VI 03 21 33 18.8	2.3S	127.4E	0	3.9b,4.1L		¶97vi0517
ISC	**VI 04 02 14 32**±6.6	**2.7S**±.39	**128.8E**±.88	**33**	**3.8b**	**6**	**3-31**
EIDC	VI 04 02 14 23.9	2.1S	129.1E	0	3.9b,3.7L		¶97vi0542
EIDC	**VI 07 08 27 13.2**	**2.2S**	**128.1E**	**0**	**3.7b**,4.2L		**19-90**
							¶97vi1068
ISC	**VI 15 09 32 00**±2.6	**2.9S**±.14	**128.9E**±.20	**68**±23	**4.0b**	**11**	**1-90**
EIDC	VI 15 09 31 55.5	2.6S	130.1E	0	4.0b,4.4L		¶97vi2274
NEIC	VI 15 09 32 00.4	2.86S	128.90E	67	4.1b		
NEIC	Less reliable solution.						
EIDC	**VI 15 12 31 18.5**	**2.4S**	**127.8E**	**0**	3.3b,3.7L		**19-32**
							¶97vi2293
EIDC	**VI 18 19 09 48.9**	**2.4S**	**128.3E**	**0**	3.8b,4.1L		**18-32**
							¶97vi2821
ISC	**VI 21 12 43 08**±1.6	**2.3S**±.16	**128.9E**±.26	**33**	**3.8b**	**6**	**2-90**
EIDC	VI 21 12 43 04.9	2.3S	128.8E	0	3.8b,3.7L		¶97vi3219
EIDC	**VI 23 15 25 37.1**	**2.2S**	**128.8E**	**0**	3.8b,3.4L		**3-32**
							¶97vi3548
ISC	**VI 25 00 19 42**±1.1	**2.1S**±.16	**127.8E**±.61	**33**	**4.0b**	**10**	**2-90**
EIDC	VI 25 00 19 39.4	2.0S	128.0E	0	4.0b,4.6L		¶97vi3807
NEIC	VI 25 00 19 42.0	2.08S	127.81E	33			
NEIC	Poor solution.						
ISC	**VI 25 06 24 26**±6.5	**2.7S**±.59	**128.2E**±.89	**33**	4.1b	**6**	**18-32**
EIDC	VI 25 06 24 22.4	2.4S	128.7E	0	4.1b,4.3L		¶97vi3858
ISC	**VI 25 18 45 19**±7.5	**2.5S**±.77	**127.9E**±.28	**33**	3.9b	**6**	**18-32**
							¶97vi4006
ISC	**VI 29 17 42 49**±1.5	**2.0S**±.27	**127.9E**±.88	**33**	**4.0b**	**7**	**19-63**
EIDC	VI 29 17 42 46.0	2.0S	127.8E	0	3.8b,4.3L		¶97vi4648

(272) Seram.

ISC	**I 01 18 49 45**±1.4	**2.6S**±.20	**130.7E**±.49	**33**	**3.7b**	**6**	**18-64**
EIDC	I 01 18 49 42.7	2.8S	130.4E	0	3.7b,3.3L		¶97i0102
NEIC	I 01 18 49 44.5	2.68S	130.70E	33	3.5b		
NEIC	Poor solution.						
ISC	**I 03 12 10 00**±2.6	**3.8S**±.44	**128.8E**±.66	**130**±63		**5**	**1-20**
NEIC	I 03 12 10 00.9	3.94S	129.06E	100	4.0b		¶97i0368
ISC	Poorly determined						
NEIC	Less reliable solution.						
ISC	**I 03 23 09 44**±6.7	**3.0S**±.10	**130.2E**±.15	**18**±51	**4.3b**,3.4s	**31**	**10-154**
EIDC	I 03 23 09 43.1	3.1S	130.2E	0	4.2b,3.4s		¶97i0445
BJI	I 03 23 09 43.4	3.11S	130.62E	33	4.7b		
NEIC	I 03 23 09 45.9	3.06S	130.20E	33	4.6b		
NEIC	Less reliable solution.						
ISC	**I 04 09 01 12**±1.3	**3.98S**±.041	**128.20E**±.057	**49**±12	**5.0b**,4.3s	**111**	**4-160**
NEIC	I 04 09 01 10.7	4.01S	128.13E	33	5.1b		¶97i0508
BJI	I 04 09 01 11.3	3.90S	128.58E	42	5.3b		
MOS	I 04 09 01 12.7	3.8S	127.6E	33	5.6b		
EIDC	I 04 09 01 13.3	4.0S	128.3E	41	4.6b		
ISC	**I 06 10 42 34.3**±.37	**2.93S**±.079	**129.8E**±.13	**33**	**4.5b**,3.2s	**40**	**4-154**
EIDC	I 06 10 42 31.6	2.9S	130.0E	0	4.4b,4.0s		¶97i0775
MOS	I 06 10 42 33.8	3.0S	129.5E	33	5.1b		

NEIC I 06 10 42 34.8 3.02S 129.54E 33 4.6b
NEIC Less reliable solution.
ISC I 07 07 42 19±1.3 **3.37S**±.042 **128.16E**±.074 **42**±14 **4.7b,4.3s** **85 4-155**
BJI I 07 07 42 14.7 3.65S 128.56E 36 4.9b,4.7s **¶97i0895**
NEIC I 07 07 42 17.8 3.36S 128.05E 35 5.0b,4.2s
MOS I 07 07 42 18.2 3.4S 128.1E 33 5.3b
EIDC I 07 07 42 20.0 3.3S 128.3E 37 4.3b,3.6L
HRVD I 07 07 42 20.4±1.6 2.93S±.10 128.43E±.13 72±7.1
NEIC Mw5.1(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c21; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−0.77±.66; $M_{\theta\theta}$2.35±.51; $M_{\phi\phi}$−1.57±1.12; $M_{r\theta}$−1.38±.61; $M_{r\phi}$−0.53±.50; $M_{\theta\phi}$4.13±.65. Principal Axes: T 5.31,Plg13°,Azm148°; N −1.10,Plg76°,Azm306°; P −4.21,Plg5°,Azm56°. Best double couple: $M_0$4.8×10^{16}Nm, NP1: ϕ_s191°,δ77°,λ174°. NP2:ϕ_s283°,δ84°,λ13°.
ISC I 21 04 03 06.5±.62 **2.8S**±.11 **129.4E**±.19 **33** **4.2b** **25 18-90**
EIDC I 21 04 03 04.0 2.8S 129.6E 0 4.0b,4.6L **¶97i3133**
NEIC I 21 04 03 06.6 2.81S 129.55E 33 4.2b
NEIC Less reliable solution.
ISC I 23 18 30 59±10 **2.92S**±.070 **130.1E**±.22 **9**±64 **4.1b** **13 2-68**
EIDC I 23 18 30 59.7 3.0S 130.0E 0 4.0b,4.5L **¶97i3538**
NEIC I 23 18 31 02.1 2.92S 130.17E 33 4.1b
NEIC Less reliable solution.
ISC I 25 05 10 09±1.6 **3.88S**±.039 **127.73E**±.051 **75**±15 **5.0b** **153 7-161**
NEIC I 25 05 10 02.7 3.90S 127.68E 25 5.3b,4.5s **¶97i3743**
MOS I 25 05 10 04.1 3.5S 127.4E 16 5.9b
EIDC I 25 05 10 04.6 4.0S 127.6E 23 4.8b,4.3s
HRVD I 25 05 10 04.7±1.2 4.00S±.12 127.40E±.12 18±6.6
BJI I 25 05 10 05.6 3.48S 127.80E 25 5.2b,4.8s
NEIC Mw5.1(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c24; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.64±.71; $M_{\theta\theta}$−4.07±.48; $M_{\phi\phi}$−0.56±1.00; $M_{r\theta}$1.05±2.05; $M_{r\phi}$0.00±1.40; $M_{\theta\phi}$1.81±.50. Principal Axes: T 4.77,Plg82°,Azm341°; N 0.17, Plg5°,Azm112°; P −4.94,Plg6°,Azm203°. Best double couple: $M_0$4.9×10^{16}Nm, NP1:ϕ_s299°, δ39°,λ98°. NP2:ϕ_s108°,δ51°,λ83°.
EIDC I 25 05 16 07.0 **3.1S** **129.3E** **0** 3.8b **17-37**
¶97i3744
ISC I 25 05 18 03±1.4 **3.7S**±.20 **127.9E**±.59 **33** 4.3b **6 17-98**
EIDC I 25 05 17 58.7 3.8S 127.4E 0 4.2b,3.5L **¶97i3747**
NEIC I 25 05 18 02.7 3.75S 127.88E 33 4.0b
NEIC Poor solution.
ISC I 25 05 30 20±4.7 **3.87S**±.055 **127.71E**±.086 **22**±35 **4.7b**,4.3s **72 10-150**
BJI I 25 05 30 14.6 4.46S 128.53E 33 5.0b **¶97i3750**
NEIC I 25 05 30 21.9 3.85S 127.84E 33 4.8b
EIDC I 25 05 30 28.3 4.0S 127.7E 78 4.2b
ISC I 25 06 02 03.7±.52 **3.80S**±.080 **127.8E**±.16 **23** **4.2b** **21 10-125**
NEIC I 25 06 02 03.6 3.79S 127.79E 23 4.5b **¶97i3755**
EIDC I 25 06 02 05.6 4.0S 127.2E 23 4.0b
NEIC Less reliable solution.
ISC I 25 06 03 18±4.1 **3.85S**±.053 **127.67E**±.070 **23**±30 **4.8b** **97 10-155**
BJI I 25 06 03 17.3 4.24S 128.14E 45 5.0b,4.5s **¶97i3756**
NEIC I 25 06 03 18.0 3.81S 127.70E 22 5.0b
EIDC I 25 06 03 19.1 3.9S 127.6E 19 4.6b
MOS I 25 06 03 19.5 3.7S 127.8E 27 5.5b
ISC I 25 06 20 02±5.2 **3.84S**±.067 **127.7E**±.10 **21**±39 **4.8b** **62 10-155**
BJI I 25 06 20 00.1 4.43S 128.10E 48 4.9b **¶97i3758**
NEIC I 25 06 20 01.7 3.80S 127.74E 21 5.0b
EIDC I 25 06 20 03.3 3.8S 127.7E 21 4.6b
ISC I 26 18 25 18.5±.72 **3.8S**±.12 **127.8E**±.29 **33** **3.9b** **10 17-91**
NEIC I 26 18 25 18.5 3.82S 127.84E 33 3.8b **¶97i3978**
EIDC I 26 18 25 24.3 3.9S 127.8E 71 3.7b,4.0L
NEIC Less reliable solution.
ISC I 29 17 06 13.2±.46 **2.91S**±.070 **129.6E**±.13 **33** **4.5b**,3.3s **33 10-133**
EIDC I 29 17 06 10.1 3.0S 129.6E 0 4.5b,4.5L **¶97i4378**
BJI I 29 17 06 13.4 2.80S 129.58E 30 4.2b
NEIC I 29 17 06 13.4 2.95S 129.42E 33 4.6b
NEIC Less reliable solution.
EIDC I 30 04 38 57.4 **2.8S** **131.0E** **0** 3.5b,3.8L **10-31**
¶97i4441
ISC II 03 08 56 08.1±.80 **4.0S**±.16 **128.2E**±.35 **33** **4.0b** **8 17-91**
EIDC II 03 08 56 05.4 4.0S 128.3E 0 4.1b,3.7L **¶97ii0352**
NEIC II 03 08 56 08.0 4.00S 128.23E 33 3.8b
NEIC Poor solution.
ISC II 06 20 03 43±1.4 **3.9S**±.16 **130.0E**±.45 **150** **3.8b** **8 17-65**
NEIC II 06 20 03 31.4 3.63S 130.07E 33 3.8b **¶97ii0900**
EIDC II 06 20 03 40.5 3.8S 130.3E 92 3.5b,4.0L
NEIC Poor solution.
ISC II 08 22 16 16±2.1 **3.1S**±.13 **130.3E**±.48 **33** 3.9b **5 2-23**
¶97ii1218
ISC II 10 19 17 16±1.7 **3.9S**±.21 **127.9E**±.74 **33** **4.0b** **7 17-91**
EIDC II 10 19 17 15.0 3.5S 129.6E 0 4.0b,3.5L **¶97ii1504**
ISC II 11 03 24 42±1.9 **2.1S**±.12 **131.0E**±.82 **33** **4.0b** **8 11-39**
EIDC II 11 03 24 38.6 2.1S 130.6E 0 3.9b,4.0L **¶97ii1576**
NEIC II 11 03 24 41.8 2.10S 130.94E 33 3.7b
NEIC Poor solution.
EIDC II 12 23 20 40.3 **3.2S** **129.6E** **0** **3.7b**,3.3L **17-90**
¶97ii1834
ISC II 24 11 10 53±5.8 **3.2S**±.15 **129.8E**±.24 **126**±57 **4.1b** **11 17-76**
NEIC II 24 11 10 55.2 3.20S 129.83E 150 4.5b **¶97ii3466**
EIDC II 24 11 10 58.0 3.2S 129.9E 159 3.8b
NEIC Less reliable solution.
ISC III 05 21 31 43±5.2 **3.9S**±.16 **129.8E**±.36 **32**±50 **4.0b** **15 9-149**
EIDC III 05 21 31 41.0 3.9S 129.7E 0 4.0b,3.7L **¶97iii1131**
NEIC III 05 21 31 43.6 3.96S 129.71E 33 3.7b
NEIC Poor solution.
ISC III 13 12 49 42±6.7 **3.48S**±.076 **129.0E**±.23 **27**±52 **4.0b**,4.2s **13 3-76**
EIDC III 13 12 49 39.7 3.5S 129.1E 0 4.0b,3.8s **¶97iii2704**
BJI III 13 12 49 40.9 3.24S 129.13E 20 4.6b,5.0s
NEIC III 13 12 49 42.3 3.49S 129.06E 33 4.3b
NEIC Less reliable solution.
ISC III 15 21 33 28.7±.31 **3.89S**±.043 **128.95E**±.059 **86** **4.8b** **60 4-149**
BJI III 15 21 33 27.8 3.78S 129.40E 86 4.7b **¶97iii3111**
NEIC III 15 21 33 28.5 3.87S 128.89E 86 5.1b
MOS III 15 21 33 28.8 3.8S 128.9E 90 5.0b
EIDC III 15 21 33 29.9 4.0S 128.9E 80 4.4b
ISC III 22 04 14 55±7.7 **3.5S**±.60 **129.9E**±.69 **33** 4.0b **6 17-30**
EIDC III 22 04 14 52.0 3.4S 130.1E 0 4.1b,4.1L **¶97iii4194**
EIDC III 22 09 44 17.1 **3.2S** **128.0E** **296** 3.1b **1-31**
¶97iii4239
EIDC III 26 19 41 56.7 **2.2S** **129.4E** **0** **3.8b**,3.8L **18-63**
¶97iii5063
ISC V 02 13 28 32±3.0 **3.63S**±.085 **129.0E**±.15 **112**±30 **4.0b** **27 10-124**
NEIC V 02 13 28 26.1 3.55S 128.98E 50 4.9b **¶97v0272**
MOS V 02 13 28 28.9 3.6S 128.7E 80 4.9b
EIDC V 02 13 28 35.0 3.7S 129.2E 120 3.9b
NEIC Less reliable solution.
ISC V 12 09 47 35±1.9 **3.3S**±.17 **128.4E**±.63 **33** 3.5b **8 18-150**
EIDC V 12 09 47 31.7 3.2S 128.4E 0 3.9b,4.1L **¶97v1934**
NEIC V 12 09 47 35.2 3.28S 128.39E 33 4.2b
NEIC Poor solution.
ISC V 13 23 54 03±9.8 **4.0S**±.84 **127.3E**±.87 **33** 3.8b **6 17-31**
EIDC V 13 23 53 42.2 2.0S 128.1E 0 4.0b,4.3L **¶97v2357**
ISC V 22 11 14 00±2.1 **2.87S**±.092 **130.5E**±.11 **49**±22 **3.9b** **16 2-89**
EIDC V 22 11 13 55.7 2.8S 130.5E 0 4.0b,3.9L **¶97v3762**
NEIC V 22 11 13 58.6 2.83S 130.59E 33 3.7b
ISC V 26 21 56 08±2.4 **3.3S**±.39 **129.8E**±.60 **33** 3.8b **7 17-37**
EIDC V 26 21 56 07.2 3.5S 129.5E 0 3.9b,4.1L **¶97v4471**
NEIC V 26 21 56 07.5 3.28S 129.87E 33 3.9b
NEIC Poor solution.
ISC VI 04 02 24 16±10 **2.7S**±.85 **129.8E**±.60 **33** 3.9b **4 18-31**
EIDC VI 04 02 24 10.3 2.4S 129.6E 0 3.9b,3.4L **¶97vi0544**
ISC Poorly determined
EIDC VI 06 23 01 53.3 **3.4S** **129.3E** **83** 3.4b,4.4L **17-37**
¶97vi1012
ISC VI 12 13 10 13±4.0 **2.90S**±.056 **129.5E**±.14 **18**±30 **4.2b** **27 3-150**
BJI VI 12 13 10 12.6 3.12S 129.00E 13 **¶97vi1852**
EIDC VI 12 13 10 13.0 2.9S 129.7E 0 4.2b,4.4L
NEIC VI 12 13 10 15.6 2.92S 129.60E 33 4.4b
EIDC VI 15 10 00 43.9 **2.8S** **129.8E** **0** 3.7b,3.7L **2-31**
¶97vi2277
EIDC VI 18 08 38 36.4 **2.5S** **130.2E** **0** 3.6b,3.4L **18-31**
¶97vi2759
ISC VI 22 02 45 07±4.7 **2.8S**±.24 **129.8E**±.84 **33** **4.0b** **6 2-31**
EIDC VI 22 02 44 50.5 1.5S 129.8E 0 4.1b,4.0L **¶97vi3313**
ISC VI 23 14 52 50±6.4 **2.83S**±.089 **129.9E**±.22 **32**±48 **3.9b** **9 2-90**
EIDC VI 23 14 52 46.7 2.9S 129.8E 0 3.9b,4.2L **¶97vi3541**
NEIC VI 23 14 52 49.8 2.84S 129.95E 33
NEIC Less reliable solution.

SEISMIC REGION 24.
SUNDA ARC.

(273) South-west of Sumatera.

ISC I 11 17 11 02±2.5 **6.2S**±.13 **103.8E**±.14 **73**±20 **4.2b** **40 2-145**
BJI I 11 17 10 56.1 6.38S 103.67E 32 5.0b **¶97i1551**
NEIC I 11 17 10 56.2 6.36S 103.49E 33 4.3b
EIDC I 11 17 11 00.7 6.3S 103.7E 50 4.0b
EIDC I 23 04 27 07.0 **5.7S** **101.1E** **36** **3.4b** **24-147**
¶97i3434
EIDC II 15 12 38 43.6 **6.5S** **99.3E** **0** 3.7b **25-149**
¶97ii2231
ISC II 20 10 39 25±2.0 **6.3S**±.15 **103.9E**±.31 **50** **3.6b** **5 2-43**
EIDC II 20 10 39 20.6 6.3S 103.9E 0 3.6b **¶97ii2910**
NEIC II 20 10 39 24.9 6.33S 103.89E 50
NEIC Poor solution.
ISC II 21 20 39 43±2.9 **6.5S**±.26 **103.2E**±.44 **104**±20 **4.0b** **12 3-146**
EIDC II 21 20 39 36.8 6.6S 102.9E 33 3.8b **¶97ii3122**
NEIC II 21 20 39 43.7 6.26S 103.61E 100
NEIC Poor solution.
ISC III 06 21 10 08.4±.49 **6.20S**±.083 **103.76E**±.075 **45**±1.5* **4.5b**,4.7s **46 4-145**
BJI III 06 21 10 05.2 6.79S 103.86E 51 4.8b **¶97iii1353**
NEIC III 06 21 10 07.3 6.29S 103.73E 33 4.6b
MOS III 06 21 10 07.7 6.0S 103.9E 33 4.8b
EIDC III 06 21 10 10.2 6.3S 103.7E 43 4.1b
NEIC Less reliable solution.
EIDC III 25 09 55 13.6 **5.1S** **98.5E** **0** **3.6b** **7-148**
¶97iii4707
ISC IV 24 06 02 57±1.2 **6.2S**±.19 **103.7E**±.17 **33** **4.0b**,3.1s **13 4-145**
EIDC IV 24 06 02 54.1 6.2S 103.6E 0 4.0b,3.1s **¶97iv4090**
NEIC IV 24 06 02 57.3 6.15S 103.78E 33
NEIC Poor solution.
ISC V 13 07 57 22±1.7 **5.5S**±.24 **101.7E**±.40 **33** **3.6b** **7 24-146**
EIDC V 13 07 57 18.9 5.4S 101.7E 0 3.7b **¶97v2199**
ISC V 21 10 56 49±3.3 **7.1S**±.12 **103.4E**±.20 **62**±25 **4.5b** **37 3-149**
EIDC V 21 10 56 41.7 7.3S 103.2E 0 4.4b,3.4s **¶97v3552**
MOS V 21 10 56 43.6 7.3S 103.1E 33 5.1b
NEIC V 21 10 56 44.0 7.26S 103.03E 33 4.4b
BJI V 21 10 56 44.4 7.59S 103.58E 47 4.9b,4.8s
NEIC Less reliable solution.
ISC V 28 00 36 23±3.2 **0.5S**±.12 **96.9E**±.16 **92**±28 **3.9b** **25 6-145**
EIDC V 28 00 36 12.8 0.7S 97.0E 0 4.0b,4.6L **¶97v4632**
NEIC V 28 00 36 16.5 0.48S 96.94E 33
NEIC Less reliable solution.
EIDC VI 06 09 21 51.1 **7.7S** **102.4E** **32** **3.4b** **3-147**
¶97vi0918
ISC VI 07 14 04 08±3.6 **1.85S**±.078 **97.4E**±.11 **19**±25 **4.5b,3.8s** **54 4-146**
MOS VI 07 14 04 09.8 1.8S 97.5E 33 5.1b **¶97vi1104**
BJI VI 07 14 04 09.9 1.79S 97.60E 27 4.8b,4.5s
NEIC VI 07 14 04 09.9 1.79S 97.44E 33 4.8b
KLM VI 07 14 04 10 1.8S 97.4E 33 4.1L
EIDC VI 07 14 04 13.0 1.8S 97.4E 46 4.1b,3.5s
NEIC Less reliable solution.
KLM Mb4.8
ISC VI 14 12 05 46±1.1 **0.1S**±.11 **98.0E**±.17 **33** **3.6b** **10 2-145**
EIDC VI 14 12 05 41.9 0.1N 98.1E 0 3.8b **¶97vi2124**
ISC VI 17 11 50 54±8.5 **7.0S**±.41 **102.7E**±.62 **122**±58 **3.6b** **7 5-147**
EIDC VI 17 11 50 43.7 6.8S 102.9E 0 3.7b **¶97vi2615**
EIDC VI 17 12 04 06.4 **6.7S** **103.3E** **0** **3.5b** **4-146**
¶97vi2619

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EIDC I 01 20 37 55.9 **2.5S** **99.6E** **0** **3.8b** **21-145**
¶97i0115
ISC I 03 11 28 44±4.0 **1.1S**±.19 **103.1E**±.83 **33** **3.9b** **7 4-47**
EIDC I 03 11 28 38.4 1.2S 102.7E 0 3.9b **¶97i0362**
ISC I 20 10 03 04±1.9 **5.1S**±.18 **102.8E**±.19 **262**±19 **3.6b** **23 5-75**
EIDC I 20 10 02 37.9 5.2S 102.7E 0 3.9b **¶97i2981**
EIDC I 20 18 09 57.6 **1.4S** **100.6E** **0** **3.6b** **9-49**
¶97i3057

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**I**	**23 09 26 45.6**	**1.0S**	**102.3E**	**0**	4.0b		**34-142**
								¶97i3472
ISC	**I**	**23 23 10 01.0**±.72	**4.6S**±.17	**102.7E**±.20	**33**	**4.3b**	**31**	**23-148**
NEIC	I	23 23 10 00.3	4.48S	102.63E	33			**¶97i3563**
EIDC	I	23 23 10 04.9	4.4S	102.7E	59	3.7b		
NEIC	Less reliable solution.							
EIDC	**I**	**25 16 17 55.9**	**0.5S**	**100.6E**	**0**	3.6b,3.8L		**5-40**
								¶97i3831
ISC	**I**	**27 05 38 40**±3.1	**1.2S**±.15	**100.7E**±.19	**106**±27	**4.2b**	**13**	**6-144**
KLM	I	27 05 38 31	1.2S	100.6E	33			**¶97i4053**
NEIC	I	27 05 38 31.4	1.25S	100.62E	33			
EIDC	I	27 05 38 41.5	1.2S	100.6E	113	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**30 17 20 10**±2.7	**3.6S**±.31	**103.7E**±.57	**150**	**3.5b**	**9**	**22-63**
EIDC	I	30 17 19 56.5	3.5S	104.0E	0	3.6b		**¶97i4516**
NEIC	I	30 17 20 10.0	3.60S	103.68E	150	3.6b		
NEIC	Poor solution.							
ISC	**II**	**11 17 53 21**±3.0	**1.1S**±.12	**100.6E**±.17	**124**±26	**4.3b**	**21**	**4-145**
BJI	II	11 17 53 18.4	0.91S	100.68E	92	4.5b		**¶97ii1656**
NEIC	II	11 17 53 19.7	1.09S	100.57E	109	4.1b		
KLM	II	11 17 53 20	1.1S	100.5E	109	3.1L		
EIDC	II	11 17 53 22.7	1.1S	100.5E	121	4.1b		
NEIC	Less reliable solution.							
NEIC	Felt at Padang.							
KLM	Mb4.1							
ISC	**II**	**14 04 36 56**±1.6	**4.4S**±.23	**102.8E**±.28	**100**	**3.9b**	**13**	**2-145**
EIDC	II	14 04 36 51.2	3.8S	103.8E	0	4.0b		**¶97ii2027**
ISC	**II**	**17 13 45 05**±2.2	**2.12S**±.094	**101.0E**±.12	**91**±19	**4.5b**	**39**	**5-145**
MOS	II	17 13 45 00.1	2.2S	100.9E	60	4.9b		**¶97ii2500**
KLM	II	17 13 45 01	2.1S	100.9E	61	3.8L		
NEIC	II	17 13 45 01.3	2.10S	100.99E	61	4.6b		
BJI	II	17 13 45 02.0	2.06S	101.26E	60	5.1b		
EIDC	II	17 13 45 02.4	2.1S	101.0E	56	4.2b		
KLM	Mb4.6							
ISC	**II**	**20 09 49 47.6**±.54	**5.88S**±.085	**104.7E**±.10	**33**	**4.4b**,4.0s	**35**	**1-146**
EIDC	II	20 09 49 44.9	5.9S	104.7E	0	4.4b,4.0s		**¶97ii2902**
NEIC	II	20 09 49 49.5	5.70S	104.87E	50	4.6b		
MOS	II	20 09 49 50.1	5.3S	105.3E	47	4.9b		
BJI	II	20 09 49 50.8	5.94S	104.99E	48	4.5b		
NEIC	Less reliable solution.							
ISC	**II**	**21 16 07 47.0**±.90	**1.9S**±.15	**100.4E**±.21	**33**	**4.0b**	**9**	**4-84**
EIDC	II	21 16 07 43.7	2.0S	100.2E	0	3.9b		**¶97ii3096**
NEIC	II	21 16 07 46.8	1.68S	100.42E	33			
NEIC	Poor solution.							
ISC	**II**	**21 19 35 58**±3.1	**4.6S**±.18	**101.9E**±.28	**98**±20	**4.1b**	**19**	**1-146**
EIDC	II	21 19 35 48.2	4.7S	101.9E	0	4.2b		**¶97ii3110**
NEIC	II	21 19 35 58.8	4.62S	101.96E	100	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**03 11 39 18**±2.7	**2.9S**±.30	**102.2E**±.21	**125**±30	**4.3b**	**14**	**6-145**
EIDC	III	03 11 39 03.5	2.5S	102.2E	0	4.3b		**¶97iii0565**
NEIC	III	03 11 39 15.0	2.75S	102.23E	100	4.6b		
NEIC	Less reliable solution.							
EIDC	**III**	**03 18 54 15.2**	**5.0S**	**102.8E**	**0**	**3.7b**		**24-45**
								¶97iii0661
ISC	**III**	**14 12 30 13.6**±.95	**4.31S**±.068	**102.11E**±.071	**52**±7.9	**4.7b**,4.3s	**84**	**3-147**
EIDC	III	14 12 30 07.7	4.4S	102.0E	0	4.5b		**¶97iii2876**
BJI	III	14 12 30 10.6	4.47S	102.19E	37	4.9b,4.5s		
KLM	III	14 12 30 11	4.3S	102.0E	33	3.9L		
NEIC	III	14 12 30 11.4	4.39S	102.03E	33	4.7b,4.3s		
MOS	III	14 12 30 12.1	4.2S	102.3E	33	4.9b		
KLM	Mb4.7							
NEIC	Less reliable solution.							
ISC	**III**	**17 05 21 31**±3.2	**2.6S**±.13	**100.2E**±.17	**36**±25	**4.6b,4.4s**	**34**	**6-147**
EIDC	III	17 05 21 27.0	2.7S	100.1E	0	4.5b,3.9s		**¶97iii3325**
BJI	III	17 05 21 29.5	2.52S	100.36E	27	4.8b		
NEIC	III	17 05 21 30.3	2.58S	100.20E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**18 14 15 07**±2.2	**4.9S**±.40	**103.0E**±.34	**150**		**10**	**2-14**
								¶97iii3548
ISC	**III**	**18 20 43 00**±3.5	**5.3S**±.47	**104.7E**±.39	**150**		**5**	**0-3**
								¶97iii3589
ISC	**III**	**25 19 16 06**±1.3	**2.5S**±.20	**101.1E**±.26	**72**±12	**3.8b**	**17**	**5-144**
EIDC	III	25 19 16 00.0	2.5S	101.4E	0	3.8b		**¶97iii4773**
NEIC	III	25 19 16 01.3	2.51S	101.07E	33			
NEIC	Poor solution.							
ISC	**III**	**28 00 27 08.2**±.82	**5.2S**±.13	**102.3E**±.12	**42**±2.5*	**4.3b**,4.2s	**21**	**3-146**
NEIC	III	28 00 27 07.5	5.35S	102.25E	33	4.6b		**¶97iii5337**
EIDC	III	28 00 27 12.7	5.1S	102.9E	38	4.1b,4.2s		
NEIC	Less reliable solution.							
ISC	**III**	**30 07 28 05.0**±.83	**5.5S**±.15	**102.5E**±.10	**33**	**4.3b**	**20**	**3-146**
EIDC	III	30 07 28 02.9	4.8S	103.1E	0	4.1b		**¶97iii5717**
NEIC	III	30 07 28 04.6	5.59S	102.44E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**02 04 31 49**±3.4	**3.9S**±.48	**102.8E**±.27	**33**	**3.9b**	**12**	**3-144**
EIDC	IV	02 04 31 53.5	4.9S	103.1E	0	3.9b		**¶97iv0190**
EIDC	**IV**	**02 08 14 24.5**	**2.3S**	**99.3E**	**0**	**3.3b**		**21-145**
								¶97iv0211
ISC	**IV**	**02 11 25 35**±1.4	**5.8S**±.18	**102.8E**±.17	**33**	**3.8b**	**9**	**2-146**
EIDC	IV	02 11 25 34.3	5.6S	103.2E	0	3.8b		**¶97iv0238**
ISC	**IV**	**03 16 26 23**±1.1	**5.37S**±.049	**103.05E**±.060	**34**±9.8	**4.8b,4.4s**	**114**	**2-157**
BJI	IV	03 16 26 23.2	5.36S	103.11E	42	4.9b,4.7s		**¶97iv0452**
NEIC	IV	03 16 26 23.9	5.35S	103.19E	42	4.8b,4.4s		
KLM	IV	03 16 26 24	5.3S	103.1E	42	4.1L		
MOS	IV	03 16 26 24.6	5.2S	103.3E	39	5.3b		
EIDC	IV	03 16 26 25.7	5.4S	103.1E	42	4.6b,3.9s		
KLM	Mb4.8							
ISC	**IV**	**07 00 49 48**±1.6	**4.3S**±.10	**102.4E**±.11	**56**±13	**4.6b**,3.8s	**44**	**3-149**
BJI	IV	07 00 49 47.8	4.30S	102.47E	51	4.6b,4.6s		**¶97iv1082**
NEIC	IV	07 00 49 48.3	4.39S	102.30E	57	4.6b		
EIDC	IV	07 00 49 50.1	4.3S	102.4E	56	4.3b,3.6s		
MOS	IV	07 00 49 50.8	4.2S	102.5E	78	5.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**08 03 39 31.3**±.97	**0.3S**±.13	**100.2E**±.19	**79**±10	**4.0b**	**20**	**3-146**
NEIC	IV	08 03 39 26.0	0.39S	99.95E	33			**¶97iv1271**
KLM	IV	08 03 39 28	0.4S	99.9E	33			
EIDC	IV	08 03 39 29.2	0.4S	99.9E	44	3.8b		
NEIC	Single network solution.							
ISC	**IV**	**21 07 16 44**±1.3	**1.76S**±.079	**100.15E**±.085	**43**±10	**4.7b,3.8s**	**68**	**4-148**
BJI	IV	21 07 16 42.5	2.01S	100.23E	44	4.9b,4.6s		**¶97iv3421**
NEIC	IV	21 07 16 42.5	1.75S	100.05E	33	4.8b		
MOS	IV	21 07 16 42.9	1.7S	100.1E	33	5.3b		
EIDC	IV	21 07 16 45.0	1.8S	99.9E	40	4.5b,3.7s		
KLM	IV	21 07 16 48	1.7S	100.0E	33	4.1L		
KLM	Mb4.8							
EIDC	**IV**	**21 09 43 16.7**	**0.1S**	**98.3E**	**0**	**3.5b**		**2-144**
								¶97iv3441
ISC	**IV**	**22 05 55 58.4**±.56	**3.38S**±.026	**102.10E**±.028	**101**±5.2	**5.6b**	**442**	**4-165**
BJI	IV	22 05 55 57.2	3.54S	102.02E	101	5.9b		**¶97iv3652**
MOS	IV	22 05 55 58.6	3.3S	102.1E	98	6.1b		
KLM	IV	22 05 55 59	3.3S	102.1E	108	5.2L		
NEIC	IV	22 05 55 59.3	3.37S	102.14E	108	5.6b		
EIDC	IV	22 05 55 59.7	3.4S	102.1E	101	5.4b,4.5s		
HRVD	IV	22 05 56 03.9±.2	3.44S±.02	101.87E±.02	108±1.4			
KLM	Mb5.6							
NEIC	Mw5.9(GS), Mw5.9(HRV)							
NEIC	Felt at Bengkulu.							
NEIC	Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}2.59; $M_{\theta\theta}$−4.49; $M_{\phi\phi}$1.89; $M_{r\theta}$4.97; $M_{r\phi}$−2.15; $M_{\theta\phi}$−3.95. Depth 97km; Principal axes: T 7.71,Plg43°,Azm51°; N 0.08,Plg39°, Azm271°; P −7.79,Plg22°,Azm162°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S207°,δ42°, λ20°. NP2:ϕ_S102°,δ77°,λ130°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c98; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}1.57±.11; $M_{\theta\theta}$−3.23±.18; $M_{\phi\phi}$1.66±.21; $M_{r\theta}$5.41±.11; $M_{r\phi}$−1.98±.11; $M_{\theta\phi}$−3.23±.16. Principal Axes: T 7.25,Plg42°,Azm46°; N −0.16, Plg34°,Azm278°; P −7.09,Plg29°,Azm167°. Best double couple: $M_0$7.2×10^{17}Nm, NP1: ϕ_S205°,δ35°,λ13°. NP2:ϕ_S104°,δ82°,λ124°.							
NEIC	**V**	**02 08 28 57.0**	**2.68S**	**102.21E**	**33**	**4.5b**		**36-144**
EIDC	V	02 08 28 53.4	2.7S	102.1E	0	4.2b		**¶97v0230**
NEIC	Poor solution.							
EIDC	**V**	**09 20 54 56.7**	**5.6S**	**103.2E**	**0**	**3.8b**		**24-145**
								¶97v1487
ISC	**V**	**10 18 53 54**±1.0	**3.19S**±.037	**101.53E**±.036	**48**±9.1	**5.4b,5.1s**	**349**	**5-176**
EIDC	V	10 18 53 48.2	3.2S	101.4E	0	5.4b,4.5s		**¶97v1646**
BJI	V	10 18 53 52.0	3.24S	101.39E	34	5.3b,5.2s		
NEIC	V	10 18 53 52.6	3.15S	101.55E	33	5.5b,5.1s		
KLM	V	10 18 53 53	3.1S	101.5E	33	5.1L		
MOS	V	10 18 53 54.1	3.1S	101.6E	47	6.0b,4.9s		
HRVD	V	10 18 53 59.6±.3	3.60S±.04	101.15E±.04	35			
NEIC	Mw5.6(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c46; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}1.50±.07; $M_{\theta\theta}$−1.05±.10; $M_{\phi\phi}$−0.44±.10; $M_{r\theta}$1.58±.18; $M_{r\phi}$−1.27±.15; $M_{\theta\phi}$1.14±.09. Principal Axes: T 2.44,Plg65°,Azm41°; N 0.43, Plg1°,Azm308°; P −2.87,Plg25°,Azm218°. Best double couple: $M_0$2.7×10^{17}Nm, NP1: ϕ_S305°,δ20°,λ87°. NP2:ϕ_S129°,δ70°,λ91°.							
ISC	**V**	**12 13 36 52**±1.1	**4.43S**±.058	**102.98E**±.069	**89**±9.8	**4.6b**	**87**	**2-161**
EIDC	V	12 13 36 41.6	4.6S	102.6E	0	4.6b		**¶97v1967**
BJI	V	12 13 36 45.7	4.40S	102.90E	33	5.0b		
NEIC	V	12 13 36 45.7	4.45S	102.88E	33	4.9b		
MOS	V	12 13 36 45.8	4.4S	102.9E	33	5.2b		
KLM	V	12 13 36 46	4.4S	102.8E	33	4.2L		
EIDC	**V**	**12 16 46 54.6**	**4.7S**	**102.6E**	**0**	**3.7b**,2.8s		**23-60**
								¶97v2011
ISC	**V**	**18 22 14 14**±4.4	**1.92S**±.040	**99.68E**±.052	**8**±26	**5.0b,5.1s**	**229**	**5-158**
BJI	V	18 22 14 17.3	2.13S	99.71E	40	5.0b,5.4s		**¶97v3154**
MOS	V	18 22 14 17.8	1.9S	99.8E	33	5.6b,4.9s		
KLM	V	18 22 14 18	1.8S	99.7E	33	4.4L		
NEIC	V	18 22 14 18.0	1.87S	99.74E	33	5.0b,5.1s		
EIDC	V	18 22 14 19.0	1.9S	99.8E	29	4.7b,4.7s		
HRVD	V	18 22 14 21.9±.3	2.21S±.04	99.40E±.04	31			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c44; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.70±.03; $M_{\theta\theta}$−0.67±.04; $M_{\phi\phi}$−0.03±.05; $M_{r\theta}$1.00±.10; $M_{r\phi}$−0.69±.08; $M_{\theta\phi}$0.48±.04. Principal Axes: T 1.36,Plg62°,Azm41°; N 0.22, Plg4°,Azm303°; P −1.57,Plg28°,Azm210°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S289°,δ17°,λ75°. NP2:ϕ_S124°,δ73°,λ94°.							
EIDC	**V**	**26 00 57 25.7**	**4.7S**	**102.6E**	**0**	**3.9b**		**23-145**
								¶97v4348
ISC	**V**	**27 13 29 19**±1.5	**5.3S**±.16	**103.3E**±.16	**97**±12	**3.9b**	**22**	**2-145**
EIDC	V	27 13 29 09.4	5.4S	103.2E	0	4.0b		**¶97v4576**
EIDC	**V**	**30 10 21 05.6**	**1.0S**	**100.4E**	**37**	**3.2b**		**38-50**
								¶97v5021
ISC	**VI**	**02 04 48 40**±2.1	**5.46S**±.056	**102.63E**±.067	**2**±12	**4.8b,4.5s**	**90**	**5-157**
KLM	VI	02 04 48 45	5.3S	102.7E	39	4.1L		**¶97vi0181**
MOS	VI	02 04 48 45.3	5.3S	102.8E	33	5.3b		
NEIC	VI	02 04 48 45.4	5.36S	102.78E	39	4.8b		
BJI	VI	02 04 48 45.8	5.38S	102.65E	39	4.9b,4.7s		
EIDC	VI	02 04 48 47.2	5.4S	102.7E	36	4.5b,4.0s		
KLM	Mb4.8							
NEIC	Less reliable solution.							
ISC	**VI**	**02 08 01 32**±1.1	**4.67S**±.062	**103.27E**±.069	**72**±10	**4.8b**	**101**	**2-158**
MOS	VI	02 08 01 23.3	5.2S	103.4E	33	5.3b		**¶97vi0208**
BJI	VI	02 08 01 26.8	4.79S	103.07E	34	5.1b,5.2s		
KLM	VI	02 08 01 27	4.7S	103.1E	33	3.4L		
NEIC	VI	02 08 01 27.2	4.70S	103.20E	33	4.3b		
EIDC	VI	02 08 01 30.6	4.8S	103.1E	49	4.6b,3.5s		
KLM	Mb4.3							
NEIC	Less reliable solution.							
ISC	**VI**	**03 12 50 16**±2.5	**5.2S**±.14	**103.4E**±.23	**96**±20	**3.7b**	**14**	**2-145**
EIDC	VI	03 12 50 15.1	5.1S	103.4E	69	3.5b		**¶97vi0460**
ISC	**VI**	**06 21 32 05**±2.6	**1.7S**±.36	**100.3E**±.50	**51**±20	**3.5b**	**8**	**5-84**
EIDC	VI	06 21 31 59.0	2.0S	99.9E	0	3.5b		**¶97vi0998**
ISC	**VI**	**07 18 46 22**±1.1	**4.29S**±.055	**101.94E**±.069	**56**±9.9	**5.0b,4.4s**	**118**	**3-151**
BJI	VI	07 18 46 18.7	4.39S	101.84E	32	5.0b,4.8s		**¶97vi1131**
MOS	VI	07 18 46 19.0	4.3S	102.0E	33	5.3b		
KLM	VI	07 18 46 19	4.3S	101.8E	33	3.8L		
NEIC	VI	07 18 46 19.0	4.35S	101.84E	33	4.6b,4.4s		
EIDC	VI	07 18 46 21.4	4.3S	101.8E	36	4.7b,4.0s		
KLM	Mb4.6							
NEIC	Less reliable solution.							
ISC	**VI**	**10 01 41 19.6**±.76	**4.11S**±.048	**102.61E**±.051	**75**±6.8	**5.0b**	**150**	**0-158**
BJI	VI	10 01 41 13.2	4.36S	102.40E	34	5.1b,4.5s		**¶97vi1462**
NEIC	VI	10 01 41 14.5	4.17S	102.57E	33	4.9b		
MOS	VI	10 01 41 14.6	4.2S	102.6E	33	5.5b		
KLM	VI	10 01 41 15	4.1S	102.6E	33	4.2L		
EIDC	VI	10 01 41 18.7	4.2S	102.5E	58	4.8b,3.6s		
KLM	Mb4.9							
ISC	**VI**	**17 12 52 16**±1.3	**5.1S**±.17	**102.6E**±.19	**33**	**3.9b**	**12**	**3-145**
EIDC	VI	17 12 52 12.7	5.1S	102.6E	0	3.9b		**¶97vi2634**
NEIC	VI	17 12 52 15.9	5.09S	102.74E	33			
NEIC	Poor solution.							

ISC	**VI**	**22 06 22 56**±1.1	**3.2S**±.11	**101.8E**±.14	**65**±9.6	**4.1b**	**37**	**4-146**
EIDC	VI	22 06 22 48.8	3.3S	101.7E	0	4.2b,3.5s		¶97vi3336
NEIC	VI	22 06 22 51.9	3.26S	101.70E	33	4.6b		
MOS	VI	22 06 22 52.1	3.0S	101.9E	33	4.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**24 22 00 21**±3.5	**4.3S**±.14	**101.9E**±.17	**29**±24	**4.3b**	**26**	**4-145**
EIDC	VI	24 22 00 19.6	4.3S	102.0E	0	4.2b		¶97vi3790
BJI	VI	24 22 00 21.1	4.56S	101.56E	36	4.3b		
NEIC	VI	24 22 00 22.1	4.26S	101.93E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**26 05 08 07.2**±.90	**4.06S**±.037	**102.21E**±.047	**46**±8.1	**5.0b,4.7s**	**161**	**3-149**
BJI	VI	26 05 08 04.6	4.24S	102.14E	33	5.1b,5.0s		¶97vi4086
KLM	VI	26 05 08 05	4.1S	102.1E	33	4.5L		
MOS	VI	26 05 08 05.5	4.0S	102.2E	33	5.4b,4.6s		
NEIC	VI	26 05 08 05.5	4.09S	102.15E	33	5.1b,4.6s		
EIDC	VI	26 05 08 08.5	4.1S	102.2E	48	4.8b,4.6s		
KLM	Mb5.1							
ISC	**VI**	**26 19 18 18**±3.7	**2.1S**±.13	**99.7E**±.22	**30**±24	**4.2b**,3.6s	**22**	**5-145**
EIDC	VI	26 19 18 17.4	2.0S	100.1E	0	4.2b,3.6s		¶97vi4191
BJI	VI	26 19 18 18.4	2.08S	99.59E	38	4.6b		
NEIC	VI	26 19 18 19.7	1.89S	99.93E	33	4.2b		
KLM	VI	26 19 18 20	1.9S	99.9E	33	3.3L		
NEIC	Poor solution.							
KLM	Mb4.2							

(275) Java Sea.

EIDC	**I**	**08 12 38 24.2**	**0.1S**	**106.0E**	**0**	**3.6b**		**34-139**
								¶97i1060
EIDC	**I**	**09 08 11 45.4**	**5.1S**	**117.4E**	**0**	**3.4b**		**22-35**
								¶97i1190
ISC	**I**	**19 02 27 13.7**±.40	**5.05S**±.035	**108.38E**±.041	**653**±5.8	**4.8b**	**251**	**2-162**
BJI	I	19 02 27 12.8	5.09S	108.40E	642	5.2b		¶97i2764
MOS	I	19 02 27 13.3	4.9S	108.6E	650	5.2b		
NEIC	I	19 02 27 13.6	5.03S	108.40E	651	5.1b		
EIDC	I	19 02 27 13.6	5.1S	108.3E	633	4.3b		
KLM	I	19 02 27 14	6.0S	108.4E	651	4.5L		
HRVD	I	19 02 27 16.1±.4	5.13S±.03	108.42E±.04	647±2.7			
NEIC	Mw5.5(HRV).							
KLM	Mb5.1							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s32,c46; Half duration: 1^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.77±.06; $M_{\theta\theta}$0.84±.08; $M_{\phi\phi}$0.92±.11; $M_{r\theta}$−0.61±.07; $M_{r\phi}$−0.65±.09; $M_{\theta\phi}$−0.42±.08. Principal Axes: T 1.30,Plg2°,Azm50°; N 0.78, Plg19°,Azm140°; P −2.08,Plg71°,Azm314°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_s121°,δ46°,λ−117°. NP2:ϕ_s337°,δ50°,λ−65°.

EIDC	**I**	**30 00 19 51.4**	**4.9S**	**112.8E**	**0**	**4.1b**		**26-38**
								¶97i4419
ISC	**IV**	**04 18 41 21**±3.5	**5.8S**±.33	**115.4E**±.38	**250**	3.6b	**10**	**2-25**
								¶97iv0646
ISC	**V**	**10 21 14 13.1**±.44	**5.78S**±.046	**110.63E**±.054	**560**±6.9	**4.8b**	**79**	**3-150**
MOS	V	10 21 14 10.9	5.6S	110.8E	536	4.9b		¶97v1664
BJI	V	10 21 14 16.1	5.90S	110.70E	600	4.9b		
NEIC	V	10 21 14 16.1	5.91S	110.68E	600	5.0b		
ISC	**V**	**30 08 34 43**±5.5	**4.4S**±.69	**111.8E**±.12	**33**	**3.9b**	**8**	**5-148**
								¶97v5006
ISC	**VI**	**01 11 19 21**±1.0	**4.81S**±.091	**107.0E**±.14	**469**±12	**3.9b**	**29**	**2-148**
NEIC	VI	01 11 19 14.6	4.83S	106.97E	400			¶97vi0068
EIDC	VI	01 11 19 19.7	4.9S	107.1E	438	3.5b		
NEIC	Less reliable solution.							
ISC	**VI**	**11 04 50 33.6**±.52	**5.89S**±.073	**109.09E**±.064	**328**±6.5	**3.9b**	**48**	**2-158**
NEIC	VI	11 04 50 35.7	5.88S	109.09E	350	3.9b		¶97vi1621
EIDC	VI	11 04 50 37.4	5.9S	109.1E	351	3.6b		
EIDC	**VI**	**17 11 44 58.1**	**5.2S**	**108.2E**	**0**	**4.0b**		**2-81**
								¶97vi2612

(276) Sunda Strait.

ISC	**I**	**09 07 27 54**±2.8	**6.2S**±.18	**105.2E**±.17	**108**±26	**4.3b**	**36**	**7-148**
EIDC	I	09 07 27 41.2	6.3S	104.9E	0	4.2b		¶97i1184
NEIC	I	09 07 27 53.4	6.10S	105.25E	100	4.6b		
NEIC	Less reliable solution.							
ISC	**I**	**10 18 32 47**±1.4	**5.83S**±.047	**105.66E**±.054	**87**±13	**4.7b**	**146**	**7-157**
EIDC	I	10 18 32 37.4	6.0S	105.5E	0	4.7b		¶97i1406
BJI	I	10 18 32 39.5	6.28S	105.05E	30	4.7b,5.0s		
NEIC	I	10 18 32 41.5	5.89S	105.58E	33	5.0b		
MOS	I	10 18 32 46.5	4.9S	105.3E	33	5.4b		
EIDC	**I**	**10 18 41 03.8**	**6.4S**	**104.8E**	**0**	**3.6b**		**3-66**
								¶97i1408
EIDC	**II**	**19 21 11 44.1**	**6.4S**	**105.1E**	**0**	**4.3b**		**3-92**
								¶97ii2837
ISC	**III**	**17 08 05 50.6**±.62	**6.66S**±.029	**105.48E**±.031	**51**±5.4	**5.8b,6.2s**	**533**	**0-178**
EIDC	III	17 08 05 44.1	6.7S	105.3E	0	5.7b,6.2s		¶97iii3340
BJI	III	17 08 05 47.4	6.86S	105.25E	38	5.8b,6.3s		
NEIC	III	17 08 05 48.4	6.61S	105.51E	33	5.8b,6.2s		
MOS	III	17 08 05 49.3	6.5S	105.6E	33	6.5b,6.0s		
HRVD	III	17 08 05 56.7±.1	7.27S±.01	105.41E±.01	43±.4			
NEIC	Mw6.4(HRV), Me6.2(GS). Damage.							
NEIC	Radiated energy from the P−wave first−motion solution: 4.1±0.9×10^{13}Nm/17							
NEIC	Mw 6.3 (GS). Some minor damage at Jakarta, Indonesia. Felt throughout western Jawa and in southern Sumatera, Indonesia.							
NEIC	Moment tensor solution: s29, scale 10^{18}Nm; M_{rr}2.91; $M_{\theta\theta}$−2.10; $M_{\phi\phi}$−0.81; $M_{r\theta}$1.85; $M_{r\phi}$0.02; $M_{\theta\phi}$0.39. Depth 37km; Principal axes: T 3.53,Plg72°,Azm354°; N −0.75,Plg5°, Azm99°; P −2.78,Plg18°,Azm191°. Best double couple: $M_0$3.2×10^{18}Nm; NP1:ϕ_s289°,δ28°, λ101°. NP2:ϕ_s97°,δ63°,λ84°.							
NEIC	Broadband full plane solution: P waves. NP1:ϕ_s310°,δ20°,λ120°. NP2:ϕ_s98°,δ73°,λ80°. Principal axes: T Plg61°,Azm353°; P Plg27°,Azm197°. Complex earthquake, with a small event followed by a much larger one about 2 seconds later. Depth from synthetics of broadband displacement seismograms, based on second event.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c112; Mantle waves: s51,c81; Half duration: 3^{s}8. Moment tensor: Scale 10^{18}Nm; M_{rr}3.09±.03; $M_{\theta\theta}$−2.88±.02; $M_{\phi\phi}$−0.22±.02; $M_{r\theta}$2.74±.05; $M_{r\phi}$−0.45±.05; $M_{\theta\phi}$1.11±.02. Principal Axes: T 4.16,Plg69°,Azm1°; N 0.14,Plg6°,Azm105°; P −4.30,Plg20°,Azm197°. Best double couple: $M_0$4.2×10^{18}Nm, NP1:ϕ_s298°,δ25°,λ103°. NP2:ϕ_s103°,δ66°,λ84°.							
ISC	**III**	**19 07 25 35**±1.6	**6.9S**±.15	**105.3E**±.14	**60**±12	**4.3b**	**34**	**0-152**
EIDC	III	19 07 25 29.0	6.9S	105.2E	0	4.3b,3.6s		¶97iii3658
NEIC	III	19 07 25 32.0	6.77S	105.36E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**19 16 44 53**±5.8	**6.8S**±.40	**105.3E**±.35	**33**		**5**	**0-2**
								¶97iii3733
ISC	**III**	**20 07 08 58**±6.9	**6.8S**±.44	**105.3E**±.43	**30**±17		**5**	**0-2**
ISC	Poorly determined							¶97iii3860
ISC	**III**	**20 13 31 08**±1.9	**6.1S**±.15	**105.3E**±.21	**33**		**6**	**1-2**
								¶97iii3900
ISC	**IV**	**01 18 00 18**±8.0	**6.9S**±.44	**105.2E**±.43	**29**±22		**6**	**0-2**
								¶97iv0119
ISC	**IV**	**04 13 50 09**±1.6	**6.7S**±.36	**105.8E**±.21	**150**		**5**	**0-2**
								¶97iv0619
ISC	**IV**	**25 01 09 21**±1.3	**6.38S**±.054	**105.24E**±.052	**41**±12	**4.7b,3.6s**	**91**	**2-157**
BJI	IV	25 01 09 12.1	7.40S	105.31E	33	4.7b		¶97iv4248
MOS	IV	25 01 09 19.7	6.5S	105.2E	33	5.1b		
NEIC	IV	25 01 09 19.9	6.45S	105.25E	33	4.8b		
EIDC	IV	25 01 09 21.4	6.5S	105.2E	34	4.4b,3.6s		
ISC	**V**	**03 22 53 58**±1.9	**6.71S**±.070	**105.49E**±.079	**75**±17	**4.6b**	**72**	**2-156**
EIDC	V	03 22 53 49.4	6.8S	105.3E	0	4.6b,3.8s		¶97v0511
BJI	V	03 22 53 53.1	6.80S	105.40E	33	4.8b		
NEIC	V	03 22 53 53.1	6.76S	105.43E	33	4.9b		
MOS	V	03 22 53 53.2	6.7S	105.5E	33	5.0b		
ISC	**VI**	**21 02 00 50**±1.6	**6.06S**±.097	**104.0E**±.13	**86**±12	**4.2b**	**35**	**1-145**
EIDC	VI	21 02 00 41.0	6.1S	103.8E	0	4.3b,4.0s		¶97vi3137
BJI	VI	21 02 00 50.5	6.13S	103.93E	98	4.7b		
NEIC	VI	21 02 00 51.8	5.95S	104.01E	100	4.3b		
NEIC	Less reliable solution.							

(277) Java.

EIDC	**I**	**26 06 23 35.2**	**7.1S**	**106.0E**	**0**	**4.3b**		**30-48**
								¶97i3896
ISC	**I**	**26 08 57 41**±1.2	**7.4S**±.11	**110.83E**±.097	**134**±13	**4.4b**	**26**	**2-156**
BJI	I	26 08 57 43.1	7.30S	110.90E	150	4.5b		¶97i3914
NEIC	I	26 08 57 43.1	7.28S	110.93E	150	4.7b		
EIDC	I	26 08 57 45.9	7.3S	110.9E	166	4.1b,3.7s		
NEIC	Less reliable solution.							
ISC	**I**	**26 10 22 53**±2.0	**6.3S**±.27	**112.4E**±.14	**33**	**3.7b**	**5**	**1-37**
EIDC	I	26 10 23 27.5	10.2S	113.7E	55	3.5b		¶97i3928
ISC	**I**	**26 18 36 37**±2.6	**7.4S**±.12	**106.6E**±.13	**76**±23	**4.3b**	**32**	**5-146**
EIDC	I	26 18 36 28.9	7.5S	106.6E	0	4.4b,3.4s		¶97i3980
NEIC	I	26 18 36 34.2	7.48S	106.54E	50	4.5b		
BJI	I	26 18 36 38.6	6.95S	105.95E	49			
NEIC	Less reliable solution.							
EIDC	**I**	**30 19 29 17.9**	**7.1S**	**111.6E**	**0**	**3.9b**		**4-37**
								¶97i4533
ISC	**II**	**08 05 19 41.3**±.65	**7.8S**±.10	**108.39E**±.062	**89**±6.4	**4.2b**	**41**	**1-143**
EIDC	II	08 05 19 31.6	7.9S	108.1E	0	4.3b,3.5s		¶97ii1099
NEIC	II	08 05 19 34.8	7.86S	108.15E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**II**	**10 05 00 27.2**±.65	**7.15S**±.091	**106.85E**±.068	**89**±5.6	**4.4b**	**52**	**1-156**
BJI	II	10 05 00 21.1	7.11S	106.80E	34	4.9b		¶97ii1414
NEIC	II	10 05 00 21.2	7.18S	106.79E	33	4.6b		
EIDC	II	10 05 00 25.4	7.2S	106.8E	61	4.2b,3.6s		
ISC	**II**	**11 17 09 07.6**±.92	**8.1S**±.15	**108.67E**±.091	**113**±9.3	**4.0b**	**20**	**2-91**
EIDC	II	11 17 08 58.1	7.8S	109.2E	0	4.0b		¶97ii1648
NEIC	II	11 17 09 02.0	7.46S	109.57E	33			
NEIC	Poor solution.							
ISC	**II**	**14 07 38 12.1**±.94	**6.4S**±.40	**110.8E**±.14	**585**±23	**3.5b**	**14**	**2-79**
EIDC	II	14 07 37 52.0	8.0S	111.2E	434	3.3b		¶97ii2038
ISC	**II**	**26 05 56 45.8**±.62	**8.50S**±.094	**112.55E**±.064	**103**±7.7	**4.1b**	**35**	**1-155**
EIDC	II	26 05 56 34.8	8.6S	112.4E	0	4.3b,3.4s		¶97ii3747
NEIC	II	26 05 56 45.0	8.60S	112.43E	96	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**05 00 18 40.7**±.79	**8.06S**±.052	**107.32E**±.047	**68**±7.1	**4.7b**	**93**	**1-146**
MOS	III	05 00 18 36.9	8.0S	107.3E	33	5.0b		¶97iii0948
BJI	III	05 00 18 37.0	8.00S	107.30E	33	4.9b,4.8s		
NEIC	III	05 00 18 37.0	8.02S	107.29E	33	4.8b,4.4s		
EIDC	III	05 00 18 37.3	8.0S	107.3E	23	4.5b,4.3s		
ISC	**III**	**05 03 23 29**±1.3	**7.9S**±.25	**108.0E**±.11	**70**±17	**3.8b**	**17**	**1-143**
NEIC	III	05 03 23 31.3	7.64S	108.19E	100			¶97iii0971
EIDC	III	05 03 23 43.7	7.8S	108.1E	196	3.5b		
NEIC	Poor solution.							
ISC	**III**	**17 08 40 30**±4.2	**7.2S**±.21	**105.1E**±.30	**33**		**10**	**1-11**
								¶97iii3348
ISC	**III**	**19 17 16 54**±7.6	**7.3S**±.47	**105.3E**±.41	**33**		**6**	**1-118**
								¶97iii3736
ISC	**III**	**19 21 51 48**±1.2	**7.9S**±.13	**106.6E**±.17	**100**	**3.7b**	**14**	**1-144**
NEIC	III	19 21 51 43.9	7.11S	106.60E	100			¶97iii3770
EIDC	III	19 21 51 49.3	7.0S	106.7E	128	3.4b		
NEIC	Poor solution.							
ISC	**III**	**20 13 54 55**±3.3	**7.19S**±.093	**105.34E**±.095	**29**±23	**4.5b,4.5s**	**59**	**1-148**
EIDC	III	20 13 54 53.2	7.1S	105.6E	0	4.4b		¶97iii3904
BJI	III	20 13 54 55.5	7.09S	105.65E	32	4.6b,4.8s		
NEIC	III	20 13 54 57.1	6.88S	105.63E	33	4.6b		
MOS	III	20 13 54 59.1	6.7S	105.8E	33	5.2b		
NEIC	Less reliable solution.							
ISC	**III**	**21 02 37 35**±6.0	**7.0S**±.40	**105.6E**±.32	**26**±19		**6**	**0-2**
								¶97iii3986
ISC	**III**	**21 08 46 52**±9.8	**7.2S**±.58	**105.5E**±.43	**27**±28		**5**	**0-2**
ISC	Poorly determined							¶97iii4041
ISC	**III**	**25 05 55 42.0**±.62	**7.78S**±.054	**107.99E**±.047	**76**±6.0	**4.5b**	**110**	**1-156**
EIDC	III	25 05 55 39.6	7.7S	108.0E	45	4.4b,4.3s		¶97iii4679
MOS	III	25 05 55 40.6	7.7S	108.0E	63	5.0b		
NEIC	III	25 05 55 42.1	7.73S	108.04E	76	4.7b		
BJI	III	25 05 55 42.4	7.91S	107.96E	88	4.7b,4.6s		
ISC	**III**	**26 00 32 38.5**±.67	**7.79S**±.090	**108.01E**±.063	**83**±6.4	**4.3b**	**58**	**1-152**
EIDC	III	26 00 32 36.6	7.7S	108.1E	49	4.2b		¶97iii4818
MOS	III	26 00 32 37.9	7.7S	108.1E	81	4.8b		
NEIC	III	26 00 32 40.7	7.70S	108.17E	100	4.8b		
NEIC	Less reliable solution.							
ISC	**III**	**30 19 42 29**±1.5	**6.4S**±.20	**111.76E**±.076	**33**		**10**	**1-7**
								¶97iii5793
ISC	**III**	**30 21 24 39**±2.2	**8.5S**±.23	**107.1E**±.15	**33**		**9**	**1-9**
								¶97iii5809
ISC	**IV**	**11 12 32 11.8**±.77	**9.00S**±.097	**110.61E**±.069	**33**	**4.1b**	**22**	**2-142**
EIDC	IV	11 12 32 06.4	9.0S	110.4E	0	4.2b,3.5s		¶97iv1898
NEIC	IV	11 12 32 09.1	8.92S	110.32E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 23 17 06.2**±.83	**8.8S**±.13	**111.24E**±.061	**76**±13	**3.8b**	**22**	**3-146**
EIDC	IV	14 23 16 55.7	9.8S	110.2E	0	4.0b,3.0s		¶97iv2525
NEIC	IV	14 23 16 57.9	9.71S	110.12E	33	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**24 21 59 15**±1.2	**7.4S**±.11	**107.34E**±.094	**91**±10	**4.3b**	**37**	**1-147**
EIDC	IV	24 21 59 04.6	7.6S	107.0E	0	4.4b,3.7s		¶97iv4217
NEIC	IV	24 21 59 16.8	7.51S	107.42E	100	4.1b		
NEIC	Less reliable solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**27 11 53 06.8**±.74	**6.5S**±.17	**106.4E**±.15	**33**	**4.1b**,3.2s	**15**	**1-144**
NEIC	IV	27 11 53 06.8	6.33S	106.60E	33			¶97iv4719
EIDC	IV	27 11 53 07.4	6.5S	106.4E	24	4.1b,3.0s		
NEIC	Poor solution.							
ISC	**IV**	**30 21 44 10**±2.5	**7.8S**±.12	**109.2E**±.16	**107**±22	**4.0b**	**31**	**2-150**
EIDC	IV	30 21 43 57.9	7.8S	109.0E	0	4.3b,3.4s		¶97iv5271
NEIC	IV	30 21 44 09.2	7.83S	109.20E	100	4.2b		
ISC	**V**	**10 17 43 26**±1.6	**6.77S**±.052	**106.01E**±.064	**68**±15	**4.7b**	**120**	**2-156**
BJI	V	10 17 43 15.2	7.71S	106.07E	33	4.8b,4.6s		¶97v1635
EIDC	V	10 17 43 18.5	6.9S	105.8E	0	4.8b,3.5s		
NEIC	V	10 17 43 22.3	6.80S	105.94E	33	4.9b		
MOS	V	10 17 43 23.6	6.8S	106.0E	42	5.2b		
ISC	**V**	**20 22 47 51**±1.4	**7.3S**±.45	**112.8E**±.20	**33**		**5**	**2-8**
								¶97v3474
EIDC	**V**	**25 05 29 54.7**	**6.6S**	**108.0E**	**0**	**3.9b**		**0-40**
								¶97v4222
ISC	**VI**	**11 16 42 24.9**±.63	**6.9S**±.14	**106.91E**±.093	**130**±7.1	**3.9b**	**20**	**1-76**
EIDC	VI	11 16 42 12.4	7.2S	106.7E	0	4.1b		¶97vi1723
NEIC	VI	11 16 42 17.2	7.10S	106.79E	50			
NEIC	Poor solution.							
ISC	**VI**	**22 03 07 12.6**±.70	**5.8S**±.13	**107.4E**±.15	**292**±7.8	**3.6b**	**13**	**1-89**
EIDC	VI	22 03 06 42.9	6.1S	106.8E	0	4.0b		¶97vi3317
NEIC	VI	22 03 06 52.9	6.03S	106.99E	100			
NEIC	Single network solution.							
ISC	**VI**	**23 06 33 11.0**±.70	**8.2S**±.17	**111.72E**±.074	**133**±13	**3.9b**	**18**	**1-82**
EIDC	VI	23 06 34 14.1	9.7S	114.4E	654	2.9b		¶97vi3488

(278) Bali Sea.

EIDC	**I**	**12 21 05 24.1**	**6.6S**	**116.0E**	**0**	**3.3b**		**4-35**
								¶97i1742
EIDC	**I**	**24 06 25 57.7**	**6.2S**	**117.3E**	**0**	**3.6b**		**21-34**
								¶97i3609
ISC	**II**	**03 22 20 27.1**±.59	**7.80S**±.080	**117.24E**±.065	**33**	**3.7b**	**13**	**1-73**
EIDC	II	03 22 20 23.1	8.5S	116.5E	0	3.5b		¶97ii0431
NEIC	II	03 22 20 25.5	8.23S	116.73E	33	3.7b		
NEIC	Poor solution.							
ISC	**II**	**04 06 10 28.6**±.51	**7.93S**±.090	**115.00E**±.080	**211**±4.9	**4.3b**	**38**	**0-151**
NEIC	II	04 06 10 27.8	7.83S	115.14E	204	4.6b		¶97ii0473
EIDC	II	04 06 10 32.7	7.8S	115.3E	231	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**15 12 11 16.0**±.38	**7.81S**±.027	**117.50E**±.030	**286**±4.1	**5.4b**	**312**	**2-156**
BJI	II	15 12 11 13.6	8.00S	117.53E	275	5.6b		¶97ii2229
NEIC	II	15 12 11 14.7	7.78S	117.41E	274	5.6b		
MOS	II	15 12 11 15.9	7.7S	117.5E	283	5.9b		
EIDC	II	15 12 11 16.2	7.8S	117.4E	274	5.1b		
HRVD	II	15 12 11 20.7±.2	7.81S±.02	117.51E±.03	283±1.1			
NEIC	Mw5.6(GS), Me5.2(GS).							
NEIC	Mw 5.6 (HRV). Depth from broadband displacement seismograms.							
NEIC	Radiated energy from the USGS moment tensor solution: $1.2\pm0.2\times10^{12}$Nm/14							
NEIC	Moment tensor solution: s20, scale 10^{17}Nm; M_{rr}2.09; $M_{\theta\theta}$−0.85; $M_{\phi\phi}$−1.24; $M_{r\theta}$1.96; $M_{r\phi}$0.77; $M_{\theta\phi}$−0.47. Depth 276km; Principal axes: T 3.13,Plg64°,Azm345°; N −0.76,Plg10°, Azm235°; P −2.37,Plg24°,Azm141°. Best double couple: $M_0$2.8×10^{17}Nm; NP1:ϕ_S211°,δ22°, λ64°. NP2:ϕ_S59°,δ70°,λ100°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c67; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.93±.05; $M_{\theta\theta}$−1.60±.07; $M_{\phi\phi}$−0.33±.09; $M_{r\theta}$2.10±.07; $M_{r\phi}$0.55±.08; $M_{\theta\phi}$−0.14±.08. Principal Axes: T 2.97,Plg64°,Azm342°; N −0.34, Plg3°,Azm79°; P −2.63,Plg25°,Azm170°. Best double couple: $M_0$2.8×10^{17}Nm, NP1:ϕ_S267°, δ20°,λ99°. NP2:ϕ_S78°,δ70°,λ87°.							
ISC	**II**	**23 10 40 27.6**±.86	**7.6S**±.18	**117.27E**±.096	**300**	**4.0b**	**14**	**1-39**
EIDC	II	23 10 39 59.4	7.5S	117.1E	0	4.2b		¶97ii3318
NEIC	II	23 10 40 35.4	7.59S	117.26E	401	4.1b		
NEIC	Poor solution.							
ISC	**III**	**03 18 06 40.7**±.20	**7.86S**±.035	**117.61E**±.051	**47**	**5.0b,4.4s**	**132**	**10-156**
NEIC	III	03 18 06 38.7	7.84S	117.64E	33	5.1b		¶97iii0656
MOS	III	03 18 06 38.9	7.8S	117.7E	33	5.4b		
EIDC	III	03 18 06 42.4	7.9S	117.7E	47	4.6b,4.3s		
BJI	III	03 18 06 43.7	7.80S	117.60E	33	4.9b,4.9s		
HRVD	III	03 18 06 46.0±.1	7.50S±.01	117.82E±.02	47±1.2			
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c15; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}1.06±1.10; $M_{\theta\theta}$−5.72±.89; $M_{\phi\phi}$4.66±1.93; $M_{r\theta}$1.04±1.49; $M_{r\phi}$−1.61±1.35; $M_{\theta\phi}$0.54±.79. Principal Axes: T 5.28,Plg21°,Azm91°; N 0.66, Plg67°,Azm297°; P −5.94,Plg9°,Azm184°. Best double couple: $M_0$5.6×10^{16}Nm, NP1: ϕ_S229°,δ68°,λ9°. NP2:ϕ_S136°,δ82°,λ158°.							
ISC	**V**	**10 15 21 24.3**±.93	**7.6S**±.31	**115.2E**±.31	**306**±11	**3.7b**	**10**	**0-34**
EIDC	V	10 15 20 54.8	8.3S	114.3E	0	4.0b		¶97v1623

(279) Flores Sea.

ISC	**I**	**04 09 59 06.9**±.46	**7.10S**±.036	**122.69E**±.052	**580**±7.4	**4.7b**	**158**	**3-156**
NEIC	I	04 09 59 06.7	7.12S	122.61E	579	5.1b		¶97i0519
EIDC	I	04 09 59 07.3	7.2S	122.8E	567	4.1b		
BJI	I	04 09 59 07.4	7.08S	122.62E	593	4.8b		
MOS	I	04 09 59 09.7	6.6S	122.3E	580	4.7b		
HRVD	I	04 09 59 09.8±2.1	7.11S±.16	122.48E±.12	584±6.8			
NEIC	Mw5.3(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c17; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.64±.77; $M_{\theta\theta}$5.01±1.02; $M_{\phi\phi}$−0.37±1.65; $M_{r\theta}$−1.74±.75; $M_{r\phi}$8.28±1.48; $M_{\theta\phi}$−1.95±1.02. Principal Axes: T 8.2,Plg29°,Azm224°; N 2.9, Plg22°,Azm327°; P −11.1,Plg52°,Azm89°. Best double couple: $M_0$9.6×10^{16}Nm, NP1: ϕ_S270°,δ26°,λ−150°. NP2:ϕ_S152°,δ77°,λ−67°.							
ISC	**I**	**13 06 51 04**±1.2	**8.0S**±.13	**122.7E**±.14	**236**±13	**4.0b**	**27**	**2-88**
NEIC	I	13 06 51 04.8	8.05S	122.59E	250	4.7b		¶97i1791
EIDC	I	13 06 51 07.8	8.0S	122.7E	256	3.7b		
NEIC	Less reliable solution.							
EIDC	**I**	**14 19 16 47.7**	**7.0S**	**122.7E**	**244**	4.2L,3.7b		**17-30**
								¶97i2043
EIDC	**I**	**15 10 49 44.3**	**7.1S**	**119.0E**	**0**	3.5b,3.6L		**3-32**
								¶97i2140
EIDC	**I**	**17 10 41 06.8**	**7.0S**	**119.7E**	**0**	3.7b,4.2L		**19-32**
								¶97i2430
ISC	**I**	**28 05 04 37**±2.3	**7.5S**±.13	**120.9E**±.15	**601**±41	**4.3b**	**18**	**12-112**
NEIC	I	28 05 04 36.6	7.49S	120.90E	600	4.8b		¶97i4168
EIDC	I	28 05 04 38.2	7.5S	121.0E	598	3.5b		
NEIC	Less reliable solution.							
EIDC	**II**	**10 18 48 19.1**	**7.2S**	**119.6E**	**0**	3.7b,4.0L		**19-32**
								¶97ii1501
ISC	**II**	**14 14 05 43.2**±.46	**7.68S**±.034	**119.55E**±.047	**282**±5.3	**4.7b**	**110**	**2-155**
BJI	II	14 14 05 41.7	7.83S	119.64E	279	5.0b		¶97ii2061
MOS	II	14 14 05 42.5	7.7S	119.5E	285	4.9b		
NEIC	II	14 14 05 43.0	7.67S	119.52E	281	4.8b		
EIDC	II	14 14 05 45.8	7.7S	119.6E	293	4.2b		
ISC	**III**	**05 22 55 00.9**±.49	**7.30S**±.071	**121.10E**±.074	**555**±7.1	**4.1b**	**41**	**4-155**
NEIC	III	05 22 54 57.2	7.29S	120.97E	500	4.8b		¶97iii1144
EIDC	III	05 22 54 59.9	7.4S	121.1E	519	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**18 09 10 18**±10	**7.7S**±.98	**122.9E**±.20	**33**	4.5b	**7**	**10-24**
								¶97iii3514
ISC	**IV**	**13 03 17 17.4**±.67	**7.29S**±.051	**120.24E**±.084	**401**±9.2	**4.3b**	**47**	**5-155**
NEIC	IV	13 03 17 12.7	7.20S	120.15E	350	4.5b		¶97iv2178
MOS	IV	13 03 17 13.1	7.2S	120.2E	354	4.2b		
BJI	IV	13 03 17 15.8	6.78S	120.61E	346	4.2b		
EIDC	IV	13 03 17 16.5	7.3S	120.3E	370	4.1b		
ISC	**IV**	**22 01 03 24**±1.3	**6.8S**±.28	**122.4E**±.37	**33**	4.0b,3.5s	**8**	**12-111**
EIDC	IV	22 01 03 21.3	6.6S	122.6E	0	4.0b,4.0L		¶97iv3611
NEIC	IV	22 01 03 23.8	6.82S	122.44E	33	3.7b		
NEIC	Poor solution.							
EIDC	**V**	**04 17 23 22.8**	**7.6S**	**120.8E**	**181**	3.5b		**5-31**
								¶97v0669
ISC	**V**	**17 13 29 28**±6.8	**7.9S**±.85	**120.0E**±.54	**201**±60	3.6b	**7**	**4-31**
EIDC	V	17 13 29 13.5	9.0S	119.2E	0	3.4b,3.7L		¶97v2936
ISC	**V**	**28 14 36 05**±1.4	**7.2S**±.32	**120.7E**±.34	**543**±43	4.1b	**9**	**3-31**
EIDC	V	28 14 34 37.4	3.8S	117.1E	0	4.2b		¶97v4737
ISC	**VI**	**02 14 27 57**±2.1	**7.9S**±.33	**118.2E**±.17	**230**±27	**4.3b**	**11**	**3-32**
EIDC	VI	02 14 27 25.4	7.5S	116.9E	0	4.3b		¶97vi0251
ISC	**VI**	**02 16 42 30.6**±.47	**7.27S**±.049	**122.92E**±.092	**606**±8.7	**4.1b**	**56**	**4-154**
NEIC	VI	02 16 42 26.6	7.16S	122.96E	550	3.8b		¶97vi0270
BJI	VI	02 16 42 27.8	7.23S	122.77E	553	4.5b		
EIDC	VI	02 16 42 30.8	7.2S	123.0E	583	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**21 18 55 35.7**±.46	**7.40S**±.061	**120.10E**±.076	**435**±6.9	**3.8b**	**31**	**2-155**
NEIC	VI	21 18 55 36.4	7.36S	120.27E	440	4.5b		¶97vi3266
EIDC	VI	21 18 55 37.0	7.4S	120.4E	424	3.4b		

(280) Banda Sea.

ISC	**I**	**01 22 43 32.1**±.93	**5.99S**±.044	**129.67E**±.094	**176**±11	**4.3b**	**38**	**5-152**
NEIC	I	01 22 43 32.3	5.98S	129.66E	177	5.0b		¶97i0132
EIDC	I	01 22 43 34.1	6.1S	129.6E	176	3.9b		
ISC	**I**	**02 09 47 55.6**±.64	**4.2S**±.14	**128.1E**±.29	**33**	**3.8b**,3.1s	**11**	**17-92**
EIDC	I	02 09 47 52.8	4.1S	128.4E	0	3.9b,3.6L		¶97i0185
NEIC	I	02 09 47 55.3	4.17S	128.26E	33	3.9b		
NEIC	Poor solution.							
ISC	**I**	**02 10 22 10**±10	**7.2S**±.84	**129.9E**±.27	**150**		**6**	**6-19**
NEIC	I	02 10 21 56.7	6.22S	129.74E	100	4.1b		¶97i0190
NEIC	Poor solution.							
ISC	**I**	**02 14 26 47**±1.5	**7.25S**±.083	**124.4E**±.11	**581**±26	**4.0b**	**42**	**9-154**
NEIC	I	02 14 26 40.7	7.03S	124.12E	500	4.8b		¶97i0223
EIDC	I	02 14 26 46.4	7.2S	124.5E	550	3.2b		
NEIC	Less reliable solution.							
ISC	**I**	**03 21 06 31**±1.7	**5.5S**±.31	**127.4E**±.74	**33**	3.7b	**6**	**9-66**
EIDC	I	03 21 06 29.6	5.1S	129.2E	0	3.8b,3.9L		¶97i0428
ISC	**I**	**04 04 04 48**±3.5	**8.0S**±.34	**128.7E**±.12	**175**±15	**4.4b**	**13**	**5-32**
NEIC	I	04 04 04 48.5	8.04S	128.66E	174	4.5b		¶97i0477
NEIC	Less reliable solution.							
ISC	**I**	**04 12 00 26**±1.2	**6.49S**±.093	**130.8E**±.29	**33**		**6**	**6-20**
								¶97i0535
ISC	**I**	**04 13 29 31.2**±.76	**7.37S**±.031	**128.39E**±.039	**159**±8.0	**5.0b**	**191**	**4-159**
BJI	I	04 13 29 28.8	7.68S	128.60E	164	5.3b		¶97i0542
NEIC	I	04 13 29 30.5	7.36S	128.34E	150	5.2b		
EIDC	I	04 13 29 32.6	7.3S	128.5E	155	4.5b		
MOS	I	04 13 29 32.7	7.0S	128.3E	150	5.4b		
ISC	**I**	**05 04 46 06.7**±.85	**5.2S**±.24	**125.4E**±.30	**33**	4.9b	**10**	**10-53**
								¶97i0618
ISC	**I**	**07 16 50 01.8**±.83	**4.3S**±.11	**131.5E**±.25	**33**	**3.8b**	**12**	**8-65**
EIDC	I	07 16 49 59.9	4.3S	131.4E	0	3.8b,4.0L		¶97i0949
NEIC	I	07 16 50 01.7	4.29S	131.39E	33	3.8b		
NEIC	Poor solution.							
ISC	**I**	**08 06 06 13**±1.1	**7.5S**±.11	**128.8E**±.19	**165**±14	**4.4b**	**21**	**4-59**
EIDC	I	08 06 06 05.2	7.3S	128.9E	54	4.0b,4.9L		¶97i1029
NEIC	I	08 06 06 13.1	7.56S	128.91E	150	4.6b		
NEIC	Less reliable solution.							
ISC	**I**	**08 12 59 42**±3.1	**6.3S**±.19	**130.4E**±.25	**131**±32	**4.1b**	**17**	**7-57**
NEIC	I	08 12 59 41.9	6.31S	130.37E	125	3.9b		¶97i1063
EIDC	I	08 12 59 52.4	7.0S	129.4E	185	3.4b		
NEIC	Poor solution.							
ISC	**I**	**10 06 42 12**±1.7	**5.29S**±.065	**129.8E**±.21	**114**±17	**4.0b**	**15**	**3-92**
EIDC	I	10 06 42 01.8	4.9S	130.9E	0	4.2b,4.5L		¶97i1324
NEIC	I	10 06 42 12.5	5.29S	129.85E	121	4.4b		
NEIC	Less reliable solution.							
ISC	**I**	**10 12 18 52**±2.0	**4.4S**±.14	**126.0E**±.19	**387**±27	**3.7b**	**25**	**10-78**
NEIC	I	10 12 18 53.3	4.33S	126.20E	400	4.4b		¶97i1358
EIDC	I	10 12 18 57.6	4.5S	126.4E	427	3.2b		
NEIC	Poor solution.							
ISC	**I**	**11 07 48 38**±4.2	**7.4S**±.38	**129.2E**±.19	**157**±26	3.8b	**10**	**6-27**
EIDC	I	11 07 48 11.5	5.8S	129.7E	0	4.3L,4.1b		¶97i1490
NEIC	I	11 07 48 37.6	7.38S	129.19E	150	4.0b		
NEIC	Poor solution.							
ISC	**I**	**15 04 38 05**±1.3	**5.7S**±.14	**130.3E**±.29	**33**	4.9b	**9**	**10-57**
								¶97i2096
ISC	**I**	**16 20 38 16.3**±.58	**6.33S**±.079	**130.1E**±.25	**33**	**3.9b**	**15**	**9-93**
EIDC	I	16 20 38 13.4	6.3S	130.0E	0	3.9b,4.5L		¶97i2356
NEIC	I	16 20 38 16.4	6.36S	130.02E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**I**	**18 22 48 43**±1.5	**7.01S**±.083	**125.33E**±.099	**552**±24	**4.2b**	**46**	**9-120**
BJI	I	18 22 48 42.8	7.00S	125.30E	550	4.2b		¶97i2729
NEIC	I	18 22 48 42.8	7.03S	125.27E	550	4.9b		
EIDC	I	18 22 48 45.0	7.2S	125.3E	566	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**19 10 30 04**±2.0	**5.61S**±.040	**129.92E**±.051	**44**±19	**4.7b,4.4s**	**97**	**10-152**
MOS	I	19 10 30 01.4	5.5S	130.0E	23	5.3b		¶97i2819
NEIC	I	19 10 30 02.1	5.58S	129.96E	30	5.0b,4.4s		
BJI	I	19 10 30 02.3	5.56S	129.99E	29	4.9b,4.7s		
EIDC	I	19 10 30 04.1	5.8S	129.8E	31	4.3b,4.6L		
HRVD	I	19 10 30 05.2±.6	5.61S±.06	130.18E±.08	20±6.2			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s25,c36; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−0.31±.65; $M_{\theta\theta}$−4.25±.48; $M_{\phi\phi}$4.55±.90; $M_{r\theta}$−1.62±1.11; $M_{r\phi}$8.23±2.82; $M_{\theta\phi}$7.88±.62. Principal Axes: T 12.6,Plg28°,Azm292°; N							

−0.6,Plg47°,Azm167°; P −12.0,Plg29°,Azm40°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S76°,δ47°,λ−1°. NP2:ϕ_S166°,δ90°,λ−137°.

ISC	**I**	**21 07 37 28**±8.3	**6.8S**±.63	**130.5E**±.64	**33**	3.5b	**6 14-27**	
EIDC	I	21 07 37 34.8	7.1S	132.8E	0	4.2L,3.8b	**¶97i3155**	
EIDC	**I**	**21 10 57 29.9**	**7.7S**	**123.8E**	**0**	3.1L,3.7b	**16-46**	
							¶97i3170	
ISC	**I**	**22 08 45 51**±5.2	**6.2S**±.17	**130.3E**±.22	**72**±52	**3.9b**	**11 14-93**	
EIDC	I	22 08 45 44.0	6.0S	130.6E	0	4.0b,4.6L	**¶97i3299**	
NEIC	I	22 08 45 47.0	6.12S	130.16E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**I**	**22 09 02 03**±7.5	**6.8S**±.66	**128.8E**±.75	**250**	3.7b	**6 14-28**	
EIDC	I	22 09 02 03.5	6.5S	129.6E	234	3.4b	**¶97i3302**	
ISC	**I**	**24 01 16 04**±3.2	**4.2S**±.14	**128.1E**±.23	**1**±28	**4.3b**	**11 1-92**	
EIDC	I	24 01 16 03.1	3.6S	129.1E	0	4.2b,3.9L	**¶97i3576**	
NEIC	I	24 01 16 06.4	4.08S	128.03E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**I**	**25 05 20 47**±7.9	**4.8S**±.68	**128.2E**±.77	**33**	4.1b	**6 16-30**	
EIDC	I	25 05 20 42.6	4.6S	127.9E	0	4.3b,3.6L	**¶97i3748**	
ISC	**I**	**25 05 22 12**±7.6	**6.1S**±.58	**128.7E**±.66	**33**	4.6b	**7 8-28**	
EIDC	I	25 05 22 00.7	5.3S	128.4E	0	3.8L,4.9b	**¶97i3749**	
ISC	**I**	**25 05 36 25**±8.1	**4.6S**±.70	**128.2E**±.79	**33**	4.2b	**6 16-30**	
EIDC	I	25 05 36 23.4	4.4S	128.9E	0	3.7L,4.5b	**¶97i3753**	
ISC	**I**	**27 21 59 18.1**±.53	**4.2S**±.10	**127.9E**±.19	**33**	**4.2b**,4.8s	**18 10-92**	
BJI	I	27 21 59 18.1	4.05S	128.27E	38	4.5b,5.0s	**¶97i4132**	
NEIC	I	27 21 59 18.1	4.18S	127.77E	33	4.5b		
EIDC	I	27 21 59 20.0	4.1S	128.0E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**I**	**28 01 55 09**±1.7	**5.99S**±.077	**129.57E**±.087	**175**±16	**4.6b**	**37 7-152**	
NEIC	I	28 01 55 06.4	5.90S	129.51E	150	5.0b	**¶97i4157**	
EIDC	I	28 01 55 12.1	6.0S	129.7E	181	4.3b		
ISC	**I**	**29 08 26 33**±7.4	**4.1S**±.67	**127.7E**±.82	**33**	4.1b	**6 17-31**	
EIDC	I	29 08 26 35.7	4.7S	127.5E	0	3.7L,4.2b	**¶97i4323**	
ISC	**I**	**29 13 01 56**±2.1	**4.3S**±.45	**127.5E**±.64	**33**	3.9b	**7 17-36**	
EIDC	I	29 13 01 51.9	4.0S	128.0E	0	4.0b,3.4L	**¶97i4354**	
ISC	**I**	**30 17 00 40**±2.3	**6.9S**±.19	**128.6E**±.63	**33**	3.9b	**7 7-94**	
EIDC	I	30 17 00 37.0	6.9S	128.9E	0	4.0L,3.9b	**¶97i4514**	
ISC	**I**	**31 18 02 28**±2.8	**5.2S**±.11	**129.9E**±.17	**188**±30	**3.9b**	**15 11-66**	
EIDC	I	31 18 02 26.3	5.1S	130.1E	142	3.5b	**¶97i4658**	
NEIC	I	31 18 02 29.4	5.25S	129.94E	200	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**01 04 15 56**±1.3	**7.7S**±.34	**126.4E**±.59	**33**	3.7b	**4 14-68**	
EIDC	II	01 04 15 53.3	7.5S	126.7E	0	3.7b,3.6L	**¶97ii0016**	
ISC	Poorly determined							
ISC	**II**	**02 04 12 43**±1.0	**6.9S**±.12	**127.6E**±.10	**100**	**4.3b**	**21 7-152**	
EIDC	II	02 04 12 33.9	7.0S	127.3E	0	4.5L,4.3b	**¶97ii0170**	
NEIC	II	02 04 12 43.4	6.88S	127.56E	100	4.6b		
NEIC	Less reliable solution.							
ISC	**II**	**02 23 37 12**±3.0	**7.3S**±.15	**128.5E**±.16	**142**±29	**3.8b**	**15 7-151**	
EIDC	II	02 23 36 54.0	6.8S	128.0E	0	4.0b,4.7L	**¶97ii0297**	
NEIC	II	02 23 37 04.0	6.94S	128.09E	100	4.5b		
BJI	II	02 23 37 06.2	7.33S	128.33E	84	4.3b		
NEIC	Less reliable solution.							
ISC	**II**	**03 10 16 24**±11	**7.8S**±.88	**129.6E**±.28	**150**		**6 6-18**	
							¶97ii0360	
ISC	**II**	**03 23 48 02**±3.5	**7.2S**±.21	**129.3E**±.24	**97**±35	3.7b	**10 6-39**	
EIDC	II	03 23 47 54.0	7.3S	128.9E	0	4.4L,3.9b	**¶97ii0437**	
NEIC	II	03 23 48 06.0	7.36S	129.32E	150	4.3b		
NEIC	Poor solution.							
ISC	**II**	**04 01 55 58.2**±.57	**7.08S**±.085	**125.56E**±.077	**542**±16	**4.4b**	**32 4-153**	
NEIC	II	04 01 55 57.9	7.21S	125.70E	500	4.8b	**¶97ii0444**	
EIDC	II	04 01 55 59.7	7.1S	125.8E	536	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**04 14 22 53**±1.3	**6.2S**±.10	**129.5E**±.24	**33**	**4.0b**	**14 7-43**	
EIDC	II	04 14 22 49.0	6.2S	129.2E	0	3.8b,4.6L	**¶97ii0542**	
ISC	**II**	**05 15 09 48**±2.0	**5.12S**±.075	**129.3E**±.12	**197**±22	**3.7b**	**20 11-153**	
NEIC	II	05 15 09 48.7	5.16S	129.31E	200	4.9b	**¶97ii0710**	
EIDC	II	05 15 09 57.0	5.3S	129.4E	275	3.3b		
NEIC	Less reliable solution.							
ISC	**II**	**06 14 27 22.6**±.87	**7.2S**±.10	**125.78E**±.082	**492**±22	**3.8b**	**18 6-37**	
EIDC	II	06 14 27 02.8	7.5S	124.6E	158	3.6b	**¶97ii0852**	
NEIC	II	06 14 27 17.7	7.25S	125.61E	400	4.3b		
NEIC	Less reliable solution.							
EIDC	**II**	**06 23 44 27.4**	**4.4S**	**131.5E**	**0**	3.7L,3.9b	**16-29**	
							¶97ii0917	
ISC	**II**	**08 08 28 45**±1.1	**4.3S**±.20	**127.9E**±.37	**33**	**3.8b**	**6 17-92**	
EIDC	II	08 08 28 41.6	4.2S	128.2E	0	3.7b,3.2L	**¶97ii1117**	
ISC	**II**	**09 06 38 42**±7.1	**4.8S**±.52	**131.0E**±.36	**78**±39	4.0b	**6 2-22**	
NEIC	II	09 06 38 43.3	4.87S	131.16E	100	4.1b	**¶97ii1272**	
NEIC	Poor solution.							
EIDC	**II**	**10 19 44 17.5**	**6.1S**	**126.8E**	**0**	3.7L,4.1b	**16-37**	
							¶97ii1508	
ISC	**II**	**11 01 22 08**±3.0	**6.8S**±.11	**129.9E**±.13	**118**±32	**4.1b**	**17 9-93**	
EIDC	II	11 01 21 57.1	6.4S	129.8E	0	4.1b,4.5L	**¶97ii1563**	
NEIC	II	11 01 22 08.4	6.84S	129.95E	128	4.8b		
NEIC	Less reliable solution.							
ISC	**II**	**11 06 40 43**±8.6	**5.8S**±.69	**130.2E**±.29	**33**		**6 7-21**	
NEIC	II	11 06 40 43.2	5.78S	130.24E	33	3.7b	**¶97ii1594**	
NEIC	Poor solution.							
ISC	**II**	**11 11 56 33**±7.5	**7.3S**±.65	**128.3E**±.59	**61**	3.6b	**6 7-27**	
EIDC	II	11 11 56 41.2	7.6S	129.2E	61	3.8L,3.7b	**¶97ii1626**	
ISC	**II**	**15 19 52 27**±1.6	**6.37S**±.068	**130.0E**±.15	**132**±19	**3.9b**	**13 6-81**	
NEIC	II	15 19 52 26.8	6.39S	129.99E	125	4.3b	**¶97ii2283**	
EIDC	II	15 19 52 37.0	6.6S	130.0E	217	3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**17 21 40 40**±2.9	**7.2S**±.12	**128.1E**±.21	**128**±31	**4.0b**	**14 8-152**	
EIDC	II	17 21 40 28.7	6.8S	128.5E	0	3.9b,4.6L	**¶97ii2551**	
NEIC	II	17 21 40 37.1	7.21S	128.02E	100	4.1b		
NEIC	Less reliable solution.							
ISC	**II**	**18 11 28 18**±4.3	**7.0S**±.20	**129.3E**±.20	**90**±45	**3.8b**	**11 9-68**	
EIDC	II	18 11 28 09.5	6.8S	129.3E	0	4.0b,4.1L	**¶97ii2635**	
NEIC	II	18 11 28 18.9	7.03S	129.25E	100	3.9b		
NEIC	Less reliable solution.							
ISC	**II**	**19 23 34 19**±2.0	**7.4S**±.10	**128.7E**±.17	**151**±27	**4.1b**	**13 4-39**	
EIDC	II	19 23 34 13.9	7.1S	129.0E	72	3.5b,4.0L	**¶97ii2854**	
NEIC	II	19 23 34 16.0	7.46S	128.49E	100	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**21 16 01 42**±4.1	**7.1S**±.15	**127.9E**±.15	**307**±51	**3.7b**	**12 14-44**	
NEIC	II	21 16 01 40.7	6.94S	128.09E	300	4.5b	**¶97ii3095**	
EIDC	II	21 16 01 45.8	7.0S	128.1E	340	3.1b		
NEIC	Less reliable solution.							
ISC	**II**	**21 23 07 20**±2.2	**6.72S**±.065	**129.2E**±.12	**181**±24	**4.3b**	**33 9-147**	
EIDC	II	21 23 07 10.7	6.7S	129.3E	72	4.2b,4.2L	**¶97ii3135**	
NEIC	II	21 23 07 17.7	6.67S	129.12E	150	4.5b		
ISC	**II**	**22 02 18 10**±1.1	**5.26S**±.093	**131.6E**±.30	**33**	4.1b	**6 4-21**	
							¶97ii3156	
EIDC	**II**	**24 06 35 58.6**	**4.6S**	**125.7E**	**0**	**3.8b**,4.3L	**17-42**	
							¶97ii3434	
ISC	**II**	**25 01 26 02**±1.6	**5.7S**±.27	**128.0E**±.72	**33**	4.6b	**6 8-66**	
EIDC	II	25 01 25 58.8	5.8S	127.8E	0	3.9L,4.5b	**¶97ii3560**	
ISC	**II**	**25 06 14 09**±2.2	**6.71S**±.065	**129.6E**±.12	**81**±23	**4.5b**	**37 7-158**	
MOS	II	25 06 14 07.2	6.7S	129.4E	68	4.9b	**¶97ii3590**	
BJI	II	25 06 14 08.7	6.82S	129.41E	89	4.4b		
EIDC	II	25 06 14 10.0	6.8S	129.4E	87	4.1b,4.0s		
NEIC	II	25 06 14 10.8	6.77S	129.66E	100	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**26 05 45 06**±7.1	**7.3S**±.63	**129.2E**±.22	**33**	3.8b	**9 6-27**	
NEIC	II	26 05 45 06.6	7.12S	129.19E	100	3.7b	**¶97ii3745**	
EIDC	II	26 05 45 21.1	7.7S	130.3E	144	3.8L,3.8b		
NEIC	Poor solution.							
ISC	**II**	**26 16 37 19**±2.0	**7.35S**±.096	**128.4E**±.11	**88**±20	**4.0b**	**18 5-68**	
EIDC	II	26 16 37 11.1	7.3S	128.1E	0	4.0b,4.3L	**¶97ii3823**	
NEIC	II	26 16 37 19.6	7.23S	128.72E	117	4.4b		
NEIC	Less reliable solution.							
ISC	**II**	**28 02 06 42**±4.1	**7.1S**±.19	**129.0E**±.31	**83**±39	3.9b	**9 7-68**	
EIDC	II	28 02 06 42.7	7.0S	129.3E	70	3.8b,3.9L	**¶97ii4099**	
NEIC	II	28 02 06 43.2	7.19S	129.08E	100	3.9b		
NEIC	Poor solution.							
ISC	**III**	**03 14 42 16**±2.2	**7.51S**±.089	**127.8E**±.16	**157**±24	**4.1b**	**28 7-152**	
BJI	III	03 14 42 15.2	7.11S	127.67E	122	4.5b	**¶97iii0614**	
NEIC	III	03 14 42 15.6	7.51S	127.81E	150	5.2b		
EIDC	III	03 14 42 18.2	7.7S	127.6E	154	3.9b		
MOS	III	03 14 42 19.3	7.8S	127.3E	197	4.3b		
ISC	**III**	**04 04 40 38.5**±.83	**7.25S**±.031	**129.09E**±.031	**100**±8.3	**5.3b**	**262 6-157**	
EIDC	III	04 04 40 35.4	7.2S	129.1E	61	5.1b	**¶97iii0789**	
NEIC	III	04 04 40 38.4	7.25S	129.14E	102	5.5b		
MOS	III	04 04 40 39.0	7.2S	129.2E	105	5.6b		
BJI	III	04 04 40 39.3	7.44S	129.14E	123	5.5b		
HRVD	III	04 04 40 43.8±.5	7.57S±.05	129.19E±.04	129±2.6			
NEIC	Mw5.6(HRVD).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c33; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.06; $M_{\theta\theta}$−0.79±.12; $M_{\phi\phi}$0.59±.13; $M_{r\theta}$0.04±.07; $M_{r\phi}$1.42±.07; $M_{\theta\phi}$1.77±.09. Principal Axes: T 2.46,Plg29°,Azm299°; N −0.19, Plg54°,Azm160°; P −2.27,Plg20°,Azm41°. Best double couple: $M_0$2.4×10^{17}Nm, NP1:ϕ_S82°, δ54°,λ7°. NP2:ϕ_S348°,δ84°,λ144°.							
ISC	**III**	**04 22 11 51.0**±.53	**5.67S**±.066	**130.6E**±.19	**33**	**4.0b**,4.4s	**16 7-80**	
EIDC	III	04 22 11 48.6	5.8S	130.3E	0	4.0b,4.5L	**¶97iii0930**	
NEIC	III	04 22 11 50.7	5.67S	130.80E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**05 15 45 39**±1.6	**4.3S**±.33	**127.9E**±.43	**33**	**3.6b**	**5 17-36**	
EIDC	III	05 15 45 36.1	4.3S	127.9E	0	3.7b,3.8L	**¶97iii1091**	
ISC	**III**	**06 06 28 51.0**±.96	**5.9S**±.19	**125.1E**±.35	**600**	**3.6b**	**7 10-94**	
NEIC	III	06 06 28 50.9	5.93S	125.09E	600		**¶97iii1215**	
EIDC	III	06 06 28 52.6	6.1S	125.0E	610	3.1b		
NEIC	Poor solution.							
ISC	**III**	**07 01 21 28**±3.4	**6.4S**±.15	**129.9E**±.19	**93**±31	**4.3b**	**21 9-151**	
EIDC	III	07 01 21 28.7	6.6S	129.7E	77	4.0b,5.0L	**¶97iii1394**	
NEIC	III	07 01 21 32.0	6.60S	129.89E	122	4.7b		
NEIC	Less reliable solution.							
ISC	**III**	**07 09 15 49**±2.6	**5.5S**±.14	**128.7E**±.32	**312**±31	**3.8b**	**12 8-80**	
NEIC	III	07 09 15 47.8	5.49S	128.69E	300	3.8b	**¶97iii1487**	
EIDC	III	07 09 15 57.8	5.8S	128.5E	401	3.4b		
NEIC	Poor solution.							
ISC	**III**	**07 09 53 20**±1.8	**6.6S**±.19	**130.5E**±.34	**33**	3.7b	**11 6-151**	
NEIC	III	07 09 53 19.3	6.54S	130.46E	33	4.5b	**¶97iii1495**	
EIDC	III	07 09 53 21.0	6.4S	130.7E	38	3.7b,4.6L		
NEIC	Poor solution.							
ISC	**III**	**08 00 59 21.2**±.83	**7.73S**±.045	**123.37E**±.064	**261**±9.9	**4.4b**	**60 5-146**	
MOS	III	08 00 59 11.8	7.5S	123.3E	168	4.6b	**¶97iii1633**	
BJI	III	08 00 59 19.7	7.57S	123.64E	243	4.3b		
NEIC	III	08 00 59 20.2	7.69S	123.41E	249	5.0b		
EIDC	III	08 00 59 20.6	7.7S	123.5E	237	4.0b		
ISC	**III**	**08 20 42 28**±2.7	**6.0S**±.20	**125.8E**±.55	**513**±39	**3.8b**	**14 9-94**	
NEIC	III	08 20 42 33.1	5.93S	126.42E	575	4.3b	**¶97iii1827**	
EIDC	III	08 20 42 35.6	5.9S	127.1E	580	3.1b		
NEIC	Poor solution.							
ISC	**III**	**10 22 48 56**±1.1	**6.9S**±.13	**129.5E**±.30	**100**	**4.0b**	**10 6-68**	
EIDC	III	10 22 48 47.6	6.7S	129.5E	0	4.0b,4.2L	**¶97iii2273**	
NEIC	III	10 22 48 56.5	6.96S	129.48E	100	4.2b		
NEIC	Poor solution.							
ISC	**III**	**11 22 58 03**±5.8	**6.1S**±.46	**130.2E**±.53	**33**	4.2b	**7 10-33**	
							¶97iii2452	
ISC	**III**	**12 21 46 07**±2.4	**5.8S**±.22	**131.1E**±.42	**33**	3.3b	**6 10-40**	
EIDC	III	12 21 46 02.5	5.5S	131.6E	0	3.9L,3.4b	**¶97iii2589**	
ISC	**III**	**13 08 28 12**±1.6	**6.75S**±.071	**129.74E**±.069	**147**±17	**4.4b**	**45 9-151**	
BJI	III	13 08 28 06.8	6.60S	129.60E	100	4.3b	**¶97iii2673**	
NEIC	III	13 08 28 06.8	6.64S	129.62E	100	4.7b		
EIDC	III	13 08 28 09.8	6.9S	129.6E	107	4.2b		
MOS	III	13 08 28 11.9	6.8S	129.6E	155	4.7b		
ISC	**III**	**18 05 25 14**±1.3	**4.3S**±.15	**128.7E**±.42	**33**	**4.1b**	**8 11-55**	
EIDC	III	18 05 25 11.0	4.6S	127.8E	0	4.3b,4.6L	**¶97iii3490**	
ISC	**III**	**19 06 47 55**±1.4	**7.0S**±.11	**125.5E**±.17	**482**±23	**3.7b**	**20 6-125**	
NEIC	III	19 06 47 55.5	7.09S	125.40E	500	4.7b	**¶97iii3649**	
EIDC	III	19 06 47 56.2	7.0S	125.9E	490	3.3b		
NEIC	Less reliable solution.							
ISC	**III**	**19 12 50 58.9**±.33	**5.64S**±.044	**123.90E**±.060	**33**	**4.6b,3.9s**	**50 4-148**	
EIDC	III	19 12 50 56.4	5.6S	124.1E	0	4.5b,3.7s	**¶97iii3709**	
MOS	III	19 12 50 58.4	5.6S	124.0E	33	5.1b		
BJI	III	19 12 50 58.4	5.64S	124.07E	31	4.7b		
NEIC	III	19 12 50 58.9	5.67S	123.94E	33	4.6b		
ISC	**III**	**19 15 34 42**±1.4	**5.97S**±.068	**129.8E**±.16	**198**±17	**3.5b**	**14 5-93**	
EIDC	III	19 15 34 24.9	5.7S	129.4E	0	3.9b,4.3L	**¶97iii3725**	
NEIC	III	19 15 34 41.9	5.98S	129.80E	197	4.1b		
NEIC	Less reliable solution.							
ISC	**III**	**20 05 43 57**±7.8	**6.2S**±.68	**129.0E**±.37	**150**	3.9b	**6 12-28**	
EIDC	III	20 05 43 58.2	6.2S	128.6E	160	3.6b	**¶97iii3847**	
ISC	**III**	**20 06 44 27**±1.5	**6.73S**±.070	**129.6E**±.22	**148**±17	**3.9b**	**13 6-93**	
EIDC	III	20 06 44 14.0	6.0S	130.9E	0	4.1b,4.3L	**¶97iii3856**	
NEIC	III	20 06 44 27.9	6.76S	129.57E	150	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**22 01 44 32**±4.8	**6.67S**±.064	**130.7E**±.12	**27**±35	**4.7b**	**73 8-158**	
BJI	III	22 01 44 31.0	6.87S	130.43E	28	4.8b	**¶97iii4179**	
NEIC	III	22 01 44 31.8	6.65S	131.06E	33	4.7b		

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	III 22 01 44 34.4	7.0S	130.3E	33	4.5b,5.3L		
MOS	III 22 01 44 41.0	7.0S	130.7E	130	4.8b		
ISC	**III 23 19 09 55±2.0**	**6.79S±.063**	**129.8E±.12**	**60±21**	**4.2b**	**25**	**9-108**
EIDC	III 23 19 09 52.8	6.8S	130.0E	20	4.1b,4.5L		**¶97iii4475**
NEIC	III 23 19 09 52.9	6.75S	129.78E	33	4.5b		
MOS	III 23 19 09 57.4	6.9S	129.9E	81	4.7b		
NEIC	Less reliable solution.						
ISC	**III 23 21 57 40±2.1**	**7.41S±.054**	**129.19E±.096**	**75±21**	**4.7b**	**71**	**4-160**
BJI	III 23 21 57 34.6	7.40S	129.13E	31	5.0b		**¶97iii4489**
MOS	III 23 21 57 34.9	7.3S	129.2E	33	5.3b		
NEIC	III 23 21 57 34.9	7.33S	129.20E	33	4.9b		
EIDC	III 23 21 57 37.9	7.5S	129.2E	45	4.5b,4.7L		
ISC	**III 24 16 10 34±1.5**	**6.6S±.14**	**130.4E±.16**	**148±22**	**4.4b**	**12**	**4-27**
EIDC	III 24 16 10 07.5	4.9S	131.6E	0	4.7L,4.2b		**¶97iii4585**
NEIC	III 24 16 10 34.3	6.66S	130.45E	150	4.7b		
NEIC	Less reliable solution.						
ISC	**III 26 15 11 44±4.0**	**7.3S±.21**	**128.9E±.21**	**108±42**	**3.9b**	**13**	**6-71**
EIDC	III 26 15 11 40.0	7.2S	128.8E	42	3.8b,3.9L		**¶97iii5010**
NEIC	III 26 15 11 43.3	7.31S	128.86E	100	3.9b		
NEIC	Less reliable solution.						
ISC	**III 28 12 20 28±4.2**	**7.2S±.21**	**129.0E±.22**	**104±43**	**3.9b**	**10**	**6-71**
EIDC	III 28 12 20 26.1	7.0S	129.0E	59	3.8b,4.3L		**¶97iii5437**
NEIC	III 28 12 20 27.9	7.17S	128.95E	100	4.0b		
NEIC	Less reliable solution.						
ISC	**III 28 14 10 06±4.3**	**6.8S±.15**	**130.3E±.14**	**61±44**	**4.0b**	**11**	**14-93**
EIDC	III 28 14 10 00.2	6.7S	130.2E	0	4.1b,4.1L		**¶97iii5447**
NEIC	III 28 14 10 09.8	6.95S	130.39E	100	4.2b		
NEIC	Less reliable solution.						
ISC	**III 29 07 50 19±1.8**	**7.3S±.21**	**125.6E±.38**	**456±27**	**3.5b**	**13**	**4-95**
EIDC	III 29 07 50 18.4	7.2S	125.8E	427	3.3b		**¶97iii5557**
NEIC	III 29 07 50 18.9	7.26S	125.68E	453	4.4b		
NEIC	Poor solution.						
ISC	**III 29 21 50 47±3.8**	**5.0S±.12**	**129.7E±.13**	**186±42**	**4.1b**	**16**	**3-92**
BJI	III 29 21 50 48.0	5.12S	129.60E	197	4.1b		**¶97iii5651**
NEIC	III 29 21 50 48.7	5.07S	129.73E	200	4.7b		
EIDC	III 29 21 50 50.2	5.1S	129.7E	191	3.7b		
NEIC	Less reliable solution.						
ISC	**III 30 18 49 09.9±.95**	**4.5S±.17**	**126.6E±.37**	**33**	**3.9b**	**7**	**17-65**
EIDC	III 30 18 49 07.2	4.4S	126.9E	0	3.9b,3.2L		**¶97iii5785**
NEIC	III 30 18 49 09.8	4.49S	126.62E	33	3.8b		
NEIC	Poor solution.						
ISC	**IV 01 00 54 32.4±.90**	**6.44S±.033**	**129.99E±.045**	**123±9.3**	**4.9b**	**128**	**6-161**
BJI	IV 01 00 54 31.1	6.48S	130.08E	119	5.1b		**¶97iv0006**
MOS	IV 01 00 54 31.5	6.4S	129.9E	114	5.3b		
NEIC	IV 01 00 54 32.3	6.42S	129.98E	122	5.2b		
EIDC	IV 01 00 54 36.3	6.5S	129.9E	145	4.5b,4.2s		
HRVD	IV 01 00 54 37.5±1.8	6.25S±.14	130.05E±.17	128±5.4			
NEIC	Mw5.2(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s9,c10; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}0.86±.70; $M_{\theta\theta}$−5.90±.97; $M_{\phi\phi}$5.04±1.39; $M_{r\theta}$−1.90±.59; $M_{r\phi}$4.58±.62; $M_{\theta\phi}$−0.42±1.02. Principal Axes: T 8.12,Plg33°,Azm263°; N −1.67,Plg51°,Azm118°; P −6.46,Plg18°,Azm5°. Best double couple: $M_0$7.3×10^{16}Nm, NP1: ϕ_S49°,δ53°,λ13°. NP2:ϕ_S311°,δ80°,λ142°.						
ISC	**IV 01 06 26 50±1.0**	**7.13S±.051**	**129.17E±.060**	**182±11**	**4.6b**	**56**	**7-160**
EIDC	IV 01 06 26 34.2	7.0S	128.8E	24	4.5b,4.9L		**¶97iv0027**
BJI	IV 01 06 26 47.1	7.28S	129.19E	169	4.4b		
MOS	IV 01 06 26 49.2	7.1S	129.1E	174	4.5b		
NEIC	IV 01 06 26 49.5	7.08S	129.12E	176	4.5b		
EIDC	**IV 01 13 59 48.1**	**6.3S**	**126.2E**	**352**	3.2b		**16-128**
							¶97iv0078
ISC	**IV 02 21 33 19±1.9**	**7.06S±.087**	**129.5E±.27**	**98±30**	3.5b	**8**	**6-39**
EIDC	IV 02 21 33 10.9	7.2S	129.0E	0	3.9L,3.7b		**¶97iv0321**
NEIC	IV 02 21 33 18.7	7.06S	129.55E	100	3.7b		
NEIC	Less reliable solution.						
ISC	**IV 03 04 35 22±1.2**	**4.6S±.21**	**126.6E±.42**	**50**	**4.4b**	**6**	**17-159**
EIDC	IV 03 04 35 17.7	4.7S	126.2E	0	4.2b,3.9L		**¶97iv0379**
NEIC	IV 03 04 35 22.5	4.63S	126.64E	50			
NEIC	Poor solution.						
ISC	**IV 03 22 38 56±4.8**	**7.4S±.17**	**129.4E±.22**	**50±47**	**4.3b**	**11**	**8-94**
EIDC	IV 03 22 38 50.8	7.4S	129.5E	0	4.3b,4.0L		**¶97iv0492**
NEIC	IV 03 22 38 53.8	7.38S	129.38E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 07 14 56 51±7.8**	**4.4S±.91**	**124.6E±.38**	**33**	**3.8b**	**7**	**18-34**
EIDC	IV 07 14 56 50.4	4.6S	124.6E	0	4.0b,4.0L		**¶97iv1178**
ISC	**IV 07 16 42 55.9±.89**	**6.4S±.10**	**129.8E±.28**	**33**	**3.7b**	**8**	**9-71**
EIDC	IV 07 16 42 53.5	6.5S	129.7E	0	3.8b,3.8L		**¶97iv1189**
NEIC	IV 07 16 42 55.9	6.46S	129.75E	33	4.1b		
NEIC	Less reliable solution.						
ISC	**IV 07 18 31 15±4.1**	**7.5S±.24**	**127.3E±.34**	**120±47**	**3.7b**	**10**	**8-71**
EIDC	IV 07 18 31 16.5	7.6S	127.3E	114	3.5b		**¶97iv1207**
NEIC	IV 07 18 31 21.4	7.87S	127.20E	200	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 08 00 54 13±5.0**	**6.50S±.084**	**130.6E±.11**	**21±37**	**4.5b**	**38**	**9-151**
EIDC	IV 08 00 54 11.3	6.6S	130.3E	0	4.5b,4.8L		**¶97iv1251**
NEIC	IV 08 00 54 14.2	6.49S	130.64E	33	4.7b		
MOS	IV 08 00 54 14.4	6.6S	130.4E	33	5.1b		
ISC	**IV 09 23 58 47±1.7**	**5.0S±.22**	**125.8E±.48**	**33**	4.1b	**5**	**10-68**
EIDC	IV 09 23 58 45.7	5.0S	125.6E	0	4.0L,3.8b		**¶97iv1602**
ISC	Poorly determined						
ISC	**IV 10 12 49 56±3.1**	**6.8S±.11**	**130.8E±.16**	**34±29**	**4.2b**	**18**	**2-93**
EIDC	IV 10 12 49 52.7	6.7S	130.8E	0	4.0b,4.5L		**¶97iv1695**
NEIC	IV 10 12 49 57.8	6.78S	130.67E	50	4.3b		
NEIC	Less reliable solution.						
ISC	**IV 11 04 18 51.7±.92**	**4.59S±.099**	**125.3E±.10**	**469±15**	**4.1b**	**23**	**5-149**
NEIC	IV 11 04 18 50.3	4.57S	125.27E	450	4.4b		**¶97iv1802**
EIDC	IV 11 04 18 51.8	4.7S	125.4E	449	3.4b		
NEIC	Less reliable solution.						
EIDC	**IV 12 00 22 23.9**	**7.2S**	**129.6E**	**517**	2.9b		**13-27**
							¶97iv1993
EIDC	**IV 12 09 42 04.7**	**5.6S**	**131.7E**	**0**	3.4L,3.6b		**7-91**
							¶97iv2047
ISC	**IV 14 05 58 13±1.6**	**7.5S±.19**	**127.5E±.27**	**100**	4.1b	**7**	**11-36**
NEIC	IV 14 05 58 21.3	7.91S	127.38E	200	4.3b		**¶97iv2399**
EIDC	IV 14 05 58 34.2	9.0S	127.4E	179	3.9b		
NEIC	Poor solution.						
ISC	**IV 14 09 43 01±1.2**	**6.6S±.11**	**129.8E±.17**	**186±17**	**4.1b**	**15**	**3-151**
NEIC	IV 14 09 43 00.6	6.59S	129.86E	186	4.5b		**¶97iv2434**
EIDC	IV 14 09 43 03.0	6.6S	129.9E	191	3.8b		
NEIC	Less reliable solution.						
ISC	**IV 15 12 39 46±1.8**	**6.8S±.21**	**130.1E±.36**	**100**	3.6b	**7**	**9-40**
EIDC	IV 15 12 39 45.1	6.6S	130.3E	80	3.5b		**¶97iv2602**
NEIC	IV 15 12 39 46.4	6.82S	130.01E	100	3.7b		
NEIC	Poor solution.						
ISC	**IV 15 15 26 33±2.1**	**6.78S±.085**	**127.8E±.15**	**336±26**	**3.6b**	**20**	**9-147**
NEIC	IV 15 15 26 30.3	6.70S	127.72E	300	4.6b		**¶97iv2618**
EIDC	IV 15 15 26 32.2	6.7S	127.8E	303	3.5b		
NEIC	Less reliable solution.						
ISC	**IV 16 16 47 45.5±.93**	**7.23S±.063**	**126.7E±.14**	**392±13**	**3.7b**	**19**	**4-73**
NEIC	IV 16 16 47 45.3	7.23S	126.74E	391	4.3b		**¶97iv2787**
EIDC	IV 16 16 47 46.1	7.2S	126.8E	372	3.3b		
NEIC	Less reliable solution.						
EIDC	**IV 16 23 19 37.6**	**6.0S**	**129.4E**	**0**	4.0L,4.1b		**10-28**
							¶97iv2821
EIDC	**IV 17 21 15 32.4**	**6.7S**	**128.8E**	**299**	**3.3b**		**14-118**
							¶97iv2975
ISC	**IV 19 17 38 56±1.3**	**5.53S±.085**	**129.7E±.20**	**182±21**	3.7b	**11**	**5-39**
EIDC	IV 19 17 38 37.6	4.8S	130.2E	0	4.9L,3.9b		**¶97iv3224**
NEIC	IV 19 17 38 56.6	5.50S	129.77E	200	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 20 14 50 30±1.5**	**5.0S±.29**	**123.5E±.24**	**33**	**3.4b**	**8**	**3-34**
EIDC	IV 20 14 50 29.1	5.8S	122.6E	0	3.4b,3.1L		**¶97iv3330**
EIDC	**IV 21 10 39 28.8**	**6.1S**	**129.6E**	**0**	3.8L,4.2b		**7-39**
							¶97iv3447
ISC	**IV 21 14 01 24.6±.46**	**7.39S±.024**	**125.78E±.032**	**436±5.7**	**5.5b**	**304**	**7-158**
BJI	IV 21 14 01 24.0	7.38S	125.75E	431	5.7b		**¶97iv3498**
NEIC	IV 21 14 01 24.3	7.38S	125.72E	432	5.9b		
MOS	IV 21 14 01 25.0	7.4S	125.8E	438	5.6b		
EIDC	IV 21 14 01 25.4	7.4S	125.7E	427	5.4b		
ISC	**IV 22 11 28 32±2.4**	**6.6S±.10**	**128.3E±.36**	**330±27**	3.8b	**8**	**5-67**
NEIC	IV 22 11 28 29.3	6.49S	127.98E	300	4.3b		**¶97iv3716**
EIDC	IV 22 11 28 37.8	6.3S	129.8E	371	3.5b		
NEIC	Less reliable solution.						
ISC	**IV 23 19 01 08±2.5**	**6.95S±.095**	**129.7E±.12**	**60±24**	**4.3b**	**25**	**7-151**
EIDC	IV 23 19 01 11.4	7.3S	129.1E	61	4.1b,4.9L		**¶97iv4016**
NEIC	IV 23 19 01 12.8	7.12S	129.46E	100	4.4b		
NEIC	Less reliable solution.						
ISC	**IV 23 23 45 50±3.0**	**7.1S±.12**	**129.5E±.15**	**86±29**	**4.2b**	**23**	**7-151**
EIDC	IV 23 23 45 46.4	7.0S	129.3E	34	4.2b,4.7L		**¶97iv4045**
NEIC	IV 23 23 45 51.1	7.13S	129.52E	100	4.5b		
NEIC	Less reliable solution.						
ISC	**IV 25 22 48 03±3.1**	**5.9S±.30**	**130.2E±.22**	**100**	**4.1b**	**11**	**10-74**
EIDC	IV 25 22 47 50.1	5.3S	130.3E	0	4.3b,4.6L		**¶97iv4428**
NEIC	IV 25 22 48 03.7	5.95S	130.14E	100	4.4b		
NEIC	Poor solution.						
ISC	**IV 26 05 14 18±4.5**	**7.0S±.23**	**129.1E±.25**	**114±45**	**3.7b**	**10**	**9-81**
EIDC	IV 26 05 14 07.1	6.5S	129.6E	0	3.9b,4.0L		**¶97iv4472**
NEIC	IV 26 05 14 17.0	7.00S	129.17E	100	3.9b		
NEIC	Poor solution.						
ISC	**IV 26 22 13 57±8.7**	**5.7S±.67**	**128.4E±.75**	**150**	3.9b	**7**	**8-29**
EIDC	IV 26 22 14 08.8	6.3S	129.4E	158	3.6b		**¶97iv4611**
EIDC	**IV 26 23 54 47.4**	**4.5S**	**130.8E**	**153**	3.5L,3.2b		**8-79**
							¶97iv4627
ISC	**IV 27 05 52 24±3.3**	**7.5S±.12**	**127.8E±.15**	**58±34**	**4.0b**,3.1s	**17**	**8-146**
EIDC	IV 27 05 52 17.9	7.5S	127.5E	0	4.1b,4.4L		**¶97iv4673**
NEIC	IV 27 05 52 20.9	7.41S	127.69E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 27 20 55 11±2.0**	**6.8S±.21**	**129.8E±.37**	**33**	3.7b	**8**	**6-39**
EIDC	IV 27 20 55 11.0	7.2S	128.9E	0	4.3L,3.8b		**¶97iv4792**
ISC	**IV 27 22 45 18±3.4**	**6.9S±.24**	**127.9E±.36**	**282±43**	**3.5b**	**9**	**9-81**
NEIC	IV 27 22 45 09.9	6.37S	128.44E	200	4.4b		**¶97iv4803**
EIDC	IV 27 22 45 13.1	6.7S	127.9E	202	3.4b		
NEIC	Poor solution.						
ISC	**IV 28 10 46 01±3.5**	**4.6S±.16**	**125.3E±.18**	**474±46**	**4.2b**	**24**	**11-129**
NEIC	IV 28 10 45 59.0	4.51S	125.36E	450	4.4b		**¶97iv4899**
EIDC	IV 28 10 46 00.0	4.4S	125.8E	443	3.8b		
ISC	**IV 28 13 41 00.1±.41**	**6.48S±.059**	**129.8E±.12**	**33**	**4.3b**,4.8s	**39**	**7-151**
EIDC	IV 28 13 40 56.8	6.9S	129.3E	0	4.2b,4.4L		**¶97iv4929**
BJI	IV 28 13 40 58.1	6.02S	129.73E	4	5.0s		
MOS	IV 28 13 41 00.7	6.6S	130.1E	33	5.2b		
NEIC	IV 28 13 41 00.7	6.62S	129.71E	33	4.6b		
NEIC	Less reliable solution.						
ISC	**IV 29 11 10 17±2.6**	**5.1S±.13**	**127.8E±.17**	**367±33**	**3.8b**	**12**	**11-79**
EIDC	IV 29 11 10 16.0	5.1S	127.9E	341	3.6b		**¶97iv5068**
NEIC	IV 29 11 10 16.5	5.07S	127.82E	359	4.4b		
NEIC	Less reliable solution.						
EIDC	**IV 30 07 24 46.8**	**4.2S**	**127.4E**	**0**	3.8b,3.7L		**17-31**
							¶97iv5175
ISC	**V 01 14 51 32±4.1**	**7.2S±.17**	**129.0E±.19**	**99±46**	**3.7b**	**13**	**6-94**
EIDC	V 01 14 51 22.9	7.0S	129.1E	0	3.8b,4.4L		**¶97v0114**
NEIC	V 01 14 51 36.3	7.32S	128.96E	150	4.1b		
NEIC	Less reliable solution.						
ISC	**V 02 14 39 00±8.2**	**7.5S±.62**	**129.2E±.54**	**68**	3.4b	**6**	**8-27**
EIDC	V 02 14 39 04.5	7.5S	130.1E	68	3.9L,3.5b		**¶97v0284**
ISC	**V 02 15 13 34±3.1**	**5.54S±.097**	**131.2E±.14**	**59±32**	**3.8b**	**18**	**10-92**
EIDC	V 02 15 13 33.3	5.6S	131.2E	34	3.7b,3.8L		**¶97v0287**
ISC	**V 03 04 17 11±2.6**	**6.9S±.11**	**129.0E±.15**	**162±28**	**3.7b**	**20**	**7-151**
EIDC	V 03 04 17 10.3	6.8S	129.3E	125	3.6b		**¶97v0374**
NEIC	V 03 04 17 10.5	6.92S	128.93E	150	4.0b		
ISC	**V 08 13 15 29±1.5**	**5.8S±.18**	**129.2E±.25**	**350**	3.6b	**9**	**8-38**
EIDC	V 08 13 15 25.5	4.7S	131.0E	367	3.4b		**¶97v1246**
ISC	**V 09 06 17 28±1.2**	**5.7S±.12**	**130.7E±.13**	**33**	3.7b	**10**	**7-39**
EIDC	V 09 06 17 24.8	5.7S	130.7E	0	4.2L,3.9b		**¶97v1371**
ISC	**V 09 16 53 49±1.1**	**5.7S±.28**	**125.9E±.50**	**33**	3.8b	**6**	**16-66**
EIDC	V 09 16 53 46.2	5.5S	126.0E	0	3.7b,3.6L		**¶97v1452**
ISC	**V 10 14 46 22±1.0**	**7.4S±.11**	**129.3E±.19**	**150**	**3.6b**	**12**	**6-72**
EIDC	V 10 14 46 08.1	6.8S	129.7E	0	3.8b,4.3L		**¶97v1620**
NEIC	V 10 14 46 22.7	7.42S	129.07E	150	4.0b		
NEIC	Poor solution.						
ISC	**V 11 14 01 10±3.4**	**6.5S±.15**	**127.8E±.19**	**341±42**	**3.8b**	**14**	**8-80**
NEIC	V 11 14 01 06.4	6.37S	127.91E	300	4.4b		**¶97v1788**
EIDC	V 11 14 01 07.9	6.5S	127.8E	300	3.6b		
NEIC	Less reliable solution.						
ISC	**V 11 20 31 50±2.4**	**6.54S±.078**	**130.0E±.10**	**119±25**	**4.3b**	**25**	**7-151**
EIDC	V 11 20 31 49.1	6.6S	130.0E	97	4.0b		**¶97v1841**
NEIC	V 11 20 31 52.7	6.58S	130.06E	150	4.7b		
ISC	**V 12 12 01 08±8.1**	**7.6S±.63**	**129.5E±.51**	**150**	3.8b	**8**	**6-27**
EIDC	V 12 12 01 08.0	7.8S	129.5E	118	3.6b		**¶97v1953**
NEIC	V 12 12 01 09.2	7.76S	129.57E	150	3.8b		
NEIC	Poor solution.						

ISC	**V**	**14 14 02 55**±4.2	**7.5S**±.22	**128.5E**±.21	**111**±39	**3.9b**	**12**	**8-27**
NEIC	V	14 14 02 53.7	7.46S	128.44E	100	3.7b		**¶97v2459**
EIDC	V	14 14 02 57.8	8.4S	128.6E	0	3.9L,3.8b		
NEIC	Poor solution.							
ISC	**V**	**14 16 17 30**±1.6	**5.4S**±.15	**131.2E**±.20	**33**	**3.6b**	**10**	**11-40**
NEIC	V	14 16 17 30.2	5.40S	131.20E	33	3.9b		**¶97v2480**
EIDC	V	14 16 17 35.4	6.0S	130.3E	33	3.6b,4.1L		
NEIC	Poor solution.							
EIDC	**V**	**15 01 48 39.1**	**4.9S**	**130.3E**	**445**	3.0b		**16-91**
								¶97v2539
ISC	**V**	**17 08 49 27**±7.3	**6.9S**±.60	**129.7E**±.27	**33**	3.6b	**7**	**12-27**
EIDC	V	17 08 49 30.1	7.2S	130.7E	0	3.9L,3.8b		**¶97v2902**
ISC	**V**	**18 19 05 16**±7.5	**5.3S**±.11	**131.1E**±.15	**24**±58	**4.0b**	**17**	**14-91**
EIDC	V	18 19 05 13.7	5.2S	131.4E	0	4.2b,4.5L		**¶97v3134**
BJI	V	18 19 05 23.5	5.30S	131.20E	100	4.6b		
NEIC	V	18 19 05 23.5	5.33S	131.18E	100	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**19 09 53 46**±5.2	**5.6S**±.25	**129.8E**±.25	**158**±45	**3.7b**	**13**	**13-152**
NEIC	V	19 09 53 44.8	5.57S	129.82E	150	4.7b		**¶97v3236**
EIDC	V	19 09 53 46.1	5.5S	130.2E	143	3.6b,4.8L		
NEIC	Less reliable solution.							
ISC	**V**	**20 03 10 15**±1.8	**6.7S**±.17	**129.8E**±.22	**144**±56		**6**	**3-17**
NEIC	V	20 03 10 14.5	6.69S	129.79E	150	4.0b		**¶97v3347**
NEIC	Less reliable solution.							
ISC	**V**	**20 10 05 41**±1.6	**6.5S**±.15	**128.9E**±.23	**306**±23	3.7b	**11**	**4-28**
EIDC	V	20 10 04 49.3	3.9S	127.9E	0	4.4b,4.5L		**¶97v3385**
NEIC	V	20 10 05 38.5	6.59S	128.59E	282	4.6b		
NEIC	Poor solution.							
ISC	**V**	**20 10 53 32.4**±.37	**4.60S**±.049	**131.89E**±.077	**33**	**4.6b**	**42**	**1-151**
EIDC	V	20 10 53 29.4	4.8S	131.6E	0	4.5b,4.9L		**¶97v3391**
BJI	V	20 10 53 30.7	4.80S	132.38E	43	5.0b		
MOS	V	20 10 53 32.8	4.6S	131.7E	33	4.9b		
NEIC	V	20 10 53 32.9	4.59S	131.78E	33	4.9b		
ISC	**V**	**20 21 02 11**±2.4	**7.0S**±.29	**125.5E**±.17	**486**±38	4.3b	**16**	**9-31**
EIDC	V	20 21 00 38.2	0.4S	125.8E	0	4.3b		**¶97v3458**
NEIC	V	20 21 00 38.8	1.03S	123.57E	33	4.7b		
NEIC	Poor solution.							
ISC	**V**	**23 06 47 23.2**±.54	**7.16S**±.069	**129.1E**±.16	**33**	**4.0b,3.5s**	**23**	**11-151**
EIDC	V	23 06 47 20.5	7.2S	129.2E	0	4.0b,3.5s		**¶97v3903**
NEIC	V	23 06 47 22.8	7.20S	129.04E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**24 05 05 01**±1.5	**7.3S**±.17	**129.1E**±.22	**100**	3.7b	**8**	**11-39**
EIDC	V	24 05 04 51.3	6.9S	129.5E	0	4.3L,3.9b		**¶97v4056**
NEIC	V	24 05 05 01.1	7.26S	129.04E	100	3.9b		
NEIC	Poor solution.							
ISC	**V**	**25 22 21 18**±2.5	**6.64S**±.084	**128.9E**±.12	**188**±26	**4.4b**	**40**	**12-157**
BJI	V	25 22 21 13.7	6.66S	129.39E	165	4.5b		**¶97v4323**
NEIC	V	25 22 21 14.1	6.52S	128.85E	150	4.8b		
MOS	V	25 22 21 14.8	6.6S	128.6E	152	4.6b		
EIDC	V	25 22 21 18.0	6.6S	128.9E	167	4.0b		
ISC	**V**	**29 11 42 36.5**±.61	**7.17S**±.076	**129.5E**±.17	**33**	**3.9b**	**12**	**12-94**
EIDC	V	29 11 42 33.5	7.3S	129.4E	0	4.0b,4.2L		**¶97v4866**
NEIC	V	29 11 42 36.0	7.29S	129.39E	33			
NEIC	Single network solution.							
EIDC	**V**	**30 04 24 32.3**	**5.1S**	**129.1E**	**0**	3.8L,3.9b		**16-92**
								¶97v4978
EIDC	**V**	**31 14 07 49.6**	**5.1S**	**129.4E**	**0**	4.1b,4.6L		**13-74**
								¶97v5201
ISC	**VI**	**01 15 01 26**±1.4	**6.0S**±.18	**128.1E**±.25	**350**	3.6b	**9**	**12-38**
EIDC	VI	01 15 01 23.6	5.9S	128.5E	314	3.6b		**¶97vi0102**
ISC	**VI**	**06 15 42 59**±5.1	**6.9S**±.18	**130.8E**±.27	**49**±55	**4.2b**	**10**	**9-82**
EIDC	VI	06 15 42 54.5	6.9S	130.7E	0	4.3b,4.5L		**¶97vi0953**
NEIC	VI	06 15 43 02.8	7.12S	130.75E	100			
NEIC	Less reliable solution.							
EIDC	**VI**	**08 12 37 49.2**	**5.9S**	**129.8E**	**317**	3.2b		**15-28**
								¶97vi1238
ISC	**VI**	**10 22 58 37.7**±.64	**6.88S**±.055	**125.48E**±.080	**553**±10	**4.2b**	**54**	**6-157**
NEIC	VI	10 22 58 38.6	6.93S	125.45E	567			**¶97vi1578**
MOS	VI	10 22 58 38.7	6.9S	125.4E	566	4.6b		
BJI	VI	10 22 58 39.1	6.77S	125.67E	576	4.5b		
EIDC	VI	10 22 58 40.5	7.0S	125.5E	569	3.6b		
ISC	**VI**	**11 20 44 12**±1.1	**7.52S**±.068	**128.33E**±.089	**180**±14	**3.8b**	**25**	**5-151**
NEIC	VI	11 20 44 09.7	7.43S	128.37E	150	4.1b		**¶97vi1749**
EIDC	VI	11 20 44 13.9	7.4S	128.5E	169	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**12 04 28 02**±1.6	**7.6S**±.36	**129.0E**±.45	**550**	4.0b	**4**	**13-39**
EIDC	VI	12 04 28 01.9	7.7S	129.0E	526	3.2b		**¶97vi1798**
ISC	Poorly determined							
ISC	**VI**	**12 04 36 20.6**±.91	**7.47S**±.055	**128.28E**±.086	**169**±11	**4.0b**	**29**	**5-157**
EIDC	VI	12 04 36 13.7	7.2S	128.6E	79	3.8b		**¶97vi1799**
NEIC	VI	12 04 36 21.0	7.45S	128.22E	168	4.5b		
BJI	VI	12 04 36 22.4	7.41S	128.47E	194	4.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**13 06 55 32**±4.9	**6.5S**±.23	**130.2E**±.20	**254**±52	3.8b	**8**	**14-56**
EIDC	VI	13 06 55 24.9	6.2S	129.8E	174	4.7L,3.6b		**¶97vi1945**
ISC	**VI**	**13 21 17 47**±1.4	**7.4S**±.26	**124.1E**±.34	**33**	3.3b	**9**	**9-36**
EIDC	VI	13 21 17 44.5	7.6S	123.8E	0	4.1L,3.3b		**¶97vi2042**
ISC	**VI**	**14 07 26 51**±4.0	**6.5S**±.35	**129.8E**±.36	**133**±63		**5**	**3-18**
NEIC	VI	14 07 26 51.2	6.44S	129.85E	150	4.0b		**¶97vi2099**
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**VI**	**15 09 44 37**±7.7	**6.5S**±.64	**129.4E**±.35	**33**	3.6b	**6**	**12-28**
EIDC	VI	15 09 44 46.1	7.3S	130.7E	0	3.6L,3.8b		**¶97vi2275**
ISC	**VI**	**16 21 22 15**±5.9	**5.9S**±.51	**130.0E**±.21	**100**		**6**	**7-27**
								¶97vi2513
ISC	**VI**	**17 16 18 49.6**±.84	**6.72S**±.037	**129.82E**±.038	**128**±9.2	**4.8b**	**94**	**6-151**
MOS	VI	17 16 18 48.4	6.7S	129.8E	116	4.8b		**¶97vi2660**
BJI	VI	17 16 18 48.6	6.77S	129.76E	122	4.9b		
NEIC	VI	17 16 18 49.1	6.71S	129.83E	125	5.0b		
EIDC	VI	17 16 18 54.6	6.8S	129.9E	159	4.1b		
ISC	**VI**	**18 04 11 31**±7.0	**8.0S**±.56	**129.0E**±.27	**33**	3.5b	**8**	**8-27**
EIDC	VI	18 04 11 31.1	8.3S	128.8E	0	3.7L,3.8b		**¶97vi2723**
ISC	**VI**	**18 05 06 09**±1.5	**6.69S**±.076	**129.7E**±.14	**159**±16	**4.2b**	**19**	**3-81**
EIDC	VI	18 05 05 59.4	6.0S	131.6E	46	4.0b,4.5L		**¶97vi2731**
NEIC	VI	18 05 06 08.5	6.69S	129.68E	150	4.6b		
NEIC	Less reliable solution.							
EIDC	**VI**	**18 10 51 16.3**	**7.8S**	**129.8E**	**0**	3.5L,3.8b		**13-26**
								¶97vi2777
ISC	**VI**	**18 19 01 18**±1.4	**6.49S**±.096	**128.3E**±.18	**338**±18	**3.5b**	**12**	**5-67**
NEIC	VI	18 19 01 17.9	6.50S	128.28E	337	4.2b		**¶97vi2820**
EIDC	VI	18 19 01 20.6	6.5S	128.5E	351	3.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**19 10 18 55.4**±.98	**5.0S**±.14	**129.4E**±.17	**33**	**3.9b**	**7**	**16-46**
EIDC	VI	19 10 18 52.8	5.0S	129.4E	0	4.0b,3.6L		**¶97vi2896**
NEIC	VI	19 10 18 55.4	5.05S	129.36E	33			
NEIC	Single network solution.							
EIDC	**VI**	**19 15 49 32.4**	**7.1S**	**128.9E**	**0**	3.9b,4.0L		**4-39**
								¶97vi2937
ISC	**VI**	**21 13 04 45.2**±.94	**4.25S**±.092	**126.0E**±.15	**408**±12	**3.8b**	**18**	**2-97**
NEIC	VI	21 13 04 44.7	4.31S	125.85E	400	4.4b		**¶97vi3222**
EIDC	VI	21 13 04 47.1	4.4S	125.9E	407	3.5b		
NEIC	Less reliable solution.							
ISC	**VI**	**21 17 25 54**±4.0	**7.3S**±.17	**129.1E**±.20	**75**±40	**3.6b**	**13**	**11-151**
NEIC	VI	21 17 25 49.4	7.11S	129.14E	33	3.9b		**¶97vi3255**
EIDC	VI	21 17 25 54.5	7.2S	129.3E	73	3.5b,4.5L		
NEIC	Less reliable solution.							
ISC	**VI**	**22 06 35 07**±1.2	**6.85S**±.069	**129.8E**±.12	**169**±15	**4.0b**	**17**	**6-125**
EIDC	VI	22 06 34 52.0	6.2S	130.9E	0	4.2b,4.4L		**¶97vi3338**
NEIC	VI	22 06 35 00.4	6.60S	130.16E	100	4.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**22 23 43 26**±1.3	**7.0S**±.14	**130.0E**±.16	**100**	4.0b	**12**	**6-40**
EIDC	VI	22 23 43 16.3	6.6S	130.2E	0	4.0b,4.3L		**¶97vi3460**
EIDC	**VI**	**24 18 01 44.9**	**5.9S**	**129.2E**	**438**	3.1b		**2-38**
								¶97vi3763
EIDC	**VI**	**24 23 15 12.2**	**4.2S**	**129.3E**	**331**	3.5b		**16-91**
								¶97vi3797
ISC	**VI**	**25 01 27 02**±2.8	**6.9S**±.21	**130.2E**±.26	**33**		**6**	**3-17**
								¶97vi3822
EIDC	**VI**	**25 20 54 03.0**	**7.0S**	**129.4E**	**421**	3.2b		**14-81**
								¶97vi4030
ISC	**VI**	**28 01 23 47**±2.5	**6.8S**±.11	**129.83E**±.097	**122**±24	**4.2b**	**24**	**9-151**
NEIC	VI	28 01 23 44.8	6.75S	129.79E	100	4.6b		**¶97vi4392**
EIDC	VI	28 01 23 47.1	6.8S	129.8E	108	3.8b		
ISC	**VI**	**28 20 48 39**±4.6	**6.0S**±.21	**130.8E**±.21	**67**±42	**3.8b**	**11**	**10-40**
EIDC	VI	28 20 48 52.4	6.7S	130.2E	166	3.4b		**¶97vi4522**
NEIC	VI	28 20 48 52.5	6.66S	130.32E	200	4.2b		
NEIC	Poor solution.							
ISC	**VI**	**29 20 02 57.3**±.67	**7.01S**±.025	**129.72E**±.029	**131**±6.7	**5.5b**	**391**	**9-160**
BJI	VI	29 20 02 53.5	7.03S	129.67E	99	5.8b		**¶97vi4656**
NEIC	VI	29 20 02 53.8	6.92S	129.73E	100	5.6b		
MOS	VI	29 20 02 54.8	6.9S	129.7E	103	5.7b		
EIDC	VI	29 20 03 00.5	7.0S	129.8E	146	5.1b		
HRVD	VI	29 20 03 04.9±.4	6.71S±.04	130.16E±.07	159±1.2			
NEIC	Mw5.4(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c38; Half duration: 1s1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.82±.05; $M_{\theta\theta}$−0.82±.08; $M_{\phi\phi}$0.00±.10; $M_{r\theta}$0.59±.04; $M_{r\phi}$1.16±.06; $M_{\theta\phi}$0.05±.05. Principal Axes: T 1.74,Plg54°,Azm290°; N −0.57, Plg19°,Azm49°; P −1.17,Plg29°,Azm150°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S281°,δ24°,λ144°. NP2:ϕ_S44°,δ76°,λ70°.							
ISC	**VI**	**30 16 38 05**±7.9	**7.5S**±.65	**129.8E**±.33	**33**	3.6b	**5**	**8-27**
EIDC	VI	30 16 38 06.3	7.6S	130.6E	0	3.8L,3.9b		**¶97vi4789**
EIDC	**VI**	**30 17 03 41.7**	**4.0S**	**127.6E**	**144**	3.2b		**12-36**
								¶97vi4794

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ISC	**I**	**02 16 06 39**±1.6	**7.8S**±.17	**130.4E**±.25	**33**	3.6b	**9**	**5-41**
EIDC	I	02 16 06 38.2	8.1S	129.7E	0	3.8L,3.8b		**¶97i0238**
NEIC	I	02 16 06 42.7	8.46S	129.19E	33	3.5b		
NEIC	Poor solution.							
ISC	**I**	**23 21 46 07.0**±.99	**7.2S**±.12	**131.1E**±.22	**33**	**3.9b**	**14**	**6-93**
EIDC	I	23 21 46 03.9	7.2S	131.0E	0	3.9b,4.2L		**¶97i3553**
NEIC	I	23 21 46 06.9	7.20S	131.10E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**09 23 39 38**±3.3	**8.1S**±.24	**130.2E**±.38	**152**±32		**5**	**1-15**
NEIC	II	09 23 39 38.3	8.14S	130.24E	150	3.6b		**¶97ii1382**
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**II**	**12 06 20 31.8**±.31	**6.61S**±.042	**131.42E**±.083	**33**	**4.6b**,4.0s	**50**	**6-150**
EIDC	II	12 06 20 28.8	6.8S	131.2E	0	4.6b,4.6L		**¶97ii1731**
BJI	II	12 06 20 30.3	6.80S	131.23E	30	4.9b		
MOS	II	12 06 20 30.7	6.7S	131.3E	33	4.9b		
NEIC	II	12 06 20 32.1	6.64S	131.34E	33	4.6b		
ISC	**II**	**27 07 32 56**±3.7	**8.4S**±.32	**131.2E**±.24	**33**		**6**	**4-74**
NEIC	II	27 07 32 56.2	8.40S	131.20E	33	4.0b		**¶97ii3920**
NEIC	Poor solution.							
ISC	**II**	**28 10 36 31**±4.9	**9.0S**±.37	**130.0E**±.31	**33**	3.9b	**9**	**7-27**
EIDC	II	28 10 36 25.7	8.8S	129.6E	0	4.0L,4.1b		**¶97ii4215**
NEIC	II	28 10 36 30.3	8.91S	130.00E	33	4.1b		
NEIC	Poor solution.							
ISC	**III**	**10 17 32 48.9**±.58	**7.01S**±.076	**131.1E**±.15	**33**	**4.2b**,3.6s	**20**	**9-136**
EIDC	III	10 17 32 46.1	7.4S	130.7E	0	4.5b,4.6L		**¶97iii2252**
EIDC	**III**	**14 13 42 26.2**	**7.0S**	**130.6E**	**157**	3.8b		**6-27**
								¶97iii2887
EIDC	**III**	**22 08 16 23.3**	**6.5S**	**131.5E**	**0**	3.9L,4.0b		**14-27**
								¶97iii4229
EIDC	**IV**	**01 11 50 36.8**	**6.7S**	**131.3E**	**0**	4.0L,4.0b		**13-27**
								¶97iv0065
EIDC	**IV**	**08 04 30 52.4**	**8.4S**	**130.5E**	**0**	3.6L,3.7b		**12-26**
								¶97iv1275
ISC	**IV**	**10 03 09 09**±1.5	**7.3S**±.15	**130.1E**±.21	**33**	3.8b	**8**	**6-40**
EIDC	IV	10 03 09 05.9	7.2S	130.2E	0	4.0L,3.9b		**¶97iv1617**
ISC	**IV**	**11 04 38 53.6**±.98	**6.35S**±.084	**131.2E**±.23	**33**	3.9b	**7**	**5-40**
NEIC	IV	11 04 38 53.6	6.34S	131.15E	33	4.3b		**¶97iv1807**
EIDC	IV	11 04 38 57.2	6.4S	131.3E	54	4.3L,3.7b		
NEIC	Less reliable solution.							
EIDC	**IV**	**11 14 29 46.8**	**7.0S**	**131.1E**	**137**	3.7L,3.3b		**13-27**
								¶97iv1920
ISC	**IV**	**16 05 08 10**±12	**6.4S**±.86	**131.3E**±.82	**33**	3.4b	**4**	**14-27**
EIDC	IV	16 05 08 06.7	6.3S	131.2E	0	3.3L,3.8b		**¶97iv2697**
ISC	Poorly determined							
EIDC	**IV**	**16 09 22 01.2**	**8.7S**	**130.3E**	**0**	3.7L,3.9b		**7-149**
								¶97iv2733
ISC	**IV**	**17 17 18 43**±1.4	**8.3S**±.13	**130.8E**±.35	**33**	5.8b	**7**	**5-50**
EIDC	IV	17 17 18 39.9	8.2S	130.7E	0	3.7L		**¶97iv2940**
ISC	**IV**	**20 13 18 01**±1.7	**6.01S**±.075	**131.3E**±.26	**69**±23	**3.7b**	**10**	**5-43**
EIDC	IV	20 13 17 54.4	5.9S	131.0E	0	3.9b,4.3L		**¶97iv3314**
NEIC	IV	20 13 17 58.2	6.06S	131.01E	33	4.2b		
NEIC	Less reliable solution.							
EIDC	**IV**	**30 07 13 08.1**	**7.6S**	**130.5E**	**0**	3.6L,3.9b		**5-26**
								¶97iv5174

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**30 09 05 27**±5.7	**8.4S**±.49	**131.1E**±.30	**33**	4.1b	**9**	**4-29**
								¶97iv5188
EIDC	**V**	**28 13 54 39.7**	**7.2S**	**130.1E**	**0**	4.2L,4.1b		**12-27**
								¶97iv4731
ISC	**V**	**29 09 18 48.3**±.82	**6.88S**±.090	**132.0E**±.15	**50**	**4.1b**	**12**	**9-68**
EIDC	V	29 09 18 44.5	6.6S	132.7E	0	4.2b,4.4L		¶97v4847
NEIC	V	29 09 18 49.1	6.80S	132.11E	50			
NEIC		Less reliable solution.						
ISC	**VI**	**07 03 13 10**±7.9	**8.3S**±.61	**130.3E**±.45	**54**	3.6b	**5**	**8-26**
EIDC	VI	07 03 13 07.0	8.2S	129.6E	54	4.2L,3.6b		¶97vi1031
ISC	**VI**	**24 15 36 23**±1.7	**8.5S**±.32	**130.6E**±.41	**600**	3.5b	**4**	**12-41**
EIDC	VI	24 15 36 24.3	8.7S	130.5E	598	2.8b		¶97vi3741
ISC		Poorly determined						

(282) South of Java.

ISC	**I**	**15 20 24 54**±5.7	**11.13S**±.092	**113.3E**±.17	**10**±37	**3.9b**	**11**	**3-118**
NEIC	I	15 20 24 54.6	11.14S	113.33E	14			¶97i2205
EIDC	I	15 20 24 56.0	10.9S	113.6E	0	3.9b		
NEIC		Less reliable solution.						
ISC	**I**	**17 12 05 02**±1.5	**10.6S**±.16	**112.0E**±.27	**33**	**3.8b**	**7**	**3-68**
EIDC	I	17 12 05 00.2	10.4S	112.4E	0	3.9b		¶97i2443
NEIC	I	17 12 05 01.6	10.64S	112.03E	33	4.0b		
NEIC		Less reliable solution.						
EIDC	**I**	**26 22 51 54.7**	**11.1S**	**113.3E**	**0**	**3.4b**		**22-33**
								¶97i4009
ISC	**II**	**24 00 45 01.1**±.73	**10.1S**±.12	**113.4E**±.18	**35**±.5*	**3.8b**	**10**	**13-84**
NEIC	II	24 00 45 01.1	9.98S	113.50E	33	4.1b		¶97ii3393
EIDC	II	24 00 45 03.5	10.2S	113.5E	33	3.7b		
NEIC		Less reliable solution.						
EIDC	**II**	**24 07 49 01.8**	**9.5S**	**113.2E**	**0**	**4.1b**		**13-117**
								¶97ii3443
ISC	**III**	**19 13 20 33**±1.3	**10.60S**±.055	**112.81E**±.084	**48**±11	**4.5b,3.6s**	**77**	**3-151**
BJI	III	19 13 20 30.2	10.68S	112.82E	27	4.7b		¶97iii3713
NEIC	III	19 13 20 31.6	10.69S	112.73E	33	4.7b		
MOS	III	19 13 20 32.0	10.5S	112.8E	33	5.0b		
EIDC	III	19 13 20 34.4	10.7S	112.9E	35	4.3b,3.5s		
ISC	**III**	**29 08 52 45**±4.6	**9.1S**±.48	**113.0E**±.20	**33**		**5**	**1-3**
								¶97iii5562
ISC	**III**	**29 18 51 31**±5.2	**9.1S**±.62	**108.8E**±.16	**100**		**7**	**2-5**
								¶97iii5634
ISC	**IV**	**02 09 06 05.8**±.93	**9.60S**±.085	**113.98E**±.084	**33**	3.5b	**10**	**1-24**
NEIC	IV	02 09 06 05.6	9.59S	113.99E	33	4.1b		¶97iv0219
NEIC		Less reliable solution.						
ISC	**IV**	**02 14 15 20**±5.7	**9.3S**±.61	**113.2E**±.17	**33**		**5**	**1-3**
								¶97iv0257
ISC	**IV**	**03 21 59 11.5**±.71	**10.91S**±.062	**112.95E**±.084	**33**	3.9b	**12**	**3-22**
								¶97iv0482
ISC	**IV**	**16 10 52 56**±1.4	**11.1S**±.10	**111.9E**±.17	**27**	**3.3b**	**7**	**4-34**
EIDC	IV	16 10 53 00.4	10.5S	112.6E	27	3.2b		¶97iv2745
ISC	**IV**	**23 01 38 38**±3.7	**9.62S**±.059	**107.84E**±.091	**24**±27	**4.4b,4.1s**	**68**	**3-154**
BJI	IV	23 01 38 32.0	10.51S	108.10E	33	5.0b,4.7s		¶97iv3868
EIDC	IV	23 01 38 35.5	9.6S	107.7E	0	4.4b,3.9s		
NEIC	IV	23 01 38 38.7	9.57S	107.84E	33	4.5b		
MOS	IV	23 01 38 39.1	9.6S	107.9E	33	5.4b		
ISC	**VI**	**12 01 23 32**±2.8	**9.1S**±.40	**111.1E**±.11	**33**		**5**	**2-5**
								¶97vi1783
ISC	**VI**	**12 06 23 50**±7.1	**9.5S**±.32	**112.5E**±.71	**33**	**3.7b**	**11**	**2-81**
NEIC	VI	12 06 24 05.4	10.87S	113.60E	33	3.7b		¶97vi1808
EIDC	VI	12 06 24 34.9	10.6S	115.1E	262	3.0b		
NEIC		Poor solution.						
ISC	**VI**	**18 07 26 05**±1.4	**8.3S**±.11	**105.3E**±.19	**33**	**3.7b**	**10**	**2-50**
EIDC	VI	18 07 26 03.3	8.1S	105.6E	0	3.9b		¶97vi2743
NEIC	VI	18 07 26 06.2	8.09S	105.69E	33			
NEIC		Poor solution.						
ISC	**VI**	**19 11 12 15.0**±.76	**9.3S**±.14	**112.41E**±.065	**33**	**3.9b**	**12**	**2-35**
EIDC	VI	19 11 12 18.0	9.3S	113.3E	0	3.9b		¶97vi2906
ISC	**VI**	**25 05 00 43**±1.3	**10.78S**±.088	**112.4E**±.15	**33**	**3.8b**	**11**	**3-34**
EIDC	VI	25 05 00 42.6	10.3S	113.1E	0	3.8b		¶97vi3851

(283) Bali region.

ISC	**I**	**09 13 32 03**±1.5	**8.5S**±.59	**114.8E**±.29	**33**	**3.7b**	**9**	**0-34**
EIDC	I	09 13 31 58.4	8.3S	114.8E	0	3.7b		¶97i1224
NEIC	I	09 13 32 02.3	8.29S	114.86E	33	3.8b		
NEIC		Poor solution.						
ISC	**I**	**13 14 01 38**±1.4	**8.1S**±.31	**114.9E**±.16	**33**	**4.0b**	**10**	**1-40**
EIDC	I	13 14 01 27.0	6.7S	115.0E	0	4.0b		¶97i1849
ISC	**I**	**31 18 06 44.5**±.62	**8.67S**±.061	**114.85E**±.058	**70**±7.0	**4.5b**	**44**	**0-155**
BJI	I	31 18 06 43.9	8.96S	114.68E	76			¶97i4659
NEIC	I	31 18 06 44.5	8.60S	114.85E	76	4.8b		
EIDC	I	31 18 06 46.9	8.9S	114.8E	79	4.1b		
NEIC		Felt at Denpasar. Also felt I=II MM at Kahang-Kahang.						
ISC	**III**	**18 19 07 30**±2.4	**8.6S**±.87	**115.7E**±.23	**150**		**4**	**0-2**
ISC		Poorly determined						¶97iii3580
ISC	**IV**	**01 20 33 16**±3.7	**8.8S**±.95	**115.8E**±.25	**150**		**4**	**0-2**
ISC		Poorly determined						¶97iv0135
ISC	**IV**	**12 19 43 17**±2.3	**8.0S**±.24	**114.74E**±.086	**22**±18		**7**	**0-1**
								¶97iv2117
ISC	**VI**	**26 20 56 53.5**±.67	**9.0S**±.12	**114.62E**±.063	**99**±12	3.7b	**14**	**1-24**
								¶97vi4201

(284) South of Bali.

NEIC	**I**	**06 02 51 13.5**	**9.51S**	**114.27E**	**100**	**4.2b**		**13-117**
EIDC	I	06 02 51 02.5	8.8S	114.6E	0	4.2b		¶97i0739
NEIC		Poor solution.						
EIDC	**I**	**06 14 35 41.4**	**9.9S**	**115.8E**	**0**	**3.5b**		**20-150**
								¶97i0800
ISC	**III**	**14 17 40 00**±7.6	**9.1S**±.63	**115.8E**±.27	**33**		**4**	**1-2**
ISC		Poorly determined						¶97iii2924
ISC	**III**	**18 02 14 34**±10	**9.7S**±.80	**115.2E**±.19	**33**		**4**	**1-2**
ISC		Poorly determined						¶97iii3472
ISC	**III**	**19 12 31 24**±8.6	**9.6S**±.69	**115.3E**±.18	**33**		**4**	**1-2**
ISC		Poorly determined						¶97iii3705
ISC	**III**	**28 07 54 19**±3.3	**9.4S**±.32	**114.04E**±.089	**33**		**8**	**1-3**
								¶97iii5384
ISC	**IV**	**01 13 35 34**±7.0	**9.6S**±.54	**115.2E**±.15	**33**		**6**	**1-2**
								¶97iv0076
ISC	**IV**	**20 22 30 37**±5.5	**9.0S**±.50	**115.7E**±.17	**33**		**4**	**1-2**
ISC		Poorly determined						¶97iv3370

(285) Sumbawa region.

EIDC	**I**	**14 01 58 23.9**	**9.5S**	**118.6E**	**0**	3.5b,3.4L		**18-31**
								¶97i1934
ISC	**I**	**24 06 28 12**±2.8	**8.6S**±.45	**118.4E**±.71	**33**	**3.9b**	**7**	**19-68**
EIDC	I	24 06 28 12.7	8.2S	119.4E	0	3.9b,3.5L		¶97i3610
ISC	**II**	**26 21 57 52.0**±.51	**8.12S**±.041	**118.59E**±.057	**199**±6.2	**4.2b**	**60**	**2-146**
BJI	II	26 21 57 48.3	8.21S	118.79E	172	4.5b		¶97ii3862
NEIC	II	26 21 57 50.3	8.06S	118.76E	181	4.8b		
EIDC	II	26 21 57 51.6	8.0S	118.9E	171	4.0b		
ISC	**III**	**09 21 49 05**±2.5	**8.6S**±.43	**118.7E**±.68	**33**	**4.1b**	**7**	**19-100**
NEIC	III	09 21 49 05.0	8.64S	118.71E	33	3.9b		¶97iii2095
EIDC	III	09 21 49 05.5	9.0S	118.7E	0	4.4b,4.0L		
NEIC		Poor solution.						
ISC	**III**	**16 11 52 55.3**±.88	**8.7S**±.14	**118.31E**±.086	**150**	3.6b	**7**	**2-21**
								¶97iii3214
ISC	**III**	**16 12 36 12**±1.5	**8.6S**±.33	**118.2E**±.30	**165**±64	3.4b	**7**	**2-21**
								¶97iii3223
ISC	**III**	**21 14 25 51**±2.9	**8.2S**±.54	**118.5E**±.20	**150**	3.7b	**9**	**2-21**
								¶97iii4083
ISC	**III**	**21 19 14 16**±2.5	**8.11S**±.059	**117.84E**±.055	**30**±23	**3.9b**	**21**	**2-68**
EIDC	III	21 19 14 13.8	8.1S	117.9E	0	3.8b,3.9L		¶97iii4118
NEIC	III	21 19 14 16.3	8.15S	117.82E	33	4.0b		
NEIC		Less reliable solution.						
ISC	**III**	**26 19 38 23**±1.4	**8.9S**±.22	**118.1E**±.13	**150**		**7**	**2-18**
								¶97iii5062
ISC	**IV**	**09 19 06 36.7**±.49	**8.13S**±.060	**117.69E**±.063	**231**±6.8	**3.9b**	**26**	**2-100**
NEIC	IV	09 19 06 36.1	8.04S	117.85E	222	4.6b		¶97iv1567
EIDC	IV	09 19 06 39.1	7.9S	118.2E	231	3.6b		
NEIC		Less reliable solution.						
ISC	**IV**	**10 04 29 19.1**±.97	**9.22S**±.079	**118.93E**±.071	**88**±18	**4.3b**	**28**	**3-147**
EIDC	IV	10 04 29 08.5	8.9S	118.9E	0	4.3b,3.9L		¶97iv1627
NEIC	IV	10 04 29 19.0	9.20S	119.00E	89	4.2b		
ISC	**IV**	**11 01 16 22.3**±.56	**9.06S**±.061	**118.83E**±.057	**132**±7.5	**4.3b**	**42**	**2-151**
BJI	IV	11 01 16 18.7	9.10S	118.94E	97	4.8b		¶97iv1776
NEIC	IV	11 01 16 20.8	8.89S	118.96E	116	4.4b		
EIDC	IV	11 01 16 27.4	8.8S	119.4E	153	4.0b		
NEIC		Less reliable solution.						
ISC	**IV**	**28 11 13 58**±1.3	**8.7S**±.12	**118.3E**±.12	**150**		**6**	**2-12**
								¶97iv4905
ISC	**V**	**15 01 02 26**±5.6	**8.2S**±.67	**117.8E**±.47	**100**		**7**	**2-5**
								¶97v2534
ISC	**V**	**21 03 26 30.3**±.97	**9.7S**±.15	**118.87E**±.086	**68**±48		**8**	**1-17**
								¶97v3503
ISC	**V**	**31 21 29 56**±3.5	**8.47S**±.082	**118.4E**±.14	**114**±35	**4.1b**	**28**	**12-151**
EIDC	V	31 21 29 44.5	8.4S	118.1E	0	4.3b,4.6L		¶97v5243
NEIC	V	31 21 29 54.9	8.49S	118.50E	100			
NEIC		Single network solution.						
ISC	**VI**	**04 19 44 07**±4.1	**8.0S**±.37	**117.7E**±.88	**33**	**3.8b**	**9**	**20-155**
EIDC	VI	04 19 44 02.5	8.2S	117.2E	0	3.7b		¶97vi0665
ISC	**VI**	**16 10 27 48.8**±.77	**9.27S**±.054	**118.19E**±.063	**117**±9.0	**4.3b**	**41**	**2-136**
BJI	VI	16 10 27 45.1	9.30S	118.00E	102	4.5b		¶97vi2443
NEIC	VI	16 10 27 47.1	9.35S	118.03E	102	4.7b		
EIDC	VI	16 10 27 47.4	9.4S	118.0E	89	4.0b		
NEIC		Less reliable solution.						
ISC	**VI**	**16 15 42 09.8**±.71	**8.20S**±.062	**118.54E**±.073	**198**±8.7	**4.1b**	**38**	**3-155**
BJI	VI	16 15 42 05.3	8.10S	118.50E	150	4.5b		¶97vi2488
NEIC	VI	16 15 42 05.3	8.10S	118.51E	150	4.5b		
EIDC	VI	16 15 42 12.8	8.1S	118.9E	208	3.9b		
NEIC		Less reliable solution.						
ISC	**VI**	**28 23 59 00.2**±.59	**8.0S**±.12	**117.5E**±.11	**248**±16	**4.4b**	**21**	**1-33**
EIDC	VI	28 23 58 14.1	6.1S	115.9E	0	4.2b		¶97vi4545

(286) Flores region.

EIDC	**I**	**11 10 53 40.5**	**8.8S**	**123.5E**	**0**	3.6L,3.9b		**15-29**
								¶97i1510
ISC	**I**	**17 11 20 21.8**±.76	**8.87S**±.024	**123.54E**±.027	**110**±7.3	**6.0b**	**563**	**1-175**
BJI	I	17 11 20 20.9	8.93S	123.68E	107	6.2b		¶97i2437
NEIC	I	17 11 20 22.0	8.90S	123.54E	111	6.2b		
MOS	I	17 11 20 22.3	8.6S	123.7E	104	6.7b		
EIDC	I	17 11 20 24.5	8.8S	123.6E	117	5.7b,5.6s		
HRVD	I	17 11 20 28.0±.1	8.88S±.01	123.72E±.01	113±.7			

NEIC Mw6.2(GS), Me6.0(GS)

NEIC Mw 6.2 (HRV). Felt I=IV MM at Waingapu.

NEIC Radiated energy from the P−wave first−motion solution: 2.1±0.4×10^{13}Nm/15

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S70°,δ86°,λ120°. NP2:ϕ_S167°,δ30°,λ8°. Principal axes: T Plg41°,Azm8°; P Plg34°,Azm135°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s21, scale 10^{18}Nm; M_{rr}−0.14; $M_{\theta\theta}$0.70; $M_{\phi\phi}$−0.56; $M_{r\theta}$1.77; $M_{r\phi}$1.11; $M_{\theta\phi}$−0.25. Depth 111km; Principal axes: T 2.20,Plg41°,Azm345°; N 0.00,Plg18°, Azm239°; P −2.20,Plg44°,Azm131°. Best double couple: $M_0$2.2×10^{18}Nm; NP1:ϕ_S143°,δ18°, λ−6°. NP2:ϕ_S239°,δ88°,λ−108°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c125; Mantle waves: s43,c72; Half duration: 3s1. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.19±.02; $M_{\theta\theta}$0.20±.02; $M_{\phi\phi}$−0.01±.03; $M_{r\theta}$1.70±.01; $M_{r\phi}$1.05±.02; $M_{\theta\phi}$−0.27±.02. Principal Axes: T 1.86,Plg44°,Azm336°; N 0.29,Plg6°,Azm240°; P −2.15,Plg45°,Azm143°. Best double couple: $M_0$2.0×10^{18}Nm, NP1:ϕ_S143°,δ6°,λ−7°. NP2:ϕ_S240°,δ89°,λ−96°.

ISC	**I**	**20 18 46 11**±1.4	**8.8S**±.11	**122.5E**±.11	**134**±14	**3.4b**	**15**	**2-82**
EIDC	I	20 18 45 58.6	8.5S	122.6E	0	3.7b,4.0L		¶97i3063
NEIC	I	20 18 46 11.1	8.87S	122.45E	139	4.4b		
NEIC		Less reliable solution.						
ISC	**I**	**24 05 39 04**±8.7	**8.5S**±.99	**119.5E**±.69	**33**	4.1b	**6**	**18-31**
EIDC	I	24 05 39 09.2	9.4S	119.7E	0	3.4L,4.3b		¶97i3603
ISC	**II**	**07 08 45 08.0**±.64	**8.35S**±.057	**119.51E**±.079	**205**±9.2	**4.8b**	**27**	**3-145**
EIDC	II	07 08 44 46.5	8.1S	119.0E	0	4.5b,4.9L		¶97ii0971
MOS	II	07 08 44 55.5	8.0S	119.3E	100	5.2b		
BJI	II	07 08 44 57.4	8.10S	119.40E	100	5.4b		
NEIC	II	07 08 44 57.4	8.09S	119.40E	100	4.8b		
NEIC		Less reliable solution.						
EIDC	**II**	**11 01 12 53.3**	**8.4S**	**122.6E**	**0**	3.6L,4.2b		**16-29**
								¶97ii1562
ISC	**II**	**25 20 45 52**±2.0	**8.5S**±.28	**120.0E**±.13	**81**±51	3.7b	**10**	**4-22**
								¶97ii3688
ISC	**III**	**02 05 26 15**±1.0	**8.44S**±.046	**121.84E**±.069	**44**±11	**4.6b**	**44**	**4-145**
MOS	III	02 05 26 09.8	8.3S	121.8E	10	5.1b		¶97iii0247
NEIC	III	02 05 26 10.5	8.32S	121.69E	10	4.7b		
EIDC	III	02 05 26 11.6	8.4S	122.0E	0	4.5b,4.6L		

BJI	III	02 05 26 16.4	7.50S	121.80E	5	4.8b		
ISC	**III**	**08 23 42 31.4**±.88	**8.16S**±.093	**120.65E**±.091	**33**		**8**	**4-20**
								¶97iii1864
EIDC	**IV**	**02 19 04 53.0**	**8.1S**	**122.6E**	**119**	3.6L,3.6b		**2-29**
								¶97iv0290
ISC	**IV**	**07 16 58 23**±2.1	**8.6S**±.20	**123.4E**±.12	**69**±25	4.1b	**14**	**7-31**
NEIC	IV	07 16 58 28.3	8.94S	123.55E	100	4.3b		¶97iv1191
NEIC	Poor solution.							
ISC	**IV**	**19 17 22 31**±1.3	**8.1S**±.11	**119.9E**±.11	**180**±15	**4.2b**	**24**	**4-90**
NEIC	IV	19 17 22 32.9	8.14S	119.96E	200	4.6b		¶97iv3222
BJI	IV	19 17 22 35.1	8.06S	120.41E	219	4.0b		
EIDC	IV	19 17 22 35.3	8.3S	120.0E	204	3.9b		
NEIC	Less reliable solution.							
ISC	**V**	**01 07 20 31**±1.7	**8.4S**±.20	**120.8E**±.12	**158**±21	**4.5b**	**18**	**5-62**
EIDC	V	01 07 20 05.6	7.2S	120.4E	0	4.5b,4.4L		¶97v0055
NEIC	V	01 07 20 16.0	7.38S	120.39E	100	4.5b		
NEIC	Poor solution.							
ISC	**V**	**18 16 08 50.9**±.66	**8.00S**±.030	**120.25E**±.046	**239**±6.7	**4.9b**	**211**	**4-154**
MOS	V	18 16 08 45.7	7.9S	120.2E	189	5.4b		¶97v3117
BJI	V	18 16 08 46.9	7.90S	120.20E	201	5.1b		
NEIC	V	18 16 08 46.9	7.97S	120.17E	201	5.3b		
EIDC	V	18 16 08 48.8	8.0S	120.2E	204	4.7b		
ISC	**V**	**18 16 18 54**±1.9	**8.34S**±.042	**121.97E**±.059	**32**±15	**4.6b**	**57**	**4-154**
BJI	V	18 16 18 54.2	8.30S	122.00E	33	5.0b		¶97v3118
NEIC	V	18 16 18 54.2	8.27S	122.05E	33	4.7b		
EIDC	V	18 16 18 56.3	8.2S	122.0E	36	4.3b,4.9L		
ISC	**V**	**18 23 25 33**±4.8	**8.1S**±.46	**123.6E**±.25	**150**	4.0b	**7**	**10-29**
EIDC	V	18 23 25 05.9	6.6S	123.4E	0	4.3L,4.3b		¶97v3161
NEIC	V	18 23 25 32.9	8.19S	123.66E	150	4.3b		
NEIC	Poor solution.							
ISC	**V**	**31 20 59 40**±3.0	**8.82S**±.099	**123.7E**±.11	**39**±28	**4.1b**	**26**	**9-152**
EIDC	V	31 20 59 36.4	8.8S	123.8E	0	4.2b,4.6L		¶97v5239
ISC	**VI**	**17 17 49 56.2**±.73	**8.24S**±.034	**122.78E**±.037	**153**±7.9	**4.8b**	**137**	**4-153**
MOS	VI	17 17 49 55.1	8.2S	122.7E	146	5.0b		¶97vi2672
BJI	VI	17 17 49 55.2	8.25S	122.82E	143	5.1b		
NEIC	VI	17 17 49 55.5	8.22S	122.78E	145	5.2b		
EIDC	VI	17 17 50 00.7	8.3S	122.8E	183	4.6b,3.3s		
EIDC	**VI**	**19 12 24 41.3**	**9.0S**	**119.6E**	**0**	3.7b,4.1L		**1-31**
								¶97vi2919
ISC	**VI**	**19 23 26 16.2**±.83	**8.83S**±.036	**122.37E**±.040	**101**±8.5	**5.0b**	**139**	**2-154**
MOS	VI	19 23 26 10.0	8.7S	122.3E	46	5.5b		¶97vi2975
NEIC	VI	19 23 26 10.5	8.73S	122.42E	50	5.4b		
BJI	VI	19 23 26 10.6	8.80S	122.43E	46	5.0b,5.3s		
EIDC	VI	19 23 26 12.3	8.9S	122.3E	47	4.8b,5.4L		

(287) Sumba region.

ISC	**I**	**03 13 19 47**±1.4	**9.5S**±.56	**119.2E**±.17	**142**±25	4.1b	**10**	**1-30**
EIDC	I	03 13 19 20.7	8.4S	118.3E	0	4.0b,4.3L		¶97i0379
NEIC	I	03 13 19 46.4	10.18S	119.04E	100	4.1b		
NEIC	Poor solution.							
ISC	**I**	**11 07 50 22.6**±.89	**9.2S**±.13	**120.6E**±.13	**33**	**4.4b**	**15**	**10-52**
EIDC	I	11 07 50 17.2	6.1S	125.2E	0	4.3L,4.3b		¶97i1491
ISC	**I**	**19 11 14 30**±1.1	**9.7S**±.15	**120.4E**±.18	**42**±13	**4.1b**	**9**	**0-70**
EIDC	I	19 11 14 27.0	9.4S	120.8E	0	4.1b,4.0L		¶97i2830
NEIC	I	19 11 14 28.9	9.57S	120.62E	33	4.1b		
NEIC	Felt I=III MM, Less reliable solution.							
NEIC	Felt I=III MM at Waingapu.							
ISC	**I**	**24 06 13 38**±5.9	**9.9S**±.50	**120.1E**±.34	**33**	**4.0b**	**8**	**17-30**
EIDC	I	24 06 13 34.1	10.2S	119.6E	0	4.2b,4.1L		¶97i3607
ISC	**I**	**25 09 05 04**±1.2	**9.1S**±.10	**119.6E**±.16	**121**±12	**4.0b**	**17**	**1-135**
EIDC	I	25 09 05 01.0	8.9S	119.7E	62	3.9b,4.1L		¶97i3779
NEIC	I	25 09 05 04.4	9.13S	119.62E	114	3.9b		
NEIC	Less reliable solution.							
ISC	**II**	**10 19 25 22**±2.4	**9.57S**±.031	**119.50E**±.032	**3**±14	**5.5b,5.4s**	**298**	**4-153**
EIDC	II	10 19 25 23.6	9.6S	119.5E	0	5.3b,5.4s		¶97ii1506
BJI	II	10 19 25 26.1	9.69S	119.49E	33	5.9b,5.4s		
MOS	II	10 19 25 26.3	9.6S	119.5E	33	6.0b,5.3s		
NEIC	II	10 19 25 26.9	9.64S	119.51E	33	5.6b,5.6s		
HRVD	II	10 19 25 36.3±.3	9.77S±.02	119.55E±.03	45±1.9			
NEIC	Mw5.9(HRV), Me5.6(GS).							
NEIC	Radiated energy from the USGS moment tensor solution: $5.0\pm1.6\times10^{12}$Nm/8							
NEIC	Mw 5.8 (GS). Two events about 1.5 seconds apart. Depth from synthetics of broadband displacement seismograms, based on first event.							
NEIC	Moment tensor solution: s20, scale 10^{17}Nm; M_{rr}2.54; $M_{\theta\theta}$−2.27; $M_{\phi\phi}$−0.27; $M_{r\theta}$5.55; $M_{r\phi}$−0.73; $M_{\theta\phi}$0.12. Depth 26km; Principal axes: T 6.23,Plg57°,Azm9°; N −0.27,Plg1°, Azm277°; P −5.96,Plg33°,Azm186°. Best double couple: $M_0$6.1×10^{17}Nm; NP1:ϕ_S271°,δ12°, λ84°. NP2:ϕ_S97°,δ78°,λ91°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c73; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}4.43±.18; $M_{\theta\theta}$−6.73±.19; $M_{\phi\phi}$2.30±.33; $M_{r\theta}$6.61±.33; $M_{r\phi}$−1.31±.22; $M_{\theta\phi}$1.08±.17. Principal Axes: T 7.61,Plg65°,Azm19°; N 2.38, Plg4°,Azm280°; P −9.99,Plg25°,Azm188°. Best double couple: $M_0$8.8×10^{17}Nm, NP1: ϕ_S268°,δ20°,λ77°. NP2:ϕ_S101°,δ70°,λ95°.							
ISC	**II**	**23 22 21 21.8**±.97	**9.37S**±.063	**120.75E**±.096	**124**±15	**4.1b**	**20**	**5-70**
EIDC	II	23 22 21 11.3	8.8S	121.4E	0	4.3b,4.1L		¶97ii3382
ISC	**III**	**07 10 53 54**±1.4	**10.2S**±.16	**119.3E**±.14	**33**	5.2b	**5**	**4-30**
								¶97iii1502
ISC	**IV**	**13 15 57 05**±1.1	**9.87S**±.081	**119.21E**±.083	**88**±23	3.5b	**16**	**3-35**
EIDC	IV	13 15 56 57.3	9.5S	119.4E	0	3.5L,3.4b		¶97iv2261
ISC	**IV**	**26 13 17 04**±1.3	**9.21S**±.086	**120.55E**±.091	**78**±33	3.8b	**18**	**4-99**
EIDC	IV	26 13 17 14.4	9.7S	121.3E	82	4.3L,3.9b		¶97iv4556
NEIC	IV	26 13 17 14.6	9.96S	121.05E	100	3.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**27 05 44 41.4**±.90	**9.54S**±.052	**119.40E**±.061	**56**±9.5	**4.3b**	**51**	**3-153**
EIDC	IV	27 05 44 35.6	9.5S	119.1E	0	4.3b,4.3L		¶97iv4670
BJI	IV	27 05 44 38.9	9.60S	119.30E	33			
NEIC	IV	27 05 44 38.9	9.55S	119.26E	33	4.4b		
ISC	**VI**	**15 12 23 01.1**±.59	**9.62S**±.085	**120.35E**±.076	**33**	**3.9b**	**15**	**4-30**
EIDC	VI	15 12 23 08.6	10.1S	121.1E	0	3.8L,4.1b		¶97vi2290
NEIC	VI	15 12 23 09.6	9.96S	121.02E	33	3.5b		
NEIC	Poor solution.							

(288) Savu Sea.

ISC	**III**	**24 13 39 12**±1.3	**10.6S**±.15	**121.3E**±.17	**33**		**6**	**1-19**
								¶97iii4574

(289) Timor.

ISC	**I**	**02 02 43 40.6**±.91	**10.4S**±.16	**124.1E**±.21	**33**	**3.7b**	**13**	**7-153**
EIDC	I	02 02 43 38.4	10.3S	124.3E	0	3.9b,3.9L		¶97i0152
NEIC	I	02 02 43 40.7	10.40S	124.08E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**05 08 11 30.5**±.27	**8.90S**±.041	**125.08E**±.061	**33**	**4.6b,4.1s**	**71**	**6-155**
EIDC	I	05 08 11 27.0	9.0S	125.3E	0	4.4b,3.8s		¶97i0639
BJI	I	05 08 11 29.8	8.81S	125.20E	29	5.0b		
NEIC	I	05 08 11 30.7	8.93S	125.08E	33	4.5b		
ISC	**I**	**15 11 10 35.3**±.53	**8.8S**±.10	**124.5E**±.14	**100**	4.2b	**23**	**2-112**
EIDC	I	15 11 10 40.6	10.0S	124.5E	0	4.6L,3.8b		¶97i2145
NEIC	I	15 11 10 42.9	9.59S	124.42E	100	4.4b		
NEIC	Poor solution.							
ISC	**I**	**22 18 14 55.4**±.23	**8.79S**±.039	**124.36E**±.061	**33**	**4.9b**	**85**	**15-156**
EIDC	I	22 18 14 51.6	8.9S	124.1E	0	4.8b,5.3L		¶97i3363
MOS	I	22 18 14 55.2	8.8S	124.2E	33	5.6b		
NEIC	I	22 18 14 55.2	8.82S	124.29E	33	5.1b		
BJI	I	22 18 15 00.1	8.18S	124.07E	31	5.1b		
ISC	**I**	**22 19 13 26.2**±.62	**9.1S**±.17	**124.5E**±.25	**150**	**4.1b**	**15**	**14-69**
NEIC	I	22 19 13 22.4	8.99S	124.65E	100	3.8b		¶97i3372
EIDC	I	22 19 13 34.1	9.4S	124.6E	215	3.5b		
NEIC	Poor solution.							
ISC	**II**	**01 06 57 06**±1.2	**9.05S**±.049	**123.99E**±.050	**77**±12	**4.6b**	**58**	**6-152**
EIDC	II	01 06 56 58.4	8.9S	124.3E	0	4.4b,4.8L		¶97ii0034
BJI	II	01 06 57 00.1	9.16S	123.78E	33	4.8b,5.1s		
NEIC	II	01 06 57 01.5	8.97S	124.15E	33	4.7b		
ISC	**II**	**09 01 54 35.4**±.78	**10.43S**±.038	**123.89E**±.058	**48**±8.1	**4.7b,4.2s**	**74**	**0-154**
EIDC	II	09 01 54 30.6	10.5S	123.8E	0	4.5b,4.1s		¶97ii1235
BJI	II	09 01 54 33.0	10.42S	123.95E	32	4.9b		
NEIC	II	09 01 54 34.0	10.43S	123.88E	33	4.7b,4.3s		
MOS	II	09 01 54 34.6	10.5S	124.0E	33	5.3b		
ISC	**II**	**24 15 13 28.6**±.99	**10.4S**±.12	**123.9E**±.16	**33**	**3.9b**	**10**	**7-72**
EIDC	II	24 15 13 26.3	10.5S	124.0E	0	4.1b,4.0L		¶97ii3496
NEIC	II	24 15 13 28.5	10.45S	123.93E	33	3.8b		
NEIC	Poor solution.							
ISC	**II**	**25 19 00 57.9**±.78	**8.3S**±.15	**127.2E**±.26	**33**	**3.7b**	**10**	**7-72**
EIDC	II	25 19 00 55.4	8.2S	127.2E	0	3.8b,4.1L		¶97ii3674
NEIC	II	25 19 00 57.9	8.27S	127.17E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**06 17 37 49**±3.9	**8.7S**±.21	**124.2E**±.32	**58**±40	**3.8b**	**11**	**8-71**
EIDC	III	06 17 37 52.8	8.8S	124.4E	81	3.6b,4.3L		¶97iii1322
NEIC	III	06 17 37 52.9	8.86S	124.28E	100	4.2b		
NEIC	Poor solution.							
ISC	**III**	**12 10 36 07**±7.3	**8.3S**±.68	**125.1E**±.84	**100**	3.7b	**6**	**8-28**
EIDC	III	12 10 36 19.4	9.3S	125.1E	119	3.8b		¶97iii2516
EIDC	**III**	**15 05 13 51.6**	**8.7S**	**128.0E**	**98**	4.2L,3.6b		**7-26**
								¶97iii3007
ISC	**III**	**19 06 02 25**±2.5	**10.0S**±.16	**124.0E**±.15	**43**±32	4.6b	**8**	**4-50**
NEIC	III	19 06 02 24.0	9.98S	124.01E	33	4.1b		¶97iii3643
NEIC	Less reliable solution.							
ISC	**III**	**23 08 01 11**±1.9	**9.5S**±.50	**124.7E**±.84	**33**	3.9b	**8**	**14-131**
EIDC	III	23 08 01 08.1	9.5S	124.7E	0	3.8L,4.0b		¶97iii4420
ISC	**IV**	**14 20 27 35**±1.1	**10.6S**±.35	**124.0E**±.48	**70**	**3.6b**	**7**	**14-72**
NEIC	IV	14 20 27 34.8	10.63S	124.01E	70	3.8b		¶97iv2509
EIDC	IV	14 20 27 35.7	10.6S	124.0E	69	3.7L,3.1b		
NEIC	Poor solution.							
ISC	**IV**	**16 10 23 11.6**±.80	**9.3S**±.12	**124.7E**±.15	**33**	3.9b	**15**	**7-29**
NEIC	IV	16 10 23 16.8	9.81S	124.77E	33	4.1b		¶97iv2743
EIDC	IV	16 10 23 17.0	10.2S	124.7E	0	4.4L,3.9b		
NEIC	Poor solution.							
ISC	**IV**	**22 21 18 48.7**±.52	**9.20S**±.068	**124.41E**±.069	**33**	**4.1b**,3.3s	**28**	**4-145**
EIDC	IV	22 21 18 46.3	9.0S	124.6E	0	4.1b,4.4L		¶97iv3828
NEIC	IV	22 21 18 48.7	9.25S	124.47E	33	4.3b		
EIDC	**V**	**03 23 32 05.8**	**8.5S**	**128.0E**	**0**	3.9b,4.5L		**7-26**
								¶97v0518
ISC	**V**	**15 11 32 10**±2.1	**9.3S**±.31	**123.9E**±.18	**150**		**8**	**8-19**
								¶97v2604
ISC	**V**	**17 13 41 27**±1.3	**10.3S**±.21	**123.3E**±.23	**114**±14	3.7b	**9**	**0-51**
EIDC	V	17 13 40 47.9	8.0S	121.9E	0	3.5L,4.1b		¶97v2939
NEIC	V	17 13 41 17.2	9.77S	122.48E	150	3.7b		
NEIC	Poor solution.							
ISC	**V**	**17 15 39 08**±3.3	**9.6S**±.36	**125.8E**±.17	**153**		**5**	**2-17**
NEIC	V	17 15 39 08.2	9.62S	125.78E	153	3.7b		¶97v2956
NEIC	Poor solution.							
ISC	**V**	**22 08 24 06**±1.3	**8.1S**±.24	**126.9E**±.46	**33**	3.8b	**4**	**14-45**
EIDC	V	22 08 24 03.8	8.2S	126.7E	0	3.1L,3.9b		¶97v3739
ISC	Poorly determined							
ISC	**V**	**23 05 16 17**±7.9	**9.1S**±.59	**125.5E**±.40	**33**	3.5b	**7**	**9-27**
EIDC	V	23 05 16 17.5	9.8S	125.0E	0	3.8L,3.8b		¶97v3891
ISC	**VI**	**01 13 33 06.5**±.99	**9.6S**±.13	**124.5E**±.22	**33**	3.7b	**9**	**9-70**
EIDC	VI	01 13 33 12.2	9.7S	124.8E	57	4.2L,3.6b		¶97vi0091
ISC	**VI**	**03 04 14 32**±1.4	**8.5S**±.15	**127.6E**±.19	**150**	4.0b	**9**	**10-39**
EIDC	VI	03 04 14 30.4	7.5S	129.2E	154	3.8b		¶97vi0383
ISC	**VI**	**04 13 19 58.7**±.87	**8.3S**±.13	**126.0E**±.28	**33**	**4.2b**	**11**	**14-69**
EIDC	VI	04 13 19 56.0	8.3S	126.1E	0	4.3b,3.9L		¶97vi0620
NEIC	VI	04 13 19 58.7	8.32S	126.02E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**05 16 37 48**±2.4	**8.9S**±.14	**124.4E**±.14	**57**±27	**4.1b**,3.7s	**17**	**4-145**
EIDC	VI	05 16 37 43.1	8.9S	124.3E	0	4.1b,4.4L		¶97vi0805
NEIC	VI	05 16 37 47.5	8.97S	124.26E	50	4.7b		
BJI	VI	05 16 37 48.0	9.72S	123.50E	72			
NEIC	Less reliable solution.							
ISC	**VI**	**22 14 17 16**±1.4	**10.4S**±.23	**124.1E**±.18	**33**	3.5b	**8**	**1-27**
EIDC	VI	22 14 17 10.6	10.0S	124.2E	0	4.0L,3.9b		¶97vi3398
NEIC	VI	22 14 17 16.2	10.41S	124.13E	33	4.1b		
NEIC	Less reliable solution.							

(290) Timor Sea.

ISC	**I**	**03 13 14 44**±1.1	**8.3S**±.13	**128.9E**±.23	**294**±20		**11**	**2-56**
								¶97i0377
ISC	**I**	**08 12 54 01**±7.3	**10.1S**±.51	**126.0E**±.42	**33**	3.4b	**8**	**6-26**
EIDC	I	08 12 53 59.4	10.3S	125.6E	0	4.2L,3.7b		¶97i1062
NEIC	I	08 12 54 12.3	10.28S	126.65E	100	3.8b		
NEIC	Poor solution.							
ISC	**I**	**16 01 24 42**±8.2	**8.2S**±.86	**128.9E**±.30	**33**		**4**	**6-16**
ISC	Poorly determined							¶97i2235
ISC	**I**	**31 07 52 05**±6.0	**8.7S**±.37	**128.5E**±.27	**170**±59		**6**	**7-55**
								¶97i4599
EIDC	**II**	**01 09 35 01.0**	**8.5S**	**130.0E**	**0**	3.4L,3.9b		**12-26**
								¶97ii0051
ISC	**II**	**07 14 41 48**±7.8	**10.5S**±.62	**126.2E**±.55	**33**	3.7b	**7**	**12-26**
EIDC	II	07 14 41 34.9	9.8S	125.8E	0	3.4L,4.0b		¶97ii1002

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II 08 11 49 57**±7.7	**8.4S**±.65	**128.4E**±.46	**33**	3.7b	**6**	**6-26**
EIDC	II 08 11 49 52.8	7.9S	129.3E	0	3.5L,4.0b		¶97ii1133
EIDC	**II 08 13 37 55.9**	**11.6S**	**129.3E**	**281**	3.1b		**4-23**
							¶97ii1147
AUST	**III 14 23 58 01.0**	**10.85S**	**130.55E**	**12**	**3.1L**		¶97iii2964
ISC	**III 22 05 44 10**±7.0	**8.4S**±.58	**128.2E**±.37	**150**	3.9b	**7**	**7-27**
EIDC	III 22 05 44 07.2	7.9S	129.2E	86	4.3L,3.8b		¶97iii4209
ISC	**III 30 00 08 10**±7.8	**8.8S**±.57	**129.2E**±.47	**33**	3.4b	**6**	**7-26**
EIDC	III 30 00 08 01.6	9.0S	127.4E	0	4.1L,3.6b		¶97iii5666
EIDC	**IV 01 23 12 42.0**	**8.4S**	**128.4E**	**24**	3.7L		**13-127**
							¶97iv0156
ISC	**IV 04 10 53 44.7**±.72	**8.28S**±.081	**129.6E**±.24	**33**	**4.1b**,3.0s	**17**	**7-150**
EIDC	IV 04 10 53 41.7	8.3S	129.5E	0	4.2b,4.0L		¶97iv0601
NEIC	IV 04 10 53 45.2	8.27S	129.15E	33	4.1b		
NEIC	Poor solution.						
EIDC	**IV 16 11 18 19.6**	**8.1S**	**129.9E**	**258**	3.2b		**13-26**
							¶97iv2747
ISC	**IV 18 12 43 19**±1.7	**8.67S**±.080	**128.9E**±.15	**117**±18	**3.9b**	**24**	**2-145**
EIDC	IV 18 12 43 13.6	8.5S	129.3E	44	3.8b,4.1L		¶97iv3076
NEIC	IV 18 12 43 22.8	8.74S	129.43E	169	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 18 16 06 31.8**±.56	**8.34S**±.070	**128.7E**±.12	**56**	**3.9b**,3.2s	**22**	**3-145**
EIDC	IV 18 16 06 26.3	8.2S	129.8E	0	4.0b,3.4s		¶97iv3099
NEIC	IV 18 16 06 31.9	8.35S	128.73E	56	4.1b		
NEIC	Less reliable solution.						
ISC	**IV 23 23 09 43**±2.6	**9.0S**±.26	**129.2E**±.15	**33**	**4.6b**	**12**	**5-31**
							¶97iv4039
ISC	**IV 24 04 13 22**±8.3	**8.7S**±.65	**129.3E**±.49	**150**	3.7b	**6**	**7-26**
EIDC	IV 24 04 13 23.0	8.4S	130.4E	118	3.5b		¶97iv4080
EIDC	**V 13 00 18 09.5**	**8.4S**	**129.6E**	**0**	3.5L		**12-156**
							¶97v2084
EIDC	**V 13 05 23 44.8**	**8.2S**	**129.5E**	**0**	3.7L,3.8b		**5-26**
							¶97v2134
ISC	**VI 04 06 02 52**±8.1	**9.2S**±.60	**130.0E**±.56	**33**	3.9b	**6**	**11-25**
EIDC	VI 04 06 02 45.8	8.6S	130.6E	0	4.2L,4.1b		¶97vi0563
ISC	**VI 11 15 50 26**±7.0	**9.2S**±.53	**127.7E**±.30	**33**	3.9b	**7**	**7-26**
EIDC	VI 11 15 50 24.1	9.9S	126.5E	0	3.7L,4.1b		¶97vi1713
ISC	**VI 22 11 40 37**±5.4	**8.1S**±.16	**129.3E**±.20	**54**±60	**3.6b**	**10**	**11-45**
EIDC	VI 22 11 40 32.3	8.0S	129.2E	0	3.8b,4.0L		¶97vi3377
NEIC	VI 22 11 40 34.9	8.05S	129.23E	33	4.0b		
NEIC	Less reliable solution.						
EIDC	**VI 26 11 52 47.1**	**8.3S**	**129.7E**	**320**	3.4b		**12-26**
							¶97vi4132

(291) South of Sumbawa.

ISC	**I 01 01 23 08**±2.0	**11.5S**±.18	**118.2E**±.35	**33**		**5**	**4-18**
							¶97i0006
ISC	**I 06 15 49 34**±3.8	**11.23S**±.094	**117.9E**±.11	**40**±41	4.5b	**24**	**11-54**
							¶97i0807
ISC	**I 14 16 30 49**±12	**12.6S**±.94	**118.1E**±.56	**33**		**5**	**14-19**
							¶97i2022
ISC	**I 15 18 54 33**±2.2	**11.52S**±.052	**117.97E**±.062	**17**±17	**4.6b**	**51**	**3-117**
BJI	I 15 18 54 34.9	11.16S	118.27E	23	4.6b		¶97i2194
NEIC	I 15 18 54 34.9	11.53S	117.94E	33	4.7b		
EIDC	I 15 18 54 35.6	11.3S	118.2E	17	4.3b,4.5L		
ISC	**II 14 21 14 46**±1.0	**10.13S**±.082	**116.5E**±.10	**55**±15	**3.5b**	**12**	**2-70**
EIDC	II 14 21 14 41.5	9.7S	116.8E	0	3.4b		¶97ii2114
NEIC	II 14 21 14 44.4	10.17S	116.51E	33	4.2b		
NEIC	Less reliable solution.						
ISC	**IV 03 11 58 47.3**±.72	**11.59S**±.068	**117.6E**±.13	**33**		**10**	**3-17**
							¶97iv0424
ISC	**IV 05 14 02 18**±1.5	**11.7S**±.18	**118.0E**±.35	**33**		**8**	**4-17**
							¶97iv0783
ISC	**IV 10 00 10 34**±1.3	**11.5S**±.11	**117.7E**±.19	**150**		**6**	**3-15**
							¶97iv1603
ISC	**IV 22 01 44 16**±2.3	**10.7S**±.25	**118.6E**±.34	**193**±53		**8**	**3-20**
							¶97iv3617
ISC	**V 23 16 10 36.6**±.54	**11.32S**±.056	**118.34E**±.081	**33**	**4.2b**	**22**	**4-49**
EIDC	V 23 16 10 42.0	11.5S	119.0E	0	4.1b,3.8L		¶97v3970
NEIC	V 23 16 10 42.3	11.92S	118.56E	33	4.3b		
NEIC	Less reliable solution.						
ISC	**VI 02 15 46 09.7**±.49	**11.42S**±.053	**118.55E**±.077	**33**	3.9b	**22**	**4-29**
EIDC	VI 02 15 46 22.5	11.8S	119.9E	0	3.5L,4.1b		¶97vi0261

(292) South of Sumba.

NEIC	**III 05 09 33 03.9**	**11.10S**	**119.12E**	**33**	3.6b		**4-71**
EIDC	III 05 09 33 01.1	11.0S	119.1E	0	4.2b,3.8L		¶97iii1029
NEIC	Poor solution.						
ISC	**III 15 22 08 09.5**±.76	**11.58S**±.084	**120.08E**±.096	**33**	**4.0b**	**20**	**6-136**
EIDC	III 15 22 08 07.2	11.5S	120.3E	0	4.2b,4.1L		¶97iii3118
ISC	**III 20 10 24 38.3**±.47	**11.69S**±.065	**119.75E**±.085	**33**	**4.0b**	**26**	**5-116**
EIDC	III 20 10 24 37.4	11.4S	120.2E	0	4.1b,4.0L		¶97iii3886
NEIC	III 20 10 24 42.6	11.97S	120.09E	33	4.3b		
NEIC	Poor solution.						
ISC	**IV 20 14 24 44.1**±.59	**11.73S**±.095	**119.76E**±.094	**33**	**3.6b**	**16**	**5-116**
EIDC	IV 20 14 24 44.5	11.0S	120.6E	0	3.7b,3.5L		¶97iv3326
NEIC	IV 20 14 24 45.0	11.81S	119.87E	33	3.5b		
NEIC	Less reliable solution.						

(293) South of Timor.

EIDC	**VI 05 05 15 16.6**	**12.7S**	**122.4E**	**0**	3.2L		**14-26**
							¶97vi0715

SEISMIC REGION 25.
MYANMAR AND SOUTHEAST ASIA.

(294) Myanmar-India border region.

ISC	**I 04 10 17 05**±1.2	**27.5N**±.14	**96.6E**±.13	**33**	**4.1b**	**10**	**8-63**
EIDC	I 04 10 17 01.8	27.9N	97.8E	0	4.0b,4.2L		¶97i0523
ISC	**I 10 21 22 02**±2.6	**23.0N**±.18	**93.6E**±.23	**90**±25	**4.1b**	**13**	**6-67**
NEIC	I 10 21 22 03.5	23.03N	93.62E	100	4.2b		¶97i1427
EIDC	I 10 21 22 06.8	22.9N	93.5E	110	3.7b		
NEIC	Less reliable solution.						
ISC	**I 30 15 55 03**±1.2	**25.17N**±.082	**94.7E**±.11	**85**±14	**4.0b**	**16**	**3-79**
BJI	I 30 15 55 01.9	25.10N	94.58E	84	4.4b		¶97i4509
NEIC	I 30 15 55 04.1	24.94N	94.39E	100	4.1b		
EIDC	I 30 15 55 06.9	25.1N	94.8E	101	3.6b		
NEIC	Less reliable solution.						
ISC	**II 09 23 41 25**±2.0	**24.1N**±.13	**94.6E**±.15	**117**±21	**3.7b**	**13**	**6-91**
BJI	II 09 23 41 22.0	24.27N	94.40E	105	4.3b		¶97ii1383
NEIC	II 09 23 41 23.5	24.17N	94.57E	100	4.3b		
EIDC	II 09 23 41 24.6	24.4N	94.8E	87	3.5b,3.8L		
NEIC	Less reliable solution.						
EIDC	**II 15 04 19 34.2**	**24.2N**	**94.2E**	**64**	**3.4b**,4.1L		**7-61**
							¶97ii2170
ISC	**II 15 14 21 10**±1.0	**23.93N**±.062	**94.51E**±.068	**108**±11	**4.1b**	**35**	**6-124**
NEIC	II 15 14 21 09.4	23.86N	94.40E	102	4.3b		¶97ii2247
BJI	II 15 14 21 09.9	23.79N	94.42E	123	4.8b		
EIDC	II 15 14 21 11.6	23.9N	94.5E	104	3.9b		
ISC	**III 17 11 01 16**±2.6	**23.4N**±.14	**94.4E**±.19	**94**±27	**3.9b**	**13**	**6-125**
NEIC	III 17 11 01 16.2	23.40N	94.45E	100			¶97iii3368
EIDC	III 17 11 01 18.3	23.4N	94.4E	97	3.7b		
NEIC	Less reliable solution.						
EIDC	**III 30 18 36 20.5**	**25.7N**	**95.4E**	**0**	3.6b,3.5L		**5-62**
							¶97iii5783
ISC	**IV 21 14 22 17**±1.0	**23.32N**±.052	**94.87E**±.062	**137**±11	**4.4b**	**55**	**6-144**
NEIC	IV 21 14 22 15.6	23.43N	94.95E	120	4.6b		¶97iv3501
EIDC	IV 21 14 22 15.9	23.4N	94.8E	109	4.1b		
BJI	IV 21 14 22 16.8	23.27N	94.78E	128	4.6b		
MOS	IV 21 14 22 20.8	23.4N	94.8E	168	4.3b		
EIDC	**V 16 23 35 14.7**	**22.8N**	**94.0E**	**66**	**3.4b**,3.8L		**6-60**
							¶97v2847
EIDC	**V 20 18 40 55.5**	**25.3N**	**95.5E**	**0**	3.6b,3.6L		**8-61**
							¶97v3445
ISC	**VI 06 03 08 15**±1.2	**24.19N**±.068	**94.08E**±.082	**95**±14	**4.0b**	**24**	**6-149**
BJI	VI 06 03 08 14.3	24.14N	94.06E	98	4.8b		¶97vi0873
NEIC	VI 06 03 08 15.8	24.11N	94.09E	100			
EIDC	VI 06 03 08 16.3	24.1N	94.1E	88	3.8b		
NEIC	Less reliable solution.						

(296) Myanmar.

ISC	**I 06 13 13 28**±2.6	**21.4N**±.59	**93.2E**±.55	**33**	**4.3b**	**5**	**6-66**
EIDC	I 06 13 13 25.6	21.2N	92.9E	0	4.2b,4.2L		¶97i0788
ISC	**I 08 00 52 04**±1.2	**18.6N**±.19	**96.2E**±.12	**33**		**17**	**3-19**
							¶97i0998
ISC	**I 11 22 03 34**±1.6	**25.2N**±.29	**96.3E**±.23	**33**	4.3b	**18**	**7-61**
EIDC	I 11 22 03 34.7	25.3N	97.3E	0	4.2b,3.5L		¶97i1584
ISC	**I 15 01 26 11**±1.4	**18.6N**±.10	**95.08E**±.077	**74**±18	**4.0b**	**29**	**4-71**
EIDC	I 15 01 26 16.9	20.9N	100.9E	0	4.1b,4.8L		¶97i2080
NEIC	I 15 01 26 20.4	20.78N	100.94E	33			
NEIC	Poor solution.						
ISC	**I 15 22 15 55**±1.5	**25.4N**±.20	**96.1E**±.15	**8**	4.6b,3.8s	**5**	**6-59**
BJI	I 15 22 15 50.4	24.92N	95.84E	8	4.5b		¶97i2218
BJI	**I 16 16 29 09.8**	**19.64N**	**96.70E**	**15**	**4.2L**		¶97i2336
ISC	**I 21 12 59 46**±1.5	**20.5N**±.21	**98.7E**±.47	**33**	**3.7b**	**4**	**2-64**
EIDC	I 21 12 59 43.4	20.5N	98.8E	0	3.7b,3.8L		¶97i3181
ISC	Poorly determined						
ISC	**I 28 21 23 17**±3.6	**26.2N**±.23	**96.4E**±.25	**63**±34	**4.1b**	**10**	**4-88**
NEIC	I 28 21 23 13.9	26.34N	96.59E	33			¶97i4262
EIDC	I 28 21 23 19.0	26.3N	96.6E	60	3.7b,3.8L		
NEIC	Less reliable solution.						
ISC	**II 02 14 30 07**±1.2	**25.35N**±.067	**96.60E**±.069	**70**±13	**3.9b**	**31**	**6-89**
NEIC	II 02 14 30 05.9	25.31N	96.52E	63	3.8b		¶97ii0235
BJI	II 02 14 30 06.9	25.58N	96.69E	61	3.9L,4.7b		
EIDC	II 02 14 30 07.9	25.3N	96.5E	61	3.8b,3.9L		
BJI	Ms4.3						
ISC	**II 11 01 58 37**±1.1	**20.87N**±.085	**94.85E**±.091	**115**±12	**4.1b**	**25**	**4-127**
NEIC	II 11 01 58 37.9	21.31N	95.27E	119	4.0b		¶97ii1570
EIDC	II 11 01 58 39.3	21.4N	95.3E	113	3.8b		
BJI	II 11 01 58 43.2	21.32N	94.96E	125	4.1b		
NEIC	Less reliable solution.						
ISC	**II 18 21 13 49**±1.2	**22.84N**±.046	**94.94E**±.046	**42**±11	**4.5b,4.4s**	**77**	**6-144**
NEIC	II 18 21 13 47.6	22.85N	94.93E	33	4.7b		¶97ii2692
MOS	II 18 21 13 47.8	22.9N	95.0E	33	4.7b		
BJI	II 18 21 13 48.0	22.90N	94.92E	28	4.6L,4.5b		
EIDC	II 18 21 13 49.8	22.7N	94.9E	34	4.3b		
BJI	Ms4.5						
ISC	**II 19 01 35 54**±1.0	**22.84N**±.046	**94.96E**±.052	**38**±11	**4.4b,4.4s**	**70**	**5-155**
EIDC	II 19 01 35 51.1	22.6N	94.6E	0	4.4b,5.1L		¶97ii2717
NEIC	II 19 01 35 53.5	22.90N	94.98E	33	4.8b		
BJI	II 19 01 35 53.8	22.80N	94.89E	29	4.7L,4.5b		
MOS	II 19 01 35 54.4	23.0N	95.0E	33	5.0b		
BJI	Ms4.5						
ISC	**III 25 14 17 31**±1.4	**17.37N**±.071	**94.86E**±.078	**70**±13	**4.1b**	**40**	**4-86**
BJI	III 25 14 17 25.1	17.23N	94.50E	37	4.3b		¶97iii4741
NEIC	III 25 14 17 26.4	17.32N	94.63E	33	4.2b		
MOS	III 25 14 17 27.3	17.5N	94.9E	33	4.9b		
EIDC	III 25 14 17 29.9	17.3N	94.7E	47	3.9b,4.7L		
ISC	**IV 06 12 45 34.1**±.79	**21.33N**±.037	**94.44E**±.038	**98**±7.5	**4.5b**	**139**	**5-163**
NEIC	IV 06 12 45 33.0	21.35N	94.42E	87	4.5b		¶97iv0996
BJI	IV 06 12 45 33.2	21.21N	94.36E	102	4.8b		
MOS	IV 06 12 45 34.2	21.3N	94.5E	100	4.9b		
EIDC	IV 06 12 45 34.8	21.3N	94.5E	90	4.3b		
ISC	**IV 14 17 53 34.7**±.73	**22.59N**±.035	**94.48E**±.035	**110**±7.1	**4.9b**	**228**	**4-163**
NEIC	IV 14 17 53 33.1	22.57N	94.46E	97	4.9b		¶97iv2491
MOS	IV 14 17 53 33.8	22.6N	94.5E	100	5.0b		
BJI	IV 14 17 53 33.9	22.51N	94.33E	115	5.1b		
EIDC	IV 14 17 53 35.1	22.6N	94.5E	101	4.6b,3.7s		
HRVD	IV 14 17 53 38.2±1.0	22.55N±.07	94.18E±.09	110±4.1			
NEIC	Mw5.3(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s23,c30; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.75±.36; $M_{\theta\theta}$−6.78±.57; $M_{\phi\phi}$5.03±.65; $M_{r\theta}$−2.91±.52; $M_{r\phi}$−3.21±.38; $M_{\theta\phi}$4.38±.49. Principal Axes: T 8.77,Plg30°,Azm112°; N −0.21,Plg58°,Azm268°; P −8.55,Plg11°,Azm15°. Best double couple: $M_0$8.7×10^{16}Nm, NP1: φs150°,δ61°,λ165°. NP2:φs247°,δ77°,λ30°.						
ISC	**IV 15 00 13 17.3**±.81	**22.66N**±.037	**94.62E**±.041	**129**±7.8	**4.8b**	**216**	**6-163**
NEIC	IV 15 00 13 16.3	22.67N	94.59E	120	4.9b		¶97iv2532
MOS	IV 15 00 13 16.8	22.7N	94.7E	124	4.9b		
BJI	IV 15 00 13 16.8	22.67N	94.54E	123	5.0b		
EIDC	IV 15 00 13 18.3	22.7N	94.6E	122	4.7b		
EIDC	**IV 21 16 38 33.6**	**24.4N**	**96.9E**	**0**	4.3b,4.1L		**6-77**
							¶97iv3536

ISC	**IV**	**25 01 45 08.6**±.98	**26.48N**±.049	**96.21E**±.049	**100**±10	**4.2b**	**57**	**6-145**
BJI	IV	25 01 45 07.4	26.49N	96.20E	91	4.8b		¶97iv4255
MOS	IV	25 01 45 07.8	26.5N	96.1E	84	4.6b		
NEIC	IV	25 01 45 08.6	26.52N	96.20E	100	4.5b		
EIDC	IV	25 01 45 10.8	26.5N	96.2E	103	4.0b,3.7s		
ISC	**IV**	**29 12 34 35**±3.2	**24.3N**±.30	**95.2E**±.40	**152**±32	**3.6b**	**7**	**7-76**
NEIC	IV	29 12 34 34.5	24.32N	95.22E	150			¶97iv5075
EIDC	IV	29 12 34 35.8	24.2N	95.1E	142	3.3b		
ISC	**V**	**20 14 09 30.8**±.75	**25.1N**±.16	**96.1E**±.24	**26**	**3.9b**	**12**	**6-145**
BJI	V	20 14 09 31.2	25.04N	95.98E	26	3.8L,4.2b		¶97v3408
NEIC	V	20 14 09 31.3	25.11N	96.10E	33			
EIDC	V	20 14 09 37.3	24.9N	95.9E	66	3.6b,3.0s		
BJI	Ms4.1							
NEIC	Poor solution.							
ISC	**V**	**29 04 49 36**±1.1	**26.49N**±.070	**96.68E**±.078	**120**±11	**4.0b**	**26**	**6-88**
BJI	V	29 04 49 36.1	26.43N	96.72E	134	4.6b		¶97v4821
NEIC	V	29 04 49 37.2	26.43N	96.68E	132			
EIDC	V	29 04 49 38.9	26.4N	96.6E	127	3.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**24 17 53 20**±1.4	**26.35N**±.060	**96.24E**±.079	**71**±14	**4.0b**	**38**	**6-145**
BJI	VI	24 17 53 13.8	26.37N	95.99E	18	4.4L,4.3b		¶97vi3761
NEIC	VI	24 17 53 15.9	26.43N	96.15E	33	4.2b		
MOS	VI	24 17 53 17.0	26.2N	95.9E	33	4.2b		
EIDC	VI	24 17 53 17.3	26.5N	96.1E	28	3.9b,4.7L		

(297) Myanmar-China border region.

BJI	**I**	**02 04 41 38.6**	**23.63N**	**99.75E**	**3**	**3.3L,3.5s**		¶97i0161
BJI	**I**	**16 23 25 23.8**	**22.72N**	**99.56E**	**26**	**3.2L**		¶97i2373
ISC	**I**	**25 02 38 53**±1.6	**22.03N**±.046	**101.18E**±.037	**18**±12	**4.4b,4.5s**	**87**	**3-150**
MOS	I	25 02 38 55.4	22.0N	101.2E	33	4.8b		¶97i3723
NEIC	I	25 02 38 55.5	22.07N	101.13E	33	4.5b		
BJI	I	25 02 38 56.2	22.20N	101.35E	26	5.2L,5.1b		
EIDC	I	25 02 38 58.7	22.0N	101.0E	44	4.2b,4.5L		
NEIC	Some houses damaged in Mengla County, China. Felt at Menghai and Yunjinghong, China.							
BJI	Ms5.0							
ISC	**I**	**30 09 59 01.8**±.23	**22.44N**±.035	**101.50E**±.038	**9**	**4.9b,4.8s**	**138**	**3-168**
BJI	I	30 09 59 01.2	22.43N	101.55E	9	4.9b,5.4s		¶97i4464
EIDC	I	30 09 59 01.2	22.4N	101.5E	0	4.7b,4.4s		
NEIC	I	30 09 59 01.8	22.50N	101.32E	10	5.0b,4.7s		
MOS	I	30 09 59 02.8	22.4N	101.5E	10	5.3b,4.6s		
NEIC	Felt strongly at Jiangcheng, Mengla, Puer and Yunjinghong, China.							
BJI	**I**	**30 11 51 38.2**	**21.49N**	**101.54E**	**32**	**3.7L,3.8s**		¶97i4480
BJI	**I**	**30 13 29 52.7**	**21.64N**	**101.85E**	**10**	**2.9L**		¶97i4492
ISC	**II**	**05 17 02 12.8**±.89	**25.23N**±.090	**98.7E**±.39	**33**	**3.6b**	**8**	**4-59**
EIDC	II	05 17 02 11.8	25.2N	99.2E	0	3.6b,3.8L		¶97ii0721
NEIC	II	05 17 02 12.7	25.22N	98.67E	33			
BJI	II	05 17 03 00.2	25.56N	98.76E	30			
NEIC	Less reliable solution.							
BJI	**III**	**11 02 27 45.3**	**22.37N**	**99.19E**	**23**	**3.1L**		¶97iii2294
BJI	**III**	**23 17 57 28.9**	**27.02N**	**98.27E**	**8**	**4.3L,3.9s**		¶97iii4468
ISC	**III**	**25 04 02 48**±2.8	**25.1N**±.17	**98.3E**±.77	**33**	**3.8b**	**5**	**7-77**
EIDC	III	25 04 02 45.2	25.2N	98.4E	0	3.6b		¶97iii4670
BJI	III	25 04 02 47.2	25.14N	98.21E	33	4.5b		
NEIC	III	25 04 02 47.8	25.08N	98.27E	33	4.3b		
NEIC	Poor solution.							
ISC	**IV**	**06 14 12 44**±1.4	**21.8N**±.15	**99.0E**±.30	**33**	**3.9b**	**4**	**3-63**
EIDC	IV	06 14 12 40.2	21.8N	98.9E	0	4.0b		¶97iv1005
ISC	Poorly determined							
BJI	**V**	**28 13 49 01.4**	**23.23N**	**99.36E**	**24**	**3.2L,3.3s**		¶97v4729
ISC	**VI**	**06 13 35 35**±1.3	**24.8N**±.16	**98.1E**±.50	**33**	**3.8b**	**5**	**6-78**
EIDC	VI	06 13 35 31.0	24.6N	97.8E	0	3.8b		¶97vi0941
BJI	**VI**	**08 06 00 08.2**	**24.37N**	**98.53E**	**5**	**3.0L**		¶97vi1184
EIDC	**VI**	**23 15 34 38.0**	**25.7N**	**97.8E**	**0**	3.6b,3.5L		**7-60**
								¶97vi3552

(298) South Myanmar.

ISC	**VI**	**30 23 22 34.5**±.53	**15.58N**±.078	**95.71E**±.074	**37**	**4.3b,4.2s**	**42**	**4-132**
EIDC	VI	30 23 22 30.6	15.6N	95.7E	0	4.3b,4.1s		¶97vi4840
MOS	VI	30 23 22 34.1	15.6N	95.8E	33	5.0b		
NEIC	VI	30 23 22 34.2	15.66N	95.79E	33	4.6b		
BJI	VI	30 23 22 35.2	15.67N	95.49E	37	4.4b,4.5s		

(299) Indo-Pacific Peninsula.

BJI	**VI**	**06 11 06 33.4**	**20.54N**	**100.09E**	**5**	**3.8L,3.7s**		¶97vi0930

(301) South China Sea.

ISC	**VI**	**04 22 04 37**±1.0	**17.8N**±.16	**111.5E**±.15	**33**	**3.7b**	**5**	**12-47**
EIDC	VI	04 22 04 34.4	17.9N	111.6E	0	3.8b,3.8L		¶97vi0678

SEISMIC REGION 26.
INDIA-XIZANG-SZECHWAN-YUNNAN.

(302) Eastern Kashmir.

ISC	**I**	**03 12 41 53**±2.6	**35.40N**±.071	**78.4E**±.10	**18**±22	**3.9b**	**22**	**5-79**
EIDC	I	03 12 41 52.7	35.5N	78.4E	0	4.0b,4.2L		¶97i0373
NEIC	I	03 12 41 55.5	35.44N	78.32E	33			
BJI	I	03 12 41 58.6	35.74N	78.49E	26	3.9L		
NEIC	Single network solution.							
ISC	**I**	**03 13 58 33.1**±.57	**35.43N**±.078	**78.5E**±.11	**33**	**3.6b**	**16**	**5-82**
BJI	I	03 13 58 24.0	34.79N	78.15E	30	3.9L		¶97i0387
EIDC	I	03 13 58 30.6	35.2N	78.4E	0	3.7b,4.1L		
EIDC	**I**	**04 16 05 49.6**	**35.7N**	**77.6E**	**0**	**3.8b**		**26-48**
								¶97i0551
ISC	**I**	**12 20 04 44.5**±.86	**35.24N**±.053	**77.89E**±.073	**48**±11	**3.8b**	**45**	**4-82**
BJI	I	12 20 04 41.7	35.11N	77.61E	31	4.3L,3.7b		¶97i1733
EIDC	I	12 20 04 42.6	35.4N	77.8E	15	3.8b,4.4L		
MOS	I	12 20 04 43.1	35.3N	77.8E	33	4.1b		
NEIC	I	12 20 04 43.1	35.35N	77.88E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**19 00 35 04**±3.5	**35.51N**±.092	**78.5E**±.12	**25**±29	**3.6b**	**21**	**5-82**
NEIC	I	19 00 35 04.6	35.55N	78.46E	33			¶97i2751
EIDC	I	19 00 35 07.9	35.5N	78.4E	48	3.3b,3.6L		
BJI	I	19 00 35 08.6	35.60N	78.43E	30	3.6L		
NEIC	Less reliable solution.							
ISC	**I**	**19 13 59 24.1**±.52	**33.7N**±.12	**75.1E**±.11	**33**	**3.6b**	**22**	**2-84**
EIDC	I	19 13 59 21.0	33.7N	75.1E	0	3.7b		¶97i2850
NEIC	I	19 13 59 24.4	33.73N	74.99E	33	3.1b		
NEIC	Less reliable solution.							
ISC	**I**	**20 13 30 55**±1.0	**35.29N**±.062	**77.86E**±.080	**51**±12	**4.0b**	**38**	**4-82**
NEIC	I	20 13 30 54.4	35.50N	77.89E	33	3.9b		¶97i3008
BJI	I	20 13 30 59.6	35.60N	78.17E	26	4.4L,4.4b		
EIDC	I	20 13 31 01.2	35.3N	77.6E	85	3.7b		
ISC	**I**	**20 14 45 27**±2.8	**35.31N**±.070	**77.77E**±.097	**29**±23	**3.7b**	**26**	**4-82**
EIDC	I	20 14 45 24.2	35.5N	77.7E	0	3.7b,4.1L		¶97i3022
BJI	I	20 14 45 26.7	35.24N	77.32E	29	3.8L		
NEIC	I	20 14 45 27.2	35.39N	77.71E	33	3.4b		
NEIC	Less reliable solution.							
ISC	**I**	**20 18 57 29**±1.7	**35.26N**±.093	**77.4E**±.14	**84**±16	**3.6b**	**15**	**4-82**
BJI	I	20 18 57 22.8	35.49N	77.24E	12	3.7L		¶97i3064
NEIC	I	20 18 57 23.9	35.37N	77.54E	33	3.6b		
EIDC	I	20 18 57 31.0	35.2N	77.3E	88	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**22 08 11 22**±3.1	**35.37N**±.087	**77.95E**±.077	**33**±26	**3.8b**	**31**	**4-82**
NEIC	I	22 08 11 21.3	35.31N	77.89E	33	3.5b		¶97i3295
EIDC	I	22 08 11 25.3	35.2N	77.9E	51	3.6b,4.3L		
NEIC	Less reliable solution.							
ISC	**I**	**25 07 43 08.8**±.51	**35.47N**±.085	**77.9E**±.16	**33**	**3.8b**	**30**	**4-82**
BJI	I	25 07 42 20.3	39.38N	76.90E	21	4.0L,3.8b		¶97i3771
EIDC	I	25 07 43 14.0	34.9N	76.7E	68	3.6b,4.0L		
NEIC	I	25 07 43 15.5	34.92N	76.53E	100	3.7b		
NEIC	Less reliable solution.							
ISC	**I**	**26 01 24 10**±5.2	**35.38N**±.087	**77.9E**±.13	**25**±39	**3.9b**	**22**	**4-82**
BJI	I	26 01 24 08.6	35.14N	77.94E	30	3.7L		¶97i3868
NEIC	I	26 01 24 10.8	35.29N	77.84E	33	3.9b		
EIDC	I	26 01 24 14.5	35.3N	77.7E	55	3.7b,4.1L		
NEIC	Less reliable solution.							
ISC	**II**	**08 22 05 26**±1.5	**35.24N**±.092	**77.5E**±.12	**68**±15	**3.6b**	**17**	**4-82**
BJI	II	08 22 05 22.1	34.97N	77.56E	40	3.9L		¶97ii1217
NEIC	II	08 22 05 22.5	35.39N	77.69E	33			
EIDC	II	08 22 05 26.1	35.2N	77.7E	52	3.5b,3.9L		
NEIC	Less reliable solution.							
BJI	**II**	**09 19 31 03.9**	**35.23N**	**77.34E**	**13**	**3.6L**		¶97ii1356
ISC	**II**	**26 08 04 49**±3.8	**35.4N**±.28	**77.3E**±.30	**43**±28	**3.7b**	**9**	**4-82**
EIDC	II	26 08 04 43.8	35.4N	77.1E	0	3.8b		¶97ii3764
BJI	II	26 08 04 44.6	35.44N	77.80E	20	3.9L		
NEIC	II	26 08 04 47.4	35.42N	77.28E	33			
NEIC	Poor solution.							
ISC	**III**	**08 18 30 50**±1.2	**35.27N**±.074	**77.63E**±.091	**63**±13	**4.0b**	**24**	**4-82**
NEIC	III	08 18 30 47.1	35.29N	77.79E	33	3.9b		¶97iii1811
MOS	III	08 18 30 47.6	35.4N	77.8E	33	4.3b		
BJI	III	08 18 30 48.2	35.36N	77.63E	35	4.3L,4.4b		
EIDC	III	08 18 30 51.6	35.4N	77.6E	60	3.7b,4.7L		
NEIC	Less reliable solution.							
BJI	**III**	**14 19 03 50.8**	**35.43N**	**78.31E**	**18**	**4.0L**		¶97iii2934
ISC	**III**	**24 14 35 56.4**±.73	**35.34N**±.044	**78.20E**±.050	**60**±7.8	**4.4b**	**71**	**4-123**
NEIC	III	24 14 35 53.3	35.38N	78.30E	33	4.6b		¶97iii4577
MOS	III	24 14 35 53.9	35.3N	78.2E	33	4.8b		
BJI	III	24 14 35 53.9	35.43N	78.20E	32	4.8L,4.5b		
EIDC	III	24 14 35 58.9	35.3N	78.2E	68	4.0b,3.3s		
BJI	Ms4.2							
BJI	**III**	**24 15 18 11.6**	**35.04N**	**78.76E**	**6**	**3.7L**		¶97iii4579
EIDC	III	24 15 18 12.1	35.1N	77.8E	0	3.7b,3.9L		
ISC	**III**	**24 15 37 05**±1.5	**35.4N**±.10	**78.1E**±.12	**71**±17	**3.3b**	**13**	**4-79**
BJI	III	24 15 36 58.8	35.29N	78.00E	10	3.9L,4.2b		¶97iii4582
EIDC	III	24 15 36 58.8	35.6N	78.4E	0	3.5b,3.7L		
NEIC	III	24 15 37 01.4	35.58N	78.36E	33			
NEIC	Single network solution.							
ISC	**III**	**25 05 33 00**±1.1	**35.7N**±.13	**78.5E**±.17	**10**	**3.7b**	**8**	**4-44**
EIDC	III	25 05 33 01.0	35.5N	78.5E	0	3.8b,4.0L		¶97iii4677
BJI	III	25 05 33 08.1	35.80N	78.62E	10	3.8L,4.2b		
ISC	**III**	**26 17 27 03**±2.1	**35.4N**±.10	**78.3E**±.18	**54**±21	**3.8b**	**13**	**5-82**
NEIC	III	26 17 27 00.7	35.41N	78.43E	33			¶97iii5043
EIDC	III	26 17 27 03.1	35.4N	78.5E	39	3.6b,4.5L		
NEIC	Less reliable solution.							
ISC	**III**	**27 17 48 45.1**±.75	**35.35N**±.050	**78.21E**±.051	**63**±8.1	**4.3b**	**61**	**4-82**
BJI	III	27 17 48 39.6	35.62N	78.28E	10	4.5L,4.5b		¶97iii5274
NEIC	III	27 17 48 41.7	35.35N	78.25E	33	4.6b		
MOS	III	27 17 48 41.8	35.3N	78.3E	33	4.7b		
EIDC	III	27 17 48 47.2	35.4N	78.2E	67	4.0b,3.6s		
ISC	**III**	**29 14 02 04**±1.7	**35.3N**±.10	**78.3E**±.12	**58**±17	**3.7b**	**16**	**4-82**
NEIC	III	29 14 02 01.5	35.41N	78.36E	33	3.4b		¶97iii5598
EIDC	III	29 14 02 08.1	35.3N	78.0E	83	3.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**12 05 35 24.2**±.89	**33.5N**±.18	**75.7E**±.15	**33**	**3.4b**	**7**	**2-84**
NEIC	IV	12 05 35 24.1	33.47N	75.73E	33			¶97iv2011
EIDC	IV	12 05 35 30.1	33.2N	75.3E	90	3.1b,2.8L		
NEIC	Less reliable solution.							
ISC	**IV**	**15 05 51 55**±1.6	**35.4N**±.11	**77.9E**±.13	**92**±17	**3.8b**	**10**	**4-82**
NEIC	IV	15 05 51 48.9	35.30N	77.69E	33	3.3b		¶97iv2568
BJI	IV	15 05 51 58.4	36.08N	78.68E	9	3.7L,3.8b		
EIDC	IV	15 05 51 59.1	35.2N	77.7E	114	3.6b		
NEIC	Poor solution.							
ISC	**V**	**01 04 42 18**±1.0	**35.6N**±.14	**77.3E**±.18	**5**	**3.6b**	**7**	**4-82**
EIDC	V	01 04 42 19.4	35.6N	77.2E	0	3.6b,4.1L		¶97v0031
NEIC	V	01 04 42 22.0	35.53N	77.23E	33			
BJI	V	01 04 42 31.5	36.20N	77.31E	5	3.6L		
NEIC	Single network solution.							
ISC	**V**	**01 06 25 37**±2.0	**35.7N**±.26	**77.8E**±.28	**33**	**3.5b**	**9**	**4-82**
BJI	V	01 06 25 28.7	34.76N	77.99E	25	4.0L		¶97v0049
EIDC	V	01 06 25 34.4	35.5N	77.9E	0	3.6b,3.9L		
NEIC	V	01 06 25 38.0	35.65N	77.63E	33	3.5b		
NEIC	Poor solution.							
ISC	**V**	**11 15 11 12**±3.6	**35.0N**±.19	**77.5E**±.24	**42**±41	**3.6b**	**7**	**4-82**
EIDC	V	11 15 11 08.2	35.1N	77.7E	0	3.7b,3.7L		¶97v1802
NEIC	V	11 15 11 11.6	34.99N	77.57E	33			
NEIC	Single network solution.							
ISC	**V**	**27 01 27 23**±1.0	**34.02N**±.055	**77.66E**±.070	**77**±11	**4.2b**	**54**	**4-147**
BJI	V	27 01 27 13.3	33.92N	77.06E	33	4.6L,4.5b		¶97v4497
EIDC	V	27 01 27 13.7	34.0N	77.7E	0	4.3b,3.1s		
NEIC	V	27 01 27 18.1	34.11N	77.66E	33	4.7b		
MOS	V	27 01 27 18.9	34.1N	77.7E	33	4.6b		
NEIC	Less reliable solution.							
BJI	**V**	**27 19 54 15.3**	**35.77N**	**78.31E**	**8**	**4.3L**		¶97v4604

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
BJI	**V 31 13 05 54.2**	**35.55N**	**78.00E**	**13**	**3.8L**		**¶97v5194**
ISC	**VI 03 06 50 38**±1.7	**35.2N**±.12	**78.0E**±.13	**79**±18	**3.9b**	**13**	**4-128**
BJI	VI 03 06 50 31.3	34.88N	78.34E	31	4.1L,4.3b		¶97vi0395
NEIC	VI 03 06 50 32.8	35.19N	77.85E	33			
EIDC	VI 03 06 50 39.1	35.2N	78.0E	77	3.8b		
NEIC	Single network solution.						
ISC	**VI 16 14 09 12**±1.6	**35.38N**±.088	**78.3E**±.11	**66**±15	**3.7b**	**17**	**4-81**
EIDC	VI 16 14 09 05.3	35.4N	78.5E	0	3.9b,4.9L		¶97vi2476
MOS	VI 16 14 09 06.9	35.1N	78.7E	33	4.0b		
NEIC	VI 16 14 09 08.6	35.44N	78.40E	33	3.6b		
BJI	VI 16 14 09 15.7	35.93N	78.73E	26	4.0L,3.9b		
NEIC	Less reliable solution.						

(303) Southern Kashmir region.

ISC	**I 19 14 38 23**±1.3	**32.73N**±.076	**76.2E**±.13	**59**±14	**3.9b**	**18**	**3-85**
BJI	I 19 14 38 24.4	32.89N	76.47E	72			¶97i2853
NEIC	I 19 14 38 24.7	32.78N	76.18E	72	3.6b		
EIDC	I 19 14 38 26.0	32.7N	76.2E	71	3.6b,3.7L		
NEIC	Less reliable solution.						

(304) Kashmir-Xizang border region.

ISC	**II 01 05 12 59**±3.6	**34.6N**±.11	**78.7E**±.10	**24**±29	**3.8b**	**15**	**5-83**
EIDC	II 01 05 12 56.9	34.5N	78.8E	0	3.9b,4.1L		¶97ii0023
NEIC	II 01 05 12 59.7	34.54N	78.71E	33	3.5b		
BJI	II 01 05 13 04.4	34.68N	79.10E	31	3.8L		
NEIC	Less reliable solution.						
ISC	**II 05 12 30 59**±3.0	**35.7N**±.13	**79.9E**±.23	**56**±27	**3.5b**	**10**	**5-81**
NEIC	II 05 12 30 56.2	35.79N	79.93E	33	3.0b		¶97ii0689
BJI	II 05 12 30 56.6	35.85N	80.24E	24	3.6L		
EIDC	II 05 12 31 00.9	35.7N	79.9E	58	3.3b,4.0L		
NEIC	Less reliable solution.						
ISC	**IV 06 01 21 31**±2.7	**35.8N**±.24	**80.1E**±.31	**261**±36	**3.7b**	**7**	**6-89**
EIDC	IV 06 01 21 31.7	35.7N	80.2E	260	3.4b		¶97iv0896
ISC	**IV 18 19 02 57**±4.3	**35.1N**±.22	**80.7E**±.25	**86**±43	**3.2b**	**7**	**6-82**
EIDC	IV 18 19 02 49.2	35.4N	81.1E	0	3.4b,4.2L		¶97iv3106
NEIC	IV 18 19 02 51.7	35.32N	80.95E	33			
NEIC	Single network solution.						
ISC	**IV 19 02 54 39**±1.1	**33.8N**±.22	**79.6E**±.15	**33**	**4.2b**	**5**	**5-46**
EIDC	IV 19 02 54 36.3	33.8N	79.7E	0	3.9b,4.2L		¶97iv3141
NEIC	IV 19 02 54 39.0	33.76N	79.58E	33			
NEIC	Single network solution.						

(306) Xizang.

ISC	**I 08 05 36 13**±1.2	**32.32N**±.072	**90.54E**±.077	**41**±14	**3.8b**	**29**	**3-83**
NEIC	I 08 05 36 11.7	32.43N	90.70E	33	3.7b		¶97i1027
BJI	I 08 05 36 11.8	32.27N	90.71E	27	3.8L,4.4b		
EIDC	I 08 05 36 19.3	32.2N	90.6E	88	3.5b		
NEIC	Less reliable solution.						
ISC	**I 08 09 59 04**±1.4	**31.41N**±.078	**80.34E**±.090	**51**±15	**3.9b**	**22**	**4-86**
NEIC	I 08 09 59 01.9	31.58N	80.60E	33	3.9b		¶97i1048
BJI	I 08 09 59 04.2	31.45N	80.48E	32			
EIDC	I 08 09 59 06.0	31.2N	80.3E	55	3.6b,4.1L		
NEIC	Less reliable solution.						
ISC	**I 08 19 56 14**±4.9	**30.3N**±.28	**88.0E**±.45	**48**±42	**3.6b**	**6**	**3-86**
BJI	I 08 19 56 08.2	29.68N	87.65E	10	3.2L		¶97i1107
EIDC	I 08 19 56 09.3	30.6N	88.3E	0	3.6b,3.4L		
NEIC	I 08 19 56 12.5	30.35N	88.01E	33	3.6b		
NEIC	Poor solution.						
ISC	**I 13 09 37 12**±3.4	**32.3N**±.13	**90.4E**±.19	**53**±37	**3.6b**	**21**	**5-83**
EIDC	I 13 09 37 15.5	32.6N	91.7E	33	3.5b		¶97i1816
ISC	**I 16 00 53 12**±3.5	**31.6N**±.19	**85.2E**±.22	**58**±41	**3.7b**	**11**	**4-85**
NEIC	I 16 00 53 11.1	31.64N	85.26E	50			¶97i2231
EIDC	I 16 00 53 19.3	31.5N	85.3E	113	3.4b		
NEIC	Poor solution.						
ISC	**I 16 01 27 54.4**±.77	**31.56N**±.057	**85.05E**±.047	**72**±8.8	**4.1b**	**58**	**4-85**
MOS	I 16 01 27 50.2	31.5N	85.1E	33	4.7b		¶97i2237
NEIC	I 16 01 27 50.2	31.52N	85.05E	33	4.5b		
BJI	I 16 01 27 50.8	31.44N	85.06E	30	4.3b,4.3s		
EIDC	I 16 01 27 55.9	31.4N	85.0E	65	3.8b,4.7L		
ISC	**I 16 02 33 13.6**±.76	**31.6N**±.12	**85.4E**±.14	**33**	**3.5b**	**11**	**4-85**
EIDC	I 16 02 33 03.1	30.6N	82.7E	0	3.6b,4.5L		¶97i2244
ISC	**I 18 23 59 09.9**±.83	**30.30N**±.059	**96.80E**±.042	**36**±9.7	**4.1b**	**57**	**5-145**
BJI	I 18 23 59 07.2	30.09N	96.73E	20	3.8L,4.4b		¶97i2741
NEIC	I 18 23 59 09.7	30.27N	96.79E	33	4.7b		
MOS	I 18 23 59 09.8	30.3N	96.8E	33	4.7b		
EIDC	I 18 23 59 15.3	30.2N	96.8E	73	3.7b,3.5L		
BJI	Ms4.2						
ISC	**I 19 00 02 33**±3.4	**30.3N**±.10	**96.9E**±.13	**64**±35	**3.6b**	**16**	**12-145**
NEIC	I 19 00 02 29.5	30.34N	96.88E	33	3.9b		¶97i2742
EIDC	I 19 00 02 35.6	30.3N	96.9E	75	3.4b,3.7L		
ISC	**I 20 03 31 07**±1.5	**34.48N**±.037	**85.63E**±.038	**31**±12	**4.3b,4.4s**	**95**	**6-87**
BJI	I 20 03 31 06.9	34.47N	85.67E	31	4.6b,4.8s		¶97i2936
MOS	I 20 03 31 07.0	34.3N	85.7E	33	4.7b,4.7s		
NEIC	I 20 03 31 07.4	34.53N	85.66E	33	4.7b,4.4s		
EIDC	I 20 03 31 09.3	34.4N	85.8E	37	4.0b,4.1s		
ISC	**I 25 20 08 29**±1.2	**30.06N**±.060	**88.09E**±.048	**39**±12	**4.2b**,4.2s	**57**	**3-149**
EIDC	I 25 20 08 25.6	30.1N	88.2E	0	4.3b,4.2L		¶97i3846
BJI	I 25 20 08 28.4	30.04N	88.21E	22	3.5L,4.6b		
MOS	I 25 20 08 28.5	30.0N	88.1E	33	4.5b		
NEIC	I 25 20 08 28.7	30.07N	88.09E	33	4.4b		
BJI	Ms4.2						
ISC	**I 28 22 37 46**±3.2	**35.10N**±.050	**87.46E**±.046	**10**±21	**4.3b,4.2s**	**52**	**6-151**
MOS	I 28 22 37 48.9	35.1N	87.5E	33	4.7b		¶97i4269
NEIC	I 28 22 37 48.9	35.05N	87.45E	33	4.7b		
BJI	I 28 22 37 53.5	35.33N	87.87E	35	4.7b,4.5s		
EIDC	I 28 22 37 54.2	34.9N	87.3E	64	3.9b,3.9s		
ISC	**II 08 00 15 05**±2.3	**31.7N**±.15	**92.6E**±.18	**58**±25	**3.9b**	**10**	**2-78**
BJI	II 08 00 15 01.3	31.65N	92.66E	33	4.4b,4.1s		¶97ii1062
NEIC	II 08 00 15 02.2	31.60N	92.42E	33			
EIDC	II 08 00 15 06.3	31.4N	92.2E	53	3.6b,3.7L		
NEIC	Less reliable solution.						
ISC	**II 13 12 18 04**±1.0	**35.8N**±.12	**83.4E**±.22	**10**	**3.8b**	**10**	**7-84**
EIDC	II 13 12 18 04.1	35.7N	83.2E	0	3.5b		¶97ii1917
NEIC	II 13 12 18 04.4	35.72N	83.25E	10			
BJI	II 13 12 18 09.9	36.13N	83.95E	10	4.1L,4.9b		
NEIC	Less reliable solution.						
BJI	Ms4.2						
ISC	**II 18 04 32 13**±4.5	**32.6N**±.21	**93.9E**±.28	**43**±41	**3.7b**	**8**	**4-82**
EIDC	II 18 04 32 09.0	32.6N	94.0E	0	3.8b		¶97ii2601
NEIC	II 18 04 32 12.1	32.63N	93.91E	33			
BJI	II 18 04 32 14.6	32.58N	93.73E	32			
NEIC	Poor solution.						
ISC	**II 20 19 37 55.9**±.49	**30.22N**±.068	**96.72E**±.068	**30**	**3.9b**	**25**	**5-84**
NEIC	II 20 19 37 56.7	30.20N	96.55E	33			¶97ii2969
BJI	II 20 19 37 57.1	30.34N	96.89E	30	3.6L,4.6b		
EIDC	II 20 19 38 00.2	30.1N	96.6E	45	3.7b		
NEIC	Less reliable solution.						
BJI	Ms4.0						
ISC	**III 04 20 39 46**±1.8	**34.80N**±.070	**86.58E**±.070	**44**±18	**3.9b**	**35**	**6-82**
MOS	III 04 20 39 44.1	34.9N	86.5E	33	4.6b		¶97iii0915
NEIC	III 04 20 39 44.5	34.78N	86.56E	33	4.5b		
BJI	III 04 20 39 48.3	35.16N	86.59E	57	4.7b,4.3s		
EIDC	III 04 20 39 56.0	34.7N	86.7E	123	3.5b		
NEIC	Less reliable solution.						
ISC	**III 04 23 31 39**±9.5	**34.75N**±.092	**86.7E**±.16	**15**±59	**3.9b**	**13**	**19-82**
EIDC	III 04 23 31 39.1	34.6N	86.5E	0	3.8b,3.8L		¶97iii0940
NEIC	III 04 23 31 41.8	34.71N	86.61E	33			
NEIC	Less reliable solution.						
ISC	**III 05 15 13 13**±1.7	**30.77N**±.052	**90.38E**±.044	**6**±11	**4.5b,4.3s**	**76**	**1-151**
EIDC	III 05 15 13 13.8	30.7N	90.3E	0	4.4b,4.2s		¶97iii1082
NEIC	III 05 15 13 17.1	30.75N	90.27E	33	4.7b		
MOS	III 05 15 13 17.5	30.8N	90.2E	33	4.9b		
BJI	III 05 15 13 18.7	30.93N	90.72E	29	4.8b,4.6s		
ISC	**III 13 03 02 50**±3.5	**31.0N**±.30	**88.9E**±.26	**56**±33	**3.7b**	**8**	**6-85**
NEIC	III 13 03 02 47.3	31.17N	88.96E	33			¶97iii2633
EIDC	III 13 03 02 51.4	31.1N	88.9E	55	3.4b,4.4L		
NEIC	Less reliable solution.						
ISC	**III 21 18 26 18**±1.4	**33.7N**±.29	**86.9E**±.56	**33**	**3.5b**	**7**	**19-83**
EIDC	III 21 18 26 14.3	33.9N	87.2E	0	3.6b,2.9s		¶97iii4114
NEIC	III 21 18 26 17.5	33.76N	87.00E	33	3.7b		
NEIC	Poor solution.						
ISC	**III 21 21 04 48**±1.5	**33.02N**±.039	**84.67E**±.033	**25**±11	**4.6b,4.9s**	**135**	**6-146**
EIDC	III 21 21 04 45.5	33.1N	84.8E	0	4.5b,5.0L		¶97iii4138
BJI	III 21 21 04 48.1	33.05N	84.72E	29	4.9b,5.3s		
NEIC	III 21 21 04 48.6	32.93N	84.61E	33	4.9b,4.9s		
MOS	III 21 21 04 49.4	33.0N	84.7E	33	5.1b,4.8s		
HRVD	III 21 21 04 57.5±.6	33.15N±.09	85.02E±.10	15			
NEIC	Mw5.4(HRVD).						

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c22; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.09±.44; $M_{\theta\theta}$−4.37±.64; $M_{\phi\phi}$9.46±.46; $M_{r\theta}$−1.96±1.42; $M_{r\phi}$8.78±3.31; $M_{\theta\phi}$0.93±.53. Principal Axes: T 13.6,Plg25°,Azm270°; N −3.5,Plg19°,Azm171°; P −10.1,Plg58°,Azm48°. Best double couple: $M_0$1.2×10^{17}Nm, NP1: ϕ_S35°,δ26°,λ−43°. NP2:ϕ_S165°,δ73°,λ−110°.

ISC	**III 22 21 14 39**±1.5	**30.3N**±.18	**88.0E**±.17	**33**±18	**3.5b**	**10**	**3-86**
NEIC	III 22 21 14 39.1	30.17N	87.80E	33	3.4b		¶97iii4318
BJI	III 22 21 14 40.0	30.28N	88.00E	30	3.1L,4.6b		
EIDC	III 22 21 14 47.0	28.9N	86.8E	80	3.3b,4.4L		
NEIC	Less reliable solution.						
BJI	Ms4.5						
ISC	**III 22 21 16 05**±1.2	**29.92N**±.074	**87.99E**±.058	**34**±12	**4.1b**,4.0s	**39**	**3-120**
EIDC	III 22 21 16 03.0	30.0N	88.2E	9	4.1b,4.2L		¶97iii4319
NEIC	III 22 21 16 04.8	29.90N	88.15E	33	4.4b		
MOS	III 22 21 16 05.4	29.9N	88.1E	33	4.3b		
BJI	III 22 21 16 05.5	29.93N	88.19E	31	3.5L,4.5b		
NEIC	Less reliable solution.						
BJI	Ms4.4						
ISC	**III 31 07 02 50**±3.3	**34.3N**±.45	**82.9E**±.40	**33**	**3.7b**	**6**	**20-82**
EIDC	III 31 07 02 41.0	33.4N	82.7E	0	3.7b,2.7s		¶97iii5857
ISC	**III 31 20 40 38.9**±.55	**32.40N**±.086	**94.00E**±.091	**32**	**3.8b**	**26**	**4-83**
EIDC	III 31 20 40 35.6	32.3N	94.0E	0	3.9b,3.7L		¶97iii5932
BJI	III 31 20 40 36.6	32.36N	93.94E	32	3.8L,4.7b		
NEIC	III 31 20 40 38.3	32.20N	93.91E	33	3.9b		
BJI	Ms4.0						
NEIC	Less reliable solution.						
EIDC	**IV 01 08 48 15.0**	**32.8N**	**86.8E**	**32**	**3.8b**,4.4L		**18-84**
							¶97iv0041
ISC	**IV 05 17 31 52**±1.1	**30.05N**±.057	**86.08E**±.047	**41**±12	**4.3b,3.9s**	**63**	**4-153**
BJI	IV 05 17 31 49.4	30.05N	86.25E	19	4.6b,4.2s		¶97iv0817
MOS	IV 05 17 31 50.7	29.9N	86.0E	33	4.6b		
NEIC	IV 05 17 31 51.2	30.09N	86.06E	33	4.5b,4.4s		
EIDC	IV 05 17 31 53.4	30.1N	86.1E	39	4.1b,3.6s		
ISC	**IV 12 15 23 39**±1.2	**30.0N**±.11	**95.8E**±.27	**6**	**3.4b**	**9**	**7-85**
EIDC	IV 12 15 23 39.9	30.0N	95.6E	0	3.4b,3.7L		¶97iv2086
BJI	IV 12 15 24 22.3	32.35N	99.34E	6	3.5L,3.7s		
ISC	**IV 12 22 45 24**±1.2	**30.36N**±.076	**97.43E**±.081	**51**±14	**3.8b**	**23**	**5-145**
EIDC	IV 12 22 45 19.8	30.5N	97.3E	0	3.8b,4.0L		¶97iv2147
NEIC	IV 12 22 45 22.2	30.35N	97.38E	33			
BJI	IV 12 22 45 22.8	30.42N	97.41E	20	3.7L,4.6b		
BJI	Ms3.7						
ISC	**IV 12 22 48 01**±1.3	**30.4N**±.23	**97.5E**±.26	**12**	**3.8b**	**8**	**12-84**
EIDC	IV 12 22 48 01.4	30.6N	97.8E	0	3.7b		¶97iv2148
NEIC	IV 12 22 48 03.8	30.42N	97.56E	33			
BJI	IV 12 22 48 07.6	30.45N	97.50E	12	3.5L		
NEIC	Poor solution.						
ISC	**IV 13 12 26 17**±1.1	**30.40N**±.063	**97.50E**±.066	**60**±12	**4.0b**,4.1s	**34**	**5-145**
NEIC	IV 13 12 26 14.4	30.42N	97.39E	33	3.7b		¶97iv2241
BJI	IV 13 12 26 14.9	30.50N	97.44E	24	4.2L,4.4b		
EIDC	IV 13 12 26 15.7	30.4N	97.5E	27	3.9b,3.5L		
BJI	Ms4.0						
ISC	**IV 13 22 14 41**±1.1	**30.41N**±.062	**97.44E**±.065	**65**±12	**4.0b**	**34**	**5-84**
EIDC	IV 13 22 14 35.6	30.5N	97.5E	0	4.0b,3.9L		¶97iv2308
NEIC	IV 13 22 14 38.1	30.47N	97.41E	33	4.5b		
BJI	IV 13 22 14 39.4	30.43N	97.35E	23	4.0L,4.8b		
MOS	IV 13 22 14 39.5	30.6N	97.3E	33	4.6b		
BJI	Ms4.1						
ISC	**IV 14 01 33 39**±1.6	**34.36N**±.073	**89.7E**±.12	**47**±17	**4.1b**,4.2s	**26**	**5-151**
BJI	IV 14 01 33 34.9	33.99N	89.65E	22	3.4L,4.4b		¶97iv2360
EIDC	IV 14 01 33 34.9	34.3N	89.8E	0	4.1b,3.8L		
MOS	IV 14 01 33 37.4	34.4N	90.4E	33	4.8b		
NEIC	IV 14 01 33 37.6	34.23N	89.64E	33	4.6b,4.2s		
BJI	Ms4.1						
NEIC	Less reliable solution.						
ISC	**IV 14 15 30 49.3**±.87	**34.4N**±.17	**89.9E**±.35	**33**	**3.7b**	**8**	**18-81**
EIDC	IV 14 15 30 46.3	34.5N	90.1E	0	3.8b		¶97iv2479
NEIC	IV 14 15 30 49.2	34.40N	89.86E	33	3.2b		
NEIC	Poor solution.						

ISC	**IV**	**15 20 43 47**±1.9	**30.07N**±.097	**97.1E**±.13	**119**±20	**3.7b**	**15**	**6-84**
BJI	IV	15 20 43 43.4	29.99N	97.20E	82	4.2b,4.1s		**¶97iv2646**
NEIC	IV	15 20 43 44.8	30.12N	97.13E	100			
EIDC	IV	15 20 43 47.6	30.1N	97.2E	108	3.5b,3.2L		
NEIC	Less reliable solution.							
ISC	**IV**	**19 08 32 25**±3.3	**32.97N**±.060	**94.36E**±.064	**5**±21	**4.2b,3.9s**	**58**	**4-82**
EIDC	IV	19 08 32 25.7	32.9N	94.3E	0	4.0b,4.3L		**¶97iv3175**
BJI	IV	19 08 32 27.3	32.87N	94.28E	26	4.2L,4.9b		
NEIC	IV	19 08 32 28.9	32.86N	94.23E	33	4.4b		
MOS	IV	19 08 32 29.2	33.1N	94.3E	33	4.7b		
BJI	Ms4.5							
ISC	**IV**	**27 01 18 00**±1.5	**32.5N**±.27	**82.8E**±.39	**33**	**3.7b**	**6**	**20-84**
EIDC	IV	27 01 17 57.0	32.3N	82.3E	0	3.6b		**¶97iv4638**
ISC	**IV**	**28 15 23 54**±1.1	**34.3N**±.24	**89.7E**±.51	**33**	**3.9b**	**5**	**18-56**
EIDC	IV	28 15 23 51.7	33.8N	88.8E	0	3.7b,3.7L		**¶97iv4949**
ISC	**V**	**15 03 58 33.4**±.92	**34.26N**±.048	**89.87E**±.037	**40**±8.8	**4.8b,4.2s**	**188**	**5-163**
BJI	V	15 03 58 31.9	34.37N	90.00E	20	4.3L,4.6b		**¶97v2559**
NEIC	V	15 03 58 32.5	34.26N	89.83E	33	5.0b,4.3s		
MOS	V	15 03 58 33.6	34.4N	89.8E	33	5.2b,4.4s		
EIDC	V	15 03 58 36.4	34.2N	89.9E	55	4.3b,3.6s		
BJI	Ms4.7							
ISC	**V**	**15 11 00 36**±1.6	**34.3N**±.37	**89.5E**±.79	**33**	**3.7b**	**4**	**20-71**
EIDC	V	15 11 00 32.9	33.8N	88.8E	0	3.7b		**¶97v2601**
ISC	Poorly determined							
BJI	**V**	**16 10 59 00.0**	**30.12N**	**97.11E**	**6**	**3.3L**		**¶97v2762**
EIDC	V	16 10 58 53.4	31.3N	98.1E	0	3.7b		
ISC	**V**	**16 11 18 07.8**±.70	**30.29N**±.028	**97.00E**±.028	**33**±6.8	**5.1b,4.9s**	**339**	**5-165**
BJI	V	16 11 18 07.0	30.37N	97.02E	25	5.4L,5.3b		**¶97v2764**
NEIC	V	16 11 18 07.7	30.29N	96.99E	33	5.2b,4.9s		
MOS	V	16 11 18 07.9	30.3N	97.0E	33	5.7b,4.9s		
EIDC	V	16 11 18 11.8	30.3N	97.0E	54	4.7b,4.3s		
BJI	Ms5.3							
ISC	**V**	**16 13 44 21**±4.9	**30.13N**±.073	**96.92E**±.070	**1**±31	**4.0b**	**27**	**5-145**
EIDC	V	16 13 44 23.8	30.2N	96.9E	0	4.0b,4.3L		**¶97v2781**
BJI	V	16 13 44 25.9	30.17N	97.11E	28	3.1L,4.5b		
NEIC	V	16 13 44 26.1	30.09N	96.87E	33	4.2b		
BJI	Ms3.5							
NEIC	Less reliable solution.							
ISC	**VI**	**05 16 14 55.2**±.59	**32.94N**±.093	**94.39E**±.078	**22**	**3.9b**	**25**	**4-75**
EIDC	VI	05 16 14 53.7	33.0N	94.4E	0	3.9b,4.4L		**¶97vi0801**
BJI	VI	05 16 14 55.6	32.75N	94.30E	22	3.8L,4.5b		
NEIC	VI	05 16 14 57.1	33.09N	94.40E	33	4.0b		
BJI	Ms4.3							
NEIC	Less reliable solution.							
ISC	**VI**	**17 20 36 45**±6.5	**33.38N**±.097	**89.6E**±.19	**20**±49	**3.7b**	**12**	**10-71**
NEIC	VI	17 20 36 44.6	33.42N	89.69E	16			**¶97vi2688**
BJI	VI	17 20 36 44.8	33.33N	89.61E	18	4.3b		
EIDC	VI	17 20 36 47.7	33.3N	89.9E	16	3.6b,3.9L		
NEIC	Single network solution.							
ISC	**VI**	**22 04 54 17**±5.3	**30.5N**±.14	**96.7E**±.15	**17**±41	**3.8b**	**9**	**5-145**
EIDC	VI	22 04 54 16.4	30.6N	96.8E	0	3.9b		**¶97vi3328**
NEIC	VI	22 04 54 18.9	30.44N	96.68E	33			
BJI	VI	22 04 54 19.0	30.35N	96.94E	15	3.3L		
NEIC	Single network solution.							
ISC	**VI**	**22 05 21 20**±1.3	**34.00N**±.064	**82.65E**±.064	**36**±14	**3.9b,3.8s**	**33**	**6-83**
EIDC	VI	22 05 21 16.1	34.0N	82.6E	0	3.9b,3.8s		**¶97vi3331**
NEIC	VI	22 05 21 18.7	33.99N	82.67E	33			
BJI	VI	22 05 21 18.8	34.05N	82.72E	29	4.6b,3.8s		
MOS	VI	22 05 21 18.9	33.9N	82.6E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**22 08 14 25.3**±.64	**30.1N**±.10	**96.7E**±.12	**25**	**3.6b**	**14**	**5-84**
BJI	VI	22 08 14 24.6	30.32N	96.52E	25	3.4L		**¶97vi3347**
NEIC	VI	22 08 14 25.2	30.07N	96.33E	22			
EIDC	VI	22 08 14 28.5	29.9N	96.1E	21	3.5b,4.3L		
NEIC	Single network solution.							
ISC	**VI**	**24 01 55 24**±1.3	**30.20N**±.085	**96.87E**±.078	**73**±14	**3.8b**	**25**	**5-145**
BJI	VI	24 01 55 17.5	30.08N	96.58E	23	3.9L,3.8s		**¶97vi3619**
MOS	VI	24 01 55 19.8	30.2N	96.9E	33	4.9b		
NEIC	VI	24 01 55 20.0	30.28N	96.81E	33	4.7b		
EIDC	VI	24 01 55 25.7	30.2N	96.9E	71	3.7b,4.0L		
NEIC	Less reliable solution.							
ISC	**VI**	**24 02 57 29**±1.3	**30.39N**±.090	**97.08E**±.080	**68**±15	**3.9b**	**22**	**5-145**
NEIC	VI	24 02 57 24.2	30.27N	97.11E	33	4.7b		**¶97vi3624**
BJI	VI	24 02 57 24.9	30.22N	96.93E	24	3.6L,3.7s		
EIDC	VI	24 02 57 32.3	30.4N	97.2E	81	3.7b,4.3L		
NEIC	Less reliable solution.							
ISC	**VI**	**24 04 30 00**±1.1	**30.41N**±.066	**97.01E**±.064	**53**±12	**4.2b**	**42**	**5-145**
NEIC	VI	24 04 29 57.4	30.43N	96.91E	33	4.4b		**¶97vi3634**
BJI	VI	24 04 29 59.1	30.39N	97.11E	23	3.9L,4.4b		
EIDC	VI	24 04 30 00.9	30.4N	97.0E	48	3.9b,4.1L		
NEIC	Less reliable solution.							
BJI	Ms4.0							
ISC	**VI**	**24 04 30 58**±3.7	**30.2N**±.11	**97.2E**±.19	**54**±39	**3.9b**	**10**	**12-145**
NEIC	VI	24 04 30 56.1	30.24N	97.22E	33			**¶97vi3635**
EIDC	VI	24 04 31 01.1	30.2N	97.2E	59	3.6b,4.6L		
NEIC	Single network solution.							
BJI	**VI**	**24 09 44 17.3**	**30.18N**	**97.15E**	**10**	**3.2L**		**¶97vi3688**
ISC	**VI**	**26 01 32 00**±3.1	**30.21N**±.062	**96.77E**±.082	**21**±25	**4.1b**	**31**	**5-145**
BJI	VI	26 01 32 00.3	30.32N	96.88E	16	3.9L,4.4b		**¶97vi4063**
NEIC	VI	26 01 32 01.7	30.26N	96.75E	33	4.5b		
MOS	VI	26 01 32 02.5	30.3N	96.9E	33	4.4b		
EIDC	VI	26 01 32 07.8	30.2N	97.0E	58	3.8b,4.3L		
BJI	Ms4.1							
ISC	**VI**	**26 04 00 04**±2.3	**30.3N**±.11	**96.9E**±.14	**39**±24	**3.7b**	**12**	**6-145**
EIDC	VI	26 04 00 01.0	30.4N	96.9E	0	3.9b,3.7L		**¶97vi4079**
BJI	VI	26 04 00 03.0	30.47N	96.90E	18	3.6L,4.4b		
NEIC	VI	26 04 00 03.1	30.40N	96.95E	33			
BJI	Ms3.8							
ISC	**VI**	**26 13 56 01.7**±.46	**30.78N**±.062	**90.35E**±.071	**17**	**4.0b**,3.4s	**30**	**1-119**
EIDC	VI	26 13 56 00.8	30.7N	90.3E	0	4.0b,4.1L		**¶97vi4148**
BJI	VI	26 13 56 02.9	30.86N	90.57E	17	4.4b,4.0s		
NEIC	VI	26 13 56 03.8	30.80N	90.34E	33			
MOS	VI	26 13 56 04.8	31.0N	90.4E	33	4.3b		
NEIC	Less reliable solution.							
BJI	**VI**	**26 14 05 50.7**	**30.34N**	**97.06E**	**15**	**3.5L**		**¶97vi4152**
ISC	**VI**	**27 11 49 21**±1.4	**30.31N**±.078	**96.95E**±.080	**54**±15	**3.8b**,3.3s	**22**	**5-79**
BJI	VI	27 11 49 18.0	30.18N	96.93E	10	3.9L,4.5b		**¶97vi4294**
NEIC	VI	27 11 49 19.2	30.32N	96.81E	33	4.2b		
EIDC	VI	27 11 49 22.5	30.3N	96.9E	43	3.7b,4.2L		
NEIC	Less reliable solution.							
ISC	**VI**	**28 02 23 51**±2.0	**33.96N**±.063	**82.58E**±.050	**25**±17	**4.1b,3.7s**	**43**	**7-83**
BJI	VI	28 02 23 51.9	34.13N	82.72E	27	4.6b,4.5s		**¶97vi4401**
NEIC	VI	28 02 23 52.4	33.94N	82.60E	33	4.5b		
MOS	VI	28 02 23 52.5	33.9N	82.5E	33	4.1b		
EIDC	VI	28 02 23 54.1	34.0N	82.6E	30	3.9b,3.7s		
NEIC	Less reliable solution.							
BJI	**VI**	**30 21 49 38.2**	**33.78N**	**87.00E**	**21**	**3.3L**		**¶97vi4826**

(307) Sichuan Province.

BJI	**I**	**01 19 54 34.0**	**29.43N**	**105.52E**	**15**	**3.0L**		**¶97i0109**
BJI	**I**	**07 14 10 56.4**	**29.37N**	**104.20E**	**22**	**2.9L**		**¶97i0931**
BJI	**I**	**08 19 03 38.0**	**29.38N**	**101.91E**	**13**	**3.1L**		**¶97i1103**
BJI	**I**	**08 21 55 06.6**	**27.86N**	**101.18E**	**9**	**2.9L**		**¶97i1123**
ISC	**I**	**09 06 48 47**±1.8	**32.9N**±.10	**103.4E**±.17	**57**±20	**3.7b**	**11**	**2-80**
EIDC	I	09 06 48 41.9	33.0N	103.9E	0	3.7b,4.3L		**¶97i1180**
NEIC	I	09 06 48 44.5	32.96N	103.59E	33	3.2b		
BJI	I	09 06 48 46.9	32.67N	103.39E	33	3.6L,3.8s		
NEIC	Poor solution.							
ISC	**I**	**11 12 24 26**±1.2	**28.62N**±.089	**104.8E**±.18	**10**		**4**	**2-6**
BJI	I	11 12 24 26.0	28.58N	104.75E	10	3.4L		**¶97i1519**
ISC	Poorly determined							
BJI	**I**	**18 00 09 11.4**	**29.14N**	**102.05E**	**20**	**3.2L**		**¶97i2568**
ISC	**I**	**22 20 31 18**±2.7	**27.6N**±.18	**102.3E**±.19	**0**	**4.0b**	**10**	**2-86**
BJI	I	22 20 31 21.9	27.47N	101.87E	20	3.3L		**¶97i3379**
EIDC	I	22 20 31 24.3	28.8N	105.3E	0	4.0b,3.8L		
BJI	**I**	**25 19 42 28.6**	**28.95N**	**102.81E**	**13**	**3.3L,3.2s**		**¶97i3844**
BJI	**II**	**06 10 21 19.8**	**29.60N**	**105.52E**	**18**	**3.2L**		**¶97ii0822**
ISC	**II**	**16 11 35 55**±1.7	**28.30N**±.098	**104.1E**±.17	**57**±16	**3.9b**	**18**	**3-84**
EIDC	II	16 11 35 49.6	28.1N	104.0E	0	3.9b,3.9L		**¶97ii2370**
NEIC	II	16 11 35 52.0	28.09N	103.93E	33			
BJI	II	16 11 35 54.3	28.38N	104.21E	26	3.9L,3.6s		
NEIC	Single network solution.							
BJI	**II**	**17 19 03 07.7**	**30.92N**	**104.29E**	**14**	**3.0L**		**¶97ii2529**
ISC	**II**	**24 18 43 07.2**±.79	**29.40N**±.046	**105.64E**±.065	**40**±8.5	**4.0b**	**38**	**2-115**
BJI	II	24 18 43 05.5	29.43N	105.61E	21	4.2L,4.5b		**¶97ii3526**
NEIC	II	24 18 43 06.3	29.36N	105.57E	33	4.5b		
MOS	II	24 18 43 06.5	29.4N	105.7E	33	4.6b		
EIDC	II	24 18 43 15.0	29.4N	105.8E	91	3.7b,4.1L		
BJI	Ms4.1							
NEIC	Less reliable solution.							
ISC	**III**	**02 01 55 13**±2.8	**29.3N**±.12	**102.5E**±.38	**7**		**4**	**2-7**
BJI	III	02 01 55 12.1	29.30N	102.51E	7	3.7L		**¶97iii0224**
ISC	Poorly determined							
BJI	**III**	**05 17 38 22.5**	**29.51N**	**105.48E**	**19**	**3.2L**		**¶97iii1109**
ISC	**III**	**05 23 40 43**±1.3	**29.8N**±.10	**104.4E**±.21	**3**	3.5b	**5**	**1-83**
BJI	III	05 23 40 43.5	29.72N	104.28E	3	3.9L		**¶97iii1151**
ISC	Poorly determined							
BJI	**III**	**09 23 56 18.4**	**26.31N**	**102.63E**	**16**	**3.2L**		**¶97iii2116**
ISC	**III**	**10 03 12 23.0**±.41	**29.28N**±.052	**103.10E**±.063	**11**	**4.4b**	**36**	**2-84**
NEIC	III	10 03 12 22.4	29.19N	103.09E	10	4.5b		**¶97iii2134**
BJI	III	10 03 12 23.1	29.18N	103.14E	11	4.4L,4.4b		
EIDC	III	10 03 12 23.1	29.2N	103.2E	0	4.4b,4.1L		
NEIC	Less reliable solution.							
BJI	Ms4.2							
BJI	**III**	**19 20 21 46.0**	**28.92N**	**104.76E**	**21**	**4.3b**		**¶97iii3763**
BJI	**III**	**29 10 29 46.7**	**29.36N**	**103.72E**	**4**	**3.0L,3.7s**		**¶97iii5572**
BJI	**III**	**29 13 22 59.9**	**31.03N**	**107.53E**	**15**	**3.2L**		**¶97iii5593**
BJI	**IV**	**01 05 57 13.6**	**29.20N**	**103.51E**	**15**	**2.8L**		**¶97iv0025**
EIDC	**IV**	**12 20 43 12.8**	**28.9N**	**101.4E**	**0**	**3.6b**		**9-84**
								¶97iv2126
ISC	**IV**	**13 14 31 41.3**±.82	**31.9N**±.12	**99.5E**±.23	**33**	**3.7b**	**7**	**13-64**
EIDC	IV	13 14 31 39.7	31.9N	99.6E	0	3.7b		**¶97iv2253**
NEIC	IV	13 14 31 41.3	31.87N	99.53E	33			
NEIC	Single network solution.							
BJI	**IV**	**14 13 11 28.8**	**29.16N**	**105.40E**	**9**	**3.2L**		**¶97iv2464**
BJI	**IV**	**21 19 10 42.0**	**27.49N**	**102.26E**	**10**	**3.0L**		**¶97iv3557**
ISC	**IV**	**22 09 00 35**±1.3	**28.75N**±.062	**102.2E**±.11	**62**±13	**4.2b**	**27**	**3-117**
EIDC	IV	22 09 00 28.9	28.7N	102.1E	0	4.0b,4.0L		**¶97iv3677**
NEIC	IV	22 09 00 32.0	28.65N	102.10E	33	4.6b		
BJI	IV	22 09 00 32.1	28.88N	102.19E	21	4.0L,4.4b		
NEIC	Less reliable solution.							
BJI	Ms3.9							
ISC	**IV**	**23 02 31 07**±1.5	**32.2N**±.11	**103.7E**±.27	**10**	3.3b	**4**	**1-81**
BJI	IV	23 02 31 08.3	32.25N	103.74E	10	3.4L		**¶97iv3881**
ISC	Poorly determined							
ISC	**V**	**06 13 28 29**±1.1	**29.69N**±.093	**104.5E**±.19	**27**	4.1b	**5**	**1-57**
BJI	V	06 13 28 29.8	29.57N	104.35E	27	3.7L,3.7s		**¶97v0972**
BJI	**V**	**17 13 35 04.1**	**28.95N**	**103.73E**	**15**	**2.8L**		**¶97v2937**
BJI	**V**	**24 08 12 12.8**	**29.21N**	**105.44E**	**27**	**2.8L**		**¶97v4082**
ISC	**V**	**24 17 08 58.8**±.76	**31.50N**±.040	**104.28E**±.053	**36**±8.1	**4.4b**	**58**	**1-96**
BJI	V	24 17 08 56.2	31.49N	104.32E	15	4.6L,4.2b		**¶97v4144**
MOS	V	24 17 08 58.0	31.4N	104.3E	33	4.7b		
NEIC	V	24 17 08 58.4	31.57N	104.28E	33	4.5b		
EIDC	V	24 17 09 02.8	31.5N	104.2E	54	4.1b,3.5L		
BJI	Ms4.1							
BJI	**V**	**26 19 14 56.1**	**29.17N**	**105.24E**	**11**	**2.9L**		**¶97v4453**
BJI	**V**	**28 02 19 53.4**	**28.84N**	**104.04E**	**25**	**3.0L**		**¶97v4646**
BJI	**V**	**28 03 55 29.6**	**30.08N**	**102.35E**	**15**	**3.0L**		**¶97v4652**
BJI	**V**	**31 19 44 11.4**	**28.17N**	**103.11E**	**14**	**3.0L**		**¶97v5229**
BJI	**VI**	**01 04 59 01.1**	**29.30N**	**104.82E**	**10**	**3.2L**		**¶97vi0022**
BJI	**VI**	**02 12 50 56.9**	**33.66N**	**102.92E**	**5**	**3.0L**		**¶97vi0240**
EIDC	**VI**	**05 07 55 11.5**	**28.8N**	**101.5E**	**0**	**3.7b**		**24-61**
								¶97vi0727
BJI	**VI**	**05 16 55 33.4**	**29.28N**	**105.01E**	**29**	**3.3L**		**¶97vi0807**
BJI	**VI**	**09 22 53 42.6**	**31.96N**	**101.72E**	**12**	**3.6L,4.0b**		**¶97vi1449**
BJI	Ms3.4							
BJI	**VI**	**11 16 33 35.9**	**29.64N**	**104.15E**	**14**	**2.9L**		**¶97vi1721**
BJI	**VI**	**13 13 38 53.6**	**31.03N**	**104.17E**	**17**	**2.8L**		**¶97vi1996**
BJI	**VI**	**14 21 03 26.0**	**29.44N**	**104.22E**	**10**	**3.1L**		**¶97vi2175**
BJI	**VI**	**16 15 50 16.5**	**29.34N**	**105.45E**	**16**	**2.9L**		**¶97vi2491**
ISC	**VI**	**17 08 25 50**±1.4	**29.4N**±.12	**105.6E**±.22	**20**		**4**	**2-7**
BJI	VI	17 08 25 49.5	29.40N	105.53E	20	3.4L,3.7s		**¶97vi2576**
ISC	Poorly determined							
BJI	**VI**	**23 23 09 16.3**	**28.44N**	**103.64E**	**11**	**2.8L**		**¶97vi3605**
ISC	**VI**	**27 23 07 21.7**±.86	**28.40N**±.054	**104.84E**±.075	**47**±9.8	**4.0b**	**24**	**3-84**
BJI	VI	27 23 07 19.4	28.43N	104.90E	15	4.2L,4.5b		**¶97vi4379**
NEIC	VI	27 23 07 20.2	28.40N	104.90E	33	4.5b		
EIDC	VI	27 23 07 24.6	28.4N	104.8E	57	3.7b,3.7L		
BJI	Ms3.9							
NEIC	$M_{L4.2}$(BJI).							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
BJI	**VI**	**29 12 02 02.9**	**29.41N**	**103.70E**	**10**	**2.8L**		**¶97vi4622**

(308) Northern India.

ISC	**I**	**02 03 52 39**±2.5	**31.0N**±.18	**77.6E**±.33	**72**±29	**3.7b**	**9**	**2-86**
EIDC	I	02 03 52 17.0	28.7N	77.2E	0	3.9b		**¶97i0158**
NEIC	I	02 03 52 31.6	30.54N	77.84E	33	3.5b		
NEIC	Poor solution.							
EIDC	**II**	**24 19 37 12.1**	**31.8N**	**75.8E**	**0**	**3.9b**		**44-86**
								¶97ii3534
EIDC	**II**	**25 10 10 42.9**	**31.6N**	**76.5E**	**0**	**3.8b**		**23-120**
								¶97ii3608
ISC	**V**	**04 07 19 22**±2.2	**29.0N**±.20	**76.6E**±.25	**29**±16	**3.9b**	**9**	**1-88**
EIDC	V	04 07 19 19.8	29.0N	76.7E	0	3.9b,4.1L		**¶97v0583**
NEIC	V	04 07 19 22.9	29.00N	76.57E	33			
NEIC	Single network solution.							
ISC	**VI**	**29 20 11 53**±2.3	**30.1N**±.31	**78.3E**±.39	**33**	**4.1b**	**8**	**40-81**
EIDC	VI	29 20 11 48.9	30.1N	78.5E	0	4.2b,4.0s		**¶97vi4657**

(309) Nepal-India border region.

ISC	**I**	**05 08 47 25**±1.6	**29.87N**±.035	**80.56E**±.024	**25**±11	**5.4b,5.3s**	**421**	**3-152**
EIDC	I	05 08 47 22.0	29.8N	80.5E	0	5.0b,5.0s		**¶97i0643**
BJI	I	05 08 47 24.3	29.83N	80.49E	32	5.5b,5.6s		
MOS	I	05 08 47 24.5	29.6N	80.6E	33	5.7b,5.3s		
NEIC	I	05 08 47 25.4	29.85N	80.53E	33	5.6b,5.3s		
HRVD	I	05 08 47 31.6±.4	29.43N±.04	80.29E±.04	15			
NEIC	Mw5.6(HRV), Me5.3(GS). Damage.							
NEIC	Radiated energy from the P−wave first−motion solution: 1.7±0.4×10^{12}Nm/11							
NEIC	Mw 5.4 (GS). Many houses damaged in western Nepal. Felt at Baitadi and Dandeldhura.							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S120°,δ75°,λ80°. NP2:ϕ_S334°,δ18°,λ123°. Principal axes: T Plg59°,Azm16°; P Plg29°,Azm218°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s19, scale 10^{17}Nm; M_{rr}0.89; $M_{\theta\theta}$−0.75; $M_{\phi\phi}$−0.14; $M_{r\theta}$1.21; $M_{r\phi}$−0.59; $M_{\theta\phi}$−0.43. Depth 14km; Principal axes: T 1.80,Plg55°,Azm38°; N −0.40,Plg21°, Azm275°; P −1.40,Plg26°,Azm174°. Best double couple: $M_0$1.6×10^{17}Nm; NP1:ϕ_S225°,δ26°, λ37°. NP2:ϕ_S101°,δ75°,λ112°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c51; Half duration: 1^{s}3. Moment tensor: Scale 10^{17}Nm; M_{rr}1.23±.04; $M_{\theta\theta}$−1.29±.06; $M_{\phi\phi}$0.07±.07; $M_{r\theta}$1.69±.20; $M_{r\phi}$−1.09±.17; $M_{\theta\phi}$0.70±.05. Principal Axes: T 2.29,Plg62°,Azm42°; N 0.32, Plg7°,Azm300°; P −2.61,Plg27°,Azm206°. Best double couple: $M_0$2.5×10^{17}Nm, NP1: ϕ_S279°,δ19°,λ68°. NP2:ϕ_S122°,δ73°,λ97°.							
ISC	**I**	**05 09 11 14**±4.3	**29.8N**±.21	**80.5E**±.24	**59**±36	**3.8b**	**9**	**7-148**
NEIC	I	05 09 11 11.2	29.73N	80.59E	33			**¶97i0646**
EIDC	I	05 09 11 14.1	29.7N	80.7E	45	3.5b,4.1L		
NEIC	Single network solution.							
ISC	**I**	**05 11 38 24.6**±.63	**29.66N**±.093	**80.6E**±.13	**33**	**4.0b**	**13**	**3-87**
EIDC	I	05 11 38 22.1	29.8N	80.7E	0	3.9b,4.4L		**¶97i0663**
NEIC	I	05 11 38 24.5	29.67N	80.57E	33			
NEIC	Less reliable solution.							
ISC	**II**	**01 05 55 18**±2.0	**27.9N**±.17	**84.9E**±.15	**52**±25	**4.0b**	**15**	**11-70**
NEIC	II	01 05 55 12.6	27.90N	85.01E	10			**¶97ii0031**
EIDC	II	01 05 55 12.7	27.5N	84.5E	0	4.1b,4.4L		
NEIC	Poor solution.							
NEIC	Felt at Kathmandu.							
ISC	**II**	**03 00 43 09**±1.6	**27.94N**±.076	**84.90E**±.087	**42**±17	**3.8b**	**20**	**7-89**
BJI	II	03 00 43 04.9	27.92N	84.98E	18	4.2b		**¶97ii0301**
NEIC	II	03 00 43 05.6	27.98N	85.05E	18	3.9b		
EIDC	II	03 00 43 08.4	28.0N	84.9E	18	3.7b,4.3L		
NEIC	Less reliable solution.							
NEIC	Felt strongly in the epicentral area and at Kathmandu.							
ISC	**II**	**03 10 38 13**±2.6	**27.76N**±.069	**84.99E**±.068	**18**±21	**4.2b**	**29**	**6-123**
BJI	II	03 10 38 13.1	27.86N	84.96E	28	4.3b		**¶97ii0365**
NEIC	II	03 10 38 13.8	27.76N	85.02E	29	3.8b		
EIDC	II	03 10 38 16.1	27.9N	85.2E	28	4.0b,4.7L		
NEIC	Less reliable solution.							
ISC	**V**	**02 20 09 29**±2.6	**29.42N**±.064	**80.40E**±.073	**30**±21	**3.8b**	**28**	**3-88**
EIDC	V	02 20 09 26.0	29.5N	80.4E	0	3.7b		**¶97v0323**
BJI	V	02 20 09 27.9	29.46N	80.47E	13	4.6b		
MOS	V	02 20 09 28.7	29.4N	80.5E	33	4.7b		
NEIC	V	02 20 09 28.8	29.43N	80.43E	33	4.6b		

(310) Nepal.

ISC	**I**	**03 19 15 38.7**±.91	**29.3N**±.15	**81.6E**±.14	**33**	**3.9b**	**8**	**4-73**
NEIC	I	03 19 15 38.6	29.28N	81.55E	33			**¶97i0415**
EIDC	I	03 19 15 43.8	28.9N	80.9E	70	3.6b,4.3L		
NEIC	Less reliable solution.							
ISC	**I**	**31 17 09 19.9**±.99	**28.04N**±.055	**85.04E**±.048	**36**±11	**4.2b**	**52**	**6-153**
BJI	I	31 17 09 15.1	27.77N	84.99E	20	3.6L,4.6b		**¶97i4654**
MOS	I	31 17 09 15.6	28.0N	85.2E	10	4.6b		
NEIC	I	31 17 09 15.9	28.00N	85.22E	10	4.4b		
EIDC	I	31 17 09 16.0	27.9N	85.2E	0	4.1b,4.8L		
NEIC	Felt at Kathmandu.							
ISC	**I**	**31 20 02 14.2**±.17	**27.99N**±.035	**85.21E**±.028	**7**	**5.2b,4.7s**	**242**	**5-156**
BJI	I	31 20 02 14.9	28.05N	85.25E	7	4.6L,4.9b		**¶97i4667**
MOS	I	31 20 02 15.0	27.8N	85.3E	23	5.5b,4.8s		
NEIC	I	31 20 02 16.6	27.95N	85.13E	22	5.2b,4.8s		
EIDC	I	31 20 02 17.9	27.9N	85.2E	21	4.8b,4.3s		
BJI	Ms4.8							
NEIC	Some damage to buildings in the Dhunche area. Felt at Kathmandu.							
ISC	**I**	**31 20 55 56**±3.6	**27.92N**±.083	**85.05E**±.092	**24**±28	**3.9b**	**20**	**7-89**
NEIC	I	31 20 55 53.1	27.90N	85.12E	10	3.9b		**¶97i4679**
EIDC	I	31 20 55 54.2	28.0N	85.2E	0	3.8b,4.9L		
BJI	I	31 20 55 55.9	27.94N	85.52E	6	4.3b		
NEIC	Less reliable solution.							
NEIC	Felt at Kathmandu.							
ISC	**III**	**03 09 29 42**±1.3	**27.3N**±.11	**86.01E**±.078	**59**±11	**4.1b**	**40**	**5-147**
MOS	III	03 09 29 39.4	27.4N	86.1E	33	4.8b		**¶97iii0537**
NEIC	III	03 09 29 39.9	27.24N	86.08E	45	4.7b		
EIDC	III	03 09 29 39.9	26.8N	86.1E	44	3.8b		
BJI	III	03 09 29 42.6	26.92N	86.39E	71	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**24 21 28 04**±2.1	**27.94N**±.057	**85.03E**±.052	**21**±16	**4.3b,**4.0s	**51**	**6-87**
EIDC	III	24 21 28 02.6	27.9N	85.2E	0	4.3b,4.9L		**¶97iii4619**
BJI	III	24 21 28 03.7	27.90N	84.92E	33	4.4b,4.2s		
MOS	III	24 21 28 06.0	27.9N	84.9E	33	4.6b		
NEIC	III	24 21 28 06.0	27.89N	84.99E	33	4.5b		
NEIC	Felt in the epicentral area and at Kathmandu, Nepal.							
ISC	**IV**	**07 13 00 39.9**±.42	**27.43N**±.067	**86.56E**±.058	**16**	**4.1b,**4.1s	**35**	**5-148**
EIDC	IV	07 13 00 39.4	27.5N	86.6E	0	4.0b,4.2L		**¶97iv1162**
BJI	IV	07 13 00 42.1	27.51N	86.85E	16	4.3b,4.4s		
NEIC	IV	07 13 00 42.1	27.43N	86.55E	33	4.4b		
MOS	IV	07 13 00 42.3	27.4N	86.3E	33	4.5b		
NEIC	Less reliable solution.							
EIDC	**IV**	**14 18 10 44.6**	**29.2N**	**82.0E**	**0**	3.3b,3.3L		**19-73**
								¶97iv2494
ISC	**V**	**26 00 45 32.3**±.80	**27.7N**±.12	**86.9E**±.18	**33**	**3.6b**	**8**	**13-79**
EIDC	V	26 00 45 29.7	27.8N	87.0E	0	3.6b		**¶97v4346**
NEIC	V	26 00 45 32.1	27.68N	86.89E	33			
NEIC	Less reliable solution.							
ISC	**V**	**28 16 19 32.8**±.92	**28.3N**±.12	**82.6E**±.15	**33**	**3.5b**	**7**	**5-72**
EIDC	V	28 16 19 24.6	27.9N	81.0E	0	3.6b,3.7L		**¶97v4742**
NEIC	V	28 16 19 27.4	28.00N	81.04E	33			
NEIC	Poor solution.							

(312) Bhutan.

BJI	**VI**	**15 22 56 39.3**	**27.50N**	**91.81E**	**11**	**4.1b**	**¶97vi2369**

(313) India-China border region.

EIDC	**I**	**02 14 03 36.5**	**29.4N**	**94.8E**	**0**	**3.2b**		**62-85**
								¶97i0221
ISC	**III**	**07 02 18 33**±1.6	**29.9N**±.13	**95.43E**±.086	**63**±17	**3.8b**	**13**	**4-85**
EIDC	III	07 02 18 26.8	29.9N	95.4E	0	3.8b,4.5L		**¶97iii1406**
NEIC	III	07 02 18 29.6	29.79N	95.34E	33			
BJI	III	07 02 18 29.9	29.99N	95.07E	29			
NEIC	Single network solution.							
ISC	**III**	**10 17 50 38**±1.4	**27.42N**±.063	**92.68E**±.058	**38**±14	**4.2b**	**50**	**3-88**
EIDC	III	10 17 50 33.7	27.3N	92.6E	0	4.2b,4.4L		**¶97iii2253**
NEIC	III	10 17 50 36.9	27.38N	92.71E	33	4.4b		
BJI	III	10 17 50 37.1	27.38N	92.67E	35	4.5b,4.2s		
ISC	**III**	**10 17 55 12.6**±.33	**27.33N**±.056	**92.57E**±.045	**18**	**4.2b**	**65**	**3-88**
EIDC	III	10 17 55 11.6	27.3N	92.5E	0	4.2b,4.5L		**¶97iii2254**
BJI	III	10 17 55 12.1	27.30N	92.63E	18	4.7b,4.2s		
MOS	III	10 17 55 14.3	27.3N	92.4E	33	4.6b		
NEIC	III	10 17 55 14.4	27.22N	92.42E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**04 18 05 12**±1.9	**27.1N**±.28	**92.6E**±.47	**64**±19	**3.8b**	**7**	**3-78**
EIDC	IV	04 18 05 06.5	27.5N	92.8E	0	3.7b,3.6L		**¶97iv0641**
NEIC	IV	04 18 05 09.1	27.30N	92.65E	33			
BJI	IV	04 18 05 09.6	27.00N	92.74E	31	3.5L,4.2b		
NEIC	Poor solution.							
ISC	**V**	**04 07 31 54**±5.0	**27.5N**±.11	**92.5E**±.18	**24**±37	**3.8b**	**15**	**11-145**
EIDC	V	04 07 31 53.1	27.7N	92.6E	0	3.8b,4.1L		**¶97v0587**
NEIC	V	04 07 31 55.8	27.54N	92.57E	33			
BJI	V	04 07 31 58.8	27.72N	92.50E	32	4.3b		
NEIC	Single network solution.							
ISC	**VI**	**02 19 30 09.0**±.43	**28.04N**±.073	**92.65E**±.056	**27**	**4.2b**	**46**	**2-161**
EIDC	VI	02 19 30 06.8	28.1N	92.7E	0	4.1b,4.5L		**¶97vi0296**
NEIC	VI	02 19 30 09.6	28.05N	92.63E	33	4.8b		
MOS	VI	02 19 30 10.6	27.8N	92.3E	33	4.7b		
BJI	VI	02 19 30 11.3	28.17N	92.83E	27	3.9L,4.6b		
NEIC	Less reliable solution.							
BJI	Ms4.6							

(314) India.

ISC	**I**	**23 02 34 50**±1.2	**17.1N**±.26	**76.7E**±.22	**33**	**4.7b**	**12**	**21-146**
EIDC	I	23 02 34 43.3	17.3N	76.1E	0	4.6b		**¶97i3427**
NEIC	I	23 02 34 46.0	17.44N	76.06E	33			
NEIC	Poor solution.							
ISC	**III**	**20 14 55 30.2**±.97	**16.9N**±.15	**73.7E**±.13	**10**	**4.1b**	**9**	**5-71**
NEIC	III	20 14 55 30.0	16.88N	73.68E	10			**¶97iii3909**
EIDC	III	20 14 55 30.9	16.9N	73.7E	0	4.0b,4.3L		
NEIC	Less reliable solution.							
ISC	**V**	**21 22 51 28**±1.4	**23.09N**±.027	**80.08E**±.021	**29**±9.7	**5.8b,5.6s**	**599**	**6-152**
BJI	V	21 22 51 27.8	23.14N	79.95E	34	5.7b,5.7s		**¶97v3620**
NEIC	V	21 22 51 28.7	23.08N	80.04E	36	6.0b,5.6s		
MOS	V	21 22 51 29.3	23.1N	80.0E	33	6.2b,5.5s		
EIDC	V	21 22 51 30.9	23.0N	80.1E	38	5.6b,5.2s		
HRVD	V	21 22 51 31.8±.2	23.06N±.02	80.22E±.02	38			
NEIC	Mw5.8(GS), Me5.4(GS)							
NEIC	Radiated energy from the P−wave first−motion solution: 2.7±0.5×10^{12}Nm/17							
NEIC	Mw 5.8 (HRV). At least 38 people killed, more than 1,000 injured, thousands homeless and extensive damage in the Jabalpur area. Felt in much of Madhya Pradesh. Also felt at Allahabad, Delhi, Nagpur and in parts of western Orissa.							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S255°,δ20°,λ90°. NP2:ϕ_S75°,δ70°,λ90°. Principal axes: T Plg65°,Azm345°; P Plg25°,Azm165°. Two events about 1 second apart. Depth from synthetics of broadband displacement seismograms based on first event.							
NEIC	Moment tensor solution: s23, scale 10^{17}Nm; M_{rr}3.05; $M_{\theta\theta}$−3.36; $M_{\phi\phi}$0.31; $M_{r\theta}$3.65; $M_{r\phi}$2.14; $M_{\theta\phi}$−0.57. Depth 33km; Principal axes: T 5.31,Plg61°,Azm316°; N 0.06,Plg12°,Azm68°; P −5.38,Plg26°,Azm164°. Best double couple: $M_0$5.3×10^{17}Nm; NP1:ϕ_S279°,δ22°,λ123°. NP2: ϕ_S64°,δ72°,λ78°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c108; Mantle waves: s26,c34; Half duration: 1^{s}9. Moment tensor: Scale 10^{17}Nm; M_{rr}3.55±.07; $M_{\theta\theta}$−4.14±.08; $M_{\phi\phi}$0.59±.09; $M_{r\theta}$3.47±.14; $M_{r\phi}$2.52±.14; $M_{\theta\phi}$−0.71±.07. Principal Axes: T 5.77,Plg61°,Azm306°; N 0.11,Plg16°,Azm67°; P −5.88,Plg23°,Azm164°. Best double couple: $M_0$5.8×10^{17}Nm, NP1:ϕ_S283°,δ26°,λ129°. NP2:ϕ_S61°,δ70°,λ73°.							
ISC	**VI**	**04 19 29 38**±4.4	**23.08N**±.079	**80.0E**±.18	**31**±36	**3.8b**	**12**	**6-62**
EIDC	VI	04 19 29 35.4	23.0N	80.1E	0	3.7b,3.8L		**¶97vi0661**
NEIC	VI	04 19 29 38.6	23.14N	79.97E	33			
NEIC	M_D3.9(HYB), Less reliable solution.							

(315) India-Bangladesh border region.

ISC	**I**	**22 11 12 04.5**±.69	**25.6N**±.12	**90.3E**±.13	**33**	**4.0b**	**11**	**11-80**
EIDC	I	22 11 12 01.8	25.7N	90.4E	0	4.0b,3.8L		**¶97i3318**
NEIC	I	22 11 12 04.4	25.58N	90.32E	33			
NEIC	Less reliable solution.							
ISC	**II**	**17 16 48 43**±2.2	**24.7N**±.13	**91.8E**±.21	**40**±20	**3.7b**	**13**	**1-124**
EIDC	II	17 16 48 40.1	24.8N	91.6E	0	3.8b,3.4L		**¶97ii2516**
NEIC	II	17 16 48 42.3	24.59N	91.65E	33			
NEIC	Less reliable solution.							
EIDC	**IV**	**06 21 12 02.1**	**23.2N**	**92.0E**	**0**	**3.4b,**2.3s		**8-62**
								¶97iv1057

ISC	**IV**	**20 12 27 11**±1.6	**24.79N**±.091	**92.16E**±.099	**48**±16	**3.8b**	**15**	**5-124**
NEIC	IV	20 12 27 08.9	24.96N	92.25E	33			**¶97iv3311**
EIDC	IV	20 12 27 11.7	25.1N	92.5E	33	3.5b,3.6L		
BJI	IV	20 12 27 16.5	25.31N	92.56E	31	3.3L,3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**08 02 53 14.5**±.13	**24.89N**±.028	**92.28E**±.022	**34**±.7*	**5.5b,5.6s**	**586**	**5-164**
EIDC	V	08 02 53 11.0	24.8N	92.2E	0	5.3b,5.2s		**¶97v1171**
MOS	V	08 02 53 13.4	24.8N	92.3E	25	6.1b,5.6s		
BJI	V	08 02 53 13.9	25.08N	92.33E	23	6.0L,5.7b		
NEIC	V	08 02 53 14.7	24.89N	92.25E	35	5.6b,5.6s		
HRVD	V	08 02 53 19.3±.2	24.51N±.02	92.36E±.03	35			
BJI	Ms5.9							
NEIC	Mw6.0(GS), Me6.0(GS)							
NEIC	Radiated energy from the Harvard centroid solution: 2.6±0.8×10^{13}Nm/10							
NEIC	Mw 5.9 (HRV). Several people injured and some damage to older buildings at Sylhet, Bangladesh. Felt in much of Bangladesh. Also felt in parts of Assam, Meghalaya and Tripura, India.							
NEIC	Moment tensor solution: s16, scale 10^{18}Nm; M_{rr}0.12; $M_{\theta\theta}$−0.70; $M_{\phi\phi}$0.58; $M_{r\theta}$0.07; $M_{r\phi}$−0.21; $M_{\theta\phi}$1.05. Depth 28km; Principal axes: T 1.19,Plg8°,Azm119°; N 0.12,Plg79°, Azm337°; P −1.31,Plg7°,Azm210°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S254°,δ80°, λ1°. NP2:ϕ_S164°,δ89°,λ170°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c75; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.12; $M_{\theta\theta}$−3.71±.18; $M_{\phi\phi}$2.90±.20; $M_{r\theta}$−0.45±.31; $M_{r\phi}$3.09±.34; $M_{\theta\phi}$7.24±.13. Principal Axes: T 8.32,Plg18°,Azm300°; N 0.50, Plg68°,Azm158°; P −8.82,Plg12°,Azm35°. Best double couple: $M_0$8.6×10^{17}Nm, NP1:ϕ_S78°, δ68°,λ4°. NP2:ϕ_S347°,δ86°,λ158°.							
ISC	**V**	**10 19 26 18**±1.1	**25.0N**±.20	**92.4E**±.21	**33**	**3.7b**	**5**	**15-80**
EIDC	V	10 19 26 14.6	24.8N	92.2E	0	3.7b		**¶97v1651**
NEIC	V	10 19 26 17.7	24.98N	92.41E	33			
NEIC	Poor solution.							
ISC	**VI**	**24 13 00 05.0**±.91	**25.7N**±.17	**89.9E**±.21	**33**	**3.7b**	**7**	**11-80**
EIDC	VI	24 13 00 01.8	25.8N	89.8E	0	3.7b,3.4L		**¶97vi3713**
ISC	**VI**	**24 14 09 19**±1.8	**25.1N**±.11	**92.3E**±.13	**67**±18	**3.8b**	**15**	**5-124**
NEIC	VI	24 14 09 16.2	25.39N	92.57E	38			**¶97vi3723**
EIDC	VI	24 14 09 18.6	25.1N	92.1E	40	3.6b,4.0L		
BJI	VI	24 14 09 19.6	25.09N	92.47E	64	3.3L		
NEIC	Single network solution.							

(316) Bangladesh.

EIDC	**IV**	**04 10 08 38.8**	**23.1N**	**90.4E**	**0**	**3.7b**,4.2L		**3-82**
								¶97iv0593
BJI	**VI**	**15 01 05 37.6**	**23.98N**	**89.91E**	**35**	**4.6b**		**¶97vi2202**
EIDC	VI	15 01 05 52.6	34.3N	96.7E	0	3.7b		

(317) Eastern India.

BJI	**I**	**12 08 19 51.5**	**26.53N**	**91.25E**	**16**	**4.8b,4.4s**		**¶97i1646**
ISC	**V**	**06 02 57 49**±1.7	**25.1N**±.10	**93.6E**±.12	**52**±16	**3.9b**	**16**	**5-90**
NEIC	V	06 02 57 46.8	25.25N	93.66E	33			**¶97v0895**
EIDC	V	06 02 57 51.2	25.2N	93.7E	58	3.6b,4.7L		
BJI	V	06 02 57 54.4	26.10N	93.99E	15			
NEIC	Single network solution.							
EIDC	**V**	**12 14 41 40.4**	**25.8N**	**93.5E**	**0**	3.7b,4.4L		**9-63**
								¶97v1984
ISC	**V**	**19 15 32 59**±1.3	**25.03N**±.064	**93.89E**±.069	**65**±13	**3.9b**	**38**	**5-123**
MOS	V	19 15 32 54.6	25.0N	94.0E	33	4.8b		**¶97v3273**
NEIC	V	19 15 32 57.9	25.09N	93.96E	66	4.4b		
BJI	V	19 15 32 58.6	25.13N	93.87E	81	4.7b		
EIDC	V	19 15 33 00.1	24.9N	93.7E	66	3.7b,3.1s		
NEIC	Less reliable solution.							
ISC	**VI**	**27 16 37 07**±5.2	**26.7N**±.29	**92.8E**±.44	**34**±54	**3.9b**	**8**	**10-74**
EIDC	VI	27 16 37 04.7	26.7N	92.7E	0	3.8b,3.9L		**¶97vi4327**
NEIC	VI	27 16 37 07.3	26.69N	92.74E	33			
NEIC	Poor solution.							

(318) Yunnan Province.

BJI	**I**	**04 06 06 35.7**	**26.17N**	**99.78E**	**5**	**3.0L**		**¶97i0486**
BJI	**I**	**07 18 13 32.3**	**23.36N**	**102.13E**	**18**	**3.4L**		**¶97i0960**
ISC	**I**	**09 09 42 51.3**±.85	**23.82N**±.096	**104.52E**±.086	**5**	4.6b	**9**	**2-22**
BJI	I	09 09 42 50.3	23.69N	104.39E	5	3.8L,3.8s		**¶97i1199**
BJI	**I**	**12 10 05 11.7**	**24.30N**	**99.30E**	**26**	**3.7L**		**¶97i1660**
BJI	**I**	**13 16 08 31.3**	**24.30N**	**104.85E**	**17**	**3.3L**		**¶97i1865**
BJI	**I**	**22 01 34 14.8**	**24.33N**	**100.05E**	**8**	**3.6L**		**¶97i3260**
EIDC	I	22 01 34 23.2	23.4N	102.3E	0	3.6b,4.4L		
BJI	**I**	**26 20 23 20.7**	**25.34N**	**99.36E**	**16**	**2.9L**		**¶97i3993**
BJI	**I**	**27 15 28 49.2**	**25.02N**	**99.28E**	**23**	**2.9L**		**¶97i4100**
BJI	**I**	**30 22 13 10.6**	**22.03N**	**103.68E**	**30**	**3.2L**		**¶97i4552**
ISC	**II**	**01 05 39 27**±1.1	**27.7N**±.11	**100.8E**±.11	**18**		**8**	**3-18**
BJI	II	01 05 39 26.8	27.78N	101.00E	18	4.2L,3.9s		**¶97ii0029**
ISC	**II**	**01 09 36 03**±1.5	**27.83N**±.092	**100.5E**±.21	**33**	**3.9b**	**9**	**3-60**
EIDC	II	01 09 36 01.9	27.8N	100.8E	0	3.7b		**¶97ii0053**
NEIC	II	01 09 36 03.6	27.80N	100.53E	33			
BJI	II	01 09 36 04.5	27.81N	100.77E	33	3.6L,3.7s		
NEIC	Poor solution.							
BJI	**II**	**03 19 35 58.3**	**23.95N**	**105.89E**	**13**	**3.8L,3.9s**		**¶97ii0418**
BJI	**II**	**05 15 10 11.2**	**26.45N**	**100.54E**	**26**	**3.4L**		**¶97ii0711**
BJI	**II**	**07 03 45 43.1**	**25.69N**	**102.07E**	**8**	**3.2L**		**¶97ii0939**
BJI	**II**	**10 19 40 24.9**	**25.90N**	**102.25E**	**11**	**3.2L**		**¶97ii1507**
BJI	**II**	**19 08 49 54.4**	**25.86N**	**102.18E**	**16**	**2.8L**		**¶97ii2754**
EIDC	**IV**	**02 12 35 23.2**	**27.4N**	**104.4E**	**0**	**3.6b**		**3-58**
								¶97iv0248
BJI	**IV**	**09 03 11 19.4**	**26.82N**	**100.50E**	**18**	**3.0L**		**¶97iv1450**
ISC	**IV**	**14 15 12 25**±4.0	**25.77N**±.069	**103.56E**±.094	**7**±27	**3.7b**,3.2s	**20**	**1-87**
NEIC	IV	14 15 12 25.6	25.74N	103.65E	10	3.7b		**¶97iv2477**
EIDC	IV	14 15 12 25.8	25.9N	103.7E	0	3.5b,3.8L		
BJI	IV	14 15 12 26.4	25.73N	103.74E	12	3.9L,4.2b		
NEIC	Less reliable solution.							
BJI	Ms4.2							
ISC	**IV**	**20 17 35 16**±1.6	**27.1N**±.11	**103.1E**±.23	**15**		**4**	**2-9**
BJI	IV	20 17 35 15.6	27.09N	103.16E	15	3.5L		**¶97iv3343**
ISC	Poorly determined							
ISC	**IV**	**22 11 43 52.0**±.71	**23.15N**±.074	**105.28E**±.084	**10**	**3.9b**	**13**	**3-51**
BJI	IV	22 11 43 51.6	23.17N	105.25E	10	4.3L,3.9b		**¶97iv3720**
EIDC	IV	22 11 43 53.2	23.0N	105.2E	0	3.9b,3.8L		
NEIC	IV	22 11 43 55.3	23.11N	105.06E	33	3.6b		
BJI	Ms4.5							
NEIC	Poor solution.							
BJI	**IV**	**22 12 59 58.6**	**25.85N**	**102.80E**	**27**	**2.9L**		**¶97iv3736**
BJI	**IV**	**22 21 30 34.5**	**26.91N**	**100.23E**	**8**	**3.1L**		**¶97iv3831**
BJI	**V**	**02 14 05 27.7**	**23.94N**	**104.90E**	**5**	**3.3L**		**¶97v0280**
BJI	**V**	**07 22 55 04.9**	**27.07N**	**100.40E**	**15**	**2.8L**		**¶97v1153**
BJI	**V**	**08 06 36 04.1**	**27.18N**	**100.26E**	**25**	**3.1L**		**¶97v1193**
BJI	**V**	**08 06 37 51.9**	**27.15N**	**100.28E**	**19**	**3.1L**		**¶97v1194**
BJI	**V**	**14 15 38 26.8**	**23.85N**	**100.08E**	**10**	**3.6L**		**¶97v2473**
BJI	**V**	**21 15 57 07.4**	**26.79N**	**100.12E**	**5**	**3.3L**		**¶97v3577**
ISC	**VI**	**03 22 41 17**±1.6	**26.98N**±.077	**100.6E**±.15	**71**±16	**3.7b**	**14**	**3-119**
EIDC	VI	03 22 41 11.6	27.0N	100.8E	0	3.8b,3.5L		**¶97vi0528**
BJI	VI	03 22 41 13.4	26.89N	100.39E	18	3.6L,3.6s		
NEIC	VI	03 22 41 13.7	27.04N	100.68E	33			
NEIC	Single network solution.							
BJI	**VI**	**04 17 24 41.7**	**26.63N**	**103.27E**	**33**	**3.7L**		**¶97vi0651**
BJI	**VI**	**15 22 45 51.3**	**28.72N**	**99.50E**	**11**	**3.1L**		**¶97vi2365**
BJI	**VI**	**15 22 52 34.5**	**28.74N**	**99.49E**	**8**	**3.0L**		**¶97vi2367**
BJI	**VI**	**17 23 47 28.7**	**27.75N**	**99.61E**	**7**	**3.2L,3.4s**		**¶97vi2704**
BJI	**VI**	**19 16 44 38.6**	**26.35N**	**99.46E**	**5**	**3.1L**		**¶97vi2939**
BJI	**VI**	**27 02 06 11.7**	**27.12N**	**104.46E**	**23**	**3.7L**		**¶97vi4223**
ISC	**VI**	**29 15 19 05**±1.9	**25.2N**±.11	**99.7E**±.23	**15**	3.8s	**5**	**3-20**
BJI	VI	29 15 19 04.1	25.35N	99.59E	15	4.1L		**¶97vi4637**
BJI	**VI**	**29 16 36 17.1**	**25.36N**	**99.13E**	**8**	**3.0L,3.6s**		**¶97vi4642**
BJI	**VI**	**29 21 44 05.5**	**25.11N**	**99.54E**	**13**	**2.9L**		**¶97vi4668**

(319) Bay of Bengal.

ISC	**II**	**15 05 27 26**±1.5	**16.8N**±.40	**93.7E**±.42	**33**	**4.1b**	**6**	**25-143**
EIDC	II	15 05 27 22.1	16.7N	93.5E	0	4.2b		**¶97ii2179**
ISC	**IV**	**10 14 44 36**±5.8	**17.3N**±.78	**87.0E**±.38	**0**	**4.1b**	**5**	**11-89**
EIDC	IV	10 14 44 40.1	17.5N	87.2E	0	4.0b,4.0L		**¶97iv1707**

SEISMIC REGION 27.
SOUTHERN XINJIANG TO GANSU.

(320) Kirgiziya-Xinjiang border region.

ISC	**II**	**08 09 39 03.3**±.64	**40.7N**±.10	**77.5E**±.15	**23**	**3.6b**	**12**	**2-83**
BJI	II	08 09 39 02.5	40.75N	77.49E	23	3.2L		**¶97ii1123**
NEIC	II	08 09 39 04.5	40.70N	77.32E	33	3.5b		
EIDC	II	08 09 39 09.9	40.3N	77.7E	88	3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**16 21 27 10**±1.3	**41.68N**±.083	**79.89E**±.085	**54**±13	**3.9b**	**24**	**3-82**
MOS	II	16 21 27 06.0	41.5N	80.2E	33	4.6b		**¶97ii2427**
NEIC	II	16 21 27 06.2	41.74N	79.82E	22	3.8b		
BJI	II	16 21 27 07.3	41.68N	79.99E	33	4.3L,4.0b		
EIDC	II	16 21 27 08.2	41.8N	79.9E	22	3.9b,4.9L		
ISC	**III**	**09 11 17 16**±1.1	**40.1N**±.17	**77.0E**±.30	**33**	**3.6b**	**6**	**15-83**
EIDC	III	09 11 17 11.8	39.8N	76.4E	0	3.7b,3.1L		**¶97iii1945**
ISC	**III**	**23 11 16 48**±1.3	**40.2N**±.21	**77.4E**±.31	**10**	**3.8b**	**6**	**1-77**
BJI	III	23 11 16 48.5	39.94N	77.53E	10	3.8L		**¶97iii4434**
EIDC	III	23 11 17 00.8	39.3N	78.0E	150	3.3b		
BJI	**IV**	**11 05 53 03.9**	**40.03N**	**77.02E**	**20**	**4.1L**		**¶97iv1811**
BJI	**IV**	**18 10 18 40.9**	**40.14N**	**76.41E**	**30**	**3.4L**		**¶97iv3061**
BJI	**IV**	**26 06 53 18.6**	**40.07N**	**77.08E**	**20**	**4.1L**		**¶97iv4480**
ISC	**V**	**27 07 17 26**±5.8	**40.5N**±.13	**77.9E**±.10	**13**±36	**3.7b**	**16**	**2-82**
EIDC	V	27 07 17 26.9	40.6N	77.7E	0	3.8b,4.5L		**¶97v4530**
MOS	V	27 07 17 28.5	40.4N	78.1E	33	4.0b		
BJI	V	27 07 17 29.7	40.89N	78.11E	13	3.9L,3.7b		
NEIC	V	27 07 17 30.1	40.65N	77.64E	33			
NEIC	Single network solution.							
BJI	**VI**	**07 10 40 05.3**	**40.57N**	**76.26E**	**36**	**3.7L**		**¶97vi1083**

(321) Southern Xinjiang Province.

ISC	**I**	**03 17 52 34.1**±.77	**39.25N**±.048	**76.05E**±.079	**38**±9.2	**3.9b**,4.1s	**40**	**0-83**
BJI	I	03 17 52 35.0	39.15N	75.57E	27	4.2L		**¶97i0410**
NEIC	I	03 17 52 35.8	39.48N	75.67E	33	4.4b		
EIDC	I	03 17 52 41.0	39.4N	75.5E	63	3.6b		
NEIC	Less reliable solution.							
ISC	**I**	**05 04 45 21**±3.8	**41.57N**±.089	**80.3E**±.24	**2**±25	**3.7b**	**11**	**4-128**
EIDC	I	05 04 45 16.8	40.7N	80.3E	0	3.7b,4.2L		**¶97i0617**
NEIC	I	05 04 45 16.9	41.01N	80.71E	10			
BJI	I	05 04 45 27.7	41.69N	80.43E	10	3.5L		
NEIC	Poor solution.							
ISC	**I**	**12 10 14 02.9**±.54	**39.19N**±.069	**75.1E**±.16	**10**	**3.8b**	**14**	**6-78**
NEIC	I	12 10 14 02.2	39.16N	75.19E	10			**¶97i1662**
EIDC	I	12 10 14 03.5	39.1N	74.8E	0	3.8b,4.1L		
NEIC	Single network solution.							
ISC	**I**	**14 19 17 52**±1.3	**40.58N**±.058	**78.70E**±.064	**39**±15	**4.0b**	**63**	**2-82**
NEIC	I	14 19 17 50.5	40.81N	78.79E	23	4.3b		**¶97i2044**
EIDC	I	14 19 17 52.7	40.8N	78.8E	21	3.8b,4.3L		
BJI	I	14 19 17 53.1	40.78N	78.84E	24	4.4L,3.8b		
ISC	**I**	**21 01 47 12**±1.4	**39.37N**±.029	**77.00E**±.030	**8**±8.8	**4.8b,5.9s**	**287**	**1-144**
BJI	I	21 01 47 14.5	39.38N	76.94E	19	5.0b,6.2s		**¶97i3116**
MOS	I	21 01 47 15.5	39.4N	77.0E	33	5.1b		
NEIC	I	21 01 47 15.8	39.52N	76.93E	33	4.9b		
EIDC	I	21 01 47 20.6	39.5N	76.9E	65	4.2b,5.7s		
ISC	**I**	**21 01 48 31**±1.5	**39.52N**±.056	**76.96E**±.053	**37**±14	**5.1b,5.9s**	**111**	**1-142**
EIDC	I	21 01 48 27.2	39.5N	76.9E	0	5.0b		**¶97i3117**
HRVD	I	21 01 48 28.6±.2	39.51N±.03	77.26E±.03	33			
MOS	I	21 01 48 29.1	39.6N	77.5E	33	5.5b		
NEIC	I	21 01 48 30.1	39.47N	77.00E	33	5.3b,5.8s		
BJI	I	21 01 48 30.8	40.07N	77.04E	28	5.5b,6.3s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c70; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.05±.11; $M_{\theta\theta}$−7.45±.17; $M_{\phi\phi}$7.50±.14; $M_{r\theta}$1.71±.30; $M_{r\phi}$1.11±.39; $M_{\theta\phi}$−0.04±.15. Principal Axes: T 7.66,Plg8°,Azm271°; N 0.17, Plg75°,Azm34°; P −7.83,Plg13°,Azm179°. Best double couple: $M_0$7.7×10^{17}Nm, NP1: ϕ_S315°,δ75°,λ−177°. NP2:ϕ_S224°,δ87°,λ−15°.							
NEIC	Mw5.9(HRV). Less reliable solution.							
NEIC	At least 12 people killed, 40 injured and 2,500 families homeless; about 14,000 homes destroyed, 17,000 additional homes damaged and 3,360 head of livestock killed in the Jiashi area. Felt at Aksu, Akto, Artux, Kashi and Wuqia.							
ISC	**I**	**21 02 41 53.7**±.40	**39.52N**±.048	**76.94E**±.091	**43**±2.2*	**3.7b**	**33**	**7-82**
NEIC	I	21 02 41 55.1	39.71N	76.49E	33			**¶97i3127**
EIDC	I	21 02 41 59.2	39.8N	76.4E	40	3.6b,4.7L		
BJI	I	21 02 42 02.1	39.83N	78.21E	5	4.5L,4.1b		
NEIC	Less reliable solution.							
ISC	**I**	**21 03 57 18**±1.0	**39.42N**±.086	**77.1E**±.12	**12**		**13**	**1-18**
BJI	I	21 03 57 18.8	39.29N	77.14E	12	3.9L,3.9b		**¶97i3132**
ISC	**I**	**21 09 44 33**±1.2	**39.6N**±.10	**77.2E**±.11	**12**		**9**	**1-17**
BJI	I	21 09 44 35.8	39.68N	77.18E	12	4.4L,4.0b		**¶97i3164**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**22 09 59 03.1**±.54	**39.61N**±.049	**77.30E**±.081	**33**±2.2*	**3.7b**	**28**	**1-82**
NEIC	I	22 09 59 06.2	39.76N	76.60E	33	3.3b		¶97i3308
BJI	I	22 09 59 06.5	39.86N	76.80E	33	4.4L,4.0b		
EIDC	I	22 09 59 07.7	39.8N	76.8E	33	3.6b,4.7L		
NEIC	Less reliable solution.							
ISC	**I**	**22 10 15 49.2**±.83	**39.72N**±.055	**75.89E**±.097	**59**±10	**3.8b**	**28**	**0-83**
NEIC	I	22 10 15 47.8	39.91N	75.64E	33	3.4b		¶97i3312
BJI	I	22 10 15 50.8	39.79N	75.58E	25	3.9L		
EIDC	I	22 10 15 54.7	39.7N	75.3E	91	3.6b		
NEIC	Less reliable solution.							
ISC	**I**	**22 17 42 50**±1.3	**39.2N**±.12	**76.8E**±.17	**33**	3.2b	**13**	**10-78**
								¶97i3357
ISC	**I**	**23 01 44 29**±1.1	**39.52N**±.096	**77.1E**±.12	**18**		**14**	**1-18**
BJI	I	23 01 44 30.0	39.55N	77.06E	18	3.9L		¶97i3419
ISC	**I**	**23 10 56 28.5**±.77	**39.42N**±.037	**77.28E**±.055	**38**±9.1	**4.0b**	**59**	**1-82**
MOS	I	23 10 56 28.6	39.5N	77.6E	33	4.5b		¶97i3488
NEIC	I	23 10 56 28.7	39.60N	77.16E	33	4.4b		
BJI	I	23 10 56 29.0	39.47N	77.09E	29	4.9L,4.3b		
EIDC	I	23 10 56 34.4	39.5N	77.1E	70	3.8b		
BJI	Ms4.4							
ISC	**I**	**24 01 36 12.3**±.81	**39.37N**±.045	**77.01E**±.067	**42**±9.7	**3.9b**	**50**	**1-82**
NEIC	I	24 01 36 12.7	39.55N	76.83E	33	4.4b		¶97i3579
MOS	I	24 01 36 13.7	39.5N	76.7E	33	4.6b		
BJI	I	24 01 36 14.7	39.64N	76.75E	29	3.6L,3.9b		
EIDC	I	24 01 36 15.8	39.5N	76.9E	50	3.7b		
ISC	**I**	**24 09 08 06.2**±.99	**39.36N**±.090	**77.1E**±.11	**3**		**12**	**1-26**
BJI	I	24 09 08 05.6	38.94N	77.35E	3	3.9L		¶97i3625
ISC	**I**	**24 12 43 01.3**±.85	**39.17N**±.044	**77.07E**±.065	**85**±11	**3.7b**	**52**	**4-91**
MOS	I	24 12 43 00.5	39.3N	77.0E	63	4.0b		¶97i3651
NEIC	I	24 12 43 03.6	39.09N	77.00E	110	3.4b		
BJI	I	24 12 43 04.7	39.94N	76.95E	98	4.4b		
EIDC	I	24 12 43 05.7	39.1N	76.9E	113	3.5b		
NEIC	Less reliable solution.							
ISC	**I**	**24 23 58 43.6**±.31	**39.37N**±.031	**77.14E**±.057	**23**	**3.8b,4.0s**	**55**	**1-80**
BJI	I	24 23 58 44.2	39.45N	77.11E	23	4.4b,4.2s		¶97i3707
NEIC	I	24 23 58 45.3	39.58N	76.80E	33	3.6b		
MOS	I	24 23 58 47.3	39.4N	77.6E	33	4.1b		
EIDC	I	24 23 58 49.9	39.6N	76.7E	53	3.5b,4.1L		
NEIC	Less reliable solution.							
ISC	**I**	**25 03 09 17**±1.1	**38.78N**±.030	**75.73E**±.045	**25**±8.8	**4.7b,4.2s**	**150**	**1-112**
BJI	I	25 03 09 17.4	38.85N	75.62E	16	4.6b,4.6s		¶97i3727
NEIC	I	25 03 09 17.5	38.71N	75.60E	33	4.9b		
MOS	I	25 03 09 18.2	38.9N	75.8E	33	5.0b		
EIDC	I	25 03 09 23.4	38.8N	75.6E	70	4.2b		
ISC	**I**	**26 02 04 00**±2.5	**38.9N**±.35	**75.6E**±.49	**33**	**3.6b**	**5**	**16-79**
EIDC	I	26 02 03 56.3	38.6N	75.7E	0	3.7b,3.8L		¶97i3872
NEIC	I	26 02 04 00.0	38.90N	75.68E	33	3.3b		
NEIC	Poor solution.							
ISC	**I**	**29 08 20 23.6**±.42	**39.12N**±.049	**77.06E**±.084	**87**	**4.0b**	**63**	**4-80**
HRVD	I	29 08 20 17.9±4.1	38.97N±.35	77.42E±.36	33			¶97i4322
NEIC	I	29 08 20 18.4	39.31N	77.41E	33	4.5b,4.7s		
MOS	I	29 08 20 19.4	39.3N	76.9E	33	4.6b,4.7s		
EIDC	I	29 08 20 24.2	39.1N	77.2E	87	3.7b		
BJI	I	29 08 20 26.0	39.64N	77.63E	9	5.1L,4.7b		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s6,c7; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.40±.61; $M_{\theta\theta}$−5.58±1.06; $M_{\phi\phi}$4.18±1.05; $M_{r\theta}$−4.24±2.65; $M_{r\phi}$2.80±2.57; $M_{\theta\phi}$−0.83±1.80. Principal Axes: T 6.71,Plg37°,Azm251°; N 0.89,Plg42°,Azm118°; P −7.60,Plg26°,Azm3°. Best double couple: $M_0$7.2×10^{16}Nm, NP1: ϕ_S42°,δ43°,λ10°. NP2:ϕ_S304°,δ83°,λ132°.							
NEIC	Mw5.2(HRV), Less reliable solution.							
BJI	Ms4.9							
ISC	**I**	**29 18 27 43.1**±.99	**39.6N**±.13	**77.0E**±.12	**20**		**11**	**1-26**
BJI	I	29 18 27 42.6	39.80N	77.00E	20	4.1L,3.7b		¶97i4386
BJI	**I**	**29 22 42 04.1**	**37.46N**	**77.59E**	**18**	**3.4L**		¶97i4410
BJI	**I**	**30 06 59 37.9**	**39.79N**	**76.90E**	**20**	**3.6L**		¶97i4447
ISC	**I**	**30 21 57 42.8**±.79	**39.59N**±.044	**76.93E**±.073	**41**±9.2	**4.0b**	**39**	**1-82**
BJI	I	30 21 57 43.8	39.67N	76.80E	80	3.8b		¶97i4550
MOS	I	30 21 57 44.2	39.5N	76.9E	57	4.5b		
NEIC	I	30 21 57 46.4	39.52N	76.94E	80	4.2b		
EIDC	I	30 21 57 48.0	39.5N	76.9E	78	3.8b		
ISC	**II**	**04 01 54 58.1**±.93	**39.45N**±.068	**76.3E**±.13	**53**±11	**3.5b**	**17**	**0-78**
BJI	II	04 01 54 56.0	40.43N	76.10E	10			¶97ii0443
EIDC	II	04 01 54 57.9	39.7N	75.5E	0	3.5b,4.6L		
NEIC	II	04 01 54 58.2	39.61N	75.97E	33			
NEIC	Single network solution.							
ISC	**II**	**04 06 35 17**±1.4	**39.6N**±.12	**77.0E**±.13	**45**±15	**3.8b**	**14**	**1-82**
BJI	II	04 06 35 13.3	39.18N	77.34E	13	3.6L		¶97ii0478
NEIC	II	04 06 35 15.6	39.62N	77.10E	33	3.7b		
EIDC	II	04 06 35 22.0	39.5N	77.0E	77	3.5b		
NEIC	Less reliable solution.							
BJI	**II**	**10 06 44 54.8**	**39.47N**	**76.96E**	**29**	**3.4L**		¶97ii1424
ISC	**II**	**11 20 21 02.2**±.76	**39.46N**±.039	**76.88E**±.038	**46**±7.8	**4.6b,4.6s**	**141**	**1-98**
BJI	II	11 20 20 59.9	39.61N	77.02E	18	4.6b,4.9s		¶97ii1669
NEIC	II	11 20 21 00.6	39.50N	76.94E	33	4.7b,4.5s		
MOS	II	11 20 21 01.1	39.5N	77.0E	33	4.9b,4.5s		
EIDC	II	11 20 21 06.4	39.4N	76.8E	72	4.1b		
NEIC	Felt in Jiashi County.							
BJI	**II**	**13 02 48 02.6**	**39.23N**	**77.02E**	**29**	**4.2b**		¶97ii1863
ISC	**II**	**15 05 26 10.8**±.74	**39.62N**±.039	**76.98E**±.047	**42**±7.6	**4.5b,4.1s**	**104**	**1-142**
NEIC	II	15 05 26 09.5	39.59N	76.94E	33	4.8b		¶97ii2178
BJI	II	15 05 26 09.7	39.63N	77.03E	22	4.5L,4.6b		
MOS	II	15 05 26 10.1	39.6N	77.1E	33	5.0b		
EIDC	II	15 05 26 15.2	39.5N	76.9E	71	4.1b,3.8s		
BJI	Ms4.3							
BJI	**II**	**15 08 35 14.0**	**39.44N**	**77.02E**	**14**	**3.5L**		¶97ii2199
ISC	**II**	**15 22 33 43**±1.2	**39.8N**±.14	**76.6E**±.33	**33**	**3.7b**	**5**	**7-83**
EIDC	II	15 22 33 39.2	39.9N	76.8E	0	3.7b,4.6L		¶97ii2302
ISC	**II**	**17 18 00 14.0**±.69	**39.36N**±.040	**76.70E**±.069	**67**±7.6	**4.1b**	**57**	**1-82**
BJI	II	17 18 00 10.5	39.45N	76.49E	54	4.6b		¶97ii2522
MOS	II	17 18 00 13.8	39.4N	76.8E	68	4.8b		
NEIC	II	17 18 00 13.9	39.40N	76.74E	67	4.6b		
EIDC	II	17 18 00 18.9	39.3N	76.6E	99	3.7b		
ISC	**II**	**18 04 21 40**±2.9	**40.8N**±.23	**82.2E**±.86	**0**	**3.8b**	**4**	**27-76**
EIDC	II	18 04 21 43.2	40.8N	82.7E	0	3.8b		¶97ii2599
ISC	Poorly determined							
BJI	**II**	**18 18 58 12.3**	**39.49N**	**76.87E**	**18**	**3.7L**		¶97ii2681
ISC	**II**	**21 14 29 14**±1.5	**39.57N**±.045	**76.95E**±.064	**25**±13	**4.2b,4.4s**	**59**	**1-82**
BJI	II	21 14 29 13.8	39.63N	77.08E	18	4.9L,4.6b		¶97ii3085
NEIC	II	21 14 29 15.1	39.49N	77.35E	59	4.3b		
MOS	II	21 14 29 15.2	39.6N	77.2E	33	4.3s		
EIDC	II	21 14 29 18.6	39.7N	76.6E	49	3.7b,3.9L		
BJI	Ms4.5							
NEIC	Less reliable solution.							
NEIC	Felt strongly in the epicentral area.							
ISC	**II**	**23 11 53 52**±2.4	**39.8N**±.12	**76.7E**±.26	**45**±25	**3.7b**	**8**	**7-83**
NEIC	II	23 11 53 50.4	39.78N	76.75E	33	3.5b		¶97ii3325
EIDC	II	23 11 53 56.3	39.7N	76.7E	73	3.4b		
NEIC	Less reliable solution.							
BJI	**II**	**24 03 00 12.6**	**39.59N**	**77.07E**	**14**	**3.7L**		¶97ii3414
ISC	**II**	**25 19 40 32.0**±.96	**39.56N**±.084	**76.6E**±.12	**54**±10	**3.8b**	**17**	**1-79**
BJI	II	25 19 40 25.3	38.80N	76.85E	53	3.7L		¶97ii3679
MOS	II	25 19 40 30.0	39.5N	76.9E	33	4.4b		
NEIC	II	25 19 40 30.2	39.64N	76.51E	33	3.7b		
EIDC	II	25 19 40 38.5	39.4N	76.2E	93	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**26 15 09 11.9**±.84	**39.55N**±.051	**77.01E**±.084	**45**±9.6	**3.9b**	**32**	**1-82**
EIDC	II	26 15 09 10.4	39.7N	77.1E	17	3.9b		¶97ii3811
NEIC	II	26 15 09 10.7	39.60N	76.97E	33	4.4b		
BJI	II	26 15 09 11.6	39.50N	76.97E	28	4.5L,4.7b		
MOS	II	26 15 09 12.6	39.4N	77.3E	33	4.5b		
ISC	**II**	**27 12 28 10**±1.3	**39.8N**±.16	**76.5E**±.40	**33**	**3.8b**	**4**	**7-83**
EIDC	II	27 12 28 06.0	39.9N	76.6E	0	3.8b,4.6L		¶97ii3955
ISC	Poorly determined							
ISC	**III**	**01 04 25 30.8**±.84	**39.48N**±.044	**76.90E**±.059	**72**±9.1	**4.2b**	**71**	**1-93**
NEIC	III	01 04 25 26.1	39.57N	77.05E	33	4.5b		¶97iii0044
MOS	III	01 04 25 26.7	39.4N	76.9E	33	4.7b		
EIDC	III	01 04 25 26.7	39.6N	77.2E	21	4.1b,3.5L		
BJI	III	01 04 25 27.7	39.53N	76.83E	26	4.4b,4.4s		
ISC	**III**	**01 06 04 17.0**±.66	**39.43N**±.029	**76.83E**±.027	**44**±6.3	**5.0b,5.4s**	**391**	**1-155**
NEIC	III	01 06 04 14.1	39.42N	76.84E	22	5.2b,5.5s		¶97iii0058
BJI	III	01 06 04 14.9	39.38N	76.84E	24	5.1b,5.8s		
MOS	III	01 06 04 16.2	39.4N	76.9E	33	5.6b,5.5s		
HRVD	III	01 06 04 19.4±.4	39.40N±.05	76.89E±.06	22			
EIDC	III	01 06 04 21.7	39.4N	76.8E	78	4.5b,5.3s		
NEIC	Mw5.6(HRV)							
NEIC	Two people killed, six injured, 4,000 houses destroyed and 738 cattle killed in Jiashi County. Also felt at Kashi.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c48; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.97±.10; $M_{\theta\theta}$0.43±.16; $M_{\phi\phi}$0.55±.14; $M_{r\theta}$−0.40±.32; $M_{r\phi}$0.19±.28; $M_{\theta\phi}$3.30±.12. Principal Axes: T 3.79,Plg2°,Azm135°; N −0.89, Plg78°,Azm233°; P −2.90,Plg12°,Azm44°. Best double couple: $M_0$3.3×10^{17}Nm, NP1: ϕ_S180°,δ80°,λ−173°. NP2:ϕ_S89°,δ83°,λ−10°.							
ISC	**III**	**01 06 15 58.6**±.79	**39.48N**±.081	**77.0E**±.20	**33**	**3.7b**	**14**	**7-82**
EIDC	III	01 06 15 55.9	39.6N	77.2E	0	3.8b		¶97iii0060
NEIC	III	01 06 15 58.6	39.50N	77.08E	33			
NEIC	Single network solution.							
ISC	**III**	**01 09 35 12.6**±.91	**39.60N**±.055	**76.66E**±.080	**50**±10	**4.0b**,4.0s	**44**	**1-83**
BJI	III	01 09 35 10.9	39.59N	76.92E	34	4.4L,4.3b		¶97iii0085
NEIC	III	01 09 35 11.1	39.67N	76.65E	33	4.4b		
MOS	III	01 09 35 11.5	39.5N	77.0E	33	4.7b		
EIDC	III	01 09 35 17.2	39.5N	76.6E	80	3.7b		
BJI	Ms4.3							
NEIC	Less reliable solution.							
ISC	**III**	**01 17 52 09.5**±.81	**39.41N**±.047	**76.88E**±.081	**56**±9.6	**3.8b**,4.3s	**41**	**1-82**
NEIC	III	01 17 52 06.9	39.34N	76.79E	33	4.4b		¶97iii0153
BJI	III	01 17 52 07.1	39.41N	76.93E	34	4.5b,4.4s		
MOS	III	01 17 52 08.8	39.3N	77.5E	33	4.6b		
EIDC	III	01 17 52 15.2	39.3N	76.9E	102	3.6b		
EIDC	**III**	**01 22 46 52.2**	**37.0N**	**80.2E**	**0**	**3.6b**,3.9L		**17-80**
								¶97iii0205
ISC	**III**	**02 18 38 48.2**±.78	**39.88N**±.047	**75.95E**±.081	**54**±9.2	**4.0b**	**33**	**0-83**
NEIC	III	02 18 38 46.4	40.00N	76.04E	33	4.3b		¶97iii0379
BJI	III	02 18 38 46.8	39.92N	75.85E	30	4.3L,4.2b		
MOS	III	02 18 38 47.2	39.9N	76.3E	33	4.5b		
EIDC	III	02 18 38 51.5	39.9N	75.8E	79	3.8b		
NEIC	Less reliable solution.							
EIDC	**III**	**04 15 04 01.8**	**38.5N**	**75.7E**	**0**	**3.8b**,4.4L		**5-79**
								¶97iii0872
ISC	**III**	**05 12 57 33.7**±.69	**39.43N**±.040	**75.40E**±.060	**60**±7.7	**4.2b**,4.1s	**56**	**0-83**
MOS	III	05 12 57 30.5	39.2N	75.4E	33	4.7b		¶97iii1062
BJI	III	05 12 57 31.1	39.52N	75.41E	25	4.4L,4.4b		
NEIC	III	05 12 57 34.1	39.43N	75.32E	62	4.6b		
EIDC	III	05 12 57 38.0	39.4N	75.3E	82	3.9b		
ISC	**III**	**05 19 48 06**±1.5	**39.7N**±.13	**76.5E**±.30	**56**±15	**3.7b**	**7**	**0-83**
NEIC	III	05 19 48 03.8	39.85N	76.16E	33			¶97iii1122
EIDC	III	05 19 48 09.3	39.6N	76.4E	71	3.4b,4.2L		
NEIC	Single network solution.							
ISC	**III**	**05 21 25 02**±3.0	**39.8N**±.48	**75.9E**±.65	**33**	**3.6b**	**5**	**15-78**
EIDC	III	05 21 24 56.1	39.2N	76.3E	0	3.6b,3.6L		¶97iii1130
ISC	**III**	**10 13 24 06**±1.2	**39.6N**±.10	**77.0E**±.10	**44**±13	**3.8b**	**13**	**1-82**
BJI	III	10 13 24 05.4	39.64N	76.94E	39	4.4L,4.2b		¶97iii2216
NEIC	III	10 13 24 06.5	39.60N	77.10E	50	3.9b		
EIDC	III	10 13 24 10.6	39.5N	77.1E	69	3.5b,4.2L		
NEIC	Less reliable solution.							
BJI	**III**	**13 21 22 53.4**	**39.29N**	**77.11E**	**15**	**3.4L**		¶97iii2770
BJI	**III**	**14 18 21 23.7**	**39.41N**	**76.98E**	**25**	**3.4L**		¶97iii2927
BJI	**III**	**15 05 00 29.4**	**39.64N**	**76.93E**	**12**	**4.2L,4.5b**		¶97iii3004
BJI	**III**	**15 16 45 54.6**	**39.56N**	**77.07E**	**16**	**3.4L**		¶97iii3074
BJI	**III**	**23 16 07 59.7**	**38.73N**	**76.90E**	**10**	**3.9L,4.1b**		¶97iii4460
ISC	**III**	**31 19 12 52.9**±.90	**39.44N**±.053	**76.71E**±.075	**59**±10	**3.8b,4.1s**	**43**	**1-82**
NEIC	III	31 19 12 49.2	39.65N	76.65E	33	4.6b,4.2s		¶97iii5917
BJI	III	31 19 12 50.5	39.72N	76.88E	26	4.6b,4.5s		
MOS	III	31 19 12 50.7	39.5N	76.9E	33	4.6b,4.2s		
EIDC	III	31 19 12 53.6	39.7N	76.6E	57	3.5b,3.8s		
NEIC	Less reliable solution.							
ISC	**IV**	**02 18 42 09.8**±.72	**39.41N**±.043	**76.74E**±.067	**57**±7.3	**4.2b**,4.0s	**74**	**1-82**
MOS	IV	02 18 42 06.8	39.2N	76.7E	33	4.7b		¶97iv0288
NEIC	IV	02 18 42 07.4	39.47N	76.70E	33	4.5b		
BJI	IV	02 18 42 08.5	39.65N	76.88E	27	4.7L,4.5b		
EIDC	IV	02 18 42 12.8	39.3N	76.8E	69	3.6b		
BJI	Ms4.2							
ISC	**IV**	**02 22 49 47.7**±.85	**39.5N**±.11	**76.7E**±.13	**33**	**3.5b**	**10**	**1-78**
BJI	IV	02 22 49 47.3	39.40N	76.93E	33	3.8L,3.7b		¶97iv0344
NEIC	IV	02 22 49 49.5	39.55N	76.29E	33			
EIDC	IV	02 22 49 53.9	39.4N	76.2E	60	3.4b,4.1L		
NEIC	Less reliable solution.							
ISC	**IV**	**03 20 41 45.4**±.79	**39.47N**±.051	**76.78E**±.075	**54**±9.0	**4.0b**	**42**	**1-82**
BJI	IV	03 20 41 43.3	39.58N	76.84E	33	4.0L,3.7b		¶97iv0474
MOS	IV	03 20 41 43.7	39.5N	76.8E	33	4.5b		
NEIC	IV	03 20 41 43.7	39.53N	76.66E	33	4.4b		

EIDC IV 03 20 41 52.0 39.3N 76.8E 108 3.6b
NEIC Less reliable solution.
ISC IV 04 01 03 34±1.7 **39.6N**±.15 **76.4E**±.39 **56**±16 **4.0b** **9 0-78**
BJI IV 04 01 03 31.4 39.81N 76.72E 33 3.6L **¶97iv0516**
NEIC IV 04 01 03 32.3 39.65N 76.32E 33 3.8b
EIDC IV 04 01 03 38.6 39.4N 76.4E 99 3.7b,4.4L
NEIC Poor solution.
ISC IV 05 23 41 32±1.2 **40.1N**±.19 **85.4E**±.46 **33** **3.6b** **5 14-48**
EIDC IV 05 23 41 28.6 39.7N 84.6E 0 3.7b,4.0L **¶97iv0880**
ISC IV 05 23 46 19±1.0 **39.54N**±.026 **76.88E**±.022 **23**±7.6 **5.3b,5.9s** **519 1-155**
BJI IV 05 23 46 19.1 39.60N 76.82E 32 5.4b,6.3s **¶97iv0882**
NEIC IV 05 23 46 19.5 39.51N 76.87E 33 5.4b,5.9s
MOS IV 05 23 46 20.3 39.6N 76.9E 33 6.0b,6.1s
HRVD IV 05 23 46 22.6±.2 39.41N±.03 76.93E±.02 33
EIDC IV 05 23 46 24.0 39.5N 76.9E 67 5.0b,5.3s
NEIC Mw5.9(GS), Mw5.9(HRV)
NEIC At least 23 people injured, 3,000 buildings damaged or destroyed and 100 head of livestock killed in Jiashi County by this earthquake and the event on April 6 at 04:36 UTC.
NEIC Moment tensor solution: s24, scale 10^{17}Nm; M_{rr}−1.35; $M_{\theta\theta}$−4.11; $M_{\phi\phi}$5.45; $M_{r\theta}$−2.82; $M_{r\phi}$−0.36; $M_{\theta\phi}$5.43. Depth 14km; Principal axes: T 8.15,Plg9°,Azm116°; N −0.62,Plg66°, Azm228°; P −7.53,Plg22°,Azm22°. Best double couple: $M_0$7.8×10^{17}Nm; NP1:ϕ_S161°,δ68°, λ−171°. NP2:ϕ_S67°,δ81°,λ−22°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c87; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.12±.12; $M_{\theta\theta}$−2.95±.18; $M_{\phi\phi}$6.07±.15; $M_{r\theta}$−1.22±.30; $M_{r\phi}$−1.65±.32; $M_{\theta\phi}$6.05±.14. Principal Axes: T 9.43,Plg9°,Azm117°; N −3.40, Plg78°,Azm257°; P −6.03,Plg7°,Azm26°. Best double couple: $M_0$7.7×10^{17}Nm, NP1:ϕ_S161°, δ78°,λ179°. NP2:ϕ_S251°,δ89°,λ12°.
ISC IV 05 23 55 27.5±.67 **39.4N**±.10 **76.7E**±.19 **33** **3.9b** **10 6-82**
EIDC IV 05 23 55 24.9 39.5N 76.8E 0 4.0b,5.0L **¶97iv0885**
NEIC IV 05 23 55 27.4 39.40N 76.68E 33
NEIC Single network solution.
ISC IV 06 00 06 32.5±.94 **39.54N**±.056 **76.86E**±.066 **46**±10 **4.1b** **47 1-155**
BJI IV 06 00 06 29.5 39.31N 76.88E 21 4.5L,4.4b **¶97iv0886**
NEIC IV 06 00 06 30.6 39.40N 76.77E 33 4.4b
MOS IV 06 00 06 30.8 39.5N 77.1E 33 4.6b
EIDC IV 06 00 06 38.1 39.5N 76.7E 83 3.8b
ISC IV 06 01 23 25±3.2 **39.7N**±.18 **76.8E**±.36 **56**±31 **3.5b** **8 1-83**
NEIC IV 06 01 23 22.3 39.81N 76.95E 33 **¶97iv0897**
BJI IV 06 01 23 23.4 39.57N 77.05E 33 3.7L
EIDC IV 06 01 23 28.2 39.7N 76.7E 75 3.2b
NEIC Single network solution.
ISC IV 06 02 20 32.4±.81 **39.37N**±.042 **76.75E**±.056 **67**±8.9 **4.1b** **68 1-93**
MOS IV 06 02 20 27.1 39.1N 76.8E 33 4.6b,4.1s **¶97iv0910**
BJI IV 06 02 20 27.4 39.29N 76.86E 23 4.4L,4.4b
NEIC IV 06 02 20 28.9 39.40N 76.72E 33 4.5b,4.1s
EIDC IV 06 02 20 36.3 39.3N 76.8E 88 3.8b,4.2s
BJI Ms4.6
BJI IV 06 02 33 41.8 **39.45N** **76.92E** **20** **3.7L** **¶97iv0912**
BJI IV 06 04 34 08.5 **39.54N** **76.92E** **18** **3.6L** **¶97iv0924**
ISC IV 06 04 36 35±1.3 **39.54N**±.025 **77.00E**±.021 **31**±9.3 **5.4b,5.9s** **604 1-155**
BJI IV 06 04 36 33.3 39.44N 77.02E 20 5.3b,6.2s **¶97iv0925**
NEIC IV 06 04 36 35.2 39.54N 77.00E 33 5.6b,5.8s
MOS IV 06 04 36 35.3 39.5N 76.9E 33 6.1b,6.2s
HRVD IV 06 04 36 38.4±.2 39.52N±.03 77.03E±.03 15
EIDC IV 06 04 36 39.5 39.5N 77.0E 57 5.0b,5.7s
NEIC Mw6.0(HRV), Me5.3(GS)
NEIC Radiated energy from the P−wave first−motion solution: 1.7±0.5×10^{12}Nm/9
NEIC Mw 5.8 (GS). Injuries and damage for this earthquake are included in the comment for the event on April 5 at 23:46 UTC.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ35°,λ−45°. NP2:ϕ_S54°,δ66°,λ−116°. Principal axes: T Plg17°,Azm163°; P Plg60°,Azm285°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s29, scale 10^{17}Nm; M_{rr}−4.93; $M_{\theta\theta}$−0.26; $M_{\phi\phi}$5.19; $M_{r\theta}$−0.62; $M_{r\phi}$−3.07; $M_{\theta\phi}$2.04. Depth 8km; Principal axes: T 6.70,Plg15°,Azm108°; N −0.92,Plg4°, Azm17°; P −5.78,Plg74°,Azm272°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S203°,δ30°, λ−82°. NP2:ϕ_S14°,δ60°,λ−95°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s35,c67; Half duration: 2s3. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.08±.19; $M_{\theta\theta}$2.09±.24; $M_{\phi\phi}$3.99±.19; $M_{r\theta}$1.12±.74; $M_{r\phi}$−5.95±.67; $M_{\theta\phi}$6.73±.21. Principal Axes: T 10.8,Plg14°,Azm126°; N −0.5, Plg34°,Azm27°; P −10.3,Plg53°,Azm235°. Best double couple: $M_0$1.1×10^{18}Nm, NP1: ϕ_S253°,δ43°,λ−36°. NP2:ϕ_S10°,δ67°,λ−127°.
ISC IV 06 04 43 49±2.2 **39.6N**±.13 **76.8E**±.26 **61**±22 **4.3b** **14 1-82**
EIDC IV 06 04 43 43.2 39.7N 77.1E 0 4.4b,5.3L **¶97iv0926**
BJI IV 06 04 43 45.2 39.99N 77.24E 20 3.7L
NEIC IV 06 04 43 46.6 39.67N 76.94E 33
NEIC Less reliable solution.
ISC IV 06 05 09 32.7±.74 **39.36N**±.039 **76.79E**±.056 **65**±7.8 **4.2b** **78 1-83**
BJI IV 06 05 09 28.5 39.37N 76.90E 20 4.7L,4.7b **¶97iv0933**
NEIC IV 06 05 09 29.0 39.28N 76.70E 33 4.4b
MOS IV 06 05 09 29.2 39.3N 76.8E 33 4.7b
EIDC IV 06 05 09 38.0 39.2N 76.8E 105 3.9b
BJI Ms5.2
ISC IV 06 05 25 11±1.6 **39.4N**±.10 **77.2E**±.14 **43**±16 **3.7b** **13 1-82**
BJI IV 06 05 25 05.5 39.05N 77.15E 15 3.8L **¶97iv0935**
NEIC IV 06 05 25 09.9 39.43N 77.26E 33
EIDC IV 06 05 25 16.8 39.3N 77.2E 83 3.5b
NEIC Less reliable solution.
ISC IV 06 05 35 50±1.1 **39.56N**±.085 **76.6E**±.13 **55**±12 **3.5b** **14 0-83**
NEIC IV 06 05 35 47.4 39.69N 76.73E 33 **¶97iv0937**
BJI IV 06 05 35 47.9 39.56N 76.85E 26 3.6L
EIDC IV 06 05 35 55.9 39.6N 76.3E 94 3.3b
NEIC Less reliable solution.
ISC IV 06 05 44 35±1.4 **39.6N**±.11 **77.0E**±.13 **34**±16 **3.6b** **11 1-82**
NEIC IV 06 05 44 35.2 39.62N 77.04E 33 **¶97iv0938**
BJI IV 06 05 44 36.4 39.48N 76.98E 29 3.7L
EIDC IV 06 05 44 40.4 39.5N 77.0E 66 3.4b,4.3L
NEIC Single network solution.
ISC IV 06 06 11 05±1.2 **39.0N**±.16 **76.7E**±.33 **33** **3.6b** **6 6-82**
EIDC IV 06 06 11 01.0 39.2N 77.0E 0 3.7b,4.0L **¶97iv0943**
ISC IV 06 06 24 18±1.3 **39.58N**±.080 **76.9E**±.12 **56**±14 **3.4b** **15 1-82**
NEIC IV 06 06 24 15.7 39.69N 77.16E 33 **¶97iv0948**
BJI IV 06 06 24 17.0 39.48N 76.96E 28 3.4L,3.7b
EIDC IV 06 06 24 23.1 39.4N 76.9E 97 3.2b
NEIC Less reliable solution.
ISC IV 06 06 33 44±1.9 **37.0N**±.22 **76.5E**±.44 **33** **3.8b** **5 4-80**
EIDC IV 06 06 33 41.0 37.1N 76.5E 0 3.8b,3.7L **¶97iv0950**
ISC IV 06 06 57 59±1.0 **39.59N**±.063 **76.84E**±.074 **37**±12 **3.9b**,3.8s **33 1-82**
BJI IV 06 06 57 57.6 39.39N 76.91E 23 4.3L,4.2b **¶97iv0956**
NEIC IV 06 06 57 58.1 39.56N 76.88E 33 4.2b
MOS IV 06 06 57 58.6 39.5N 76.9E 33 4.6b
EIDC IV 06 06 58 03.4 39.5N 76.9E 69 3.7b
BJI Ms4.2
ISC IV 06 07 49 58±1.2 **39.6N**±.16 **75.9E**±.30 **33** **3.5b** **7 6-83**
NEIC IV 06 07 49 56.9 39.45N 75.93E 33 **¶97iv0963**
EIDC IV 06 07 50 04.6 39.6N 75.9E 78 3.3b,4.2L
NEIC Poor solution.
ISC IV 06 09 42 42±1.6 **39.68N**±.061 **77.03E**±.086 **22**±13 **3.7b,2.8s** **27 1-82**
BJI IV 06 09 42 42.8 39.60N 77.06E 29 3.9L **¶97iv0973**
NEIC IV 06 09 42 43.2 39.68N 76.93E 33
MOS IV 06 09 42 43.8 39.5N 77.3E 33 4.3b
EIDC IV 06 09 42 47.6 39.6N 76.8E 58 3.6b,2.8s
NEIC Less reliable solution.
ISC IV 06 11 01 59.8±.78 **39.42N**±.046 **76.82E**±.060 **56**±8.5 **4.1b,3.7s** **57 1-98**
BJI IV 06 11 01 57.0 39.40N 76.96E 29 4.5L,4.3b **¶97iv0982**
NEIC IV 06 11 01 57.5 39.46N 76.80E 33 4.5b
MOS IV 06 11 01 57.8 39.4N 76.9E 33 4.6b
EIDC IV 06 11 02 05.1 39.3N 76.7E 94 3.8b,3.6s
BJI Ms4.0
ISC IV 06 11 23 35±2.7 **39.5N**±.15 **76.8E**±.39 **90**±32 **3.5b** **5 6-82**
EIDC IV 06 11 23 39.2 39.3N 76.5E 125 3.3b **¶97iv0984**
ISC Poorly determined
ISC IV 06 12 40 05±1.2 **39.57N**±.080 **77.1E**±.12 **38**±15 **3.5b** **17 1-82**
EIDC IV 06 12 40 03.9 39.7N 77.2E 13 3.6b **¶97iv0994**
NEIC IV 06 12 40 04.5 39.58N 77.15E 33
BJI IV 06 12 40 04.6 39.56N 77.11E 12 3.6L
NEIC Less reliable solution.
ISC IV 06 12 58 19.5±.68 **39.50N**±.031 **76.93E**±.028 **43**±6.5 **5.0b,5.0s** **326 1-155**
BJI IV 06 12 58 17.3 39.42N 77.04E 21 4.8L,4.9b **¶97iv0998**
NEIC IV 06 12 58 18.3 39.52N 76.92E 33 5.2b,4.8s
MOS IV 06 12 58 19.3 39.7N 76.9E 33 5.5b,5.2s
HRVD IV 06 12 58 20.9±.6 39.48N±.09 76.99E±.09 33
EIDC IV 06 12 58 22.9 39.5N 76.9E 59 4.6b
BJI Ms5.2
NEIC Mw5.3(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c31; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−8.35±.57; $M_{\theta\theta}$2.18±.88; $M_{\phi\phi}$6.17±.61; $M_{r\theta}$1.03±1.44; $M_{r\phi}$−4.71±2.07; $M_{\theta\phi}$3.68±.69. Principal Axes: T 9.1,Plg12°,Azm116°; N 1.0, Plg17°,Azm23°; P −10.1,Plg69°,Azm241°. Best double couple: $M_0$9.6×10^{16}Nm, NP1: ϕ_S227°,δ36°,λ−61°. NP2:ϕ_S12°,δ59°,λ−109°.
ISC IV 06 14 41 06.6±.83 **39.6N**±.11 **77.2E**±.14 **21** **3.5b** **12 1-82**
EIDC IV 06 14 41 07.6 39.6N 77.3E 17 3.5b **¶97iv1010**
NEIC IV 06 14 41 08.0 39.61N 77.14E 33
BJI IV 06 14 41 08.7 39.41N 77.05E 21 3.6L
NEIC Less reliable solution.
ISC IV 06 15 14 12.3±.75 **39.48N**±.045 **76.77E**±.075 **60**±8.7 **3.9b** **42 1-82**
NEIC IV 06 15 14 09.8 39.59N 76.82E 33 4.9b **¶97iv1014**
BJI IV 06 15 14 10.2 39.58N 76.90E 22 3.9L,4.1b
MOS IV 06 15 14 10.4 39.5N 76.8E 33 4.7b
EIDC IV 06 15 14 15.3 39.5N 76.8E 75 3.7b,3.3s
ISC IV 06 16 19 36.8±.99 **39.44N**±.059 **76.91E**±.087 **52**±11 **3.6b**,2.6s **24 1-82**
BJI IV 06 16 19 33.5 39.12N 77.13E 25 3.8L,3.7b **¶97iv1016**
NEIC IV 06 16 19 35.0 39.54N 77.06E 33
MOS IV 06 16 19 37.4 39.4N 77.2E 33 4.3b
EIDC IV 06 16 19 41.7 39.4N 77.0E 81 3.4b,2.9s
NEIC Single network solution.
ISC IV 06 17 38 37±1.7 **39.54N**±.088 **77.1E**±.10 **53**±19 **3.6b** **19 1-82**
BJI IV 06 17 38 33.9 39.41N 77.03E 20 3.7L **¶97iv1030**
NEIC IV 06 17 38 34.9 39.61N 77.12E 33
EIDC IV 06 17 38 44.4 39.2N 76.7E 113 3.4b
NEIC Less reliable solution.
ISC IV 06 23 19 00±1.4 **39.5N**±.13 **76.5E**±.19 **54**±14 **3.5b** **10 0-78**
NEIC IV 06 23 18 59.4 39.63N 76.19E 33 5.0b,4.8s **¶97iv1070**
BJI IV 06 23 19 00.1 39.60N 76.69E 33 3.6L
EIDC IV 06 23 19 07.6 39.1N 76.9E 142 3.2b
NEIC Less reliable solution.
ISC IV 07 04 43 19±2.3 **39.64N**±.057 **77.2E**±.11 **5**±15 **3.7b** **21 1-82**
BJI IV 07 04 43 19.9 39.96N 77.19E 20 4.3L,4.2b **¶97iv1104**
NEIC IV 07 04 43 23.4 39.67N 77.35E 33
EIDC IV 07 04 43 27.5 39.5N 77.3E 58 3.5b
NEIC Less reliable solution.
ISC IV 07 08 28 29.8±.77 **39.52N**±.046 **76.82E**±.085 **52**±9.6 **3.7b**,3.2s **30 1-82**
NEIC IV 07 08 28 27.9 39.59N 76.87E 33 4.2b **¶97iv1127**
BJI IV 07 08 28 28.8 39.56N 76.78E 25 4.2L,3.7b
MOS IV 07 08 28 29.0 39.5N 76.9E 33 4.5b
EIDC IV 07 08 28 33.6 39.5N 76.7E 77 3.5b,2.8s
ISC IV 07 21 22 57.5±.76 **39.42N**±.042 **76.78E**±.067 **60**±8.9 **3.9b** **47 1-82**
NEIC IV 07 21 22 54.5 39.40N 76.73E 33 4.3b **¶97iv1231**
BJI IV 07 21 22 54.6 39.39N 76.89E 25 4.0L,4.3b
MOS IV 07 21 22 55.3 39.3N 77.1E 33 4.6b
EIDC IV 07 21 23 02.6 39.4N 76.7E 96 3.6b,3.1s
BJI Ms4.2
ISC IV 07 21 53 08±1.1 **39.8N**±.17 **77.0E**±.17 **24** **3.5b** **9 1-82**
EIDC IV 07 21 53 06.0 40.0N 77.2E 0 3.6b **¶97iv1235**
BJI IV 07 21 53 08.4 39.37N 77.00E 24 3.6L
NEIC IV 07 21 53 09.5 39.98N 77.24E 33 3.6b
NEIC Poor solution.
ISC IV 08 01 29 09.4±.92 **39.46N**±.059 **76.7E**±.10 **52**±12 **3.7b** **24 1-82**
MOS IV 08 01 29 07.0 39.3N 77.1E 33 4.3b **¶97iv1254**
BJI IV 08 01 29 07.5 39.58N 76.80E 21 3.8L
NEIC IV 08 01 29 07.8 39.59N 76.66E 33 3.3b
EIDC IV 08 01 29 15.8 39.2N 76.7E 112 3.4b
NEIC Less reliable solution.
ISC IV 08 01 54 45±1.9 **39.8N**±.11 **76.8E**±.14 **24**±16 **3.9b** **11 1-83**
NEIC IV 08 01 54 44.6 39.63N 77.17E 33 **¶97iv1258**
BJI IV 08 01 54 45.9 39.54N 76.88E 18 3.5L
EIDC IV 08 01 54 48.9 39.5N 77.1E 57 3.6b,4.3L
NEIC Poor solution.
ISC IV 08 03 34 22.0±.77 **39.45N**±.043 **76.86E**±.077 **57**±8.7 **4.0b,3.6s** **42 1-83**
NEIC IV 08 03 34 19.5 39.56N 76.93E 33 4.3b **¶97iv1270**
BJI IV 08 03 34 19.7 39.49N 77.00E 25 4.3L,4.2b
MOS IV 08 03 34 20.4 39.4N 76.8E 33 4.5b
EIDC IV 08 03 34 27.6 39.3N 76.9E 97 3.8b,3.3s
NEIC Less reliable solution.
BJI Ms4.2
ISC IV 08 08 04 55±1.6 **39.3N**±.23 **76.8E**±.14 **58**±14 **3.8b** **12 1-80**
EIDC IV 08 08 04 48.3 39.3N 77.2E 0 3.8b,3.8L **¶97iv1294**
NEIC IV 08 08 04 50.7 39.18N 77.24E 33
BJI IV 08 08 04 53.4 39.37N 77.11E 13 3.6L
NEIC Poor solution.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**08 10 26 29**±2.3	**39.4N**±.20	**77.0E**±.40	**99**±29	**3.5b**	**7**	**6-78**
EIDC	IV	08 10 26 32.2	39.2N	77.1E	118	3.3b		**¶97iv1316**
ISC	**IV**	**08 13 11 49.3**±.87	**39.42N**±.052	**77.13E**±.086	**67**±11	**4.0b**	**33**	**1-80**
NEIC	IV	08 13 11 46.1	39.48N	76.94E	33	4.3b		**¶97iv1336**
BJI	IV	08 13 11 46.7	39.39N	77.02E	28	4.0L		
MOS	IV	08 13 11 46.9	39.4N	77.2E	33	4.4b		
EIDC	IV	08 13 11 53.5	39.4N	76.9E	87	3.9b,3.3s		
NEIC		Less reliable solution.						
ISC	**IV**	**08 20 22 31**±3.3	**38.6N**±.44	**76.6E**±.39	**15**	**3.5b**	**6**	**16-79**
EIDC	IV	08 20 22 29.9	38.1N	76.7E	15	3.4b,4.0L		**¶97iv1400**
ISC	**IV**	**08 20 23 08**±1.3	**39.4N**±.20	**76.8E**±.22	**33**	**3.6b**	**7**	**16-78**
EIDC	IV	08 20 22 59.5	38.4N	77.4E	0	3.6b,3.9L		**¶97iv1401**
ISC	**IV**	**09 04 02 46.2**±.73	**39.46N**±.043	**76.76E**±.055	**52**±7.8	**4.2b,4.1s**	**65**	**1-82**
BJI	IV	09 04 02 43.4	39.66N	76.93E	19	4.7L,4.4b		**¶97iv1455**
NEIC	IV	09 04 02 43.8	39.51N	76.84E	33	4.5b,4.0s		
MOS	IV	09 04 02 44.0	39.4N	76.9E	33	4.7b,4.2s		
EIDC	IV	09 04 02 48.8	39.5N	76.9E	65	3.9b,4.2s		
BJI		Ms4.4						
ISC	**IV**	**10 02 58 39.2**±.76	**39.46N**±.043	**76.79E**±.061	**69**±8.0	**4.4b**	**70**	**1-93**
MOS	IV	10 02 58 34.4	39.2N	76.8E	33	4.7b		**¶97iv1614**
BJI	IV	10 02 58 34.6	39.49N	76.88E	15	4.1L,4.6b		
NEIC	IV	10 02 58 35.0	39.40N	76.80E	33	4.5b,4.0s		
EIDC	IV	10 02 58 44.6	39.4N	76.7E	105	4.0b		
BJI		Ms4.3						
ISC	**IV**	**10 03 01 56.1**±.97	**39.46N**±.052	**76.65E**±.080	**84**±10	**4.2b**	**57**	**1-82**
BJI	IV	10 03 01 48.8	39.31N	76.80E	10	4.4b,4.4s		**¶97iv1615**
NEIC	IV	10 03 01 50.7	39.65N	76.83E	33	4.4b		
MOS	IV	10 03 01 51.9	39.7N	76.7E	33	4.5b		
EIDC	IV	10 03 01 55.4	39.5N	76.8E	63	4.0b		
BJI	**IV**	**10 05 39 25.3**	**39.38N**	**77.01E**	**26**	**3.6L**		**¶97iv1638**
BJI	**IV**	**10 21 07 43.4**	**38.97N**	**76.97E**	**25**	**3.7L**		**¶97iv1750**
EIDC	IV	10 21 07 49.3	39.9N	75.1E	0	3.7b,3.4s		
ISC	**IV**	**10 22 17 49.8**±.71	**39.36N**±.048	**76.45E**±.090	**58**±8.8	**3.9b**	**31**	**0-83**
NEIC	IV	10 22 17 46.6	39.13N	76.24E	33			**¶97iv1754**
MOS	IV	10 22 17 46.9	39.2N	77.2E	33	4.4b		
BJI	IV	10 22 17 47.2	39.22N	76.76E	20	3.8L		
EIDC	IV	10 22 17 57.1	39.2N	76.2E	110	3.6b		
NEIC		Less reliable solution.						
ISC	**IV**	**11 03 19 15**±1.6	**39.4N**±.18	**76.8E**±.14	**49**±14	**3.6b**	**11**	**1-82**
EIDC	IV	11 03 19 10.6	39.5N	77.0E	0	3.6b		**¶97iv1794**
NEIC	IV	11 03 19 13.6	39.44N	76.83E	33			
BJI	IV	11 03 19 14.7	39.41N	76.99E	23	3.7L		
NEIC		Less reliable solution.						
ISC	**IV**	**11 03 33 49.9**±.72	**39.50N**±.042	**76.80E**±.059	**58**±7.5	**4.3b**	**82**	**1-155**
NEIC	IV	11 03 33 47.1	39.45N	76.74E	33	4.4b		**¶97iv1797**
MOS	IV	11 03 33 47.6	39.6N	76.8E	33	4.6b		
BJI	IV	11 03 33 48.5	39.62N	76.79E	29	4.6L,4.6b		
EIDC	IV	11 03 33 54.2	39.5N	76.8E	83	4.0b,3.6s		
BJI		Ms4.2						
ISC	**IV**	**11 04 13 20**±1.7	**39.5N**±.13	**76.6E**±.27	**61**±13	**3.9b**	**12**	**0-78**
BJI	IV	11 04 13 13.1	39.20N	77.27E	18	3.6L		**¶97iv1801**
NEIC	IV	11 04 13 16.9	39.69N	76.74E	33			
EIDC	IV	11 04 13 26.4	39.3N	76.8E	120	3.6b		
NEIC		Poor solution.						
ISC	**IV**	**11 04 29 15.3**±.77	**39.50N**±.043	**76.71E**±.081	**61**±7.3	**4.4b**	**71**	**1-82**
EIDC	IV	11 04 29 10.7	39.4N	76.9E	16	4.4b,3.8s		**¶97iv1804**
BJI	IV	11 04 29 11.5	39.54N	76.85E	23	4.7L,4.4b		
MOS	IV	11 04 29 11.6	39.3N	76.8E	33	4.7b,4.5s		
NEIC	IV	11 04 29 11.8	39.59N	76.89E	33	4.5b,4.2s		
BJI		Ms4.5						
ISC	**IV**	**11 05 34 44**±1.0	**39.56N**±.024	**76.95E**±.020	**20**±7.4	**5.6b,6.1s**	**693**	**1-155**
NEIC	IV	11 05 34 42.7	39.53N	76.94E	15	5.8b,6.1s		**¶97iv1809**
BJI	IV	11 05 34 42.9	39.46N	76.96E	16	5.6b,6.5s		
MOS	IV	11 05 34 45.7	39.6N	77.0E	33	6.1b,6.4s		
HRVD	IV	11 05 34 49.7±.2	39.61N±.02	76.93E±.02	15			
EIDC	IV	11 05 34 51.1	39.5N	77.0E	79	5.1b,6.1s		
NEIC		Mw6.2(HRV), Me5.8(GS)						
NEIC		Radiated energy from the P−wave first−motion solution: 1.2±0.2×10^{13}Nm/14						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_S195°,δ60°,λ−120°. NP2:ϕ_S64°,δ41°,λ−49°. Principal axes: T Plg10°,Azm306°; P Plg62°,Azm56°. Depth from synthetics of broadband displacement seismograms.						
NEIC		Moment tensor solution: s39, scale 10^{18}Nm; M_{rr}−1.16; $M_{\theta\theta}$0.14; $M_{\phi\phi}$1.02; $M_{r\theta}$−0.01; $M_{r\phi}$0.01; $M_{\theta\phi}$0.37. Depth 8km; Principal axes: T 1.15,Plg0°,Azm290°; N 0.00,Plg1°, Azm200°; P −1.16,Plg89°,Azm40°. Best double couple: $M_0$1.2×10^{18}Nm; NP1:ϕ_S21°,δ45°, λ−89°. NP2:ϕ_S199°,δ45°,λ−91°.						
NEIC		Mw 6.0 (GS). Ms 6.0 (BRK). At least 9 people killed, 89 injured, 100,000 homeless, thousands of buildings destroyed and 11,000 livestock killed in Jiashi County. Felt in Bachu, Shule, Yingjisha and Yuehpuhu Counties. This is the largest earthquake to date in a swarm of large strike-slip and normal faulting events which began on January 21, 1997.						
MOS		Felt I=III MSK at Alma−Ata; I=II−III at Naryn, Sufi−Kurgan; I=II at Bishkek.						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c85; Mantle waves: s36,c55; Half duration: 3s0. Moment tensor: Scale 10^{18}Nm; M_{rr}−1.36±.03; $M_{\theta\theta}$0.19±.03; $M_{\phi\phi}$1.18±.02; $M_{r\theta}$0.14±.12; $M_{r\phi}$−1.15±.11; $M_{\theta\phi}$1.12±.02. Principal Axes: T 2.15,Plg15°,Azm119°; N −0.18,Plg25°,Azm22°; P −1.96,Plg60°,Azm237°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_S240°,δ37°,λ−45°. NP2:ϕ_S9°,δ65°,λ−118°.						
ISC	**IV**	**11 05 48 15**±2.8	**39.63N**±.083	**77.0E**±.18	**3**±17	**4.2b**	**17**	**1-78**
BJI	IV	11 05 48 07.7	38.28N	77.06E	18	5.0L		**¶97iv1810**
NEIC	IV	11 05 48 17.9	39.41N	77.66E	33			
EIDC	IV	11 05 48 22.1	39.4N	77.3E	43	3.9b,4.8L		
NEIC		Single network solution.						
ISC	**IV**	**11 06 10 41**±2.2	**39.4N**±.12	**76.9E**±.15	**18**±19	**3.7b**	**10**	**1-82**
EIDC	IV	11 06 10 32.6	37.9N	76.6E	12	3.9b,3.6L		**¶97iv1816**
BJI	IV	11 06 10 41.8	39.37N	76.88E	27	3.7L		
NEIC	IV	11 06 10 42.7	39.41N	77.03E	33			
NEIC		Poor solution.						
ISC	**IV**	**11 06 18 49**±1.0	**39.5N**±.20	**76.8E**±.17	**20**	**3.6b**	**9**	**1-82**
BJI	IV	11 06 18 45.7	39.23N	76.86E	20	3.6L		**¶97iv1817**
NEIC	IV	11 06 18 51.0	39.66N	76.88E	33			
EIDC	IV	11 06 18 52.0	39.8N	76.5E	16	3.6b		
NEIC		Poor solution.						
ISC	**IV**	**11 06 25 29**±2.0	**39.74N**±.090	**76.7E**±.11	**12**±14	**3.9b**	**18**	**1-83**
BJI	IV	11 06 25 30.4	39.59N	76.69E	29	3.6L		**¶97iv1821**
NEIC	IV	11 06 25 31.7	39.65N	76.51E	33			
EIDC	IV	11 06 25 31.8	39.8N	76.5E	18	3.8b,4.8L		
MOS	IV	11 06 25 33.0	39.4N	77.1E	33	4.5b		
NEIC		Less reliable solution.						
ISC	**IV**	**11 07 50 06**±1.5	**39.68N**±.080	**76.75E**±.091	**24**±14	**3.6b**	**21**	**1-78**
MOS	IV	11 07 50 05.8	39.2N	78.3E	33	4.4b		**¶97iv1833**
BJI	IV	11 07 50 07.4	39.69N	76.63E	27	3.9L,4.1b		
NEIC	IV	11 07 50 07.5	39.66N	76.59E	33			
EIDC	IV	11 07 50 09.1	39.7N	76.5E	29	3.6b,4.3L		
BJI		Ms4.6						
NEIC		Less reliable solution.						
BJI	**IV**	**11 08 16 25.6**	**39.69N**	**77.15E**	**10**	**4.4L**		**¶97iv1840**
ISC	**IV**	**11 09 05 20**±1.1	**39.52N**±.059	**76.8E**±.12	**58**±11	**4.1b**	**29**	**1-82**
BJI	IV	11 09 05 17.1	39.57N	76.83E	29	3.9L,4.2b		**¶97iv1847**
NEIC	IV	11 09 05 17.5	39.64N	76.87E	33	4.3b		
MOS	IV	11 09 05 18.3	39.4N	76.8E	33	4.5b		
EIDC	IV	11 09 05 24.4	39.4N	76.8E	91	3.9b		
NEIC		Less reliable solution.						
BJI	**IV**	**11 09 12 48.9**	**39.29N**	**76.99E**	**27**	**4.3L**		**¶97iv1850**
ISC	**IV**	**11 10 24 33**±1.0	**39.45N**±.094	**76.7E**±.12	**55**±12	**3.8b**	**16**	**1-78**
BJI	IV	11 10 24 30.0	39.32N	76.94E	28	3.6L		**¶97iv1871**
NEIC	IV	11 10 24 31.6	39.67N	76.53E	33			
MOS	IV	11 10 24 31.7	39.2N	77.7E	33	4.4b		
EIDC	IV	11 10 24 40.6	39.3N	76.5E	123	3.5b		
NEIC		Less reliable solution.						
ISC	**IV**	**11 10 58 46**±1.3	**39.65N**±.093	**75.1E**±.15	**47**±15	**4.0b**	**17**	**1-83**
BJI	IV	11 10 58 42.5	39.43N	77.01E	25	3.6L		**¶97iv1880**
EIDC	IV	11 10 58 49.6	39.6N	75.1E	71	3.7b,4.4L		
ISC	**IV**	**11 11 25 35.2**±.92	**39.44N**±.051	**77.05E**±.084	**44**±11	**3.8b,**4.1s	**30**	**1-82**
NEIC	IV	11 11 25 33.6	39.51N	77.15E	33			**¶97iv1886**
BJI	IV	11 11 25 34.3	39.34N	76.98E	27	4.5L,3.9b		
MOS	IV	11 11 25 36.3	39.2N	77.2E	33	4.4b		
EIDC	IV	11 11 25 38.3	39.5N	77.1E	59	3.6b		
BJI		Ms4.3						
ISC	**IV**	**11 11 51 45**±1.4	**39.37N**±.098	**77.0E**±.14	**38**±16	**3.7b**	**10**	**1-82**
NEIC	IV	11 11 51 44.8	39.26N	76.77E	33			**¶97iv1891**
BJI	IV	11 11 51 45.0	39.91N	76.86E	23	3.9L		
EIDC	IV	11 11 51 54.1	39.3N	76.8E	108	3.5b		
NEIC		Poor solution.						
ISC	**IV**	**11 12 32 22.1**±.92	**39.40N**±.051	**76.72E**±.083	**82**±11	**3.8b**	**35**	**1-82**
NEIC	IV	11 12 32 16.6	39.40N	76.64E	33	4.5b		**¶97iv1899**
BJI	IV	11 12 32 17.7	39.45N	77.06E	23	4.8L,4.5b		
MOS	IV	11 12 32 20.1	39.2N	77.3E	33	4.7b		
EIDC	IV	11 12 32 26.3	39.3N	76.6E	109	3.6b		
NEIC		Less reliable solution.						
ISC	**IV**	**11 12 42 21.2**±.98	**39.35N**±.064	**76.8E**±.11	**64**±11	**3.6b**	**23**	**1-82**
NEIC	IV	11 12 42 18.2	39.32N	76.74E	33			**¶97iv1901**
BJI	IV	11 12 42 19.0	39.52N	76.96E	25	3.9L,3.9b		
MOS	IV	11 12 42 20.4	39.4N	76.8E	33	4.6b		
EIDC	IV	11 12 42 26.1	39.3N	76.8E	100	3.4b		
NEIC		Less reliable solution.						
BJI		Ms4.9						
ISC	**IV**	**11 18 56 21**±8.2	**39.1N**±.12	**77.8E**±.24	**14**±51	**3.6b**	**8**	**2-81**
BJI	IV	11 18 56 18.8	38.88N	77.09E	20	3.5L		**¶97iv1954**
NEIC	IV	11 18 56 22.8	39.07N	77.80E	33	3.3b		
EIDC	IV	11 18 56 27.3	38.9N	77.7E	49	3.3b,4.1L		
NEIC		Poor solution.						
ISC	**IV**	**11 20 48 50.8**±.89	**39.48N**±.055	**76.5E**±.13	**54**±11	**3.7b,2.7s**	**22**	**0-78**
BJI	IV	11 20 48 47.4	39.47N	76.93E	20	3.8L		**¶97iv1976**
MOS	IV	11 20 48 48.5	39.3N	77.0E	33	4.4b		
NEIC	IV	11 20 48 48.9	39.51N	76.37E	33	3.7b		
EIDC	IV	11 20 48 55.1	39.5N	76.4E	75	3.5b,3.0s		
NEIC		Less reliable solution.						
ISC	**IV**	**12 21 09 11.7**±.70	**39.47N**±.032	**76.91E**±.029	**40**±6.8	**5.0b,5.0s**	**355**	**1-155**
MOS	IV	12 21 09 08.9	39.4N	77.0E	20	5.2b,5.3s		**¶97iv2130**
NEIC	IV	12 21 09 08.9	39.47N	76.90E	20	5.2b,5.0s		
BJI	IV	12 21 09 09.3	39.39N	76.94E	21	5.6L,4.9b		
HRVD	IV	12 21 09 15.0±.4	39.64N±.07	77.20E±.09	16			
EIDC	IV	12 21 09 15.8	39.5N	76.9E	68	4.5b,4.6s		
NEIC		Mw5.3(HRV)						
NEIC		Damage in Jiashi County.						
BJI		Ms5.3						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c41; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−9.41±.61; $M_{\theta\theta}$4.86±.84; $M_{\phi\phi}$4.56±.56; $M_{r\theta}$2.11±2.17; $M_{r\phi}$−2.18±2.45; $M_{\theta\phi}$6.10±.65. Principal Axes: T 10.8,Plg0°,Azm136°; N −0.4, Plg19°,Azm46°; P −10.4,Plg71°,Azm226°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S243°,δ48°,λ−65°. NP2:ϕ_S28°,δ48°,λ−115°.						
ISC	**IV**	**12 21 14 37**±2.3	**39.3N**±.18	**76.8E**±.15	**39**±20	**4.2b**	**13**	**1-82**
EIDC	IV	12 21 14 34.2	39.3N	77.0E	0	4.2b		**¶97iv2132**
NEIC	IV	12 21 14 36.7	39.31N	76.84E	33			
BJI	IV	12 21 14 37.0	39.89N	77.08E	20	4.8L		
NEIC		Single network solution.						
ISC	**IV**	**12 21 41 25**±1.2	**39.54N**±.082	**76.95E**±.096	**34**±14	**3.7b**	**18**	**1-82**
BJI	IV	12 21 41 21.5	38.93N	77.19E	18	4.1L,3.9b		**¶97iv2135**
NEIC	IV	12 21 41 25.3	39.49N	76.71E	33	3.6b		
EIDC	IV	12 21 41 32.2	39.3N	76.7E	88	3.5b		
NEIC		Less reliable solution.						
EIDC	**IV**	**12 22 14 07.5**	**38.7N**	**76.9E**	**0**	**3.6b,**3.7L		**6-82**
								¶97iv2139
ISC	**IV**	**13 03 04 44**±1.3	**39.35N**±.095	**76.9E**±.12	**74**±15	**3.6b**	**17**	**1-82**
BJI	IV	13 03 04 39.7	39.18N	77.15E	25	4.0L,3.8b		**¶97iv2176**
NEIC	IV	13 03 04 42.3	39.58N	76.45E	33	3.3b		
MOS	IV	13 03 04 44.6	39.3N	76.9E	33	4.3b		
EIDC	IV	13 03 04 46.3	39.5N	76.6E	61	3.4b		
ISC	**IV**	**13 13 15 55.3**±.61	**39.70N**±.091	**76.7E**±.10	**20**	**3.7b**	**15**	**1-83**
BJI	IV	13 13 15 56.0	39.56N	76.94E	20	3.8L,3.7b		**¶97iv2245**
NEIC	IV	13 13 15 57.5	39.68N	76.35E	33	3.5b		
EIDC	IV	13 13 16 01.2	39.6N	76.3E	53	3.5b,4.2L		
NEIC		Less reliable solution.						
ISC	**IV**	**13 19 35 58**±2.0	**39.7N**±.14	**76.5E**±.24	**50**±19	**3.8b**	**10**	**0-78**
EIDC	IV	13 19 35 53.4	39.8N	76.5E	0	3.8b,4.4L		**¶97iv2289**
NEIC	IV	13 19 35 56.1	39.75N	76.54E	33	3.3b		
BJI	IV	13 19 35 56.4	39.98N	76.57E	23	3.5L		
NEIC		Less reliable solution.						
ISC	**IV**	**14 00 02 14.2**±.79	**39.45N**±.047	**76.88E**±.064	**58**±8.2	**4.2b,**4.1s	**72**	**1-112**
BJI	IV	14 00 02 10.4	39.41N	76.91E	25	4.3L,3.9b		**¶97iv2338**
NEIC	IV	14 00 02 11.4	39.53N	76.94E	33	4.5b		
MOS	IV	14 00 02 11.8	39.5N	76.9E	33	4.6b		
EIDC	IV	14 00 02 20.8	39.3N	76.7E	105	3.9b		
BJI		Ms4.3						
BJI	**IV**	**14 11 07 18.1**	**38.80N**	**77.11E**	**25**	**3.7L,3.7b**		**¶97iv2445**
ISC	**IV**	**15 04 12 25.0**±.76	**39.44N**±.054	**76.81E**±.095	**61**±8.0	**3.9b**	**38**	**1-82**
MOS	IV	15 04 12 21.6	39.2N	76.7E	33	4.4b		**¶97iv2551**
BJI	IV	15 04 12 21.6	39.39N	77.04E	27	3.8L,3.8b		
NEIC	IV	15 04 12 21.9	39.51N	76.85E	33	4.2b		
EIDC	IV	15 04 12 29.6	39.3N	76.8E	92	3.6b		
NEIC		Less reliable solution.						

ISC	**IV**	**15 18 02 21**±1.1	**39.36N**±.050	**76.8E**±.11	**71**±11	**3.7b**	**34**	**1-82**
NEIC	IV	15 18 02 17.6	39.50N	77.03E	33	4.2b		**¶97iv2630**
BJI	IV	15 18 02 17.7	39.55N	76.91E	26	3.8L		
MOS	IV	15 18 02 18.5	39.4N	77.2E	33	4.6b		
EIDC	IV	15 18 02 23.4	39.4N	76.9E	76	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**15 18 19 10**±1.0	**39.62N**±.026	**76.98E**±.021	**22**±7.6	**5.4b,5.8s**	**546**	**1-155**
NEIC	IV	15 18 19 10.1	39.63N	76.99E	23	5.4b,5.8s		**¶97iv2631**
BJI	IV	15 18 19 10.2	39.59N	77.01E	23	5.8b,6.2s		
MOS	IV	15 18 19 12.2	39.7N	77.1E	33	5.9b,6.0s		
EIDC	IV	15 18 19 15.5	39.6N	77.0E	60	5.0b,5.4s		
HRVD	IV	15 18 19 15.6±.2	39.69N±.02	76.99E±.03	23			
NEIC	Mw5.8(GS), Me5.7(GS)							
NEIC	Radiated energy from the P−wave first−motion solution: 9.2±2.3×10^{12}Nm/12							
NEIC	Mw 5.8 (HRV). One person injured and some buildings destroyed in Jiashi County.							
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S170°,δ65°,λ−145°. NP2:ϕ_S64°,δ59°,λ−30°. Principal axes: T Plg4°,Azm295°; P Plg42°,Azm29°. Depth from synthetics of broadband displacement seismograms.							
NEIC	Moment tensor solution: s35, scale 10^{17}Nm; M_{rr}−3.83; $M_{\theta\theta}$0.24; $M_{\phi\phi}$3.60; $M_{r\theta}$−1.36; $M_{r\phi}$2.43; $M_{\theta\phi}$2.65. Depth 7km; Principal axes: T 5.32,Plg10°,Azm295°; N 0.06,Plg28°, Azm200°; P −5.38,Plg60°,Azm43°. Best double couple: $M_0$5.4×10^{17}Nm; NP1:ϕ_S55°,δ43°, λ−46°. NP2:ϕ_S182°,δ61°,λ−123°.							
MOS	Felt I=III MSK at Naryn, Sufi−Kurgan; I=II at Alma−Ata, Bishkek.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s51,c97; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−3.53±.12; $M_{\theta\theta}$−0.90±.17; $M_{\phi\phi}$4.43±.13; $M_{r\theta}$−1.22±.26; $M_{r\phi}$−0.49±.28; $M_{\theta\phi}$5.70±.13. Principal Axes: T 8.16,Plg5°,Azm123°; N −3.19, Plg60°,Azm222°; P −4.97,Plg29°,Azm30°. Best double couple: $M_0$6.6×10^{17}Nm, NP1: ϕ_S170°,δ66°,λ−162°. NP2:ϕ_S73°,δ74°,λ−25°.							
ISC	**IV**	**15 18 51 29.0**±.79	**39.57N**±.045	**77.09E**±.073	**45**±9.2	**4.0b**	**39**	**1-82**
EIDC	IV	15 18 51 24.7	39.7N	77.6E	0	4.1b		**¶97iv2634**
BJI	IV	15 18 51 27.6	39.60N	77.10E	24	4.6L,4.2b		
NEIC	IV	15 18 51 27.8	39.67N	77.29E	33	4.3b		
MOS	IV	15 18 51 28.4	39.5N	77.3E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**15 18 55 40.3**±.57	**39.78N**±.072	**77.1E**±.12	**23**	**4.0b**	**19**	**1-82**
NEIC	IV	15 18 55 40.1	39.48N	76.99E	33			**¶97iv2635**
BJI	IV	15 18 55 40.2	39.78N	77.06E	23	4.3L		
EIDC	IV	15 18 55 49.5	39.4N	76.9E	100	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**16 00 17 31.1**±.90	**39.68N**±.069	**76.4E**±.12	**50**±9.4	**3.8b**	**22**	**0-83**
BJI	IV	16 00 17 28.2	39.91N	76.74E	22	3.7L,3.8b		**¶97iv2667**
NEIC	IV	16 00 17 29.3	39.70N	76.35E	33	3.9b		
EIDC	IV	16 00 17 29.3	39.8N	76.5E	16	3.7b,4.8L		
MOS	IV	16 00 17 30.1	39.7N	76.0E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**16 01 23 27.1**±.83	**39.57N**±.045	**76.93E**±.065	**37**±9.3	**4.1b,3.9s**	**52**	**1-82**
BJI	IV	16 01 23 26.0	39.73N	76.99E	11	4.7L,4.6b		**¶97iv2674**
NEIC	IV	16 01 23 26.5	39.57N	76.87E	33	4.5b,4.0s		
MOS	IV	16 01 23 26.7	39.5N	76.9E	33	4.7b,4.2s		
EIDC	IV	16 01 23 27.5	39.5N	76.8E	26	3.9b,3.9s		
BJI	Ms4.4							
NEIC	Less reliable solution.							
BJI	**IV**	**16 13 45 24.1**	**39.37N**	**76.95E**	**22**	**3.3L**		**¶97iv2769**
BJI	**IV**	**16 18 35 46.2**	**39.41N**	**77.04E**	**17**	**4.0L**		**¶97iv2797**
BJI	**IV**	**16 19 40 16.4**	**39.63N**	**77.07E**	**16**	**3.9L**		**¶97iv2803**
ISC	**IV**	**16 23 52 20**±1.2	**39.6N**±.13	**76.2E**±.30	**33**	**3.5b**	**6**	**16-78**
EIDC	IV	16 23 52 06.1	38.2N	77.0E	0	3.6b,3.7L		**¶97iv2822**
ISC	**IV**	**17 03 56 23**±2.1	**39.1N**±.15	**77.1E**±.12	**34**±16	**3.9b**	**19**	**1-82**
MOS	IV	17 03 56 21.2	38.7N	77.4E	33	4.0b		**¶97iv2852**
EIDC	IV	17 03 56 22.0	39.0N	77.1E	15	3.9b,3.8L		
NEIC	IV	17 03 56 23.0	39.13N	77.21E	33	3.6b		
BJI	IV	17 03 56 25.7	39.50N	77.02E	14	3.8L,3.8b		
NEIC	Less reliable solution.							
BJI	**IV**	**17 06 12 29.7**	**39.56N**	**77.31E**	**16**	**3.6L**		**¶97iv2862**
BJI	**IV**	**17 07 37 22.5**	**39.44N**	**76.91E**	**22**	**3.4L**		**¶97iv2869**
BJI	**IV**	**17 09 22 57.2**	**39.39N**	**77.17E**	**13**	**3.4L**		**¶97iv2876**
BJI	**IV**	**17 16 00 41.1**	**39.28N**	**77.24E**	**15**	**3.6L**		**¶97iv2929**
BJI	**IV**	**17 18 48 06.5**	**38.58N**	**77.12E**	**12**	**3.6L**		**¶97iv2957**
ISC	**IV**	**17 23 29 29**±1.0	**39.6N**±.11	**76.5E**±.12	**64**±12	**3.8b**	**14**	**0-78**
BJI	IV	17 23 29 26.6	39.69N	76.92E	25	3.7L,3.8b		**¶97iv2991**
NEIC	IV	17 23 29 27.4	39.69N	76.29E	33	3.5b		
EIDC	IV	17 23 29 34.8	39.4N	76.5E	103	3.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**20 08 43 00**±1.6	**39.6N**±.12	**77.0E**±.18	**11**	3.8b	**9**	**1-78**
BJI	IV	20 08 43 02.9	39.46N	76.91E	11	3.7L		**¶97iv3291**
ISC	**IV**	**20 20 24 21.4**±.94	**39.7N**±.12	**77.2E**±.15	**27**	**3.8b**	**10**	**1-78**
BJI	IV	20 20 24 19.4	38.97N	77.35E	27	3.7L		**¶97iv3357**
EIDC	IV	20 20 24 20.6	39.8N	76.9E	0	3.8b,4.8L		
NEIC	IV	20 20 24 22.8	39.67N	77.02E	33			
NEIC	Single network solution.							
ISC	**IV**	**22 11 43 26**±2.4	**39.6N**±.22	**76.9E**±.48	**55**±30	**3.9b**	**8**	**7-78**
NEIC	IV	22 11 43 24.6	39.68N	76.76E	33	3.6b		**¶97iv3719**
EIDC	IV	22 11 43 30.6	39.5N	77.0E	80	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**22 14 15 35.0**±.44	**39.63N**±.053	**77.08E**±.079	**9**	**3.9b,**3.0s	**29**	**1-82**
NEIC	IV	22 14 15 35.6	39.64N	77.06E	16			**¶97iv3762**
BJI	IV	22 14 15 36.7	39.57N	77.19E	9	4.2L,3.9b		
EIDC	IV	22 14 15 37.8	39.7N	77.2E	15	3.7b,3.4s		
MOS	IV	22 14 15 40.0	39.4N	76.9E	33	4.4s		
NEIC	Less reliable solution.							
ISC	**IV**	**23 16 47 25**±1.3	**39.63N**±.086	**77.1E**±.10	**40**±14	**3.8b**	**16**	**1-82**
BJI	IV	23 16 47 22.6	39.30N	77.34E	25	4.0L		**¶97iv3996**
NEIC	IV	23 16 47 24.3	39.64N	77.15E	33			
EIDC	IV	23 16 47 30.6	39.6N	77.0E	75	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 23 15 43**±1.1	**39.56N**±.074	**76.92E**±.096	**47**±13	**3.7b**	**22**	**1-82**
EIDC	IV	24 23 15 40.8	39.8N	77.2E	16	3.6b,4.6L		**¶97iv4229**
NEIC	IV	24 23 15 41.6	39.64N	76.89E	33			
BJI	IV	24 23 15 41.9	39.58N	77.01E	28	3.8L		
NEIC	Less reliable solution.							
ISC	**IV**	**26 04 55 06.1**±.72	**39.50N**±.048	**76.36E**±.098	**45**±8.6	**3.8b,3.6s**	**38**	**0-83**
MOS	IV	26 04 55 02.8	39.3N	77.1E	33	4.3s		**¶97iv4469**
BJI	IV	26 04 55 05.4	39.63N	76.82E	20	4.5L,4.7b		
NEIC	IV	26 04 55 05.8	39.53N	76.09E	33			
EIDC	IV	26 04 55 10.3	39.5N	76.2E	54	3.5b,3.7s		
BJI	Ms4.4							
NEIC	Less reliable solution.							
BJI	**IV**	**26 08 10 34.1**	**39.63N**	**76.74E**	**16**	**3.5L**		**¶97iv4495**
BJI	**IV**	**27 00 56 47.5**	**39.85N**	**77.15E**	**27**	**3.4L**		**¶97iv4634**
ISC	**IV**	**28 03 00 07**±2.0	**39.7N**±.29	**76.6E**±.22	**22**	3.4b	**5**	**1-78**
EIDC	IV	28 02 59 49.3	37.7N	77.9E	0	3.6b,4.0L		**¶97iv4835**
BJI	IV	28 03 00 04.1	39.41N	76.87E	22	3.6L		
BJI	**IV**	**28 10 36 23.2**	**39.88N**	**77.07E**	**26**	**3.4L**		**¶97iv4896**
BJI	**IV**	**29 02 59 43.9**	**39.61N**	**77.12E**	**24**	**3.6L**		**¶97iv5012**
ISC	**IV**	**30 21 58 58**±1.1	**39.5N**±.10	**76.5E**±.13	**48**±12	**3.5b**	**10**	**0-78**
BJI	IV	30 21 58 54.1	39.40N	77.00E	15	3.6L		**¶97iv5274**
NEIC	IV	30 21 58 56.1	39.32N	76.35E	33			
EIDC	IV	30 21 59 03.3	39.6N	75.7E	45	3.4b,3.3L		
NEIC	Poor solution.							
ISC	**V**	**02 12 20 02.0**±.35	**39.46N**±.044	**76.71E**±.072	**33**	**3.7b**	**51**	**1-127**
NEIC	V	02 12 20 01.0	39.29N	76.55E	33	3.6b		**¶97v0263**
MOS	V	02 12 20 01.8	39.3N	76.9E	33	4.5b		
BJI	V	02 12 20 02.9	39.50N	76.70E	32	4.1L,3.9b		
EIDC	V	02 12 20 08.5	39.4N	76.5E	86	3.5b		
NEIC	Less reliable solution.							
BJI	Ms4.1							
ISC	EIDC has an additional epicentre on May 02 12:20:24.3 39.52N 76.65E 179.3km 3.6b , which we believe to be based on later phases							
ISC	**V**	**06 06 39 07**±1.0	**39.34N**±.068	**76.71E**±.095	**51**±11	**3.7b**	**25**	**1-142**
BJI	V	06 06 39 04.9	39.42N	76.45E	70	3.6b		**¶97v0920**
MOS	V	06 06 39 07.3	39.4N	77.0E	59	4.5b		
NEIC	V	06 06 39 12.5	39.27N	76.48E	100	3.4b		
EIDC	V	06 06 39 15.9	39.2N	76.4E	113	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**08 22 10 15.4**±.73	**38.8N**±.12	**76.6E**±.15	**33**	**3.7b**	**19**	**4-82**
NEIC	V	08 22 10 15.1	38.70N	76.60E	33			**¶97v1317**
BJI	V	08 22 10 17.5	39.61N	76.76E	33	3.9L		
MOS	V	08 22 10 17.9	39.2N	76.8E	33	4.1b		
EIDC	V	08 22 10 28.8	38.9N	76.5E	137	3.4b		
NEIC	Poor solution.							
BJI	**V**	**09 09 21 35.4**	**39.09N**	**76.92E**	**25**	**3.8L**		**¶97v1400**
ISC	**V**	**12 00 26 59**±1.3	**39.56N**±.061	**76.7E**±.13	**36**±14	**3.6b**	**25**	**1-78**
BJI	V	12 00 26 58.5	39.50N	76.79E	24	3.6b		**¶97v1866**
NEIC	V	12 00 26 58.6	39.58N	76.63E	33	3.3b		
MOS	V	12 00 27 01.8	39.0N	77.6E	33	4.3b		
EIDC	V	12 00 27 03.4	39.5N	76.4E	51	3.4b,4.4L		
NEIC	Less reliable solution.							
ISC	**V**	**12 02 13 25**±2.5	**39.0N**±.17	**76.8E**±.16	**42**±19	**3.5b**	**16**	**1-80**
NEIC	V	12 02 13 23.7	39.01N	76.72E	33			**¶97v1873**
MOS	V	12 02 13 26.0	39.2N	77.0E	33	4.4b		
BJI	V	12 02 13 27.6	39.49N	77.01E	32	3.9L		
EIDC	V	12 02 13 35.3	39.2N	76.7E	128	3.2b		
NEIC	Poor solution.							
BJI	**V**	**12 02 58 34.4**	**39.44N**	**76.91E**	**24**	**3.6L**		**¶97v1878**
BJI	**V**	**12 06 28 50.4**	**39.60N**	**76.95E**	**23**	**3.4L**		**¶97v1907**
ISC	**V**	**12 06 32 00.5**±.91	**39.7N**±.15	**77.0E**±.16	**16**	**4.2b**	**10**	**1-78**
EIDC	V	12 06 31 56.7	39.2N	78.6E	0	4.0b,4.7L		**¶97v1908**
BJI	V	12 06 32 01.5	39.57N	76.99E	16	4.1L,4.5b		
BJI	**V**	**12 07 18 41.3**	**39.53N**	**76.97E**	**10**	**3.4L**		**¶97v1914**
ISC	**V**	**12 09 56 50**±1.1	**39.5N**±.13	**76.9E**±.15	**24**		**7**	**1-9**
BJI	V	12 09 56 51.6	39.40N	76.90E	24	3.8L		**¶97v1936**
ISC	**V**	**12 13 36 29**±1.5	**39.5N**±.14	**76.9E**±.19	**44**±38		**11**	**1-22**
BJI	V	12 13 36 29.8	39.39N	76.87E	32	4.0L,4.4b		**¶97v1965**
ISC	**V**	**12 13 36 50.0**±.83	**39.49N**±.080	**76.8E**±.15	**20**	**3.7b**	**13**	**1-78**
EIDC	V	12 13 36 29.3	37.9N	79.4E	0	3.8b,4.2L		**¶97v1966**
BJI	V	12 13 36 49.7	39.65N	76.62E	20	4.1L		
BJI	**V**	**12 21 55 20.9**	**36.75N**	**85.60E**	**17**	**3.8L**		**¶97v2053**
ISC	**V**	**13 02 19 30.8**±.60	**39.30N**±.061	**76.8E**±.10	**18**	**3.5b**	**21**	**1-78**
BJI	V	13 02 19 30.1	39.48N	76.77E	18	4.1L,3.6b		**¶97v2110**
EIDC	V	13 02 19 45.8	38.8N	76.3E	155	3.2b		
ISC	**V**	**13 21 13 01**±1.9	**39.2N**±.10	**90.6E**±.12	**44**±18	**3.6b**	**20**	**5-150**
BJI	V	13 21 12 59.0	39.03N	90.28E	32	4.2L,4.3b		**¶97v2331**
NEIC	V	13 21 13 00.3	39.20N	90.60E	33	3.4b		
EIDC	V	13 21 13 06.3	39.1N	90.5E	69	3.4b,4.0L		
BJI	**V**	**13 22 26 13.6**	**39.47N**	**76.83E**	**22**	**3.2L**		**¶97v2343**
ISC	**V**	**14 02 22 27**±1.8	**39.39N**±.054	**76.7E**±.13	**21**±15	**3.7b,**3.8s	**26**	**1-78**
BJI	V	14 02 22 26.6	39.67N	76.84E	11	4.4L,3.7b		**¶97v2367**
MOS	V	14 02 22 29.6	39.5N	76.3E	33	4.0b		
NEIC	V	14 02 22 29.9	39.47N	76.19E	33	3.3b		
EIDC	V	14 02 22 35.5	39.4N	76.3E	72	3.3b,4.5L		
NEIC	Less reliable solution.							
BJI	**V**	**14 08 23 16.5**	**39.60N**	**76.64E**	**18**	**3.5L**		**¶97v2414**
ISC	**V**	**16 00 11 54.0**±.79	**41.63N**±.088	**83.8E**±.15	**31**	**3.5b**	**14**	**6-80**
EIDC	V	16 00 11 50.6	41.2N	83.0E	0	3.7b,4.3L		**¶97v2700**
BJI	V	16 00 11 52.7	41.66N	84.06E	31	3.5L		
NEIC	V	16 00 11 54.9	41.83N	84.07E	33			
NEIC	Single network solution.							
BJI	**V**	**16 15 19 05.4**	**36.66N**	**81.78E**	**5**	**3.6L**		**¶97v2798**
BJI	**V**	**16 16 34 56.6**	**39.67N**	**76.87E**	**5**	**3.3L**		**¶97v2806**
BJI	**V**	**16 23 55 51.1**	**39.53N**	**76.99E**	**18**	**3.5L**		**¶97v2852**
ISC	**V**	**17 03 58 25.1**±.67	**39.52N**±.031	**76.96E**±.028	**43**±6.6	**4.8b,4.8s**	**366**	**1-144**
EIDC	V	17 03 58 23.1	39.4N	76.9E	20	4.5b,4.3s		**¶97v2879**
BJI	V	17 03 58 23.5	39.50N	76.98E	24	4.8b,5.2s		
NEIC	V	17 03 58 23.7	39.53N	76.97E	33	4.9b,4.9s		
MOS	V	17 03 58 25.6	39.7N	77.0E	33	5.2b,4.8s		
NEIC	Casualties.							
NEIC	One person injured at Jiashi.							
BJI	**V**	**17 04 38 55.4**	**39.43N**	**76.96E**	**20**	**3.5L**		**¶97v2884**
BJI	**V**	**17 06 28 11.8**	**39.47N**	**76.91E**	**15**	**3.5L**		**¶97v2892**
BJI	**V**	**17 19 46 42.6**	**39.42N**	**76.93E**	**20**	**3.5L**		**¶97v2979**
ISC	**V**	**22 00 46 16.0**±.81	**39.69N**±.070	**76.5E**±.10	**78**±8.9	**3.7b**	**24**	**0-127**
NEIC	V	22 00 46 11.3	39.70N	76.47E	33	3.8b		**¶97v3663**
BJI	V	22 00 46 14.1	40.05N	76.96E	21	3.9L		
MOS	V	22 00 46 15.5	39.8N	76.9E	33	4.2b		
EIDC	V	22 00 46 23.2	39.7N	76.5E	134	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**22 15 26 45.6**±.34	**38.27N**±.051	**90.09E**±.050	**23**	**4.1b**	**47**	**6-90**
BJI	V	22 15 26 44.7	38.35N	90.09E	23	4.4L,4.5b		**¶97v3790**
MOS	V	22 15 26 47.0	38.2N	89.9E	33	4.3b		
NEIC	V	22 15 26 47.0	38.29N	90.14E	33	4.1b		
EIDC	V	22 15 26 49.3	38.2N	90.1E	37	4.0b,3.8L		
BJI	Ms4.1							
BJI	**V**	**23 09 48 48.0**	**38.61N**	**76.88E**	**21**	**3.9L**		**¶97v3931**
BJI	**V**	**25 18 44 54.4**	**38.65N**	**77.03E**	**5**	**3.7L**		**¶97v4309**
BJI	**V**	**27 04 46 14.9**	**39.61N**	**76.88E**	**26**	**4.0L**		**¶97v4513**
BJI	**V**	**27 05 08 28.9**	**39.48N**	**77.01E**	**20**	**3.5L**		**¶97v4516**
ISC	**V**	**27 10 16 08**±1.1	**39.54N**±.077	**76.94E**±.099	**44**±12	**3.8b**	**18**	**1-82**
NEIC	V	27 10 16 04.1	39.52N	77.05E	15			**¶97v4553**
EIDC	V	27 10 16 05.6	39.3N	77.1E	13	3.8b,4.3L		
MOS	V	27 10 16 06.1	39.3N	76.8E	33	4.3b		
BJI	V	27 10 16 07.5	39.69N	76.96E	3	3.9L,3.9b		
NEIC	Single network solution.							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
BJI	**V 27 12 55 22.0**	**39.48N**	**76.91E**	**24**	**3.4L**		**¶97v4571**
ISC	**V 29 18 29 18.6**±.87	**39.90N**±.058	**77.00E**±.090	**47**±12	**3.7b**	**21**	**1-83**
EIDC	V 29 18 29 12.9	39.5N	77.1E	0	3.5b,3.8L		**¶97v4913**
MOS	V 29 18 29 16.0	39.8N	77.1E	33	4.6b		
NEIC	V 29 18 29 16.3	39.68N	76.98E	33	4.8b		
BJI	V 29 18 29 17.6	39.99N	77.08E	24	3.6L,3.7b		
NEIC	Less reliable solution.						
BJI	**V 29 19 58 32.0**	**39.49N**	**77.05E**	**26**	**3.5L**		**¶97v4921**
BJI	**V 30 13 55 44.7**	**39.50N**	**76.74E**	**15**	**3.3L**		**¶97v5046**
ISC	**V 30 17 54 55.2**±.74	**37.17N**±.032	**78.01E**±.033	**49**±7.1	**4.9b,4.7s**	**275**	**3-146**
BJI	V 30 17 54 52.0	37.32N	78.18E	7	4.7b,4.9s		**¶97v5071**
EIDC	V 30 17 54 52.5	37.1N	78.0E	19	4.6b,4.2s		
MOS	V 30 17 54 52.9	37.1N	78.1E	33	5.4b,4.9s		
NEIC	V 30 17 54 53.0	37.15N	78.05E	33	5.2b,5.2s		
HRVD	V 30 17 54 54.4±1.1	37.18N±.10	78.06E±.11	33			
NEIC	Mw5.1(HRV)						
NEIC	Felt at Pishan.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c26; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.63±.27; $M_{\theta\theta}$−2.69±.36; $M_{\phi\phi}$0.06±.47; $M_{r\theta}$−2.70±1.03; $M_{r\phi}$1.30±.93; $M_{\theta\phi}$1.82±.31. Principal Axes: T 3.85,Plg68°,Azm205°; N 0.96, Plg0°,Azm296°; P −4.80,Plg22°,Azm26°. Best double couple: $M_0$4.3×10^{16}Nm, NP1:ϕ_S117°, δ23°,λ91°. NP2:ϕ_S296°,δ67°,λ90°.						
ISC	**V 30 18 05 56**±2.7	**37.3N**±.13	**78.0E**±.12	**88**±26	**3.6b**	**15**	**10-80**
NEIC	V 30 18 05 50.4	37.16N	77.83E	33			**¶97v5074**
EIDC	V 30 18 06 00.0	37.1N	77.9E	103	3.3b,4.4L		
BJI	V 30 18 06 01.7	37.89N	78.64E	30	3.4L		
NEIC	Single network solution.						
BJI	**V 30 19 58 23.9**	**39.62N**	**77.11E**	**17**	**3.6L**		**¶97v5089**
ISC	**V 30 21 05 54**±1.1	**39.37N**±.074	**76.9E**±.10	**58**±12	**3.6b**	**18**	**1-78**
MOS	V 30 21 05 48.9	39.0N	77.1E	33	4.0b		**¶97v5100**
NEIC	V 30 21 05 48.9	39.12N	77.17E	33			
BJI	V 30 21 05 51.4	39.54N	77.02E	26	4.2L,3.7b		
EIDC	V 30 21 05 58.0	39.2N	76.7E	80	3.3b		
NEIC	Poor solution.						
BJI	Ms3.9						
BJI	**VI 04 05 15 56.7**	**39.45N**	**76.78E**	**21**	**3.4L**		**¶97vi0559**
ISC	**VI 05 00 31 15**±1.4	**39.6N**±.10	**76.6E**±.15	**58**±15	**3.7b**	**14**	**1-78**
NEIC	VI 05 00 31 10.8	39.68N	76.99E	33			**¶97vi0691**
BJI	VI 05 00 31 12.1	39.51N	76.91E	27	3.5L,3.8b		
EIDC	VI 05 00 31 15.6	39.5N	77.3E	80	3.5b,4.2L		
NEIC	Poor solution.						
ISC	**VI 05 23 02 06**±2.9	**38.25N**±.084	**90.08E**±.083	**19**±22	**3.8b**,3.2s	**28**	**6-78**
EIDC	VI 05 23 02 04.4	38.2N	90.2E	0	3.9b,3.8L		**¶97vi0847**
BJI	VI 05 23 02 06.6	38.31N	90.09E	33	4.1L,4.5b		
MOS	VI 05 23 02 07.1	38.0N	90.4E	33	4.5b		
NEIC	VI 05 23 02 07.4	38.29N	90.10E	33	4.3b		
BJI	Ms3.8						
NEIC	Less reliable solution.						
BJI	**VI 06 00 11 43.3**	**39.41N**	**76.84E**	**24**	**3.6L,4.5b**		**¶97vi0856**
ISC	**VI 06 00 23 09.0**±.78	**39.37N**±.044	**76.69E**±.065	**59**±8.3	**4.1b,3.3s**	**58**	**1-82**
MOS	VI 06 00 23 05.9	39.3N	76.7E	33	4.8b		**¶97vi0858**
NEIC	VI 06 00 23 06.1	39.27N	76.56E	33	4.7b		
BJI	VI 06 00 23 07.9	39.46N	76.79E	31	4.2L,4.6b		
EIDC	VI 06 00 23 16.3	39.2N	76.6E	110	3.8b,2.7s		
BJI	**VI 06 02 05 10.8**	**39.31N**	**76.82E**	**24**	**3.6L**		**¶97vi0866**
BJI	**VI 06 22 46 30.7**	**39.34N**	**76.70E**	**15**	**3.5L**		**¶97vi1007**
ISC	**VI 08 18 49 41**±3.0	**38.34N**±.082	**90.07E**±.093	**19**±23	**3.8b**	**25**	**6-74**
BJI	VI 08 18 49 42.3	38.29N	90.12E	32	3.9L,4.6b		**¶97vi1274**
NEIC	VI 08 18 49 43.0	38.21N	89.86E	33	4.2b		
MOS	VI 08 18 49 43.3	38.1N	90.0E	33	4.4b		
EIDC	VI 08 18 49 48.0	38.2N	89.9E	64	3.6b,3.6L		
BJI	Ms3.8						
NEIC	Less reliable solution.						
ISC	**VI 08 20 25 56**±1.3	**39.05N**±.067	**89.24E**±.059	**52**±13	**3.9b,3.2s**	**51**	**5-97**
EIDC	VI 08 20 25 51.2	38.9N	89.3E	0	4.0b,4.4L		**¶97vi1280**
MOS	VI 08 20 25 53.4	39.0N	89.3E	33	4.7b		
NEIC	VI 08 20 25 53.6	39.06N	89.28E	33	4.7b		
BJI	VI 08 20 25 54.3	39.20N	89.48E	35	4.4L,4.0b		
BJI	Ms4.5						
ISC	**VI 08 22 16 18**±1.4	**39.5N**±.12	**76.8E**±.11	**56**±12	**3.7b**	**17**	**1-78**
EIDC	VI 08 22 16 03.8	38.3N	76.9E	0	4.0b,3.8L		**¶97vi1295**
NEIC	VI 08 22 16 10.4	38.88N	77.14E	33	3.6b		
MOS	VI 08 22 16 14.8	39.3N	76.8E	33	4.2b		
BJI	VI 08 22 16 16.7	39.53N	76.99E	33	4.3L,3.9b		
NEIC	Poor solution.						
BJI	**VI 10 15 24 32.9**	**39.41N**	**77.00E**	**32**	**3.5L**		**¶97vi1543**
BJI	**VI 12 12 54 35.2**	**39.48N**	**76.98E**	**28**	**3.4L**		**¶97vi1850**
BJI	**VI 12 16 04 55.5**	**38.81N**	**76.31E**	**20**	**3.6L**		**¶97vi1872**
ISC	**VI 13 04 54 00**±1.5	**38.97N**±.086	**75.5E**±.11	**82**±18	**3.6b**	**20**	**1-80**
NEIC	VI 13 04 53 54.9	38.85N	75.44E	33	4.0b		**¶97vi1934**
BJI	VI 13 04 53 56.2	38.93N	75.62E	9	3.8L,3.7b		
EIDC	VI 13 04 54 03.8	38.9N	75.4E	99	3.5b		
NEIC	Less reliable solution.						
BJI	**VI 13 15 10 50.1**	**39.53N**	**76.97E**	**17**	**3.5L**		**¶97vi2010**
BJI	**VI 16 04 11 35.1**	**39.37N**	**77.01E**	**16**	**3.6L**		**¶97vi2403**
BJI	**VI 16 07 46 58.0**	**37.45N**	**84.04E**	**17**	**3.8L**		**¶97vi2420**
BJI	**VI 17 17 46 04.1**	**39.49N**	**77.02E**	**28**	**3.6L,3.9b**		**¶97vi2669**
ISC	**VI 18 15 01 55.1**±.76	**39.89N**±.046	**76.83E**±.081	**54**±9.2	**3.8b**,3.5s	**33**	**1-83**
NEIC	VI 18 15 01 53.1	39.91N	76.83E	33	4.2b		**¶97vi2802**
MOS	VI 18 15 01 53.4	39.9N	77.0E	33	4.4b		
BJI	VI 18 15 01 54.4	39.70N	77.01E	32	3.9L,3.8b		
EIDC	VI 18 15 01 59.8	39.8N	76.8E	84	3.6b,2.5s		
NEIC	Less reliable solution.						
BJI	**VI 19 22 38 59.5**	**39.52N**	**77.08E**	**27**	**3.5L**		**¶97vi2966**
ISC	**VI 22 09 07 26.0**±.86	**40.20N**±.054	**78.01E**±.093	**42**±11	**3.7b**	**25**	**2-82**
MOS	VI 22 09 07 23.4	40.1N	78.5E	33	4.1b		**¶97vi3360**
BJI	VI 22 09 07 24.8	39.98N	78.18E	23	4.0L,3.8b		
NEIC	VI 22 09 07 25.6	40.24N	77.91E	33	3.9b		
EIDC	VI 22 09 07 31.3	40.1N	77.8E	74	3.4b		
NEIC	Less reliable solution.						
ISC	**VI 22 23 31 13**±2.8	**39.4N**±.12	**74.9E**±.14	**23**±20	**3.6b**,2.6s	**17**	**1-83**
BJI	VI 22 23 31 08.3	39.39N	74.50E	13			**¶97vi3458**
NEIC	VI 22 23 31 15.4	39.49N	74.93E	33	3.7b		
MOS	VI 22 23 31 16.0	39.5N	75.0E	33	3.9b		
EIDC	VI 22 23 31 21.4	39.4N	74.9E	78	3.4b,2.6s		
NEIC	Less reliable solution.						
ISC	**VI 24 09 24 49.1**±.69	**39.52N**±.035	**76.91E**±.038	**43**±7.0	**4.7b,4.8s**	**160**	**1-98**
BJI	VI 24 09 24 48.5	39.45N	76.64E	51	4.6b,5.1s		**¶97vi3685**
MOS	VI 24 09 24 51.0	39.5N	76.9E	61	5.1b		
HRVD	VI 24 09 24 51.2±1.0	39.80N±.14	77.18E±.10	34±6.2			
NEIC	VI 24 09 24 51.3	39.51N	76.88E	67	4.9b		
EIDC	VI 24 09 24 53.4	39.5N	76.9E	71	4.2b,4.4s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c27; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.18±.30; $M_{\theta\theta}$−1.79±.56; $M_{\phi\phi}$3.97±.49; $M_{r\theta}$1.13±.95; $M_{r\phi}$0.05±1.02; $M_{\theta\phi}$4.48±.36. Principal Axes: T 6.45,Plg4°,Azm299°; N −1.83, Plg68°,Azm39°; P −4.62,Plg22°,Azm207°. Best double couple: $M_0$5.5×10^{16}Nm, NP1: ϕ_S345°,δ72°,λ−167°. NP2:ϕ_S251°,δ78°,λ−18°.						
NEIC	Mw5.1(HRV)						
NEIC	Felt in Jiashi County.						
ISC	**VI 24 10 06 44.3**±.78	**39.42N**±.055	**76.76E**±.087	**60**±10	**3.6b**	**25**	**1-82**
MOS	VI 24 10 06 40.2	39.2N	76.8E	33	4.4b		**¶97vi3694**
NEIC	VI 24 10 06 40.8	39.27N	76.70E	33			
BJI	VI 24 10 06 42.5	39.43N	76.85E	25	4.1b		
EIDC	VI 24 10 06 48.4	39.4N	76.7E	89	3.4b,3.6s		
NEIC	Less reliable solution.						
ISC	**VI 30 04 40 44.4**±.73	**39.89N**±.047	**76.70E**±.072	**66**±8.7	**3.9b**	**39**	**1-83**
MOS	VI 30 04 40 40.0	39.6N	76.6E	33	4.0s		**¶97vi4707**
NEIC	VI 30 04 40 40.5	39.83N	76.64E	33	4.6b		
BJI	VI 30 04 40 41.3	39.69N	77.18E	15	4.1L,4.3b		
EIDC	VI 30 04 40 49.3	39.8N	76.6E	96	3.7b,3.2s		
NEIC	Less reliable solution.						
BJI	Ms4.1						
ISC	**VI 30 13 52 06**±2.3	**39.3N**±.19	**76.8E**±.13	**29**±15	**3.5b**	**10**	**1-82**
EIDC	VI 30 13 52 02.6	39.1N	76.8E	0	3.6b,3.8L		**¶97vi4768**
BJI	VI 30 13 52 06.4	39.46N	76.97E	9	3.8L,3.7b		

(322) Gansu Province.

ISC	**I 05 09 36 04.8**±.94	**35.84N**±.059	**105.50E**±.083	**49**±10	**4.1b**	**29**	**1-85**
EIDC	I 05 09 36 02.9	35.8N	105.2E	18	3.8b,4.1L		**¶97i0651**
NEIC	I 05 09 36 03.2	35.80N	105.45E	33	4.3b		
BJI	I 05 09 36 03.8	35.79N	105.46E	33	4.4L,3.6s		
NEIC	M_L4.4(BJI), Less reliable solution.						
BJI	**I 06 17 02 51.5**	**36.25N**	**103.76E**	**25**	**2.8L**		**¶97i0814**
BJI	**I 20 21 32 25.7**	**37.61N**	**102.37E**	**14**	**3.4L**		**¶97i3086**
BJI	**II 08 20 47 03.4**	**37.69N**	**102.19E**	**17**	**3.5L**		**¶97ii1204**
BJI	**II 19 00 49 08.2**	**34.48N**	**102.81E**	**15**	**3.4L,3.5s**		**¶97ii2715**
BJI	**III 28 09 19 50.7**	**34.66N**	**104.71E**	**11**	**3.1L**		**¶97iii5402**
BJI	**IV 15 09 41 32.6**	**39.28N**	**95.06E**	**20**	**3.8L**		**¶97iv2587**
BJI	**IV 16 00 45 22.8**	**34.76N**	**106.76E**	**13**	**3.1L**		**¶97iv2671**
BJI	**IV 18 13 46 27.9**	**39.25N**	**95.02E**	**24**	**3.5L**		**¶97iv3086**
BJI	**IV 19 12 33 33.8**	**39.35N**	**99.62E**	**26**	**3.7L**		**¶97iv3199**
BJI	**V 01 08 31 36.0**	**35.76N**	**105.52E**	**14**	**3.1L**		**¶97v0063**
BJI	**V 02 09 17 42.5**	**36.80N**	**104.82E**	**14**	**3.3L**		**¶97v0242**
BJI	**V 13 00 53 02.4**	**38.61N**	**102.59E**	**25**	**3.7L**		**¶97v2090**
ISC	**VI 28 14 47 45.0**±.64	**37.09N**±.077	**103.63E**±.076	**20**	4.0b	**12**	**1-59**
BJI	VI 28 14 47 44.5	37.13N	103.63E	20	4.5L,4.1b		**¶97vi4487**
BJI	Ms4.3						

(323) Northern China.

BJI	**I 13 19 45 10.7**	**40.98N**	**99.66E**	**28**	**3.6L**		**¶97i1889**
BJI	**I 26 05 54 21.3**	**41.10N**	**97.45E**	**22**	**3.5L**		**¶97i3892**
BJI	**I 26 21 05 08.1**	**40.88N**	**109.76E**	**15**	**3.4L**		**¶97i3995**
BJI	**I 27 03 57 09.7**	**40.51N**	**109.51E**	**4**	**3.2L**		**¶97i4045**
ISC	**II 05 05 21 15**±1.4	**39.3N**±.13	**106.0E**±.13	**6**		**4**	**4-6**
BJI	II 05 05 21 15.8	39.22N	106.04E	6	2.9L		**¶97ii0642**
ISC	Poorly determined						
BJI	**III 23 04 59 28.5**	**38.69N**	**107.18E**	**28**	**2.9L**		**¶97iii4395**
BJI	**IV 12 11 04 28.7**	**41.11N**	**109.70E**	**21**	**3.3L**		**¶97iv2054**
BJI	**IV 21 09 35 45.8**	**40.56N**	**109.52E**	**5**	**3.4L**		**¶97iv3440**
BJI	**V 28 01 09 44.5**	**39.93N**	**102.47E**	**15**	**3.6L**		**¶97v4633**
BJI	**VI 14 11 39 03.7**	**37.77N**	**104.46E**	**15**	**3.8L**		**¶97vi2123**
BJI	**VI 28 23 01 12.8**	**40.93N**	**109.86E**	**18**	**2.8L**		**¶97vi4536**

(324) Kashmir-Xinjiang border region.

ISC	**II 12 20 08 58**±1.1	**36.1N**±.15	**77.4E**±.20	**33**	**3.7b**	**5**	**4-81**
EIDC	II 12 20 08 55.3	36.1N	77.5E	0	3.9b,3.9L		**¶97ii1811**
NEIC	II 12 20 08 58.2	36.08N	77.35E	33			
NEIC	Single network solution.						
ISC	**VI 14 04 04 50.6**±.69	**36.61N**±.041	**75.87E**±.046	**77**±7.0	**4.4b**	**113**	**3-139**
BJI	VI 14 04 04 49.6	36.78N	76.15E	53	4.7L,4.7b		**¶97vi2085**
NEIC	VI 14 04 04 50.5	36.71N	75.88E	75	4.6b		
MOS	VI 14 04 04 51.4	36.6N	76.0E	88	4.7b		
EIDC	VI 14 04 04 53.4	36.5N	75.8E	91	4.1b,3.3s		
BJI	Ms4.3						
ISC	**VI 22 07 59 14**±4.3	**36.0N**±.43	**77.2E**±.75	**33**	**3.6b**	**4**	**34-62**
EIDC	VI 22 07 59 15.7	36.2N	76.4E	0	3.6b		**¶97vi3342**
ISC	Poorly determined						
BJI	**VI 27 23 08 33.4**	**36.35N**	**78.45E**	**28**	**3.3L**		**¶97vi4380**

(325) Qinghai Province.

BJI	**I 05 08 26 24.8**	**36.33N**	**101.08E**	**26**	**3.8L**		**¶97i0642**
ISC	**I 06 14 03 44**±2.0	**36.98N**±.036	**97.83E**±.036	**4**±13	**5.1b,4.4s**	**165**	**3-156**
MOS	I 06 14 03 48.4	37.0N	97.9E	33	5.1b,4.4s		**¶97i0793**
NEIC	I 06 14 03 48.5	37.04N	97.84E	33	5.0b,4.3s		
BJI	I 06 14 03 48.8	37.04N	97.94E	33	4.5L,4.6b		
EIDC	I 06 14 03 53.8	37.0N	98.0E	69	4.3b		
NEIC	$M_{L4.5}$(BJI).						
BJI	Ms4.6						
ISC	**I 06 23 17 30**±2.0	**36.92N**±.095	**98.0E**±.17	**60**±19	**3.8b**	**15**	**3-78**
NEIC	I 06 23 17 27.5	36.99N	97.81E	33			**¶97i0849**
BJI	I 06 23 17 27.8	37.02N	98.09E	27	3.5L		
EIDC	I 06 23 17 36.5	36.9N	97.9E	101	3.5b,3.6L		
NEIC	M_L3.5(BJI), Less reliable solution.						
BJI	**I 11 19 09 24.6**	**33.49N**	**100.84E**	**18**	**4.3L**		**¶97i1564**
ISC	**II 02 13 13 09**±5.4	**36.86N**±.084	**98.58E**±.092	**0**±34	**3.8b**	**20**	**3-79**
BJI	II 02 13 13 10.5	36.79N	98.62E	19	3.8L,4.4b		**¶97ii0224**
NEIC	II 02 13 13 11.5	36.88N	98.63E	19			
EIDC	II 02 13 13 13.6	36.8N	98.7E	16	3.7b		
BJI	Ms3.7						
NEIC	Less reliable solution.						
ISC	**II 09 11 28 15**±2.4	**35.72N**±.038	**95.91E**±.036	**12**±15	**4.8b,5.1s**	**143**	**5-95**
BJI	II 09 11 28 14.6	35.78N	95.93E	10	5.6L,4.7b		**¶97ii1300**
NEIC	II 09 11 28 14.8	35.69N	95.82E	10	4.7b,5.2s		
EIDC	II 09 11 28 15.0	35.7N	95.8E	0	4.4b,4.7s		
MOS	II 09 11 28 18.2	35.7N	95.9E	33	5.1b,5.1s		
HRVD	II 09 11 28 22.4±.4	35.70N±.06	95.82E±.06	15			

BJI Ms5.3
NEIC Mw5.5(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c44; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.13±.06; $M_{\theta\theta}$0.03±.07; $M_{\phi\phi}$0.10±.09; $M_{r\theta}$0.69±.24; $M_{r\phi}$−0.25±.32; $M_{\theta\phi}$1.86±.06. Principal Axes: T 1.97,Plg9°,Azm316°; N 0.06, Plg69°,Azm69°; P −2.03,Plg19°,Azm223°. Best double couple: $M_0$2.0×10^{17}Nm, NP1:ϕ_S1°, δ70°,λ−172°. NP2:ϕ_S268°,δ83°,λ−20°.

ISC	**II**	**09 12 46 03.8**±.72	**35.67N**±.095	**95.92E**±.091	**8**	**3.9b**	**18**	**5-79**
BJI	II	09 12 46 02.7	35.61N	95.80E	8	4.5L,4.8b		**¶97ii1309**
NEIC	II	09 12 46 04.2	35.64N	95.90E	10	3.4b		
EIDC	II	09 12 46 04.4	35.6N	96.0E	0	3.8b		
BJI	Ms4.3							
NEIC	Less reliable solution.							
ISC	**II**	**19 06 38 41**±1.1	**35.2N**±.15	**94.0E**±.26	**33**	**3.8b**	**9**	**20-80**
EIDC	II	19 06 38 39.2	35.6N	94.8E	0	3.8b		**¶97ii2741**
NEIC	II	19 06 38 41.5	35.28N	94.10E	33	3.3b		
NEIC	Poor solution.							
EIDC	**III**	**02 19 56 50.9**	**33.0N**	**96.6E**	**0**	**3.8b**,4.9L		**17-77**
								¶97iii0392
ISC	**III**	**11 09 46 25**±3.3	**35.67N**±.054	**95.88E**±.061	**1**±21	**4.1b**	**38**	**5-79**
BJI	III	11 09 46 26.8	35.70N	95.91E	14	4.9L,4.7b		**¶97iii2353**
MOS	III	11 09 46 29.9	35.7N	95.9E	33	4.7b		
NEIC	III	11 09 46 30.2	35.65N	95.91E	33	3.5b		
EIDC	III	11 09 46 33.5	35.7N	96.0E	48	3.8b		
BJI	Ms4.4							
ISC	**III**	**30 07 20 21**±3.6	**37.1N**±.16	**95.8E**±.20	**96**±32	**3.7b**	**15**	**4-81**
BJI	III	30 07 20 09.3	36.79N	95.64E	25	3.2L		**¶97iii5716**
EIDC	III	30 07 20 10.1	36.9N	95.5E	0	3.8b,4.0L		
NEIC	III	30 07 20 13.4	36.91N	95.51E	33			
NEIC	Less reliable solution.							
BJI	**IV**	**27 05 51 04.0**	**37.08N**	**101.38E**	**19**	**3.1L**		**¶97iv4672**
ISC	**V**	**15 04 26 24**±1.8	**34.51N**±.080	**90.1E**±.13	**68**±19	**3.9b**	**24**	**5-151**
BJI	V	15 04 26 17.6	34.70N	89.40E	15	4.2b,3.6s		**¶97v2562**
NEIC	V	15 04 26 19.7	34.44N	89.88E	33	4.6b		
MOS	V	15 04 26 20.3	34.5N	90.1E	33	4.8b		
EIDC	V	15 04 26 34.8	34.2N	89.8E	163	3.5b		
NEIC	Less reliable solution.							
BJI	**VI**	**10 21 28 37.7**	**34.15N**	**101.00E**	**5**	**2.9L**		**¶97vi1569**
BJI	**VI**	**14 21 48 48.4**	**34.24N**	**101.54E**	**15**	**3.4L**		**¶97vi2180**

SEISMIC REGION 28.
ALMA-ATA TO LAKE BAIKAL.

(326) Central Russia.

ISC	**II**	**20 07 04 02**±6.4	**53.9N**±.31	**87.7E**±.23	**23**±48	**3.7b**	**6**	**2-86**
EIDC	II	20 07 04 00.4	53.9N	87.5E	0	3.8b,3.4L		**¶97ii2891**
NEIC	II	20 07 04 03.2	53.88N	87.65E	33	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**10 13 28 40**±4.6	**54.6N**±.16	**88.8E**±.20	**17**±35	**3.7b**	**9**	**2-87**
NEIC	III	10 13 28 38.6	54.57N	88.80E	10	3.5b		**¶97iii2218**
EIDC	III	10 13 28 39.0	54.3N	88.6E	0	3.7b,3.9L		
NEIC	Less reliable solution.							
ISC	**III**	**26 01 31 35**±1.1	**51.2N**±.14	**90.2E**±.35	**33**	**3.6b**	**8**	**4-84**
EIDC	III	26 01 31 32.5	49.5N	87.1E	0	3.7b,4.3L		**¶97iii4823**
NEIC	III	26 01 31 34.7	49.93N	87.78E	33	3.4b		
NEIC	Poor solution.							
ISC	**VI**	**04 08 19 46**±1.4	**51.2N**±.35	**89.6E**±.88	**33**	**3.6b**	**5**	**4-84**
EIDC	VI	04 08 19 42.6	51.2N	89.3E	0	3.7b,3.4L		**¶97vi0581**

(327) Lake Baikal region.

ISC	**I**	**29 08 00 06**±2.9	**54.0N**±.34	**103.0E**±.28	**10**	**3.7b**	**6**	**8-50**
NEIC	I	29 08 00 05.6	54.01N	102.98E	10			**¶97i4320**
EIDC	I	29 08 00 08.9	53.7N	103.2E	32	3.6b,3.6L		
NEIC	Poor solution.							
ISC	**III**	**16 13 18 40**±2.9	**53.4N**±.33	**106.3E**±.29	**53**	3.2b	**5**	**7-60**
EIDC	III	16 13 18 41.1	53.1N	106.5E	53	3.7L,2.9b		**¶97iii3230**
ISC	**III**	**25 08 44 24**±4.2	**52.1N**±.10	**106.0E**±.25	**26**±36	**3.6b**	**7**	**4-79**
EIDC	III	25 08 44 21.1	52.2N	105.2E	0	3.8L,3.6b		**¶97iii4699**
NEIC	III	25 08 44 21.4	51.97N	106.10E	10			
NEIC	Less reliable solution.							
ISC	**IV**	**13 18 04 13.0**±.19	**55.92N**±.031	**109.14E**±.054	**10**	**4.7b,4.3s**	**122**	**0-149**
BJI	IV	13 18 04 11.5	55.98N	109.41E	10	4.4b,4.4s		**¶97iv2279**
EIDC	IV	13 18 04 12.5	55.9N	109.3E	0	4.5b,4.5L		
MOS	IV	13 18 04 12.7	55.9N	109.2E	10	4.9b,4.2s		
NEIC	IV	13 18 04 12.8	55.95N	109.10E	10	4.8b,4.6s		
MOS	Felt I=V MSK at Severo Baykalskoye, Nizhneangarsk ;I=II at Yelantsy, Tyrgan.							

(328) East of Lake Baikal.

ISC	**I**	**03 05 11 38.0**±.84	**56.2N**±.11	**114.9E**±.24	**10**	**3.9b**	**9**	**4-56**
NEIC	I	03 05 11 38.0	56.22N	114.88E	10			**¶97i0324**
EIDC	I	03 05 11 42.1	56.2N	114.6E	26	3.7b,4.0L		
NEIC	Single network solution.							
ISC	**II**	**08 04 30 09**±1.0	**56.20N**±.086	**113.1E**±.26	**33**		**6**	**3-17**
EIDC	II	08 04 30 07.0	56.2N	113.0E	0	3.7L		**¶97ii1093**

(329) Eastern Kazakhstan.

ISC	**II**	**10 07 01 00**±1.0	**47.5N**±.13	**81.0E**±.21	**10**	**3.8b**	**14**	**6-82**
EIDC	II	10 07 01 00.3	47.2N	80.8E	0	3.9b,4.7L		**¶97ii1427**
NEIC	II	10 07 01 00.6	47.44N	80.89E	10			
BJI	II	10 07 01 00.7	47.10N	81.50E	15	3.6L		
NEIC	Less reliable solution.							

(330) Alma-Ata region.

EIDC	**II**	**28 17 51 14.1**	**42.4N**	**77.4E**	**0**	**3.6b**		**38-84**
								¶97ii4303
EIDC	**II**	**28 23 37 30.3**	**44.0N**	**78.2E**	**0**	**3.7b**,4.4L		**11-84**
								¶97ii4363

(331) Kazakhstan-Xinjiang border region.

BJI	**I**	**18 02 48 30.0**	**48.91N**	**86.02E**	**5**	**3.8L**		**¶97i2587**
ISC	**IV**	**17 01 29 25**±1.7	**47.70N**±.040	**82.89E**±.052	**20**±14	**4.3b,3.9s**	**76**	**5-89**
BJI	IV	17 01 29 24.7	47.65N	82.99E	16	4.4L,4.5b		**¶97iv2831**
MOS	IV	17 01 29 26.3	47.7N	83.0E	33	4.6b,4.1s		
NEIC	IV	17 01 29 26.5	47.68N	82.94E	33	4.4b		
EIDC	IV	17 01 29 28.2	47.7N	83.1E	34	4.1b,3.8s		
BJI	Ms4.4							

(332) Northern Xinjiang Province.

ISC	**I**	**11 09 16 55.3**±.62	**42.7N**±.12	**83.4E**±.11	**10**	**3.8b**	**18**	**3-81**
NEIC	I	11 09 16 57.1	42.73N	83.42E	23	4.3b		**¶97i1499**
EIDC	I	11 09 16 58.1	42.8N	83.6E	22	3.6b		
BJI	I	11 09 16 58.4	41.86N	83.97E	10	3.8L		
NEIC	Less reliable solution.							
ISC	**I**	**23 07 05 21.4**±.85	**43.0N**±.11	**88.0E**±.28	**25**	**3.7b**	**9**	**1-79**
NEIC	I	23 07 05 21.2	43.01N	87.96E	25	3.3b		**¶97i3451**
EIDC	I	23 07 05 22.1	42.9N	87.8E	19	3.6b		
BJI	I	23 07 05 23.4	43.07N	88.24E	26	3.9L		
NEIC	Poor solution.							
ISC	**I**	**24 02 38 07.9**±.94	**42.5N**±.13	**85.7E**±.16	**13**	**3.9b**	**10**	**2-79**
EIDC	I	24 02 38 07.3	42.4N	85.8E	0	3.8b,4.0L		**¶97i3584**
NEIC	I	24 02 38 10.9	42.57N	85.80E	33	3.4b		
BJI	I	24 02 38 12.4	42.46N	85.86E	13	3.7L		
NEIC	Poor solution.							
ISC	**II**	**08 17 12 09.1**±.45	**42.33N**±.060	**87.07E**±.090	**10**	**4.1b**	**34**	**2-89**
NEIC	II	08 17 12 09.1	42.34N	86.99E	10	4.6b		**¶97ii1176**
EIDC	II	08 17 12 11.3	42.3N	87.0E	11	3.8b		
BJI	II	08 17 12 12.9	42.28N	87.24E	10	4.1L		
MOS	II	08 17 12 13.8	42.5N	86.4E	33	4.9b		
NEIC	Less reliable solution.							
EIDC	**II**	**18 10 57 08.4**	**47.0N**	**88.3E**	**0**	3.2b,4.1L		**7-69**
								¶97ii2632
BJI	**III**	**14 03 04 39.7**	**42.00N**	**83.89E**	**8**	**3.3L**		**¶97iii2804**
ISC	**IV**	**27 14 39 53**±1.0	**43.8N**±.11	**85.0E**±.21	**27**	**3.5b**	**9**	**2-81**
NEIC	IV	27 14 39 54.3	43.83N	85.21E	33			**¶97iv4750**
BJI	IV	27 14 39 56.2	43.79N	85.56E	27	3.7L		
EIDC	IV	27 14 39 59.8	43.7N	85.4E	63	3.3b,3.3s		
NEIC	Poor solution.							
ISC	**V**	**27 01 56 25.5**±.25	**42.56N**±.043	**86.14E**±.046	**25**	**4.4b,3.9s**	**85**	**2-148**
NEIC	V	27 01 56 24.8	42.62N	86.16E	22	4.9b		**¶97v4500**
BJI	V	27 01 56 26.1	42.52N	86.25E	25	5.2L,4.6b		
EIDC	V	27 01 56 26.3	42.5N	86.2E	23	4.3b,4.4L		
MOS	V	27 01 56 27.1	42.6N	86.2E	33	5.2b		
BJI	Ms4.1							
ISC	**VI**	**04 12 16 30.6**±.87	**43.13N**±.049	**84.13E**±.044	**47**±9.3	**4.3b,3.7s**	**86**	**3-91**
NEIC	VI	04 12 16 28.8	43.16N	84.10E	33	4.7b		**¶97vi0610**
BJI	VI	04 12 16 29.4	43.32N	84.19E	31	4.3b,4.3s		
EIDC	VI	04 12 16 30.4	43.0N	84.1E	35	4.0b,3.1s		
MOS	VI	04 12 16 32.8	43.7N	84.0E	33	4.8b		
BJI	**VI**	**09 02 14 53.3**	**43.78N**	**87.92E**	**24**	**3.4L**		**¶97vi1315**

(333) USSR-Mongolia border region.

ISC	**VI**	**18 08 49 22**±2.3	**51.18N**±.044	**98.07E**±.053	**7**±15	**4.2b,3.8s**	**77**	**2-98**
BJI	VI	18 08 49 22.7	51.34N	98.00E	27	4.3b,4.6s		**¶97vi2760**
NEIC	VI	18 08 49 24.1	51.17N	98.22E	27	4.7b		
MOS	VI	18 08 49 24.9	51.2N	98.0E	33	4.9b,4.3s		
EIDC	VI	18 08 49 25.8	51.2N	98.4E	24	3.9b,4.2L		
MOS	Felt I=II MSK at Talaya.							

(334) Mongolia.

ISC	**I**	**24 03 18 40**±1.4	**47.6N**±.18	**106.0E**±.45	**33**	**3.5b**	**6**	**24-75**
EIDC	I	24 03 18 37.3	47.6N	106.2E	0	3.5b		**¶97i3588**
BJI	**V**	**02 10 35 25.8**	**46.11N**	**100.30E**	**15**	**4.4L,3.9s**		**¶97v0251**
ISC	**V**	**14 18 11 28.0**±.89	**47.10N**±.050	**93.01E**±.061	**40**±9.0	**4.1b,3.7s**	**72**	**5-149**
MOS	V	14 18 11 27.0	47.0N	93.0E	33	4.9b,4.0s		**¶97v2496**
NEIC	V	14 18 11 27.0	47.05N	92.90E	33	4.6b,4.1s		
BJI	V	14 18 11 28.4	46.95N	92.94E	20	4.9L,3.9s		
EIDC	V	14 18 11 30.4	47.0N	93.0E	50	3.8b,3.5s		

SEISMIC REGION 29.
WESTERN ASIA.

(336) Western Kazakhstan.

EIDC	**I**	**11 01 02 28.7**	**43.0N**	**52.0E**	**0**	**3.8b**,3.2L		**7-32**
								¶97i1444
ISC	**II**	**19 07 09 57**±1.0	**45.3N**±.18	**55.3E**±.16	**33**	3.4b	**6**	**8-72**
EIDC	II	19 07 09 55.5	45.4N	55.4E	0	3.4b,4.0L		**¶97ii2744**
NEIC	II	19 07 09 57.3	45.33N	55.35E	33	3.3b		
NEIC	Less reliable solution.							
EIDC	**IV**	**06 21 42 10.0**	**46.4N**	**54.1E**	**0**	**3.5b**		**22-71**
								¶97iv1061

(337) Eastern Caucasus.

ISC	**I**	**29 06 43 43**±4.0	**42.6N**±.29	**47.9E**±.42	**80**	**3.6b**	**6**	**2-28**
EIDC	I	29 06 43 32.6	41.1N	48.1E	80	3.7b		**¶97i4313**
ISC	**II**	**06 16 03 45.3**±.86	**43.0N**±.10	**47.2E**±.10	**36**±9.0	**3.7b**	**19**	**0-72**
NEIC	II	06 16 03 41.1	42.93N	47.23E	10			**¶97ii0869**
MOS	II	06 16 03 42.8	43.1N	47.1E	10	4.0b		
EIDC	II	06 16 03 43.3	42.9N	47.1E	11	3.7b,4.0L		
NEIC	Less reliable solution.							
ISC	**II**	**16 10 57 30**±2.2	**42.0N**±.24	**46.0E**±.22	**33**	**3.3b**	**6**	**1-44**
EIDC	II	16 10 57 34.1	43.0N	46.2E	0	3.4b,3.1L		**¶97ii2366**
ISC	**III**	**05 16 58 42.4**±.79	**40.93N**±.040	**49.45E**±.035	**64**±7.5	**4.8b**	**212**	**3-135**
EIDC	III	05 16 58 35.8	40.9N	49.4E	0	4.7b,4.1s		**¶97iii1102**
NEIC	III	05 16 58 38.9	40.92N	49.51E	33	4.8b		
BJI	III	05 16 58 39.0	40.94N	49.40E	33	4.7b,4.6s		
MOS	III	05 16 58 43.0	40.8N	49.4E	71	4.8b		
ISC	**VI**	**28 06 45 01.6**±.75	**41.77N**±.060	**48.22E**±.072	**60**±8.6	**4.1b**	**38**	**1-75**
EIDC	VI	28 06 44 58.3	41.6N	48.2E	21	4.0b,4.3L		**¶97vi4438**
NEIC	VI	28 06 45 01.0	41.80N	48.20E	54	4.3b		
BJI	VI	28 06 45 01.1	41.71N	48.15E	64	4.4b		
MOS	VI	28 06 45 01.5	41.8N	48.3E	61	4.4b		

(338) Caspian Sea.

ISC	**I**	**28 10 56 54.7**±.39	**42.51N**±.052	**48.56E**±.061	**33**±1.3*	**4.3b**	**53**	**1-83**
NEIC	I	28 10 56 53.7	42.39N	48.49E	33	4.6b		**¶97i4202**
MOS	I	28 10 56 54.4	42.4N	48.7E	33	4.7b		
EIDC	I	28 10 56 55.8	42.4N	48.4E	34	4.0b,5.0L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**30 03 46 27**±8.5	**40.0N**±.21	**51.9E**±.32	**20**±56	**3.7b**	**9**	**8-46**
EIDC	IV	30 03 46 26.7	40.0N	51.9E	0	3.8b,3.9L		¶97iv5160
NEIC	IV	30 03 46 28.9	39.99N	51.91E	33	3.5b		
NEIC	Poor solution.							
ISC	**V**	**07 16 16 46.0**±.54	**40.35N**±.029	**51.65E**±.023	**44**±5.4	**5.2b,4.7s**	**374**	**1-137**
MOS	V	07 16 16 44.9	40.5N	51.7E	31	5.6b,4.6s		¶97v1122
BJI	V	07 16 16 45.9	40.32N	51.48E	59	5.4b,5.0s		
NEIC	V	07 16 16 46.4	40.34N	51.63E	51	5.4b		
EIDC	V	07 16 16 47.1	40.3N	51.6E	41	4.8b,3.9s		
HRVD	V	07 16 16 51.6±.4	40.46N±.04	51.79E±.06	63±3.6			
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s28,c34; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.32±.28; $M_{\theta\theta}$5.41±.44; $M_{\phi\phi}$0.92±.45; $M_{r\theta}$−0.83±.56; $M_{r\phi}$2.05±.76; $M_{\theta\phi}$−5.32±.51. Principal Axes: T 9.15,Plg7°,Azm214°; N −2.25, Plg16°,Azm306°; P −6.90,Plg73°,Azm102°. Best double couple: $M_0$8.0×10^{16}Nm, NP1: ϕ_S287°,δ41°,λ−115°. NP2:ϕ_S138°,δ54°,λ−70°.

ISC	**VI**	**07 22 01 10**±1.6	**40.34N**±.095	**51.4E**±.15	**100**±12	**3.6b**	**26**	**1-98**
EIDC	VI	07 22 01 00.1	40.2N	51.3E	0	3.8b,4.3L		¶97vi1150
NEIC	VI	07 22 01 03.4	40.19N	51.32E	33			
MOS	VI	07 22 01 03.7	40.2N	52.2E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**22 00 46 34**±2.0	**39.6N**±.10	**49.3E**±.14	**33**±19	**3.8b**	**18**	**3-77**
NEIC	VI	22 00 46 33.8	39.55N	49.27E	33	3.8b		¶97vi3299
EIDC	VI	22 00 46 35.6	39.5N	49.3E	30	3.7b,3.6L		
NEIC	Less reliable solution.							
EIDC	**VI**	**27 07 35 39.0**	**43.0N**	**49.7E**	**0**	**4.1b**,3.8L		**4-100**
								¶97vi4254

(339) Uzbekistan.

ISC	**IV**	**12 06 36 11**±3.6	**40.45N**±.065	**63.34E**±.062	**12**±23	**4.2b,3.0s**	**47**	**5-145**
BJI	IV	12 06 36 12.7	40.31N	63.15E	31	4.5b		¶97iv2018
MOS	IV	12 06 36 13.6	40.4N	63.4E	33	4.5b		
NEIC	IV	12 06 36 14.1	40.46N	63.34E	33	4.1b		
EIDC	IV	12 06 36 17.9	40.6N	63.4E	43	3.9b,4.6L		

(340) Turkmeniya.

ISC	**I**	**11 13 32 33.5**±.76	**39.5N**±.13	**54.41E**±.072	**33**	**3.9b**,4.2s	**33**	**1-78**
EIDC	I	11 13 32 30.5	39.5N	54.5E	0	3.9b,4.2L		¶97i1526
BJI	I	11 13 32 31.2	39.03N	54.81E	18	4.5b		
NEIC	I	11 13 32 33.5	39.55N	54.42E	33	3.7b		
MOS	I	11 13 32 33.6	39.6N	54.5E	33	4.4b		
NEIC	Less reliable solution.							

(341) Iran-USSR border region.

ISC	**II**	**04 09 53 56.2**±.17	**37.66N**±.036	**57.32E**±.023	**10**	**5.2b,5.4s**	**426**	**2-149**
NEIC	II	04 09 53 55.7	37.56N	57.30E	10	5.3b,5.5s		¶97ii0499
EIDC	II	04 09 53 56.1	37.7N	57.3E	0	5.0b,4.9s		
BJI	II	04 09 53 56.2	37.92N	57.34E	8	5.5b,5.6s		
MOS	II	04 09 53 56.7	37.8N	57.3E	10	5.9b,5.2s		
HRVD	II	04 09 54 00.5±.3	37.99N±.04	57.54E±.04	15			
NEIC	Mw5.5(GS), Mw5.5(HRV)							
NEIC	Felt at Bojnurd and in many parts of northeastern Iran.							

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}−0.01; $M_{\theta\theta}$−0.80; $M_{\phi\phi}$0.81; $M_{r\theta}$−0.17; $M_{r\phi}$0.57; $M_{\theta\phi}$1.61. Depth 10km; Principal axes: T 1.89,Plg12°,Azm300°; N 0.01,Plg72°, Azm170°; P −1.91,Plg13°,Azm33°. Best double couple: $M_0$1.9×10^{17}Nm; NP1:ϕ_S77°,δ72°, λ−1°. NP2:ϕ_S167°,δ89°,λ−162°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c43; Half duration: 1s3. Moment tensor: Scale 10^{17}Nm; M_{rr}0.31±.04; $M_{\theta\theta}$−0.92±.06; $M_{\phi\phi}$0.61±.04; $M_{r\theta}$0.14±.20; $M_{r\phi}$0.79±.11; $M_{\theta\phi}$1.29±.05. Principal Axes: T 1.75,Plg28°,Azm297°; N −0.05, Plg61°,Azm137°; P −1.70,Plg9°,Azm32°. Best double couple: $M_0$1.7×10^{17}Nm, NP1:ϕ_S78°, δ64°,λ15°. NP2:ϕ_S342°,δ77°,λ153°.

ISC	**II**	**04 10 37 51.2**±.84	**37.74N**±.030	**57.29E**±.023	**36**±7.9	**5.8b,6.6s**	**609**	**2-149**
EIDC	II	04 10 37 46.0	37.5N	57.3E	0	5.3b,6.6s		¶97ii0507
BJI	II	04 10 37 46.6	37.69N	57.20E	10	6.0b,7.2s		
NEIC	II	04 10 37 47.1	37.66N	57.29E	10	5.9b,6.8s		
MOS	II	04 10 37 47.9	37.7N	57.2E	10	6.4b,6.6s		
HRVD	II	04 10 37 52.5±.1	37.82N±.01	57.50E±.01	15			
NEIC	Me7.1(GS), Mw6.5(GS)							
NEIC	Radiated energy from the USGS moment tensor solution: 1.1±0.4×10^{15}Nm/13							

NEIC Moment tensor solution: s23, scale 10^{18}Nm; M_{rr}0.91; $M_{\theta\theta}$−6.41; $M_{\phi\phi}$5.46; $M_{r\theta}$−0.23; $M_{r\phi}$−0.33; $M_{\theta\phi}$1.64. Depth 11km; Principal axes: T 5.71,Plg4°,Azm98°; N 0.92,Plg86°, Azm259°; P −6.63,Plg1°,Azm8°. Best double couple: $M_0$6.2×10^{18}Nm; NP1:ϕ_S143°,δ86°, λ178°. NP2:ϕ_S233°,δ88°,λ4°.

NEIC Mw 6.5 (HRV), 6.4 (OBN). About 100 people killed, nearly 2,000 injured, about 5,500 houses destroyed and 11,000 houses damaged in the Bojnurd-Shirvan area, Iran. Damage estimated at more than 30 million U.S. dollars. Felt in many parts of northeastern Iran, including Esfarayen, Mashhad, Neyshabur, Quchan and Sabzevar. Depth from synthetics of broadband displacement seismograms.

MOS Focal mechanism: C30,D7; NP1:ϕ_S245°,δ75,λ6°. NP1:ϕ_S154°,δ85°,λ164°. Principal axes: T Plg15°,Azm108°; N Plg74°, Azm315°; P Plg7°, Azm200° M_0 5.2×10^{18} Nm.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s59,c135; Mantle waves: s53,c106; Half duration: 4s5. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.18±.03; $M_{\theta\theta}$−5.87±.03; $M_{\phi\phi}$6.05±.03; $M_{r\theta}$1.49±.16; $M_{r\phi}$−0.29±.16; $M_{\theta\phi}$2.71±.03. Principal Axes: T 6.64,Plg0°,Azm282°; N 0.17,Plg77°,Azm14°; P −6.81,Plg13°,Azm192°. Best double couple: $M_0$6.7×10^{18}Nm, NP1:ϕ_S328°,δ81°,λ−171°. NP2:ϕ_S236°,δ81°,λ−9°.

CSEM Mw6.8. M_0=1.7±0.9×10^{19}Nm. Fault plane solution. NP1:ϕ_S243°,δ69°,λ9°. NP2:ϕ_S150°,δ82°, λ159°. Principal axes: T Plg21°,Azm105°; N Plg67°,Azm309°; P Plg9°,Azm198°

ISC	**II**	**04 10 52 37**±1.3	**37.9N**±.25	**57.1E**±.14	**10**	**4.0b**	**11**	**12-80**
NEIC	II	04 10 52 37.1	37.94N	57.11E	10			¶97ii0508
EIDC	II	04 10 52 38.5	38.0N	57.1E	0	4.0b		
NEIC	Poor solution.							
ISC	**II**	**04 12 34 55.8**±.53	**37.61N**±.086	**57.31E**±.067	**10**	**4.0b**,4.8s	**26**	**9-80**
MOS	II	04 12 34 55.2	37.5N	57.0E	10	4.7b		¶97ii0521
NEIC	II	04 12 34 56.7	37.78N	57.27E	10	4.9b		
EIDC	II	04 12 34 58.7	38.2N	57.1E	0	3.9b,4.4L		
BJI	II	04 12 34 59.4	37.79N	57.70E	5	4.8b,4.9s		
NEIC	Less reliable solution.							
NEIC	Felt at Bojnurd, Iran.							
ISC	**II**	**04 14 46 56.4**±.60	**38.1N**±.11	**57.96E**±.080	**10**	**4.0b**	**29**	**9-94**
EIDC	II	04 14 46 56.6	38.2N	57.9E	0	4.1b,4.7L		¶97ii0549
NEIC	II	04 14 46 56.8	38.25N	57.96E	10	4.2b		
MOS	II	04 14 46 58.1	38.4N	57.9E	10	4.9b		
BJI	II	04 14 47 00.6	37.35N	58.65E	5	4.5b,4.2s		
NEIC	Less reliable solution.							
NEIC	Felt at Bojnurd, Iran.							
ISC	**II**	**04 21 04 09.9**±.42	**37.91N**±.070	**57.16E**±.055	**10**	**4.0b**,4.1s	**55**	**1-80**
EIDC	II	04 21 04 09.3	37.8N	57.1E	0	3.9b,4.6L		¶97ii0596
NEIC	II	04 21 04 09.5	37.86N	57.12E	10	4.2b		
MOS	II	04 21 04 09.6	37.8N	57.1E	10	4.7b		
BJI	II	04 21 04 11.9	38.14N	57.61E	5	4.6b,4.6s		
NEIC	Less reliable solution.							
NEIC	Felt at Bojnurd, Iran.							
ISC	**II**	**05 07 53 45.9**±.18	**37.57N**±.038	**57.52E**±.025	**10**	**5.0b,4.9s**	**288**	**2-140**
EIDC	II	05 07 53 44.7	37.5N	57.4E	0	4.8b,4.8s		¶97ii0652
BJI	II	05 07 53 45.4	37.83N	57.46E	6	5.2b,5.3s		
NEIC	II	05 07 53 45.6	37.63N	57.59E	10	5.2b,5.0s		
MOS	II	05 07 53 45.7	37.6N	57.5E	10	5.4b,5.1s		
HRVD	II	05 07 53 48.4±.6	37.84N±.06	57.58E±.06	15			
NEIC	Mw5.2(HRV)							
NEIC	Felt at Bojnurd, Iran.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c31; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}1.42±.34; $M_{\theta\theta}$1.12±.50; $M_{\phi\phi}$−2.54±.31; $M_{r\theta}$−1.55±1.36; $M_{r\phi}$0.97±1.20; $M_{\theta\phi}$7.37±.32. Principal Axes: T 6.96,Plg7°,Azm143°; N 1.64, Plg78°,Azm267°; P −8.60,Plg10°,Azm52°. Best double couple: $M_0$7.8×10^{16}Nm, NP1: ϕ_S187°,δ78°,λ−178°. NP2:ϕ_S97°,δ88°,λ−12°.

ISC	**II**	**06 20 47 49**±1.0	**37.7N**±.14	**57.2E**±.16	**10**	**3.5b,**3.2s	**10**	**2-80**
MOS	II	06 20 47 45.7	37.3N	57.1E	10	4.8b		¶97ii0905
NEIC	II	06 20 47 48.8	37.95N	57.10E	10			
EIDC	II	06 20 47 49.5	38.0N	57.2E	0	3.5b,3.1s		
NEIC	Poor solution.							
ISC	**II**	**06 21 20 38.7**±.67	**37.8N**±.11	**57.27E**±.076	**10**	**3.9b,**3.5s	**29**	**2-80**
NEIC	II	06 21 20 38.4	37.74N	57.38E	10	3.6b		¶97ii0908
EIDC	II	06 21 20 38.8	38.0N	57.2E	0	3.8b,4.2L		
MOS	II	06 21 20 39.0	37.9N	57.3E	10	4.5b		
NEIC	Less reliable solution.							
ISC	**II**	**18 18 01 35.7**±.44	**37.84N**±.068	**57.42E**±.055	**10**	**4.2b,**4.2s	**56**	**1-80**
NEIC	II	18 18 01 34.9	37.68N	57.35E	10	4.5b		¶97ii2675
EIDC	II	18 18 01 35.2	37.7N	57.2E	0	4.2b,4.5L		
MOS	II	18 18 01 39.1	38.0N	57.7E	33	4.7b		
BJI	II	18 18 01 44.6	38.06N	58.46E	5	4.6b,4.9s		
NEIC	Less reliable solution.							
ISC	**II**	**23 18 51 52.9**±.88	**38.0N**±.14	**57.27E**±.062	**10**	**4.1b,3.7s**	**39**	**10-80**
EIDC	II	23 18 51 46.2	36.9N	56.8E	0	4.2b,3.8s		¶97ii3360
NEIC	II	23 18 51 51.0	37.62N	57.34E	10	4.4b		
MOS	II	23 18 51 51.9	37.8N	57.5E	10	4.7b		
BJI	II	23 18 51 54.5	38.35N	57.36E	10	4.0b,4.6s		
NEIC	Less reliable solution.							
ISC	**III**	**03 13 01 36.5**±.43	**37.61N**±.066	**57.30E**±.068	**10**	**4.1b,**4.3s	**47**	**2-92**
MOS	III	03 13 01 35.8	37.5N	57.2E	10	4.5b		¶97iii0580
NEIC	III	03 13 01 36.4	37.60N	57.35E	10	4.1b		
EIDC	III	03 13 01 36.7	37.7N	57.2E	0	4.1b,4.6L		
BJI	III	03 13 01 41.4	36.95N	58.42E	5	4.6b		
NEIC	Less reliable solution.							
NEIC	Additional damage in the Bojnurd area, Iran.							
ISC	**IV**	**05 18 44 13**±1.0	**37.5N**±.15	**57.21E**±.090	**33**	**3.6b,**3.6s	**22**	**1-80**
EIDC	IV	05 18 44 10.8	37.6N	57.3E	0	3.6b,3.6s		¶97iv0826
MOS	IV	05 18 44 11.3	37.2N	57.0E	33	4.8b		
BJI	IV	05 18 44 13.9	37.60N	57.30E	33	4.9b		
NEIC	IV	05 18 44 13.9	37.58N	57.35E	33	4.6b		
NEIC	Less reliable solution.							
NEIC	Several houses destroyed at Bojnurd, Iran. Felt at Shirvan, Iran.							
ISC	**IV**	**17 08 10 37**±1.0	**37.1N**±.15	**57.6E**±.19	**33**	**3.6b**	**10**	**13-81**
EIDC	IV	17 08 10 34.3	37.1N	57.5E	0	3.7b,4.3L		¶97iv2870
NEIC	IV	17 08 10 37.4	37.11N	57.62E	33	3.2b		
NEIC	Less reliable solution.							

(344) North-Western Iran-USSR border region.

ISC	**II**	**13 00 47 39**±1.3	**38.69N**±.067	**48.8E**±.13	**65**±12	**3.9b**	**26**	**2-78**
NEIC	II	13 00 47 36.9	38.63N	48.76E	50	3.6b		¶97ii1847
MOS	II	13 00 47 38.1	38.8N	49.1E	50	4.0b		
EIDC	II	13 00 47 41.5	38.6N	48.7E	75	3.8b		
TAB	Felt Ardabil region							
ISC	**II**	**28 12 57 22.8**±.47	**38.09N**±.024	**48.04E**±.021	**39**±4.6	**5.5b,6.1s**	**589**	**1-154**
MOS	II	28 12 57 18.1	38.0N	48.1E	10	6.1b,5.8s		¶97ii4253
BJI	II	28 12 57 18.6	38.36N	48.05E	8	5.4b,6.4s		
NEIC	II	28 12 57 18.6	38.08N	48.05E	10	5.5b,6.1s		
RYD	II	28 12 57 22.5	38.1N	47.8E	33	5.8D		
HRVD	II	28 12 57 24.0±.1	38.30N±.01	48.06E±.01	15			
EIDC	II	28 12 57 25.2	38.1N	48.0E	47	5.0b,6.0s		
NEIC	Mw6.1(HRV), Mw6.0(GS)							

NEIC At least 1,100 people killed, 2,600 injured, 36,000 homeless, 12,000 houses damaged or destroyed and 160,000 livestock killed in the Ardabil region of northwestern Iran. Severe damage to roads, electrical power lines, communications and water distribution systems in that area.

NEIC Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}1.44; $M_{\theta\theta}$−0.50; $M_{\phi\phi}$−0.94; $M_{r\theta}$2.28; $M_{r\phi}$−2.65; $M_{\theta\phi}$−9.23. Depth 23km; Principal axes: T 9.94,Plg22°,Azm45°; N 0.02,Plg68°, Azm220°; P −9.96,Plg2°,Azm314°. Best double couple: $M_0$1.0×10^{18}Nm; NP1:ϕ_S87°,δ73°, λ165°. NP2:ϕ_S182°,δ76°,λ17°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c91; Mantle waves: s40,c60; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.30±.01; $M_{\theta\theta}$−0.29±.01; $M_{\phi\phi}$0.59±.01; $M_{r\theta}$1.01±.06; $M_{r\phi}$0.26±.06; $M_{\theta\phi}$−1.30±.01. Principal Axes: T 1.62,Plg13°,Azm50°; N 0.24,Plg54°,Azm301°; P −1.85,Plg33°,Azm149°. Best double couple: $M_0$1.7×10^{18}Nm, NP1:ϕ_S184°,δ57°,λ−15°. NP2:ϕ_S283°,δ77°,λ−146°.

TAB	Felt at Tabriz							
ISC	**IV**	**08 05 44 14**±1.2	**38.1N**±.17	**48.1E**±.13	**10**	**3.6b**	**10**	**1-79**
NEIC	IV	08 05 44 13.8	38.15N	48.10E	10	4.2b		¶97iv1280
EIDC	IV	08 05 44 14.1	38.1N	48.0E	0	3.5b,4.0L		
NEIC	Less reliable solution.							
ISC	**IV**	**20 18 04 31**±1.3	**38.4N**±.17	**48.1E**±.16	**33**	**3.7b**	**7**	**1-48**
EIDC	IV	20 18 04 28.1	38.4N	48.0E	0	3.8b,4.7L		¶97iv3346
ISC	**IV**	**26 05 42 15.1**±.76	**38.9N**±.12	**45.6E**±.20	**10**	**3.6b**	**11**	**1-78**
NEIC	IV	26 05 42 14.7	38.90N	45.61E	10			¶97iv4473
EIDC	IV	26 05 42 15.8	38.9N	45.5E	0	3.6b,3.0L		
NEIC	Less reliable solution.							
ISC	**V**	**10 17 57 25**±1.0	**39.9N**±.10	**46.4E**±.13	**33**	**3.7b**	**14**	**2-64**
EIDC	V	10 17 57 14.6	39.8N	48.2E	0	3.8b,4.4L		¶97v1638
MOS	V	10 17 57 25.4	39.9N	46.5E	33	4.0b		
ISC	**V**	**14 01 21 57**±3.5	**38.3N**±.14	**45.2E**±.11	**24**±31	**3.6b**	**13**	**1-51**
NEIC	V	14 01 21 57.7	38.28N	45.19E	33			¶97v2363
EIDC	V	14 01 22 05.2	38.8N	45.5E	76	3.4b,3.5L		
NEIC	Less reliable solution.							
NEIC	Felt at Tasuj, Iran.							
ISC	**V**	**28 05 04 21.7**±.94	**38.73N**±.063	**48.51E**±.073	**69**±9.2	**3.9b**	**48**	**2-78**
EIDC	V	28 05 04 14.4	38.7N	48.6E	0	3.9b,2.9s		¶97v4660
NEIC	V	28 05 04 17.2	38.73N	48.72E	33	4.0b		
BJI	V	28 05 04 18.8	38.60N	48.14E	59	4.7b		

MOS	V	28 05 04 19.4	38.8N	48.6E	33	4.8b	

NEIC Felt at Ardebil and Astara, Iran.

(345) North-Western Iran.

ISC	**II**	**28 13 56 04**±1.0	**38.22N**±.069	**47.93E**±.082	**47**±10	**4.2b,**4.7s	**45**	**1-79**
NEIC	II	28 13 55 57.1	37.83N	47.87E	10	4.5b		**¶97ii4265**
MOS	II	28 13 55 57.5	38.0N	48.0E	10	4.9b		
EIDC	II	28 13 55 57.8	37.8N	47.8E	0	4.2b,3.5L		
BJI	II	28 13 55 58.6	38.13N	47.88E	7	4.8b		

NEIC Less reliable solution.
NEIC Felt in the Ardabil region.

ISC	**II**	**28 20 55 14.7**±.96	**38.09N**±.064	**47.92E**±.088	**41**±11	**3.8b**	**32**	**1-79**
BJI	II	28 20 55 08.5	37.91N	47.67E	5	4.5b		**¶97ii4336**
MOS	II	28 20 55 08.7	37.6N	47.9E	10	4.9b		
NEIC	II	28 20 55 09.7	37.92N	47.99E	10	4.2b		
EIDC	II	28 20 55 15.4	37.9N	48.0E	38	3.6b,2.9L		

NEIC Less reliable solution.
NEIC Felt in the Ardabil region.

ISC	**II**	**28 21 46 22**±2.1	**38.16N**±.056	**47.98E**±.070	**18**±17	**3.8b,**4.4s	**43**	**1-85**
BJI	II	28 21 46 19.5	37.11N	47.76E	26	4.6b,4.6s		**¶97ii4346**
NEIC	II	28 21 46 20.4	38.04N	47.80E	10	3.9b		
EIDC	II	28 21 46 21.3	38.0N	47.7E	0	4.0b,3.0L		
MOS	II	28 21 46 22.6	38.4N	48.2E	10	5.0b		

NEIC Less reliable solution.
NEIC Felt in the Ardabil region.

ISC	**III**	**02 18 29 48.6**±.56	**38.00N**±.033	**47.89E**±.026	**56**±5.6	**5.0b,4.8s**	**282**	**1-101**
BJI	III	02 18 29 41.7	37.80N	47.81E	9	5.1b,5.1s		**¶97iii0378**
NEIC	III	02 18 29 42.5	37.86N	47.87E	10	5.1b,4.6s		
EIDC	III	02 18 29 42.8	37.9N	47.9E	0	4.7b,4.7L		
MOS	III	02 18 29 43.5	38.0N	48.0E	10	5.2b,4.6s		
HRVD	III	02 18 29 44.6±.7	37.86N	47.87E	15			

NEIC Mw5.3(HRV). Damage.
NEIC Additional damage to buildings in the Ardabil region.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c18; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}0.80±.84; $M_{\theta\theta}$−5.96±.98; $M_{\phi\phi}$5.16±.69; $M_{r\theta}$8.67±1.62; $M_{r\phi}$−0.83±1.77; $M_{\theta\phi}$−5.12±.90. Principal Axes: T 9.9,Plg33°,Azm52°; N 2.8, Plg41°,Azm287°; P −12.7,Plg31°,Azm166°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_s200°,δ41°,λ2°. NP2:ϕ_s108°,δ89°,λ131°.

ISC	**III**	**09 04 30 42**±2.6	**37.8N**±.14	**47.9E**±.19	**33**±23	**3.6b**	**11**	**1-99**
NEIC	III	09 04 30 38.8	37.88N	48.02E	10			**¶97iii1903**
EIDC	III	09 04 30 45.7	37.9N	48.0E	51	3.5b		

NEIC Single network solution.

ISC	**III**	**21 23 00 44.1**±.79	**37.99N**±.056	**47.91E**±.044	**44**±7.7	**4.4b,**4.3s	**100**	**1-101**
NEIC	III	21 23 00 39.4	37.96N	47.91E	10	4.5b		**¶97iii4149**
MOS	III	21 23 00 39.5	37.9N	48.1E	10	5.0b		
EIDC	III	21 23 00 40.1	38.2N	48.0E	0	4.3b,4.0L		
BJI	III	21 23 00 43.3	38.59N	48.05E	10	4.6b		

NEIC Felt at Ardebil and Sarab.
TAB Felt in Sarab region

ISC	**IV**	**01 07 33 32**±2.2	**37.9N**±.16	**48.9E**±.16	**74**±22	**3.5b**	**12**	**2-79**
NEIC	IV	01 07 33 28.0	37.87N	48.91E	33	3.4b		**¶97iv0033**
EIDC	IV	01 07 33 29.5	37.9N	48.9E	28	3.7b,3.4L		

NEIC Less reliable solution.

ISC	**V**	**12 03 51 00.8**±.32	**37.94N**±.053	**48.00E**±.038	**10**	**4.6b,4.0s**	**133**	**1-133**
MOS	V	12 03 50 59.3	37.7N	48.0E	10	4.8b		**¶97v1885**
NEIC	V	12 03 50 59.8	37.93N	48.07E	10	4.6b		
BJI	V	12 03 51 01.9	37.91N	47.89E	21	4.9b,4.7s		
EIDC	V	12 03 51 09.4	37.9N	48.0E	77	4.1b,3.7s		

(346) Iran-Iraq border region.

ISC	**V**	**17 09 32 42**±2.0	**32.9N**±.22	**46.1E**±.34	**33**	**3.8b**	**6**	**2-38**
EIDC	V	17 09 32 40.4	33.0N	45.8E	0	3.8b		**¶97v2908**
ISC	**V**	**26 01 17 55.1**±.83	**32.86N**±.044	**47.01E**±.043	**44**±8.0	**4.6b**	**117**	**1-123**
BJI	V	26 01 17 52.8	31.99N	46.66E	47	4.8b		**¶97v4351**
MOS	V	26 01 17 54.0	32.9N	47.0E	33	4.9b		
NEIC	V	26 01 17 54.0	32.94N	47.04E	33	4.7b		
EIDC	V	26 01 17 56.0	33.0N	46.9E	32	4.2b,4.1L		
RYD	V	26 01 18 10.1	32.5N	47.2E	30	4.8D		

(347) Western Iran.

ISC	**II**	**10 04 27 24.5**±.42	**31.30N**±.063	**49.52E**±.082	**33**	**4.0b**	**27**	**3-96**
EIDC	II	10 04 27 22.2	31.5N	49.6E	0	4.0b		**¶97ii1410**
BJI	II	10 04 27 24.1	31.87N	49.58E	24	4.5b		
NEIC	II	10 04 27 25.3	31.50N	49.59E	33	3.8b		

NEIC Less reliable solution.

ISC	**II**	**17 04 50 45**±1.8	**31.39N**±.088	**49.83E**±.056	**67**±16	**4.4b**	**52**	**4-115**
BJI	II	17 04 50 39.4	31.27N	49.55E	35	4.6b,4.3s		**¶97ii2453**
NEIC	II	17 04 50 41.3	31.42N	49.84E	33	4.5b		
MOS	II	17 04 50 41.4	31.4N	49.9E	33	4.6b		
EIDC	II	17 04 50 45.6	31.4N	49.8E	58	4.0b,4.8L		

NEIC Felt at Izeh.

NAI	**III**	**10 08 45 48.5**	**30.3N**	**49.5E**	**10**			**¶97iii2177**
ISC	**III**	**20 06 51 30**±1.3	**32.78N**±.085	**49.1E**±.11	**67**±13	**4.1b**	**39**	**2-84**
EIDC	III	20 06 51 23.4	32.8N	49.2E	0	4.1b,3.4s		**¶97iii3858**
MOS	III	20 06 51 24.1	32.4N	49.2E	33	4.8b		
NEIC	III	20 06 51 26.0	32.74N	49.20E	33	4.5b		

NEIC Less reliable solution.

ISC	**III**	**22 15 59 28**±1.3	**32.77N**±.094	**49.10E**±.077	**69**±13	**3.9b**	**39**	**2-84**
MOS	III	22 15 59 15.2	31.0N	49.1E	33	4.6b		**¶97iii4288**
EIDC	III	22 15 59 21.4	32.7N	49.2E	0	3.8b		
NEIC	III	22 15 59 24.4	32.74N	49.10E	33	4.4b		
ISC	**IV**	**10 04 43 08**±2.4	**33.3N**±.12	**47.4E**±.15	**73**±27	**4.1b**	**23**	**5-83**
EIDC	IV	10 04 42 59.0	33.2N	48.0E	0	3.9b		**¶97iv1632**
NEIC	IV	10 04 43 02.3	33.28N	47.71E	33	4.6b		

NEIC Less reliable solution.

ISC	**V**	**31 13 42 18**±1.2	**34.47N**±.080	**47.35E**±.082	**25**±9.3	**4.1b**	**28**	**0-85**
EIDC	V	31 13 42 16.6	34.6N	47.3E	0	3.9b,3.7L		**¶97v5199**
NEIC	V	31 13 42 19.5	34.58N	47.38E	33	4.1b		

NEIC Less reliable solution.

ISC	**VI**	**02 03 54 45.8**±.96	**34.05N**±.067	**48.29E**±.037	**48**±8.6	**4.4b,3.8s**	**124**	**1-98**
MOS	VI	02 03 54 42.0	33.9N	48.3E	25	4.9b		**¶97vi0173**
NEIC	VI	02 03 54 42.9	33.96N	48.29E	27	4.7b		
BJI	VI	02 03 54 43.1	33.68N	47.87E	45	4.6b,4.6s		
EIDC	VI	02 03 54 44.3	33.9N	48.2E	26	4.1b,3.8s		

NEIC Felt in parts of Hamadan, Kermanshahan and Lorestan Provinces.

EIDC	**VI**	**23 23 16 22.1**	**31.8N**	**49.2E**	**0**	**3.6b**		**3-83**
								¶97vi3606

(348) Iran.

ISC	**II**	**05 03 53 03**±2.8	**38.0N**±.25	**56.7E**±.19	**10**	4.3b	**10**	**1-42**
MOS	II	05 03 53 00.5	37.8N	57.1E	10	4.3b		**¶97ii0636**
ISC	**II**	**08 03 28 21**±2.2	**30.93N**±.070	**56.83E**±.041	**21**±17	**4.2b,**4.1s	**70**	**4-92**
MOS	II	08 03 28 19.5	30.9N	56.9E	10	4.9b		**¶97ii1085**
BJI	II	08 03 28 22.6	31.32N	56.94E	19	4.6b		
NEIC	II	08 03 28 23.0	30.95N	56.79E	39	4.7b		
EIDC	II	08 03 28 24.9	31.0N	56.8E	38	3.9b,4.1L		
MOS	**II**	**13 04 25 02.1**	**33.5N**	**56.0E**	**33**	**4.0b**		**¶97ii1874**
ISC	**II**	**17 22 53 53**±1.0	**36.85N**±.063	**54.74E**±.055	**58**±11	**4.2b,**3.4s	**51**	**3-96**
EIDC	II	17 22 53 47.2	36.8N	54.5E	0	4.2b,4.2L		**¶97ii2562**
NEIC	II	17 22 53 50.4	36.81N	54.67E	33	4.7b		
BJI	II	17 22 53 50.7	36.85N	54.85E	25	4.7b		
MOS	II	17 22 53 52.6	37.0N	55.0E	33	4.9b		

NEIC Felt.
NEIC Felt in the Gorgan area.

ISC	**II**	**22 01 17 52**±1.7	**37.1N**±.30	**56.8E**±.20	**10**	**4.0b**	**8**	**12-80**
EIDC	II	22 01 17 52.3	37.0N	56.7E	0	4.0b,4.2L		**¶97ii3149**
NEIC	II	22 01 17 52.4	37.23N	56.90E	10			

NEIC Poor solution.

EIDC	**II**	**22 20 44 54.5**	**37.4N**	**56.7E**	**0**	**3.4b,**3.8L		**12-80**
								¶97ii3245
ISC	**II**	**23 13 22 44.5**±.86	**36.7N**±.14	**58.7E**±.12	**33**	**3.9b,**3.1s	**14**	**12-81**
EIDC	II	23 13 22 41.4	36.7N	58.9E	0	4.0b,3.1s		**¶97ii3335**
NEIC	II	23 13 22 44.4	36.71N	58.76E	33	3.5b		

NEIC Less reliable solution.
NEIC Felt at Mashhad.

ISC	**II**	**23 17 27 06**±2.4	**37.6N**±.26	**56.9E**±.10	**52**±21	**3.6b,**3.5s	**16**	**10-80**
MOS	II	23 17 26 54.4	36.5N	56.8E	10	4.6b		**¶97ii3352**
BJI	II	23 17 26 57.1	37.95N	56.55E	4	4.3b,4.6s		
NEIC	II	23 17 26 59.8	37.53N	56.59E	10	4.6b		
EIDC	II	23 17 27 00.0	37.5N	56.6E	0	3.6s,3.6b		

NEIC Poor solution.

ISC	**III**	**05 03 41 15**±3.1	**30.8N**±.23	**58.7E**±.24	**163**±26	**3.6b**	**12**	**5-87**
EIDC	III	05 03 40 56.8	30.7N	58.8E	0	3.9b		**¶97iii0974**
NEIC	III	05 03 40 59.9	30.65N	58.82E	33	3.6b		

NEIC Poor solution.

ISC	**III**	**12 08 32 00**±1.3	**37.9N**±.21	**56.8E**±.14	**33**	**3.5b**	**9**	**10-80**
EIDC	III	12 08 31 56.8	37.8N	56.8E	0	3.6b,4.0L		**¶97iii2499**
NEIC	III	12 08 32 00.2	37.94N	56.73E	33			

NEIC Poor solution.

ISC	**IV**	**19 17 36 32**±2.9	**30.5N**±.24	**56.5E**±.23	**109**±26	**3.7b**	**10**	**4-87**
NEIC	IV	19 17 36 24.0	30.50N	56.67E	33			**¶97iv3223**
EIDC	IV	19 17 36 29.5	30.3N	56.6E	74	3.5b		

NEIC Poor solution.

ISC	**IV**	**25 08 40 50.7**±.64	**37.1N**±.11	**56.82E**±.099	**10**	**3.9b**	**18**	**14-94**
EIDC	IV	25 08 40 50.9	37.1N	56.8E	0	3.9b,5.0L		**¶97iv4310**
NEIC	IV	25 08 40 51.0	37.17N	56.87E	10	4.0b		

NEIC Less reliable solution.

ISC	**V**	**01 19 12 09.2**±.92	**37.5N**±.14	**56.3E**±.13	**33**	**3.5b**	**12**	**12-80**
EIDC	V	01 19 12 05.8	37.4N	56.3E	0	3.6b,4.0L		**¶97v0141**
NEIC	V	01 19 12 09.1	37.54N	56.27E	33	4.7b		

NEIC Less reliable solution.

ISC	**V**	**10 07 57 30**±1.6	**33.88N**±.026	**59.82E**±.018	**7**±10	**6.2b,7.0s**	**725**	**4-143**
CSEM	V	10 07 57 27.6	33.78N	59.90E	15			**¶97v1549**
EIDC	V	10 07 57 29.1	33.7N	59.7E	0	5.4b,6.9s		
NEIC	V	10 07 57 29.7	33.83N	59.81E	10	6.4b,7.3s		
BJI	V	10 07 57 29.8	33.86N	59.83E	14	6.1b,7.5s		
MOS	V	10 07 57 30.2	34.0N	59.8E	10	7.0b,7.0s		
RYD	V	10 07 57 31.7	34.3N	59.46E	45			
HRVD	V	10 07 57 49.8±.1	33.58N±.01	60.02E±.01	15			

CSEM Mw6.8. M_0=1.9×10^{19}Nm. Fault plane solution NP1:ϕ_s260°,δ76°,λ12°. NP2:ϕ_s167°,δ78°, λ166°. Principal Axes: T Plg18°,Azm123°; N Plg72°,Azm309°; P Plg2°,Azm214°.
NEIC Me7.7(GS), Mw7.3(GS)
NEIC Radiated energy from the P−wave first−motion solution: 8.9±1.4×10^{15}Nm/19
NEIC Broadband fault plane solution: P waves. NP1:ϕ_s80°,δ90°,λ3°. NP2:ϕ_s350°,δ87°,λ180°. Principal axes: T Plg2°,Azm305°; P Plg2°,Azm215°.
NEIC Moment tensor solution: s24, scale 10^{19}Nm; M_{rr}−0.48; $M_{\theta\theta}$−7.40; $M_{\phi\phi}$7.87; $M_{r\theta}$0.22; $M_{r\phi}$−0.63; $M_{\theta\phi}$5.60. Depth 36km; Principal axes: T 9.74,Plg3°,Azm108°; N −0.48,Plg86°, Azm330°; P −9.25,Plg3°,Azm198°. Best double couple: $M_0$9.5×10^{19}Nm; NP1:ϕ_s243°,δ86°, λ0°. NP2:ϕ_s153°,δ90°,λ176°.
NEIC Mw 7.2 (HRV). Ms 7.2 (BRK). At least 1,567 people killed, 2,300 injured, 50,000 homeless, 10,533 houses destroyed, 5,474 houses damaged and landslides in the Birjand-Qayen area. Five people killed and some damage in the Herat area, Afghanistan. Felt in Kerman, Khorasan, Semnan, Sistan va Baluchestan and Yazd Provinces, Iran. This earthquake appears to have occurred on a southern splay of the Ferdows fault. The left-lateral, strike-slip Ferdows fault was the site of the 1968 Dasht-e-Bayaz earthquake (magnitude 7.3) which resulted in 12,000−20,000 casualties. The Ferdows fault is north of the Zagros Mountains (the latter being the northern boundary of the Arabian plate). Understanding the tectonics of the Ferdows region is complicated by indistinct boundaries of the several microplates at that collision zone.
MOS Felt I=III MSK at Ashkhabad.
MOS M_0=8.4×10^{18}Nm. Fault plane solution. NP1:ϕ_s162°,δ35°,λ30°. NP2:ϕ_s47°,δ73°,λ121°. Principal axes: T Plg10°,Azm296°; N Plg78°,Azm90°; P Plg5°,Azm205°
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c106; Mantle waves: s50,c127; Half duration: 1s0. Moment tensor: Scale 10^{19}Nm; M_{rr}0.33±.03; $M_{\theta\theta}$−5.27±.03; $M_{\phi\phi}$4.94±.03; $M_{r\theta}$0.46±.14; $M_{r\phi}$−0.80±.13; $M_{\theta\phi}$5.20±.02. Principal Axes: T 7.17,Plg5°,Azm113°; N 0.36,Plg83°,Azm341°; P −7.52,Plg5°,Azm203°. Best double couple: $M_0$7.3×10^{19}Nm, NP1:ϕ_s248°,δ83°,λ0°. NP2:ϕ_s338°,δ90°,λ−173°.

ISC	**V**	**10 08 07 13.8**±.73	**33.6N**±.14	**59.9E**±.14	**10**	**4.8b**	**15**	**35-84**
NEIC	V	10 08 07 13.7	33.65N	59.91E	10			**¶97v1550**
EIDC	V	10 08 07 14.0	33.7N	59.7E	0	4.7b		

NEIC Less reliable solution.

ISC	**V**	**10 08 10 39.6**±.79	**33.2N**±.22	**60.7E**±.17	**10**	**4.2b**	**8**	**37-90**
NEIC	V	10 08 10 39.6	33.23N	60.67E	10			**¶97v1551**
EIDC	V	10 08 10 39.6	33.3N	60.7E	0	4.2b		

NEIC Poor solution.

ISC	**V**	**10 08 21 49.4**±.62	**32.8N**±.13	**60.4E**±.13	**10**	**4.1b**	**14**	**25-90**
NEIC	V	10 08 21 49.3	32.85N	60.41E	10	3.8b		**¶97v1552**
EIDC	V	10 08 21 49.8	32.8N	60.3E	0	4.0b		

NEIC Less reliable solution.

ISC	**V**	**10 08 22 48.2**±.46	**33.09N**±.088	**60.21E**±.094	**10**	**4.3b**	**25**	**22-90**
NEIC	V	10 08 22 47.9	33.08N	60.17E	10	4.8b		**¶97v1553**
EIDC	V	10 08 22 47.9	33.0N	60.3E	0	4.3b		

NEIC Less reliable solution.

ISC	**V**	**10 08 24 28.4**±.87	**33.2N**±.18	**60.3E**±.23	**10**	**4.2b**	**9**	**38-90**
EIDC	V	10 08 24 27.9	33.2N	60.3E	0	4.2b		**¶97v1554**
NEIC	V	10 08 24 28.3	33.22N	60.25E	10			

NEIC Poor solution.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**V**	**10 08 37 14.8**±.46	**32.87N**±.093	**60.29E**±.080	**10**	**4.2b**	**33**	**8-92**	**¶97v1556**
EIDC	V	10 08 37 14.4	32.9N	60.0E	0	4.1b			
MOS	V	10 08 37 14.6	32.9N	60.4E	10	4.6b			
NEIC	V	10 08 37 14.8	32.88N	60.31E	10	4.5b			
NEIC	Less reliable solution.								
ISC	**V**	**10 08 40 23.9**±.72	**32.8N**±.11	**60.0E**±.14	**10**	**3.9b**	**12**	**17-90**	**¶97v1557**
EIDC	V	10 08 40 23.8	32.7N	60.0E	0	4.0b,3.4L			
NEIC	V	10 08 40 23.9	32.84N	59.98E	10				
NEIC	Less reliable solution.								
ISC	**V**	**10 08 45 02**±6.2	**33.5N**±.12	**59.9E**±.11	**109**±58	**3.7b**	**18**	**22-91**	**¶97v1558**
NEIC	V	10 08 44 50.6	33.47N	59.86E	10				
EIDC	V	10 08 44 50.9	33.4N	59.8E	0	3.9b			
NEIC	Less reliable solution.								
ISC	**V**	**10 08 55 36.8**±.66	**33.1N**±.13	**60.2E**±.13	**10**	**3.9b**	**16**	**23-90**	**¶97v1560**
NEIC	V	10 08 55 36.7	33.07N	60.22E	10	3.7b			
EIDC	V	10 08 55 36.7	32.9N	60.2E	0	3.9b			
NEIC	Less reliable solution.								
ISC	**V**	**10 09 12 53**±1.9	**33.41N**±.077	**60.05E**±.057	**51**±18	**4.2b**	**43**	**11-90**	**¶97v1565**
MOS	V	10 09 12 47.8	33.3N	59.9E	10	4.7b			
NEIC	V	10 09 12 48.0	33.38N	60.06E	10	4.7b			
BJI	V	10 09 12 51.7	33.09N	60.68E	5	4.4b			
EIDC	V	10 09 12 56.7	33.3N	60.1E	67	3.8b,4.0L			
ISC	**V**	**10 09 19 36**±2.5	**33.75N**±.070	**59.94E**±.048	**30**±19	**4.2b**	**64**	**9-91**	
EIDC	V	10 09 19 31.9	33.6N	59.9E	0	4.2b,3.7L			**¶97v1567**
MOS	V	10 09 19 32.2	33.7N	60.0E	10	4.6b			
BJI	V	10 09 19 32.2	33.70N	59.90E	10	4.7b			
NEIC	V	10 09 19 32.2	33.67N	59.95E	10	4.4b			
ISC	**V**	**10 09 33 34.9**±.99	**33.8N**±.16	**59.6E**±.14	**10**	**3.8b**	**13**	**16-84**	
EIDC	V	10 09 33 30.9	33.2N	59.1E	0	3.8b,3.3L			**¶97v1568**
NEIC	V	10 09 33 34.7	33.86N	59.55E	10				
NEIC	Less reliable solution.								
ISC	**V**	**10 10 19 54**±8.3	**33.0N**±.12	**60.3E**±.11	**20**±60	**3.8b**	**18**	**17-90**	
NEIC	V	10 10 19 52.3	32.95N	60.30E	10	3.9b			**¶97v1572**
EIDC	V	10 10 19 53.0	32.9N	60.4E	0	4.0b,3.5L			
NEIC	Less reliable solution.								
ISC	**V**	**10 10 22 00.0**±.65	**33.8N**±.12	**59.8E**±.12	**10**	**3.9b**	**13**	**22-91**	
NEIC	V	10 10 21 59.9	33.77N	59.80E	10	4.3b			**¶97v1573**
EIDC	V	10 10 22 00.3	33.7N	59.9E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**V**	**10 10 24 57.5**±.62	**33.4N**±.14	**59.9E**±.13	**10**	**3.8b**	**13**	**36-90**	
NEIC	V	10 10 24 57.4	33.40N	59.94E	10				**¶97v1574**
EIDC	V	10 10 24 57.5	33.4N	59.9E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**V**	**10 10 27 26**±1.1	**33.75N**±.045	**59.91E**±.032	**44**±10	**4.6b**,5.4s	**127**	**9-91**	
BJI	V	10 10 27 20.7	33.54N	60.08E	2	5.0b			**¶97v1575**
NEIC	V	10 10 27 20.9	33.73N	59.95E	10	4.8b,5.4s			
MOS	V	10 10 27 21.2	33.7N	60.0E	10	5.1b			
EIDC	V	10 10 27 29.2	33.7N	59.9E	65	4.0b			
ISC	**V**	**10 10 34 19**±5.2	**33.39N**±.088	**59.97E**±.069	**1**±32	**4.0b**	**39**	**10-90**	
NEIC	V	10 10 34 20.4	33.35N	59.98E	10	4.0b			**¶97v1577**
EIDC	V	10 10 34 20.4	33.4N	60.1E	0	3.9b			
BJI	V	10 10 34 20.7	32.90N	60.10E	10	4.2b			
MOS	V	10 10 34 22.7	33.7N	60.1E	10	4.6b			
NEIC	Less reliable solution.								
ISC	**V**	**10 10 36 04.0**±.56	**33.1N**±.11	**60.2E**±.13	**10**	**4.0b**	**16**	**22-90**	
NEIC	V	10 10 36 03.7	33.06N	60.21E	10	4.2b			**¶97v1579**
EIDC	V	10 10 36 04.1	33.1N	60.3E	0	3.9b			
NEIC	Less reliable solution.								
ISC	**V**	**10 10 55 15**±1.3	**32.8N**±.32	**60.3E**±.36	**33**	**3.8b**	**4**	**43-90**	
EIDC	V	10 10 55 12.1	32.8N	60.4E	0	3.7b			**¶97v1581**
ISC	Poorly determined								
ISC	**V**	**10 11 01 28**±6.8	**33.0N**±.11	**60.2E**±.13	**16**±48	**4.0b**	**23**	**14-90**	
NEIC	V	10 11 01 26.9	32.97N	60.20E	10	4.2b			**¶97v1582**
MOS	V	10 11 01 27.0	32.7N	60.7E	10	4.8b			
EIDC	V	10 11 01 27.1	33.0N	60.2E	0	4.0b			
BJI	V	10 11 01 30.3	33.61N	60.28E	5	4.8b			
NEIC	Less reliable solution.								
ISC	**V**	**10 11 16 17.5**±.70	**33.1N**±.16	**60.1E**±.15	**10**	**3.8b**	**10**	**27-90**	
NEIC	V	10 11 16 17.3	33.14N	60.04E	10				**¶97v1584**
EIDC	V	10 11 16 17.5	33.0N	60.0E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**V**	**10 12 01 53**±1.1	**33.1N**±.21	**60.2E**±.22	**10**	**3.7b**	**7**	**27-90**	
NEIC	V	10 12 01 52.5	33.12N	60.18E	10				**¶97v1594**
EIDC	V	10 12 01 52.5	33.0N	60.1E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**V**	**10 12 23 07.7**±.46	**33.09N**±.079	**60.25E**±.061	**10**	**4.3b**	**56**	**7-90**	
MOS	V	10 12 23 07.0	33.0N	60.3E	10	4.8b			**¶97v1598**
NEIC	V	10 12 23 07.5	33.12N	60.25E	10	4.6b			
EIDC	V	10 12 23 08.0	33.1N	60.1E	0	4.2b			
BJI	V	10 12 23 14.0	33.59N	61.02E	5	4.6b			
ISC	**V**	**10 13 22 30.3**±.87	**33.3N**±.15	**60.0E**±.17	**10**	**3.8b**	**7**	**25-84**	
NEIC	V	10 13 22 30.1	33.26N	60.02E	10	3.9b			**¶97v1604**
EIDC	V	10 13 22 30.1	33.3N	60.0E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**V**	**10 13 24 06.9**±.70	**33.1N**±.14	**60.1E**±.13	**10**	**3.9b**	**14**	**23-90**	
NEIC	V	10 13 24 06.6	33.02N	60.10E	10	4.0b			**¶97v1605**
EIDC	V	10 13 24 06.9	33.1N	60.1E	0	3.9b			
NEIC	Less reliable solution.								
ISC	**V**	**10 13 26 38**±2.0	**33.06N**±.080	**60.35E**±.059	**41**±19	**4.2b,4.0s**	**53**	**11-90**	
MOS	V	10 13 26 33.6	32.9N	60.3E	10	4.7b,4.3s			**¶97v1607**
NEIC	V	10 13 26 33.6	32.98N	60.28E	10	4.3b,4.0s			
EIDC	V	10 13 26 39.2	33.0N	60.1E	39	4.0b,3.9s			
BJI	V	10 13 26 39.4	33.40N	61.14E	5	4.3b,4.4s			
NEIC	Less reliable solution.								
ISC	**V**	**10 14 04 41**±2.4	**33.10N**±.073	**60.19E**±.057	**42**±21	**4.2b**,3.7s	**61**	**14-90**	
MOS	V	10 14 04 35.7	33.0N	60.2E	10	4.8b			**¶97v1613**
NEIC	V	10 14 04 35.7	33.03N	60.17E	10	4.5b			
EIDC	V	10 14 04 35.7	33.0N	60.2E	0	4.3b,3.7s			
BJI	V	10 14 04 38.7	32.33N	60.99E	5	4.6b,4.6s			
ISC	**V**	**10 15 45 03.9**±.80	**32.7N**±.13	**60.3E**±.12	**10**	**3.9b**	**12**	**17-90**	
NEIC	V	10 15 45 03.7	32.75N	60.25E	10				**¶97v1626**
EIDC	V	10 15 45 04.1	32.7N	60.3E	0	3.8b,3.4L			
NEIC	Less reliable solution.								
ISC	**V**	**10 15 53 27.6**±.65	**33.3N**±.11	**60.09E**±.089	**10**	**3.9b**	**21**	**15-90**	
NEIC	V	10 15 53 27.4	33.28N	60.07E	10				**¶97v1627**
EIDC	V	10 15 53 27.8	33.4N	60.1E	0	3.9b,2.8s			
MOS	V	10 15 53 27.9	33.3N	60.1E	10	4.9b			
NEIC	Less reliable solution.								
ISC	**V**	**10 17 32 44.0**±.35	**33.53N**±.061	**59.86E**±.048	**10**	**4.4b,3.9s**	**69**	**6-91**	
MOS	V	10 17 32 43.4	33.5N	60.0E	10	4.8b			**¶97v1634**
NEIC	V	10 17 32 43.6	33.48N	59.87E	10	4.7b,4.0s			
EIDC	V	10 17 32 43.7	33.5N	59.9E	0	4.2b,3.8s			
BJI	V	10 17 32 48.3	33.26N	60.73E	5	4.7b,4.7s			
ISC	**V**	**10 18 52 40**±1.1	**33.2N**±.16	**59.9E**±.17	**10**	**3.9b**	**13**	**23-85**	
NEIC	V	10 18 52 39.7	33.23N	59.91E	10	4.4b			**¶97v1645**
EIDC	V	10 18 52 40.1	33.2N	59.8E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**V**	**10 19 51 39**±7.0	**32.97N**±.095	**60.27E**±.057	**14**±42	**4.1b**	**49**	**14-90**	
BJI	V	10 19 51 36.3	32.90N	60.20E	10	4.5b			**¶97v1655**
MOS	V	10 19 51 38.2	33.0N	60.4E	10	4.6b			
NEIC	V	10 19 51 38.3	32.94N	60.21E	10	4.4b			
EIDC	V	10 19 51 38.7	32.9N	60.4E	0	4.1b,3.6L			
NEIC	Less reliable solution.								
ISC	**V**	**10 20 01 38**±1.0	**32.7N**±.18	**60.3E**±.15	**10**	**3.7b**	**8**	**18-90**	
NEIC	V	10 20 01 37.8	32.71N	60.33E	10	3.5b			**¶97v1659**
EIDC	V	10 20 01 38.1	32.7N	60.3E	0	3.7b,3.3L			
NEIC	Less reliable solution.								
ISC	**V**	**10 22 14 00**±1.2	**33.43N**±.059	**60.03E**±.037	**59**±12	**4.4b,4.0s**	**104**	**7-140**	
EIDC	V	10 22 13 52.6	33.3N	59.9E	0	4.3b			**¶97v1674**
BJI	V	10 22 13 53.1	33.40N	60.10E	10	4.9b,4.7s			
NEIC	V	10 22 13 53.1	33.44N	60.09E	10	4.6b			
MOS	V	10 22 13 53.8	33.5N	60.0E	10	4.7b			
ISC	**V**	**10 22 24 36**±2.4	**32.8N**±.13	**60.11E**±.099	**46**±22	**3.8b**	**20**	**9-90**	
NEIC	V	10 22 24 30.9	32.71N	60.13E	10	3.9b			**¶97v1675**
EIDC	V	10 22 24 30.9	32.7N	60.0E	0	3.9b,2.7s			
NEIC	Less reliable solution.								
ISC	**V**	**10 22 52 31**±2.3	**33.4N**±.10	**60.06E**±.082	**48**±22	**3.7b**	**29**	**10-90**	
MOS	V	10 22 52 25.3	33.2N	60.4E	10	5.1b			**¶97v1679**
NEIC	V	10 22 52 25.7	33.32N	60.11E	10	4.2b			
EIDC	V	10 22 52 25.7	33.1N	60.0E	0	3.8b,3.6L			
BJI	V	10 22 52 32.4	33.61N	60.83E	5	4.5b			
NEIC	Less reliable solution.								
ISC	**V**	**10 23 35 45**±2.2	**33.22N**±.072	**60.07E**±.047	**74**±20	**4.3b**	**83**	**9-90**	
NEIC	V	10 23 35 36.7	33.12N	60.11E	10	4.5b			**¶97v1686**
EIDC	V	10 23 35 36.8	33.0N	60.1E	0	4.3b,3.7s			
MOS	V	10 23 35 37.0	33.2N	60.1E	10	4.7b			
BJI	V	10 23 35 38.2	32.71N	60.72E	5	4.8b,4.8s			
ISC	**V**	**11 01 29 32**±3.6	**33.19N**±.085	**60.24E**±.054	**16**±26	**4.3b**,4.2s	**65**	**7-90**	
NEIC	V	11 01 29 30.2	33.14N	60.23E	10	4.6b			**¶97v1699**
MOS	V	11 01 29 30.3	33.0N	60.2E	10	4.8b			
EIDC	V	11 01 29 30.6	33.1N	60.1E	0	4.2b,3.6L			
BJI	V	11 01 29 31.4	33.06N	60.49E	5	4.4b			
ISC	**V**	**11 04 17 59.4**±.72	**33.0N**±.13	**60.1E**±.13	**10**	**3.8b**	**18**	**17-90**	
EIDC	V	11 04 17 58.6	33.0N	60.2E	0	3.8b,3.0s			**¶97v1720**
MOS	V	11 04 17 59.1	33.0N	60.2E	10	4.8b			
NEIC	V	11 04 17 59.2	32.99N	60.13E	10	4.4b			
NEIC	Less reliable solution.								
ISC	**V**	**11 04 47 09.5**±.91	**33.8N**±.15	**59.8E**±.11	**10**	**3.9b**	**18**	**14-84**	
MOS	V	11 04 47 05.8	32.9N	60.7E	10	4.0b			**¶97v1728**
NEIC	V	11 04 47 09.3	33.74N	59.75E	10				
EIDC	V	11 04 47 09.5	33.8N	59.7E	0	3.9b,3.6L			
BJI	V	11 04 47 14.5	33.80N	60.66E	5	4.6b			
NEIC	Less reliable solution.								
ISC	**V**	**11 07 02 43.4**±.78	**32.9N**±.14	**60.2E**±.12	**10**	**3.8b**	**13**	**17-90**	
NEIC	V	11 07 02 43.3	32.91N	60.17E	10				**¶97v1742**
EIDC	V	11 07 02 44.1	32.9N	60.3E	0	3.9b,3.5L			
NEIC	Less reliable solution.								
ISC	**V**	**11 08 14 15.0**±.89	**33.0N**±.15	**60.4E**±.15	**10**	**3.7b**	**9**	**17-90**	
NEIC	V	11 08 14 15.2	32.96N	60.34E	10	3.4b			**¶97v1755**
EIDC	V	11 08 14 15.5	33.0N	60.3E	0	3.7b,3.4L			
NEIC	Less reliable solution.								
ISC	**V**	**11 08 24 33**±3.3	**33.2N**±.10	**60.01E**±.091	**103**±31	**3.9b**	**30**	**17-90**	
MOS	V	11 08 24 21.2	32.9N	60.2E	10	4.6b			**¶97v1757**
NEIC	V	11 08 24 21.5	33.02N	60.05E	10	4.4b			
EIDC	V	11 08 24 21.5	32.9N	60.0E	0	4.0b,3.8L			
NEIC	Less reliable solution.								
ISC	**V**	**11 08 31 53**±4.8	**33.3N**±.11	**60.20E**±.071	**24**±34	**3.9b,3.5s**	**38**	**14-131**	
BJI	V	11 08 31 50.4	33.30N	60.20E	10	4.8b,4.8s			**¶97v1760**
NEIC	V	11 08 31 50.4	33.29N	60.18E	10	4.2b			
MOS	V	11 08 31 50.7	33.4N	60.4E	10	4.7b			
EIDC	V	11 08 31 59.7	33.4N	60.0E	64	3.6b,3.0s			
NEIC	Less reliable solution.								
ISC	**V**	**11 11 53 37.0**±.86	**33.0N**±.16	**60.1E**±.18	**10**	**3.8b**	**9**	**27-90**	
NEIC	V	11 11 53 36.9	33.05N	60.04E	10	3.7b			**¶97v1778**
EIDC	V	11 11 53 37.1	32.9N	60.1E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**V**	**11 12 56 56**±5.6	**33.3N**±.15	**60.0E**±.14	**50**±50	**3.7b**	**12**	**17-84**	
NEIC	V	11 12 56 50.3	33.23N	60.01E	10	4.3b			**¶97v1780**
EIDC	V	11 12 56 57.9	33.3N	60.0E	52	3.5b			
NEIC	Less reliable solution.								
ISC	**V**	**11 13 40 58**±1.1	**33.0N**±.17	**60.2E**±.16	**10**	**3.7b**	**9**	**17-88**	
EIDC	V	11 13 40 57.7	32.9N	60.2E	0	3.7b			**¶97v1784**
NEIC	V	11 13 40 57.8	33.05N	60.18E	10	3.6b			
NEIC	Poor solution.								
ISC	**V**	**11 14 37 20**±1.7	**32.6N**±.25	**60.4E**±.22	**10**	**3.9b**	**5**	**18-85**	
NEIC	V	11 14 37 19.8	32.64N	60.43E	10	3.7b			**¶97v1794**
EIDC	V	11 14 37 20.2	32.6N	60.3E	0	3.8b,3.5L			
NEIC	Poor solution.								
ISC	**V**	**11 22 09 14**±2.5	**33.4N**±.10	**60.0E**±.11	**86**±24	**3.6b**	**20**	**7-84**	
MOS	V	11 22 09 00.8	32.9N	61.0E	10	4.5b			**¶97v1852**
NEIC	V	11 22 09 04.3	33.35N	60.15E	10	4.5b			
EIDC	V	11 22 09 04.7	33.3N	60.2E	0	3.8b,3.5L			
NEIC	Less reliable solution.								
ISC	**V**	**12 13 08 49**±1.1	**33.1N**±.21	**60.1E**±.28	**33**	**3.6b**	**6**	**27-90**	
EIDC	V	12 13 08 45.5	33.1N	59.9E	0	3.7b			**¶97v1963**
ISC	**V**	**12 16 26 57.4**±.59	**33.0N**±.10	**60.2E**±.10	**10**	**3.9b**	**19**	**17-90**	
MOS	V	12 16 26 56.7	32.7N	60.4E	10	4.5b			**¶97v2008**
NEIC	V	12 16 26 57.3	33.06N	60.14E	10	4.3b			
EIDC	V	12 16 26 57.6	33.0N	60.1E	0	4.0b,3.5L			
NEIC	Less reliable solution.								
ISC	**V**	**12 17 14 52**±1.1	**33.5N**±.29	**60.0E**±.28	**33**	**3.6b**	**5**	**48-90**	
EIDC	V	12 17 14 48.5	33.7N	60.0E	0	3.6b			**¶97v2014**
ISC	**V**	**13 06 11 59**±5.4	**34.0N**±.11	**59.5E**±.10	**23**±38	**4.0b**	**30**	**4-91**	
NEIC	V	13 06 11 57.3	33.94N	59.49E	10	4.2b			**¶97v2159**
EIDC	V	13 06 11 57.7	33.8N	59.4E	0	4.1b,3.9L			
NEIC	Less reliable solution.								
ISC	**V**	**13 11 42 25**±1.3	**33.46N**±.073	**59.89E**±.044	**37**±12	**4.3b,3.9s**	**92**	**5-90**	
NEIC	V	13 11 42 21.4	33.47N	59.89E	10	4.5b,4.0s			**¶97v2239**
MOS	V	13 11 42 21.8	33.4N	59.8E	10	4.9b,4.2s			
BJI	V	13 11 42 22.8	33.40N	59.80E	10	4.7b,4.4s			

EIDC V 13 11 42 25.6 33.5N 59.9E 25 4.1b,3.6s
NEIC One person killed and ten houses destroyed at Khunik Sar. Also felt at Birjand and Qaen.
ISC V 14 10 12 44±1.5 **33.1N**±.20 **59.0E**±.38 **10** **3.6b** **7 5-91**
EIDC V 14 10 12 43.1 33.0N 58.8E 0 3.6b,3.8L **¶97v2428**
NEIC V 14 10 12 43.5 33.07N 59.02E 10
NEIC Poor solution.
ISC V 14 14 14 21±1.1 **33.13N**±.047 **60.25E**±.032 **35**±10 **4.7b,4.2s** **154 5-140**
EIDC V 14 14 14 16.6 33.0N 60.2E 0 4.6b,4.0s **¶97v2461**
NEIC V 14 14 14 16.8 33.11N 60.27E 10 4.8b
MOS V 14 14 14 17.0 33.1N 60.3E 10 5.1b,4.3s
BJI V 14 14 14 22.6 33.78N 60.93E 5 4.8b,4.6s
ISC V 15 12 48 21.2±.52 **32.92N**±.085 **60.23E**±.060 **10** **4.2b,4.2s** **47 5-90**
MOS V 15 12 48 20.7 32.8N 60.2E 10 4.8b,4.6s **¶97v2620**
BJI V 15 12 48 20.9 32.90N 60.30E 10 4.3b,4.5s
NEIC V 15 12 48 20.9 32.93N 60.26E 10 4.5b
EIDC V 15 12 48 20.9 32.9N 60.2E 0 4.2b,3.8s
ISC V 18 02 33 23±7.3 **31.3N**±.11 **56.5E**±.10 **3**±43 **4.1b** **23 7-92**
MOS V 18 02 33 25.7 31.1N 56.7E 33 4.2b **¶97v3017**
NEIC V 18 02 33 27.2 31.31N 56.46E 33 4.0b
EIDC V 18 02 33 29.9 31.4N 56.4E 41 3.8b,4.2L
NEIC Less reliable solution.
ISC V 18 18 57 58±1.5 **33.0N**±.18 **60.3E**±.19 **10** **3.7b** **6 5-85**
NEIC V 18 18 57 57.7 33.03N 60.31E 10 **¶97v3133**
EIDC V 18 18 57 57.9 33.0N 60.2E 0 3.7b,3.8L
NEIC Single network solution.
ISC V 19 03 05 09±1.6 **32.7N**±.18 **60.7E**±.22 **10** **4.1b** **7 6-85**
NEIC V 19 03 05 07.8 32.71N 60.75E 10 **¶97v3183**
EIDC V 19 03 05 10.3 32.8N 60.5E 0 3.8b,3.8L
NEIC Poor solution.
EIDC V 20 07 00 03.6 **34.2N** **60.0E** **0** **4.0b**,3.4L **4-84**
¶97v3369
ISC V 22 04 53 02±7.1 **33.7N**±.17 **59.9E**±.15 **21**±49 **3.8b**,2.9s **12 4-84**
EIDC V 22 04 52 59.8 33.6N 59.8E 0 3.8b,2.9s **¶97v3709**
NEIC V 22 04 53 00.0 33.69N 59.92E 10
NEIC Single network solution.
ISC V 22 10 41 10.3±.85 **33.0N**±.13 **60.3E**±.17 **10** **3.9b** **10 5-90**
NEIC V 22 10 41 10.2 32.96N 60.28E 10 **¶97v3760**
EIDC V 22 10 41 10.3 32.9N 60.3E 0 3.9b,4.1L
NEIC Single network solution.
ISC V 22 15 44 06.2±.89 **33.0N**±.13 **60.2E**±.18 **10** **3.6b** **8 5-90**
NEIC V 22 15 44 06.0 32.97N 60.16E 10 3.7b **¶97v3792**
EIDC V 22 15 44 06.1 32.9N 60.2E 0 3.6b,3.9L
NEIC Less reliable solution.
ISC V 23 13 24 10.1±.57 **33.3N**±.11 **60.0E**±.13 **10** **4.0b** **14 23-90**
NEIC V 23 13 24 09.7 33.19N 60.04E 10 4.3b **¶97v3959**
EIDC V 23 13 24 10.0 33.1N 60.0E 0 4.0b
NEIC Poor solution.
ISC V 24 10 39 16.8±.81 **33.2N**±.16 **60.0E**±.14 **10** **3.7b** **10 27-90**
NEIC V 24 10 39 16.8 33.25N 60.03E 10 **¶97v4098**
EIDC V 24 10 39 17.0 33.2N 60.0E 0 3.7b
NEIC Single network solution.
ISC V 25 15 07 48±2.5 **33.22N**±.089 **60.17E**±.077 **44**±21 **4.1b** **45 5-131**
NEIC V 25 15 07 42.7 33.13N 60.20E 10 4.5b **¶97v4292**
MOS V 25 15 07 43.0 33.1N 60.2E 10 4.5b
BJI V 25 15 07 45.4 33.08N 60.55E 5 4.5b
EIDC V 25 15 07 48.9 33.2N 60.2E 39 3.9b,4.4L
ISC V 27 20 37 09±7.3 **33.1N**±.16 **60.0E**±.16 **25**±51 **3.7b** **12 5-90**
BJI V 27 20 37 06.1 33.10N 60.10E 10 4.2b **¶97v4607**
NEIC V 27 20 37 06.1 33.11N 60.09E 10
EIDC V 27 20 37 12.5 33.3N 60.1E 40 3.5b,4.0L
NEIC Single network solution.
ISC VI 06 11 06 30±1.1 **32.9N**±.25 **60.0E**±.31 **10** **3.9b** **5 27-90**
NEIC VI 06 11 06 30.1 32.87N 59.96E 10 **¶97vi0929**
EIDC VI 06 11 06 30.5 32.7N 60.0E 0 3.8b
NEIC Poor solution.
ISC VI 07 20 29 49±2.4 **36.51N**±.076 **50.36E**±.056 **28**±19 **3.9b,4.2s** **47 3-81**
EIDC VI 07 20 29 45.3 36.3N 50.3E 0 4.1b,3.8L **¶97vi1141**
MOS VI 07 20 29 48.0 36.3N 50.3E 33 4.7b
BJI VI 07 20 29 48.2 36.19N 50.01E 49 4.2b,4.4s
NEIC VI 07 20 29 48.2 36.41N 50.28E 33 4.4b
NEIC Less reliable solution.
ISC VI 16 03 00 10.8±.87 **33.30N**±.038 **60.21E**±.025 **55**±8.4 **4.9b,4.4s** **296 5-140**
BJI VI 16 03 00 03.7 33.21N 60.12E 6 5.0b,4.9s **¶97vi2393**
NEIC VI 16 03 00 04.4 33.14N 60.15E 10 5.0b
MOS VI 16 03 00 05.5 33.3N 60.2E 10 5.3b,4.6s
HRVD VI 16 03 00 09.0±.8 33.29N±.09 60.07E±.08 15
EIDC VI 16 03 00 10.8 33.1N 60.1E 46 4.5b,4.1s
NEIC Mw5.0(HRV)
NEIC Some houses destroyed in the Birjand-Qayen area.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c31; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}2.74±.25; $M_{\theta\theta}$−2.40±.27; $M_{\phi\phi}$−0.34±.30; $M_{r\theta}$−2.08±1.20; $M_{r\phi}$0.25±1.20; $M_{\theta\phi}$2.71±.32. Principal Axes: T 3.63,Plg62°,Azm153°; N 1.11,Plg23°,Azm296°; P −4.74,Plg15°,Azm33°. Best double couple: $M_0$4.2×10^{16}Nm, NP1: ϕ_S151°,δ36°,λ131°. NP2:ϕ_S284°,δ64°,λ64°.
ISC VI 20 12 57 36.2±.71 **32.33N**±.036 **60.02E**±.022 **35**±7.0 **4.9b,5.4s** **291 6-140**
EIDC VI 20 12 57 31.5 32.1N 59.9E 0 4.7b,5.1s **¶97vi3061**
MOS VI 20 12 57 31.7 32.2N 60.0E 10 5.4b,5.3s
BJI VI 20 12 57 31.9 32.40N 59.97E 8 5.0b,5.6s
NEIC VI 20 12 57 32.3 32.33N 59.96E 10 5.0b,5.4s
HRVD VI 20 12 57 35.7±.2 32.19N±.03 59.97E±.03 15
NEIC Mw5.6(HRV)
NEIC Sixty houses destroyed in Khorasan Province.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s50,c83; Mantle waves: s3,c4; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.20±.04; $M_{\theta\theta}$0.86±.06; $M_{\phi\phi}$−0.66±.05; $M_{r\theta}$−0.10±.17; $M_{r\phi}$0.03±.17; $M_{\theta\phi}$2.30±.04. Principal Axes: T 2.52,Plg1°,Azm144°; N −0.20,Plg87°,Azm268°; P −2.32,Plg2°,Azm54°. Best double couple: $M_0$2.4×10^{17}Nm, NP1:ϕ_S189°,δ87°,λ−179°. NP2:ϕ_S99°,δ89°,λ−3°.
ISC VI 20 13 25 19.7±.68 **32.0N**±.12 **59.93E**±.092 **10** **4.0b** **26 6-90**
MOS VI 20 13 25 18.3 31.5N 59.7E 10 4.5b **¶97vi3066**
EIDC VI 20 13 25 19.4 32.0N 60.0E 0 4.0b,3.6L
NEIC VI 20 13 25 19.8 32.06N 59.99E 10 4.3b
BJI VI 20 13 25 20.2 31.99N 60.19E 9
NEIC Less reliable solution.
ISC VI 20 13 34 27.2±.92 **32.2N**±.14 **60.1E**±.14 **10** **3.9b** **14 18-90**
NEIC VI 20 13 34 27.0 32.24N 60.09E 10 4.2b **¶97vi3067**
EIDC VI 20 13 34 27.0 32.2N 60.0E 0 3.9b,3.5L
NEIC Less reliable solution.
ISC VI 21 08 45 29±3.9 **33.1N**±.11 **60.11E**±.057 **23**±27 **4.2b,3.7s** **48 5-90**
BJI VI 21 08 45 26.1 33.18N 59.94E 13 4.6b,4.5s **¶97vi3185**
MOS VI 21 08 45 26.5 33.0N 60.3E 10 4.7b
NEIC VI 21 08 45 26.5 33.15N 60.15E 10 4.5b
EIDC VI 21 08 45 26.9 33.1N 60.2E 0 4.2b,4.1L
NEIC Felt in Khorasan Province.
ISC VI 21 22 21 21.2±.34 **33.03N**±.060 **60.23E**±.044 **10** **4.3b,4.1s** **89 5-90**
MOS VI 21 22 21 20.4 32.9N 60.2E 10 4.8b,4.4s **¶97vi3281**
NEIC VI 21 22 21 20.4 32.94N 60.19E 10 4.5b
BJI VI 21 22 21 20.6 33.18N 60.09E 4 4.3b,4.4s
EIDC VI 21 22 21 31.7 33.0N 60.1E 89 4.0b,3.9s
NEIC Felt in Khorasan Province.
ISC VI 22 22 52 59±1.6 **33.18N**±.071 **60.10E**±.046 **43**±14 **4.3b,3.9s** **73 5-90**
BJI VI 22 22 52 53.6 33.09N 59.97E 14 4.8b,4.9s **¶97vi3455**
MOS VI 22 22 52 53.9 33.1N 60.1E 10 4.9b
NEIC VI 22 22 52 53.9 33.14N 60.10E 10 4.7b
EIDC VI 22 22 52 55.9 33.2N 60.1E 12 4.2b,3.7s
ISC VI 23 15 06 03.5±.85 **35.6N**±.15 **52.5E**±.12 **33** **3.8b** **14 5-82**
NEIC VI 23 15 06 03.4 35.67N 52.50E 33 4.0b **¶97vi3544**
EIDC VI 23 15 06 08.8 35.7N 52.4E 64 3.5b,3.2L
NEIC Less reliable solution.
ISC VI 24 08 53 01.9±.80 **32.1N**±.14 **59.8E**±.13 **10** **4.0b** **13 18-90**
NEIC VI 24 08 53 01.8 32.08N 59.83E 10 **¶97vi3677**
EIDC VI 24 08 53 02.0 32.0N 59.8E 0 4.0b,3.0s
NEIC Less reliable solution.
ISC VI 25 00 42 48±3.3 **32.3N**±.18 **59.9E**±.16 **102**±30 **3.8b** **10 6-90**
MOS VI 25 00 42 33.8 31.7N 60.7E 10 4.0b **¶97vi3815**
EIDC VI 25 00 42 36.3 32.1N 60.2E 0 3.9b,3.5L
NEIC VI 25 00 42 37.1 32.17N 60.01E 10
NEIC Single network solution.
ISC VI 25 19 38 44.3±.69 **33.94N**±.033 **59.45E**±.020 **35**±6.6 **5.4b,5.8s** **541 4-150**
CSEM VI 25 19 38 39.4 34.00N 59.43E 5 **¶97vi4015**
NEIC VI 25 19 38 40.6 33.94N 59.48E 10 5.5b,5.8s
BJI VI 25 19 38 40.8 33.99N 59.58E 6 5.5b,6.2s
MOS VI 25 19 38 41.0 34.0N 59.4E 10 4.7b,5.7s
HRVD VI 25 19 38 45.6±.1 34.04N±.02 59.43E±.02 15
EIDC VI 25 19 38 46.7 33.9N 59.4E 43 5.0b,5.6s
CSEM Mw5.7. M_0=4.6±2.8×10^{17}Nm. Fault plane solution NP1:ϕ_S271°,δ80°,λ−11°. NP2:ϕ_S3°,δ79°, λ−170°. Principal Axes: T Plg15°,Azm227°; N Plg75°,Azm49°; P Plg1°,Azm317°.
NEIC Me6.0(GS), Mw5.9(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.0±0.3×10^{13}Nm/9
NEIC Mw 5.9 (HRV). About 100 houses destroyed, 5,000 others damaged and some livestock killed in the Birjand-Qayen area.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S0°,δ83°,λ177°. NP2:ϕ_S90°,δ87°,λ7°. Principal axes: T Plg7°,Azm315°; P Plg3°,Azm225°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}−0.87; $M_{\theta\theta}$1.29; $M_{\phi\phi}$−0.41; $M_{r\theta}$0.66; $M_{r\phi}$1.24; $M_{\theta\phi}$7.56. Depth 14km; Principal axes: T 8.23,Plg8°,Azm318°; N −1.03,Plg81°, Azm167°; P −7.20,Plg4°,Azm49°. Best double couple: $M_0$7.7×10^{17}Nm; NP1:ϕ_S93°,δ81°,λ3°. NP2:ϕ_S3°,δ87°,λ171°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c104; Mantle waves: s11,c15; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.96±.10; $M_{\theta\theta}$−0.10±.15; $M_{\phi\phi}$−0.86±.12; $M_{r\theta}$−2.32±.43; $M_{r\phi}$−1.12±.36; $M_{\theta\phi}$6.88±.10. Principal Axes: T 7.36,Plg21°,Azm138°; N 0.08,Plg68°,Azm302°; P −7.44,Plg6°,Azm46°. Best double couple: $M_0$7.4×10^{17}Nm, NP1:ϕ_S180°,δ71°,λ169°. NP2:ϕ_S273°,δ79°,λ19°.
ISC VI 26 07 46 11.5±.90 **34.2N**±.12 **59.5E**±.11 **33** **4.0b** **14 4-89**
EIDC VI 26 07 46 08.2 34.1N 59.4E 0 3.9b,3.6L **¶97vi4099**
NEIC VI 26 07 46 11.3 34.09N 59.46E 33
MOS VI 26 07 46 12.7 34.1N 59.8E 33 4.7b
NEIC Single network solution.
ISC VI 30 15 59 03±1.3 **30.0N**±.18 **57.2E**±.21 **33** **3.8b** **8 18-88**
EIDC VI 30 15 58 59.7 30.1N 57.2E 0 3.8b **¶97vi4787**
NEIC VI 30 15 59 03.0 30.10N 57.26E 33 4.0b
NEIC Poor solution.

(349) North-Western Afghanistan.

ISC I 07 22 28 24±1.1 **34.4N**±.17 **62.3E**±.14 **33** **3.6b** **8 18-83**
EIDC I 07 22 28 21.0 34.3N 62.2E 0 3.7b,3.6L **¶97i0987**
NEIC I 07 22 28 24.1 34.39N 62.33E 33
NEIC Less reliable solution.

(351) Eastern Arabian Peninsula.

RYD I 29 06 46 45.7 **27.5N** **44.3E** **45** **3.4D** **¶97i4314**
RYD II 04 14 44 14.0 **24.5N** **48.89E** **2** **3.9D** **¶97ii0548**
RYD II 18 06 56 42.5 **27.03N** **44.28E** **1** **3.6D** **¶97ii2612**
RYD IV 27 22 38 33.7 **24.43N** **50.53E** **3.0D** **¶97iv4802**
RYD IV 28 09 10 06.8 **24.04N** **50.92E** **23** **3.7D** **¶97iv4881**
RYD VI 15 04 52 58.5 **26.56N** **44.92E** **5** **3.0D** **¶97vi2241**

(352) Persian Gulf.

ISC V 19 16 33 48±1.0 **27.0N**±.20 **52.4E**±.25 **33** **4.1b** **8 12-93**
EIDC V 19 16 33 45.3 26.8N 52.5E 0 4.1b **¶97v3283**
ISC VI 04 15 52 46±3.3 **26.8N**±.13 **52.49E**±.094 **64**±30 **4.0b** **20 16-93**
NEIC VI 04 15 52 42.9 26.86N 52.45E 33 4.2b **¶97vi0636**
EIDC VI 04 15 52 50.5 26.8N 52.4E 86 3.7b
NEIC Less reliable solution.

(353) Southern Iran.

ISC I 13 02 24 15±1.8 **28.7N**±.19 **55.9E**±.12 **86**±19 **3.8b** **17 3-91**
NEIC I 13 02 24 10.8 28.65N 55.96E 50 3.5b **¶97i1770**
EIDC I 13 02 24 28.5 28.9N 55.8E 195 3.4b
NEIC Poor solution.
ISC I 14 09 59 46±2.2 **27.7N**±.35 **53.7E**±.44 **33** **4.0b** **6 2-93**
EIDC I 14 09 59 41.5 27.6N 53.6E 0 4.0b **¶97i1978**
NEIC I 14 09 59 45.5 27.74N 53.70E 33 3.6b
NEIC Poor solution.
ISC I 15 15 28 13±2.6 **29.0N**±.14 **51.99E**±.080 **52**±22 **3.9b** **33 1-95**
EIDC I 15 15 28 06.1 28.6N 51.7E 0 3.9b,4.0L **¶97i2172**
RYD I 15 15 28 10.3 29.0N 52.5E 46 3.7D
NEIC I 15 15 28 11.3 28.98N 51.95E 33 4.0b
NEIC Less reliable solution.
ISC I 18 13 20 17.5±.77 **29.2N**±.15 **51.22E**±.094 **33** **4.0b** **16 1-85**
EIDC I 18 13 20 14.2 29.2N 51.1E 0 3.8b **¶97i2667**
NEIC I 18 13 20 16.8 29.10N 51.28E 33
NEIC Poor solution.
ISC I 19 19 06 14±6.4 **29.5N**±.12 **51.9E**±.15 **28**±49 **4.0b** **21 1-95**
NEIC I 19 19 06 13.8 29.45N 51.84E 33 3.6b **¶97i2874**
EIDC I 19 19 06 29.0 29.5N 51.7E 153 3.6b
NEIC Less reliable solution.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**24 17 12 59**±1.2	**28.15N**±.063	**57.53E**±.045	**54**±11	**4.4b**	**86**	**5-90**
MOS	I	24 17 12 56.2	28.1N	57.5E	33	4.7b		¶97i3669
BJI	I	24 17 12 57.0	27.95N	57.40E	51	4.5b		
NEIC	I	24 17 12 57.5	28.23N	57.53E	40	4.5b		
EIDC	I	24 17 12 59.4	28.2N	57.6E	42	3.9b,3.9L		
ISC	**II**	**09 03 01 06**±2.5	**27.5N**±.20	**57.75E**±.096	**41**±21	**3.8b**	**16**	**5-90**
EIDC	II	09 03 01 01.2	27.4N	57.7E	0	3.8b,4.2L		¶97ii1244
NEIC	II	09 03 01 04.5	27.50N	57.70E	33	3.1b		
NEIC	Less reliable solution.							
ISC	**II**	**11 00 50 11.6**±.97	**27.3N**±.20	**53.3E**±.17	**33**	**3.8b**	**9**	**2-90**
EIDC	II	11 00 50 08.8	27.3N	53.3E	0	3.8b		¶97ii1559
NEIC	II	11 00 50 11.7	27.32N	53.30E	33			
NEIC	Poor solution.							
ISC	**II**	**11 18 42 30**±1.4	**28.20N**±.086	**57.66E**±.046	**61**±13	**4.4b**	**64**	**5-129**
BJI	II	11 18 42 26.0	28.16N	57.66E	33	4.5b		¶97ii1663
NEIC	II	11 18 42 26.9	28.17N	57.64E	33	4.3b		
MOS	II	11 18 42 27.3	28.1N	57.6E	33	4.8b		
EIDC	II	11 18 42 34.2	28.2N	57.7E	85	3.9b,3.7L		
ISC	**II**	**12 14 42 54**±1.4	**28.30N**±.077	**55.45E**±.070	**49**±13	**4.3b**,4.1s	**50**	**3-92**
EIDC	II	12 14 42 49.8	28.3N	55.4E	0	4.2b,4.0L		¶97ii1776
MOS	II	12 14 42 51.8	28.2N	55.5E	33	4.9b		
BJI	II	12 14 42 52.6	28.30N	55.40E	33			
NEIC	II	12 14 42 52.6	28.33N	55.45E	33	4.5b		
ISC	**II**	**12 17 00 02**±3.1	**28.26N**±.088	**55.52E**±.070	**17**±23	**4.1b**	**40**	**3-91**
MOS	II	12 16 59 59.9	27.5N	55.6E	33	4.8b		¶97ii1793
EIDC	II	12 17 00 01.0	28.3N	55.6E	0	4.1b,4.1L		
NEIC	II	12 17 00 04.0	28.32N	55.53E	33	4.3b		
BJI	II	12 17 00 05.4	29.00N	55.33E	17			
ISC	**II**	**15 13 17 50**±1.9	**27.8N**±.23	**58.1E**±.27	**33**	**3.9b**	**8**	**5-49**
EIDC	II	15 13 17 48.1	27.8N	58.1E	0	3.8b		¶97ii2237
ISC	**II**	**15 19 47 27.3**±.94	**28.94N**±.050	**52.61E**±.032	**44**±9.6	**4.7b,3.8s**	**137**	**1-88**
EIDC	II	15 19 47 22.8	28.9N	52.6E	0	4.5b,3.6s		¶97ii2281
BJI	II	15 19 47 25.1	28.86N	52.47E	35	4.7b,4.7s		
NEIC	II	15 19 47 25.9	28.95N	52.64E	33	4.8b		
MOS	II	15 19 47 26.1	29.0N	52.7E	33	4.9b		
ISC	**II**	**17 04 31 28.0**±.88	**27.46N**±.044	**56.16E**±.026	**43**±8.1	**4.9b,4.3s**	**230**	**4-135**
EIDC	II	17 04 31 23.2	27.4N	56.1E	0	4.8b,4.2s		¶97ii2452
BJI	II	17 04 31 26.2	27.67N	56.12E	24	5.0b,4.7s		
MOS	II	17 04 31 26.6	27.4N	56.2E	33	5.2b,4.5s		
NEIC	II	17 04 31 26.9	27.44N	56.11E	33	4.9b,4.4s		
NEIC	Felt in the Bandar'Abbas area.							
ISC	**II**	**17 06 13 47**±1.0	**27.2N**±.17	**56.1E**±.18	**33**	**3.8b**	**11**	**4-91**
EIDC	II	17 06 13 43.3	27.1N	56.3E	0	3.8b		¶97ii2461
NEIC	II	17 06 13 46.9	27.12N	56.21E	33			
NEIC	Poor solution.							
ISC	**II**	**27 08 38 23**±1.2	**27.4N**±.21	**56.7E**±.15	**33**	**4.0b**	**11**	**4-90**
EIDC	II	27 08 38 21.2	27.7N	56.6E	0	3.9b,4.3L		¶97ii3928
NEIC	II	27 08 38 23.3	27.52N	56.64E	33	3.4b		
NEIC	Poor solution.							
ISC	**III**	**03 02 42 43**±1.7	**27.7N**±.23	**55.4E**±.21	**33**	**3.6b**	**5**	**3-90**
EIDC	III	03 02 42 41.3	28.0N	55.0E	0	3.7b		¶97iii0454
ISC	**III**	**04 14 48 35**±2.1	**27.1N**±.11	**55.25E**±.088	**99**±18	**4.0b**	**34**	**4-91**
EIDC	III	04 14 48 24.8	27.1N	55.3E	0	4.0b		¶97iii0867
MOS	III	04 14 48 27.2	26.4N	54.9E	33	4.4b		
NEIC	III	04 14 48 28.1	27.12N	55.34E	33	4.3b		
ISC	**III**	**09 14 39 07**±2.3	**29.75N**±.090	**51.28E**±.077	**61**±20	**4.3b**	**44**	**1-95**
BJI	III	09 14 39 02.0	29.46N	51.27E	38	5.0b		¶97iii1988
NEIC	III	09 14 39 04.0	29.73N	51.30E	33	4.5b		
MOS	III	09 14 39 04.1	29.8N	51.4E	33	4.6b		
EIDC	III	09 14 39 09.3	29.7N	51.2E	64	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**28 16 23 08**±3.2	**27.0N**±.17	**55.2E**±.18	**77**±26	**3.6b**	**12**	**4-91**
EIDC	III	28 16 22 59.6	27.0N	55.3E	0	3.7b		¶97iii5458
NEIC	III	28 16 23 05.1	26.96N	55.19E	50	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**02 02 42 26**±1.9	**29.95N**±.099	**51.59E**±.082	**21**±16	**4.4b**	**70**	**1-87**
MOS	IV	02 02 42 11.9	28.5N	53.0E	33	4.7b		¶97iv0176
EIDC	IV	02 02 42 27.5	30.1N	51.4E	15	4.1b,4.1L		
NEIC	IV	02 02 42 27.6	30.04N	51.59E	33	4.4b		
ISC	**IV**	**05 12 41 21**±1.3	**28.5N**±.20	**57.2E**±.15	**33**	**3.9b**	**12**	**20-100**
EIDC	IV	05 12 41 35.5	28.5N	57.0E	153	3.5b		¶97iv0770
ISC	**IV**	**19 05 53 17.8**±.74	**28.02N**±.032	**56.86E**±.020	**59**±6.9	**5.3b,5.3s**	**503**	**4-135**
BJI	IV	19 05 53 13.3	28.05N	56.75E	29	5.3b,5.5s		¶97iv3163
NEIC	IV	19 05 53 14.1	28.04N	56.89E	27	5.5b,5.4s		
MOS	IV	19 05 53 15.3	28.0N	56.9E	33	5.8b,5.3s		
HRVD	IV	19 05 53 17.2±.5	27.64N±.04	57.01E±.05	19			
EIDC	IV	19 05 53 18.8	28.0N	56.9E	53	4.8b,4.8s		
RYD	IV	19 05 53 20.6	29.6N	56.5E	30	5.1D		
NEIC	Mw5.6(HRV), Mw5.5(GS).							
NEIC	Moment tensor solution: s20, scale 10^{17}Nm; M_{rr}0.50; $M_{\theta\theta}$−1.69; $M_{\phi\phi}$1.19; $M_{r\theta}$1.05; $M_{r\phi}$−0.94; $M_{\theta\phi}$−0.33. Depth 16km; Principal axes: T 2.06,Plg38°,Azm72°; N 0.05,Plg44°, Azm294°; P −2.11,Plg22°,Azm181°. Best double couple: $M_0$2.1×10^{17}Nm; NP1:ϕ_S223°,δ45°, λ13°. NP2:ϕ_S123°,δ80°,λ135°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s40,c59; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24±.06; $M_{\theta\theta}$−2.63±.08; $M_{\phi\phi}$1.39±.08; $M_{r\theta}$0.75±.24; $M_{r\phi}$−0.45±.19; $M_{\theta\phi}$−1.12±.09. Principal Axes: T 2.15,Plg37°,Azm70°; N 0.86, Plg52°,Azm268°; P −3.01,Plg8°,Azm167°. Best double couple: $M_0$2.6×10^{17}Nm, NP1: ϕ_S215°,δ58°,λ22°. NP2:ϕ_S113°,δ71°,λ146°.							
ISC	**IV**	**19 06 06 50**±1.2	**27.9N**±.17	**56.8E**±.27	**33**	**3.9b**	**10**	**33-90**
EIDC	IV	19 06 06 47.6	27.9N	56.7E	0	3.9b		¶97iv3165
NEIC	IV	19 06 06 49.9	27.93N	56.90E	33			
NEIC	Poor solution.							
ISC	**IV**	**19 06 34 13**±2.4	**27.9N**±.29	**56.8E**±.36	**33**	**3.9b**	**5**	**33-45**
EIDC	IV	19 06 34 12.3	28.0N	56.4E	0	4.0b		¶97iv3166
ISC	**IV**	**19 08 51 20**±1.8	**27.9N**±.25	**56.9E**±.24	**33**	**3.9b**	**11**	**39-90**
EIDC	IV	19 08 51 16.7	27.9N	56.9E	0	3.8b		¶97iv3180
NEIC	IV	19 08 51 19.8	27.87N	56.93E	33	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**19 10 10 49**±1.4	**28.00N**±.083	**56.85E**±.042	**66**±12	**4.3b**	**80**	**4-120**
BJI	IV	19 10 10 44.6	27.83N	56.86E	34	4.7b,4.5s		¶97iv3188
MOS	IV	19 10 10 45.1	27.9N	56.8E	33	4.9b		
NEIC	IV	19 10 10 45.5	27.98N	56.82E	33	4.5b,3.7s		
EIDC	IV	19 10 10 48.7	27.9N	56.8E	47	4.0b,3.5s		
ISC	**IV**	**19 22 31 37.4**±.48	**27.89N**±.086	**56.82E**±.043	**22**	**4.4b,3.5s**	**79**	**4-120**
BJI	IV	19 22 31 36.0	27.94N	56.68E	24	4.7b,4.5s		¶97iv3246
NEIC	IV	19 22 31 37.3	27.94N	56.87E	22	4.8b,4.0s		
MOS	IV	19 22 31 38.7	27.9N	56.9E	33	5.0b		
EIDC	IV	19 22 31 38.8	27.9N	56.8E	22	4.0b,3.1s		
ISC	**IV**	**21 17 12 44.8**±.80	**27.9N**±.12	**56.9E**±.14	**20**	**4.0b**	**18**	**17-90**
NEIC	IV	21 17 12 44.9	27.91N	56.86E	20	4.7b		¶97iv3542
EIDC	IV	21 17 12 47.3	27.9N	56.6E	18	3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**22 17 39 41.0**±.93	**28.35N**±.042	**52.82E**±.032	**58**±8.6	**4.8b**,4.5s	**161**	**1-118**
NEIC	IV	22 17 39 38.0	28.38N	52.90E	33	4.8b		¶97iv3799
MOS	IV	22 17 39 38.4	28.3N	52.8E	33	5.2b		
BJI	IV	22 17 39 39.2	28.04N	53.16E	29	5.1b,4.9s		
EIDC	IV	22 17 39 41.5	28.3N	52.9E	53	4.5b,5.2L		
NEIC	Some houses damaged in the epicentral area.							
ISC	**IV**	**29 16 24 19**±3.1	**28.2N**±.19	**53.0E**±.18	**45**±25	**3.8b**	**9**	**1-89**
EIDC	IV	29 16 24 15.0	28.2N	52.7E	0	3.8b,2.7s		¶97iv5100
NEIC	IV	29 16 24 18.0	28.23N	52.96E	33			
NEIC	Less reliable solution.							
EIDC	**V**	**02 03 39 06.0**	**26.6N**	**56.1E**	**0**	**3.7b**		**42-91** ¶97v0204
ISC	**V**	**03 17 01 50**±1.4	**27.3N**±.26	**53.5E**±.18	**33**	**4.5b**	**6**	**16-93**
EIDC	V	03 17 01 46.0	27.2N	53.7E	0	4.5b		¶97v0469
ISC	**V**	**03 20 10 02.9**±.73	**27.6N**±.14	**53.3E**±.13	**33**	**4.0b**	**13**	**18-91**
EIDC	V	03 20 09 59.8	27.6N	53.2E	0	4.0b,4.0L		¶97v0493
NEIC	V	03 20 10 02.9	27.65N	53.30E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**04 03 58 17**±1.1	**26.7N**±.16	**54.4E**±.12	**33**	**4.0b**	**16**	**18-91**
EIDC	V	04 03 58 14.2	26.6N	54.4E	0	4.1b,4.2L		¶97v0558
NEIC	V	04 03 58 17.0	26.64N	54.44E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**05 13 21 08.0**±.59	**27.1N**±.10	**53.81E**±.091	**33**	**4.3b**,2.6s	**24**	**3-90**
EIDC	V	05 13 21 04.7	27.1N	53.9E	0	4.3b,2.6s		¶97v0787
NEIC	V	05 13 21 07.7	27.13N	53.82E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**05 13 48 49.3**±.99	**27.1N**±.17	**54.0E**±.20	**33**	**3.9b**	**9**	**35-92**
EIDC	V	05 13 48 46.5	27.1N	53.9E	0	3.9b		¶97v0794
NEIC	V	05 13 48 49.0	27.12N	53.96E	33			
NEIC	Less reliable solution.							
ISC	**V**	**05 15 11 56**±1.0	**27.12N**±.044	**53.90E**±.027	**47**±9.4	**4.8b,4.5s**	**220**	**9-133**
RYD	V	05 15 11 34.1	27.6N	55.7E	40			¶97v0800
BJI	V	05 15 11 54.0	27.04N	53.49E	53	5.0b,4.9s		
NEIC	V	05 15 11 54.0	27.10N	53.89E	33	5.0b		
MOS	V	05 15 11 54.4	27.1N	53.9E	33	5.4b,4.5s		
EIDC	V	05 15 11 55.0	27.0N	53.9E	29	4.5b,4.1s		
HRVD	V	05 15 11 57.6±.7	27.16N±.17	53.42E±.17	15			
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s10,c12; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}4.00±.69; $M_{\theta\theta}$−3.29±.55; $M_{\phi\phi}$−0.70±1.08; $M_{r\theta}$−0.05±3.43; $M_{r\phi}$3.72±2.47; $M_{\theta\phi}$−0.05±.55. Principal Axes: T 6.05,Plg61°,Azm270°; N −2.76,Plg29°,Azm90°; P −3.29,Plg0°,Azm180°. Best double couple: $M_0$4.7×10^{16}Nm, NP1: ϕ_S296°,δ52°,λ128°. NP2:ϕ_S64°,δ52°,λ52°.							
ISC	**V**	**05 15 39 52**±1.2	**27.1N**±.17	**53.9E**±.17	**33**	**4.0b**	**14**	**19-133**
EIDC	V	05 15 39 49.8	27.1N	53.8E	0	4.0b,3.5L		¶97v0805
NEIC	V	05 15 39 52.4	27.09N	53.84E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**05 15 47 33**±3.8	**27.1N**±.11	**53.87E**±.089	**29**±28	**4.0b**,3.2s	**21**	**7-92**
EIDC	V	05 15 47 30.5	26.9N	53.9E	0	4.0b,3.2s		¶97v0808
NEIC	V	05 15 47 33.8	27.03N	53.86E	33	3.9b		
BJI	V	05 15 47 34.9	26.15N	54.33E	46	4.4b		
RYD	V	05 15 47 52.9	29.2N	51.6E	40			
NEIC	Less reliable solution.							
ISC	**V**	**05 15 49 49**±4.8	**27.0N**±.17	**53.9E**±.14	**40**±43	**3.8b**	**11**	**18-92**
NEIC	V	05 15 49 47.7	26.96N	53.84E	33	3.6b		¶97v0810
EIDC	V	05 15 49 49.6	26.9N	53.8E	33	3.6b,4.5L		
NEIC	Less reliable solution.							
ISC	**V**	**05 16 00 29.5**±.90	**27.1N**±.14	**53.9E**±.15	**33**	**3.9b**	**13**	**19-92**
EIDC	V	05 16 00 26.2	27.0N	54.0E	0	3.9b,3.4L		¶97v0811
NEIC	V	05 16 00 29.5	27.04N	53.93E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**05 16 30 12**±4.6	**27.1N**±.16	**53.8E**±.14	**52**±42	**3.9b**	**11**	**18-92**
NEIC	V	05 16 30 10.0	27.05N	53.82E	33			¶97v0814
EIDC	V	05 16 30 13.8	27.1N	53.8E	53	3.6b,3.8L		
NEIC	Single network solution.							
ISC	**V**	**05 16 35 32**±1.1	**27.0N**±.23	**53.9E**±.17	**33**	**3.9b**	**9**	**18-90**
EIDC	V	05 16 35 29.0	26.9N	54.0E	0	3.9b,4.6L		¶97v0816
NEIC	V	05 16 35 32.1	27.04N	53.93E	33			
NEIC	Single network solution.							
ISC	**V**	**05 16 35 54**±10	**27.1N**±.15	**53.9E**±.11	**9**±61	**4.0b**	**16**	**18-92**
EIDC	V	05 16 35 54.0	27.0N	53.9E	0	4.0b,4.1L		¶97v0817
NEIC	V	05 16 35 57.4	27.05N	53.90E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**V**	**10 08 34 48**±2.7	**27.2N**±.44	**62.1E**±.23	**33**	**3.9b**	**7**	**29-86**
EIDC	V	10 08 34 44.7	27.3N	62.1E	0	4.0b		¶97v1555
ISC	**V**	**12 07 15 19**±2.4	**28.68N**±.092	**52.5E**±.13	**39**±22	**4.0b**	**25**	**7-89**
EIDC	V	12 07 15 14.9	28.7N	52.7E	0	4.0b,3.6L		¶97v1913
MOS	V	12 07 15 18.2	28.7N	52.5E	33	4.6b		
NEIC	V	12 07 15 18.2	28.67N	52.54E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**V**	**12 09 47 49**±9.2	**28.0N**±.12	**56.8E**±.17	**26**±64	**3.9b**	**20**	**19-90**
EIDC	V	12 09 47 46.5	27.8N	56.9E	0	3.9b,3.7L		¶97v1935
NEIC	V	12 09 47 49.6	28.01N	56.83E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**14 23 32 36**±2.4	**28.5N**±.10	**54.12E**±.074	**191**±23	**3.7b**	**37**	**16-93**
MOS	V	14 23 32 18.5	28.1N	53.9E	33	4.4b		¶97v2522
NEIC	V	14 23 32 18.6	28.36N	54.19E	33	4.0b		
EIDC	V	14 23 32 35.6	28.3N	54.1E	176	3.5b		
ISC	**V**	**17 09 03 56.3**±.87	**28.3N**±.16	**60.2E**±.18	**33**	**3.8b**,2.7s	**11**	**21-89**
EIDC	V	17 09 03 52.7	28.2N	60.4E	0	3.7b,2.9s		¶97v2905
NEIC	V	17 09 03 56.4	28.27N	60.24E	33	3.7b		
NEIC	Poor solution.							
ISC	**V**	**26 05 01 27**±1.1	**28.62N**±.062	**51.48E**±.067	**61**±11	**4.5b**	**40**	**3-123**
RYD	V	26 05 01 20.8	29.1N	51.6E	43	5.0D		¶97v4367
MOS	V	26 05 01 23.1	28.5N	51.5E	33	4.7b		
BJI	V	26 05 01 23.1	28.60N	51.70E	33	4.7b,4.6s		
NEIC	V	26 05 01 23.1	28.61N	51.67E	33	4.3b		
EIDC	V	26 05 01 23.2	28.5N	51.6E	20	4.3b		
NEIC	Less reliable solution.							
ISC	**VI**	**05 17 28 35**±1.0	**28.5N**±.20	**57.2E**±.26	**33**	**3.8b**	**6**	**32-90**
EIDC	VI	05 17 28 32.6	28.2N	57.3E	0	3.8b		¶97vi0810
NEIC	VI	05 17 28 35.5	28.46N	57.18E	33			
NEIC	Poor solution.							
ISC	**VI**	**08 03 46 37**±1.6	**28.2N**±.17	**51.7E**±.31	**33**	**4.0b**	**12**	**17-89**
EIDC	VI	08 03 46 32.8	28.1N	51.8E	0	4.1b,3.9L		¶97vi1174
NEIC	VI	08 03 46 36.3	28.13N	51.77E	33	3.8b		
NEIC	Poor solution.							

ISC	**VI**	**23 19 31 37**±1.5	**28.06N**±.077	**51.93E**±.045	**57**±13	**4.4b**,4.5s	**70**	**8-94**
BJI	VI	23 19 31 32.9	27.85N	51.66E	42	4.6b,4.7s		¶97vi3583
MOS	VI	23 19 31 33.7	28.0N	51.9E	33	4.6b		
NEIC	VI	23 19 31 33.8	28.01N	51.94E	33	4.4b		
EIDC	VI	23 19 31 35.9	28.0N	51.9E	34	4.1b,4.4L		

(354) Western Pakistan.

ISC	**I**	**20 05 55 59**±1.7	**25.5N**±.25	**64.80E**±.099	**33**	**4.1b**	**17**	**9-87**
EIDC	I	20 05 55 52.2	24.7N	64.5E	0	4.1b		¶97i2948
NEIC	I	20 05 55 58.7	25.33N	64.61E	33	4.1b		
NEIC	Poor solution.							
ISC	**III**	**10 15 06 47**±6.1	**26.2N**±.15	**62.9E**±.15	**31**±45	**3.9b**	**19**	**8-92**
EIDC	III	10 15 06 41.9	25.8N	62.8E	0	4.0b,4.9L		¶97iii2236
NEIC	III	10 15 06 47.5	26.23N	62.88E	33	4.9b		
MOS	III	10 15 06 48.3	26.3N	63.0E	33	4.8b		
NEIC	Less reliable solution.							
ISC	**III**	**23 07 15 38.1**±.92	**26.2N**±.16	**64.4E**±.12	**33**	**3.8b,4.0s**	**13**	**11-92**
EIDC	III	23 07 15 35.1	26.3N	64.5E	0	3.8b,3.8s		¶97iii4415
NEIC	III	23 07 15 38.0	26.22N	64.49E	33			
NEIC	Less reliable solution.							

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(357) South-Western Russia.

ISC	**III**	**03 05 38 26**±1.7	**45.37N**±.074	**28.1E**±.20	**0**		**10**	**0-2**
BUC	III	03 05 38 27.4	45.34N	27.93E	0	3.1D		¶97iii0486
ISC	**III**	**13 08 13 41**±1.7	**45.15N**±.075	**28.8E**±.18	**0**	3.6b	**20**	**0-25**
BUC	III	13 08 13 45.0	45.09N	28.39E	0	3.3D		¶97iii2671
EIDC	III	13 08 14 18.4	48.3N	28.0E	0	4.0L,3.2b		
ISC	**IV**	**03 11 38 23**±5.1	**45.0N**±.16	**28.9E**±.47	**0**		**5**	**1-2**
BUC	IV	03 11 38 21.9	45.00N	29.03E	0	3.1D		¶97iv0422
ISC	**V**	**17 07 00 15**±1.2	**45.17N**±.053	**28.4E**±.15	**5**	3.3b	**18**	**0-24**
NEIC	V	17 07 00 15.8	44.97N	28.55E	33			¶97v2894
BUC	V	17 07 00 17.0	45.07N	28.15E	5	3.3D		
EIDC	V	17 07 00 34.1	46.5N	26.0E	0	3.7L,3.2b		
NEIC	Less reliable solution.							
BUC	**VI**	**21 08 44 50.9**	**45.09N**	**28.23E**	**0**	**2.2D**		¶97vi3184
ISC	**VI**	**27 12 53 22**±5.0	**45.0N**±.15	**29.0E**±.46	**0**		**7**	**1-2**
BUC	VI	27 12 53 21.5	45.02N	28.98E	0	3.1D		¶97vi4297

(358) Romania.

ISC	**I**	**01 01 44 02.1**±.72	**45.68N**±.064	**26.6E**±.10	**140**±10		**23**	**0-23**
MOS	I	01 01 44 02.1	45.7N	26.6E	135	3.6b		¶97i0010
BUC	I	01 01 44 02.3	45.72N	26.63E	141	4.2D		
NEIC	I	01 01 44 02.3	45.66N	26.58E	141	3.6b		
BUC	**I**	**01 10 49 10.4**	**45.77N**	**26.85E**	**84**	**2.8D**		¶97i0062
BUC	**I**	**02 17 25 26.2**	**45.94N**	**26.65E**	**5**	**2.4D**		¶97i0252
BUC	**I**	**03 00 00 24.4**	**45.98N**	**26.65E**	**0**	**2.2D**		¶97i0287
ISC	**I**	**04 09 04 10**±2.3	**46.2N**±.28	**26.9E**±.27	**109**		**5**	**0-32**
BUC	I	04 09 04 13.5	45.78N	26.80E	109	3.3D		¶97i0509
BUC	**I**	**04 11 43 19.1**	**45.68N**	**26.48E**	**158**	**3.4D**		¶97i0534
BUC	**I**	**04 18 39 44.8**	**45.60N**	**26.64E**	**93**	**2.8D**		¶97i0572
BUC	**I**	**04 20 17 26.5**	**45.71N**	**26.60E**	**73**	**2.5D**		¶97i0581
BUC	**I**	**05 14 55 25.5**	**45.59N**	**26.48E**	**141**	**3.2D**		¶97i0684
BUC	**I**	**07 02 11 47.0**	**45.70N**	**26.81E**	**62**	**2.2D**		¶97i0868
ISC	**I**	**07 02 42 40**±2.1	**45.8N**±.43	**26.8E**±.33	**128**		**4**	**0-1**
BUC	I	07 02 42 40.6	45.67N	26.73E	128	3.0D		¶97i0872
ISC	Poorly determined							
ISC	**I**	**08 12 48 44**±1.9	**45.4N**±.19	**25.3E**±.15	**0**		**5**	**0-1**
BUC	I	08 12 48 44.1	45.38N	25.36E	0	2.7D		¶97i1061
BUC	**I**	**10 15 17 56.9**	**45.37N**	**26.23E**	**138**	**2.9D**		¶97i1385
BUC	**I**	**10 21 26 40.2**	**45.79N**	**26.61E**	**92**	**2.7D**		¶97i1429
BUC	**I**	**12 04 23 52.2**	**45.76N**	**26.63E**	**140**	**3.4D**		¶97i1622
BUC	**I**	**14 01 23 28.1**	**45.62N**	**26.66E**	**67**	**2.4D**		¶97i1929
BUC	**I**	**14 07 12 03.1**	**45.70N**	**26.64E**	**125**	**3.4D**		¶97i1967
BUC	**I**	**14 13 02 14.3**	**45.27N**	**25.43E**	**0**	**2.2D**		¶97i1996
BUC	**I**	**14 16 53 36.2**	**45.48N**	**26.48E**	**120**	**3.2D**		¶97i2024
BUC	**I**	**15 12 56 14.6**	**45.02N**	**25.94E**	**0**	**2.5D**		¶97i2160
BUC	**I**	**19 19 31 19.0**	**45.70N**	**26.75E**	**122**	**3.4D**		¶97i2877
ISC	**I**	**20 02 48 33**±1.3	**45.6N**±.35	**26.5E**±.44	**112**		**4**	**0-0**
BUC	I	20 02 48 33.4	45.56N	26.61E	112	3.1D		¶97i2928
ISC	Poorly determined							
ISC	**I**	**23 04 06 39**±5.7	**45.6N**±.39	**26.3E**±.17	**143**±56		**9**	**0-1**
BUC	I	23 04 06 41.4	45.24N	26.31E	127	3.4D		¶97i3433
ISC	**I**	**23 14 22 24**±6.4	**45.7N**±.26	**26.7E**±.19	**135**±63		**9**	**0-2**
BUC	I	23 14 22 23.6	45.74N	26.71E	144	3.6D		¶97i3508
BUC	**I**	**24 17 41 23.4**	**45.34N**	**26.36E**	**110**	**3.0D**		¶97i3672
BUC	**I**	**25 17 38 52.2**	**45.55N**	**26.59E**	**133**	**3.2D**		¶97i3836
ISC	**I**	**26 21 32 54**±4.5	**45.5N**±.20	**26.4E**±.16	**147**±45		**9**	**0-2**
BUC	I	26 21 32 55.3	45.54N	26.39E	147	3.8D		¶97i4001
BUC	**I**	**28 11 00 02.2**	**45.58N**	**26.60E**	**111**	**3.0D**		¶97i4203
BUC	**I**	**29 13 37 35.8**	**45.09N**	**27.15E**	**15**	**2.5D**		¶97i4358
BUC	**I**	**29 14 16 28.1**	**45.71N**	**27.69E**	**0**	**2.0D**		¶97i4361
BUC	**I**	**30 22 28 13.1**	**45.52N**	**26.58E**	**121**	**2.9D**		¶97i4553
BUC	**II**	**02 04 17 26.5**	**45.40N**	**26.36E**	**129**	**2.8D**		¶97ii0171
BUC	**II**	**02 06 09 56.2**	**45.75N**	**26.56E**	**85**	**3.2D**		¶97ii0183
ISC	**II**	**02 09 16 09**±3.6	**45.6N**±.20	**26.4E**±.17	**105**±36		**8**	**0-1**
BUC	II	02 09 16 07.9	45.47N	26.48E	119	3.4D		¶97ii0204
ISC	**II**	**03 08 37 49**±4.4	**45.5N**±.22	**26.5E**±.17	**124**±42		**9**	**0-1**
BUC	II	03 08 37 48.5	45.46N	26.45E	136	3.4D		¶97ii0347
ISC	**II**	**04 03 41 55**±2.4	**45.8N**±.21	**26.4E**±.21	**30**		**4**	**0-1**
BUC	II	04 03 41 56.5	45.65N	26.44E	30	2.1D		¶97ii0460
ISC	Poorly determined							
BUC	**II**	**04 05 08 22.2**	**45.52N**	**26.54E**	**126**	**2.8D**		¶97ii0465
ISC	**II**	**04 06 14 13.7**±.89	**45.5N**±.30	**26.7E**±.21	**155**		**9**	**0-1**
BUC	II	04 06 14 12.7	45.51N	26.32E	155	3.3D		¶97ii0475
BUC	**II**	**05 13 29 10.8**	**45.28N**	**25.41E**	**0**	**2.2D**		¶97ii0695
BUC	**II**	**06 12 38 37.3**	**44.68N**	**26.35E**	**15**	**3.0D**		¶97ii0838
ISC	**II**	**06 22 25 18**±5.3	**45.6N**±.23	**26.5E**±.20	**133**±51		**8**	**0-2**
BUC	II	06 22 25 19.2	45.59N	26.45E	134	3.7D		¶97ii0912
ISC	**II**	**07 13 40 37**±1.1	**45.3N**±.14	**25.66E**±.081	**10**		**13**	**0-3**
NEIC	II	07 13 40 30.0	44.82N	25.44E	10			¶97ii0995
BUC	II	07 13 40 35.5	45.38N	25.36E	1	2.9D		
NEIC	Poor solution.							
BUC	**II**	**07 20 10 24.3**	**45.70N**	**26.74E**	**134**	**3.0D**		¶97ii1030
ISC	**II**	**07 21 28 34**±1.7	**45.62N**±.097	**26.4E**±.10	**143**±19		**19**	**0-4**
NEIC	II	07 21 28 33.6	45.62N	26.45E	157			¶97ii1044
BUC	II	07 21 28 34.1	45.67N	26.53E	150	4.0D		
NEIC	Single network solution.							
BUC	**II**	**08 02 08 57.4**	**45.45N**	**26.38E**	**132**	**3.0D**		¶97ii1076
BUC	**II**	**09 04 24 22.4**	**44.80N**	**27.16E**	**5**	**2.8D**		¶97ii1251
ISC	**II**	**10 08 38 13.8**±.74	**45.4N**±.10	**23.79E**±.063	**0**		**13**	**1-4**
BUC	II	10 08 38 12.4	45.23N	23.79E	0	3.6D		¶97ii1438
BUC	**II**	**19 13 20 13.1**	**45.91N**	**27.68E**	**5**	**2.2D**		¶97ii2797
ISC	**II**	**20 21 31 04**±6.8	**45.5N**±.27	**26.4E**±.17	**162**±65		**10**	**0-1**
BUC	II	20 21 31 06.4	45.59N	26.50E	139	3.3D		¶97ii2982
ISC	**II**	**22 01 44 03**±1.5	**45.7N**±.13	**26.4E**±.14	**10**±25		**5**	**0-1**
BUC	II	22 01 44 02.9	45.71N	26.51E	15	2.8D		¶97ii3150
NEIC	II	22 01 44 03.2	45.71N	26.36E	10			
ISC	Poorly determined							
NEIC	Single network solution.							
BUC	**II**	**25 14 42 23.3**	**45.72N**	**27.14E**	**66**	**2.4D**		¶97ii3640
ISC	**II**	**27 01 35 22.2**±.98	**45.6N**±.20	**26.6E**±.25	**141**		**7**	**0-1**
NEIC	II	27 01 35 15.7	45.58N	26.41E	200			¶97ii3886
BUC	II	27 01 35 22.3	45.60N	26.52E	141	3.3D		
NEIC	Poor solution.							
BUC	**III**	**01 09 02 34.9**	**45.80N**	**26.46E**	**12**	**2.0D**		¶97iii0079
ISC	**III**	**01 19 26 05.9**±.29	**45.71N**±.026	**26.65E**±.045	**118**±5.0	**3.9b**	**102**	**0-118**
NEIC	III	01 19 26 05.4	45.78N	26.60E	115	4.0b		¶97iii0173
MOS	III	01 19 26 05.7	45.7N	26.6E	122	4.0b		
EIDC	III	01 19 26 06.6	45.8N	26.6E	104	3.7b		
BUC	III	01 19 26 09.6	45.62N	26.68E	81	4.4D		
THE	III	01 19 26 14.0	45.1N	26.1E	10	4.1L		
PDG	III	01 19 26 14.5	45.6N	25.6E	126	4.2L		
NEIC	Felt slightly at Bucharest.							
BUC	**III**	**04 01 53 10.4**	**45.26N**	**25.36E**	**0**	**1.9D**		¶97iii0746
BUC	**III**	**05 13 19 18.0**	**45.07N**	**25.20E**	**0**	**2.4D**		¶97iii1066
ISC	**III**	**05 20 32 43**±2.3	**46.2N**±.16	**26.6E**±.14	**13**		**8**	**0-2**
BUC	III	05 20 32 40.1	46.38N	26.58E	13	2.8D		¶97iii1128
ISC	**III**	**06 01 54 03**±1.4	**44.9N**±.14	**27.3E**±.12	**0**		**7**	**1-1**
BUC	III	06 01 54 03.0	44.89N	27.27E	0	2.6D		¶97iii1164
ISC	**III**	**06 05 25 18**±1.7	**45.7N**±.16	**27.3E**±.14	**14**		**6**	**0-1**
BUC	III	06 05 25 17.8	45.76N	27.26E	14	1.9D		¶97iii1204
BUC	**III**	**06 13 49 41.9**	**45.05N**	**25.94E**	**0**	**2.2D**		¶97iii1282
ISC	**III**	**07 03 43 54**±1.6	**45.7N**±.34	**26.8E**±.24	**63**		**5**	**0-1**
BUC	III	07 03 43 54.1	45.70N	26.78E	63	2.5D		¶97iii1427
ISC	Poorly determined							
ISC	**III**	**08 20 21 01**±1.7	**45.6N**±.15	**26.2E**±.18	**16**		**4**	**0-1**
BUC	III	08 20 21 01.7	45.60N	26.21E	16	2.4D		¶97iii1823
ISC	Poorly determined							
ISC	**III**	**11 12 18 51.2**±.75	**45.4N**±.11	**25.33E**±.061	**3**		**9**	**0-2**
BUC	III	11 12 18 51.5	45.37N	25.36E	3	3.1D		¶97iii2374
ISC	**III**	**12 12 19 35**±1.6	**45.4N**±.50	**26.5E**±.37	**134**		**4**	**0-1**
BUC	III	12 12 19 35.4	45.63N	26.57E	134	3.1D		¶97iii2536
ISC	Poorly determined							
ISC	**III**	**12 21 06 12**±1.2	**45.4N**±.11	**26.8E**±.12	**0**		**5**	**0-1**
BUC	III	12 21 06 12.7	45.35N	26.84E	0	2.2D		¶97iii2586
ISC	**III**	**19 12 01 00.1**±.90	**45.7N**±.16	**26.8E**±.16	**110**		**9**	**0-1**
BUC	III	19 12 01 00.0	45.79N	26.90E	110	3.1D		¶97iii3700
ISC	**III**	**19 20 51 01.8**±.64	**45.50N**±.084	**26.4E**±.11	**130**		**17**	**0-4**
BUC	III	19 20 50 59.9	45.56N	26.39E	151	4.0D		¶97iii3765
NEIC	III	19 20 51 01.8	45.51N	26.38E	130			
NEIC	Single network solution.							
ISC	**III**	**20 01 32 37.3**±.78	**45.52N**±.093	**26.73E**±.090	**24**±9.9		**9**	**0-2**
BUC	III	20 01 32 36.6	45.59N	26.76E	39	2.7D		¶97iii3806
BUC	**III**	**20 05 44 36.3**	**45.53N**	**26.03E**	**65**	**2.4D**		¶97iii3848
BUC	**III**	**20 21 04 11.6**	**45.84N**	**26.80E**	**64**	**1.9D**		¶97iii3953
ISC	**III**	**21 10 09 54.7**±.78	**45.5N**±.16	**26.8E**±.16	**125**		**10**	**0-1**
NEIC	III	21 10 09 51.9	45.52N	26.60E	150			¶97iii4054
BUC	III	21 10 09 55.0	45.61N	26.80E	125	3.0D		
NEIC	Poor solution.							
ISC	**III**	**22 22 08 04**±1.5	**45.7N**±.25	**26.5E**±.32	**80**		**6**	**0-1**
BUC	III	22 22 08 04.5	45.68N	26.63E	80	2.3D		¶97iii4327
ISC	**III**	**24 23 58 36**±1.2	**45.5N**±.12	**26.9E**±.14	**5**		**4**	**0-1**
BUC	III	24 23 58 35.6	45.47N	26.94E	5	2.2D		¶97iii4643
ISC	Poorly determined							
ISC	**III**	**25 03 21 30**±3.2	**45.4N**±.32	**24.5E**±.19	**5**		**5**	**0-1**
BUC	III	25 03 21 30.1	45.44N	24.52E	5	2.5D		¶97iii4664
ISC	Poorly determined							
BUC	**III**	**25 21 56 09.5**	**45.85N**	**26.38E**	**5**	**2.3D**		¶97iii4800
BUC	**III**	**26 20 06 24.6**	**45.95N**	**26.84E**	**71**	**2.5D**		¶97iii5066
ISC	**III**	**27 14 56 55**±1.1	**45.2N**±.16	**24.24E**±.080	**0**		**8**	**0-3**
BUC	III	27 14 56 53.2	45.12N	24.19E	0	2.6D		¶97iii5247
ISC	**III**	**27 18 16 02.1**±.49	**45.40N**±.089	**26.2E**±.11	**143**±5.2	**3.5b**	**22**	**0-119**
NEIC	III	27 18 16 02.1	45.40N	26.16E	144			¶97iii5279
BUC	III	27 18 16 02.8	45.40N	26.33E	138	4.0D		
EIDC	III	27 18 16 03.1	45.4N	26.0E	136	3.3b		
NEIC	Less reliable solution.							
BUC	**III**	**28 10 13 31.5**	**45.21N**	**25.15E**	**5**	**2.4D**		¶97iii5417
ISC	**III**	**29 13 29 08**±1.8	**45.2N**±.15	**26.0E**±.13	**13**		**5**	**0-1**
BUC	III	29 13 29 07.8	45.27N	26.06E	13	2.9D		¶97iii5595
BUC	**IV**	**01 12 00 24.2**	**45.69N**	**27.10E**	**26**	**2.3D**		¶97iv0066
ISC	**IV**	**02 20 48 36.3**±.80	**45.67N**±.054	**27.64E**±.094	**5**	3.0b	**18**	**0-24**
EIDC	IV	02 20 48 25.7	45.1N	28.7E	0	3.5L,3.1b		¶97iv0314
BUC	IV	02 20 48 36.8	45.65N	27.64E	5	3.5D		
ISC	**IV**	**03 12 15 14**±3.0	**45.3N**±.84	**25.4E**±.53	**0**		**4**	**0-1**
BUC	IV	03 12 15 13.4	45.29N	25.41E	0	2.4D		¶97iv0426
ISC	Poorly determined							
ISC	**IV**	**06 01 37 38**±2.9	**45.8N**±.17	**26.8E**±.16	**80**±31		**7**	**0-1**
NEIC	IV	06 01 37 36.4	45.71N	26.76E	100			¶97iv0901
BUC	IV	06 01 37 37.5	45.77N	26.84E	81	3.2D		
NEIC	Single network solution.							
BUC	**IV**	**11 01 11 39.2**	**44.94N**	**25.20E**	**6**	**1.9D**		¶97iv1775
ISC	**IV**	**11 02 39 04**±2.0	**45.5N**±.11	**26.4E**±.12	**121**±23		**15**	**0-4**
NEIC	IV	11 02 39 01.1	45.44N	26.36E	150			¶97iv1789
BUC	IV	11 02 39 02.1	45.55N	26.39E	135	3.8D		
NEIC	Single network solution.							
BUC	**IV**	**11 16 49 01.5**	**45.73N**	**27.73E**	**132**	**3.0D**		¶97iv1939
ISC	**IV**	**17 18 04 51**±1.4	**45.6N**±.31	**26.7E**±.27	**106**		**4**	**0-1**
BUC	IV	17 18 04 50.9	45.56N	26.73E	106	2.7D		¶97iv2952
ISC	Poorly determined							
ISC	**IV**	**17 18 30 25**±1.3	**45.55N**±.079	**26.51E**±.095	**119**±16		**23**	**0-4**
NEIC	IV	17 18 30 25.9	45.53N	26.47E	110			¶97iv2954
BUC	IV	17 18 30 26.2	45.57N	26.55E	106	3.8D		
BUC	**IV**	**19 02 11 03.2**	**45.76N**	**26.17E**	**134**	**3.3D**		¶97iv3140

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
BUC	**IV 21 08 39 02.0**	**44.67N**	**28.18E**	**0**	**2.6D**		**¶97iv3432**
ISC	**IV 22 17 38 57**±1.7	**45.8N**±.27	**26.9E**±.22	**113**		**6**	**0-1**
BUC	IV 22 17 38 57.0	45.69N	26.82E	113	2.8D		¶97iv3798
ISC	**IV 23 11 24 59**±1.5	**45.2N**±.30	**25.2E**±.12	**0**		**9**	**0-3**
BUC	IV 23 11 24 57.8	45.13N	25.20E	0	3.0D		¶97iv3944
ISC	**IV 23 12 37 06.6**±.72	**45.3N**±.13	**25.45E**±.063	**0**		**10**	**0-3**
BUC	IV 23 12 37 04.4	45.47N	25.31E	0	3.0D		¶97iv3958
ISC	**IV 27 17 14 49**±6.9	**46.3N**±.51	**27.2E**±.18	**15**		**6**	**1-2**
BUC	IV 27 17 14 50.7	46.15N	27.13E	15	3.0D		¶97iv4764
ISC	**IV 27 17 16 24**±6.6	**46.2N**±.49	**27.1E**±.17	**17**		**6**	**0-2**
BUC	IV 27 17 16 25.4	46.11N	27.10E	17	2.7D		¶97iv4765
ISC	**IV 27 18 06 18**±1.0	**45.13N**±.095	**27.1E**±.10	**10**		**6**	**0-1**
BUC	IV 27 18 06 18.2	45.19N	27.16E	5	2.8D		¶97iv4772
NEIC	IV 27 18 06 18.2	45.17N	27.14E	10			
NEIC	Single network solution.						
BUC	**IV 27 19 17 47.8**	**45.94N**	**27.20E**	**0**	**2.5D**		**¶97iv4780**
ISC	**IV 27 19 49 10**±3.8	**45.7N**±.25	**26.7E**±.15	**71**±36		**7**	**0-1**
NEIC	IV 27 19 49 07.9	45.76N	26.70E	100			¶97iv4783
BUC	IV 27 19 49 09.4	45.70N	26.73E	82	2.7D		
NEIC	Single network solution.						
ISC	**IV 27 22 34 13**±3.6	**45.9N**±.30	**27.1E**±.20	**15**		**4**	**0-1**
BUC	IV 27 22 34 11.9	45.98N	27.15E	15	2.2D		¶97iv4801
ISC	Poorly determined						
ISC	**IV 28 01 40 48**±1.5	**46.2N**±.12	**27.2E**±.18	**25**	3.0b	**6**	**0-67**
BUC	IV 28 01 40 48.0	46.24N	27.18E	25	3.0D		¶97iv4824
ISC	**IV 28 14 55 28**±1.4	**46.1N**±.12	**27.1E**±.11	**9**±12		**8**	**0-2**
BUC	IV 28 14 55 26.1	46.19N	27.20E	13	3.0D		¶97iv4941
NEIC	IV 28 14 55 27.4	46.22N	27.10E	33			
NEIC	Single network solution.						
ISC	**IV 30 08 03 02**±2.3	**45.8N**±.21	**26.3E**±.19	**14**		**4**	**0-1**
BUC	IV 30 08 03 00.7	45.90N	26.19E	14	2.5D		¶97iv5181
ISC	Poorly determined						
BUC	**IV 30 11 55 32.1**	**44.45N**	**28.61E**	**0**	**2.7D**		**¶97iv5216**
ISC	**IV 30 13 43 03**±1.6	**45.6N**±.15	**27.3E**±.14	**15**		**5**	**0-1**
BUC	IV 30 13 43 02.9	45.61N	27.25E	15	2.3D		¶97iv5224
ISC	**IV 30 22 05 33**±4.0	**45.8N**±.23	**26.7E**±.18	**150**±34		**15**	**0-4**
BUC	IV 30 22 05 35.9	45.71N	26.65E	137	4.0D		¶97iv5275
NEIC	IV 30 22 05 37.1	45.57N	26.60E	130			
NEIC	Single network solution.						
BUC	**V 01 15 28 12.0**	**45.50N**	**26.34E**	**5**	**1.8D**		**¶97v0119**
ISC	**V 01 16 25 57**±1.9	**45.8N**±.28	**26.9E**±.23	**110**		**5**	**0-1**
BUC	V 01 16 25 56.9	45.74N	26.86E	110	2.7D		¶97v0124
ISC	**V 01 22 51 16**±2.0	**45.8N**±.17	**27.2E**±.15	**14**		**5**	**0-1**
BUC	V 01 22 51 15.4	45.78N	27.24E	14	2.2D		¶97v0170
BUC	**V 02 13 51 01.8**	**45.71N**	**26.70E**	**132**	**3.0D**		**¶97v0275**
ISC	**V 06 03 00 10**±1.2	**45.5N**±.15	**27.1E**±.17	**6**		**4**	**0-1**
BUC	V 06 03 00 09.5	45.49N	27.05E	6	2.3D		¶97v0897
ISC	Poorly determined						
BUC	**V 06 07 48 26.2**	**44.36N**	**27.18E**	**30**	**2.5D**		**¶97v0931**
ISC	**V 07 10 22 49**±1.5	**45.8N**±.31	**26.7E**±.32	**144**		**5**	**0-2**
BUC	V 07 10 22 49.8	45.68N	26.61E	144	3.1D		¶97v1081
BUC	**V 08 10 39 20.4**	**45.32N**	**25.39E**	**0**	**2.3D**		**¶97v1228**
ISC	**V 09 16 26 55**±5.3	**45.5N**±.34	**26.2E**±.17	**142**±52		**8**	**0-2**
NEIC	V 09 16 26 54.1	45.45N	26.18E	155			¶97v1449
BUC	V 09 16 26 56.6	45.34N	26.20E	130	3.4D		
NEIC	Single network solution.						
ISC	**V 11 09 54 25**±1.1	**45.5N**±.11	**26.9E**±.13	**5**		**5**	**0-1**
BUC	V 11 09 54 25.1	45.44N	26.86E	5	2.5D		¶97v1766
BUC	**V 12 08 30 01.8**	**44.88N**	**26.28E**	**0**	**2.5D**		**¶97v1923**
ISC	**V 14 21 38 21**±1.5	**45.5N**±.36	**26.4E**±.33	**133**		**4**	**0-1**
BUC	V 14 21 38 20.5	45.45N	26.34E	133	3.2D		¶97v2510
ISC	Poorly determined						
ISC	**V 14 23 56 24**±1.1	**45.6N**±.26	**26.4E**±.29	**151**		**7**	**0-1**
BUC	V 14 23 56 24.8	45.64N	26.54E	151	3.5D		¶97v2526
BUC	**V 15 07 18 44.2**	**44.46N**	**28.57E**	**0**	**2.3D**		**¶97v2573**
ISC	**V 15 16 02 18**±1.6	**45.3N**±.23	**27.2E**±.13	**14**		**4**	**1-1**
BUC	V 15 16 02 18.0	45.25N	27.26E	14	2.3D		¶97v2645
ISC	Poorly determined						
BUC	**V 16 10 57 16.1**	**44.44N**	**26.06E**	**30**	**2.9D**		**¶97v2761**
ISC	**V 19 05 44 08**±5.3	**45.1N**±.27	**22.4E**±.18	**6**±26		**9**	**0-3**
BUC	V 19 05 44 05.8	44.93N	22.45E	4	3.2D		¶97v3205
BUC	**V 21 19 34 39.1**	**45.55N**	**26.58E**	**128**	**2.8D**		**¶97v3595**
BUC	**V 24 05 13 49.5**	**45.37N**	**26.77E**	**0**	**2.3D**		**¶97v4057**
BUC	**V 25 22 49 29.1**	**45.59N**	**26.44E**	**149**	**3.3D**		**¶97v4330**
ISC	**V 26 12 42 44.0**±.97	**45.62N**±.076	**27.6E**±.11	**15**		**8**	**0-1**
BUC	V 26 12 42 43.1	45.64N	27.62E	15	2.8D		¶97v4411
BUC	**V 27 10 58 46.3**	**45.42N**	**26.27E**	**113**	**2.8D**		**¶97v4557**
BUC	**V 28 07 44 28.4**	**44.46N**	**28.58E**	**0**	**2.7D**		**¶97v4678**
ISC	**V 28 11 49 01**±2.9	**45.0N**±.20	**25.5E**±.12	**0**		**6**	**0-1**
BUC	V 28 11 49 04.7	45.23N	25.46E	0	2.7D		¶97v4711
BUC	**V 30 00 53 03.1**	**45.28N**	**25.54E**	**0**	**2.2D**		**¶97v4950**
BUC	**V 30 03 00 05.2**	**45.42N**	**25.45E**	**0**	**1.8D**		**¶97v4968**
BUC	**V 30 03 08 05.2**	**45.28N**	**25.54E**	**0**	**1.7D**		**¶97v4970**
ISC	**V 30 15 52 55**±5.9	**45.4N**±.19	**26.5E**±.20	**112**±63		**11**	**0-2**
BUC	V 30 15 52 54.5	45.54N	26.45E	122	3.3D		¶97v5059
NEIC	V 30 15 52 55.6	45.40N	26.41E	100			
NEIC	Less reliable solution.						
ISC	**V 31 05 29 02.2**±.48	**45.61N**±.056	**26.50E**±.097	**143**±5.5	**3.2b**	**33**	**0-70**
EIDC	V 31 05 29 00.5	45.8N	26.7E	118	3.0b		¶97v5153
NEIC	V 31 05 29 01.7	45.75N	26.45E	140			
MOS	V 31 05 29 01.9	45.6N	26.4E	140	4.4b		
BUC	V 31 05 29 05.4	45.60N	26.46E	115	4.1D		
NEIC	Less reliable solution.						
BUC	**V 31 08 07 04.7**	**45.30N**	**25.53E**	**5**	**1.8D**		**¶97v5168**
BUC	**V 31 23 55 47.7**	**45.41N**	**25.44E**	**0**	**1.7D**		**¶97v5259**
BUC	**VI 03 22 59 55.9**	**45.30N**	**25.53E**	**5**	**1.7D**		**¶97vi0531**
BUC	**VI 04 10 49 06.1**	**45.18N**	**25.20E**	**0**	**2.4D**		**¶97vi0603**
ISC	**VI 04 23 54 04.9**±.70	**45.5N**±.16	**26.5E**±.14	**129**		**11**	**0-1**
BUC	VI 04 23 54 04.8	45.55N	26.52E	129	3.4D		¶97vi0687
ISC	**VI 05 14 04 09**±7.2	**46.7N**±.46	**27.5E**±.30	**3**		**5**	**0-2**
BUC	VI 05 14 04 10.0	46.61N	27.49E	3	2.6D		¶97vi0785
ISC	**VI 06 15 41 12.7**±.84	**45.7N**±.15	**26.9E**±.15	**107**		**10**	**0-2**
BUC	VI 06 15 41 12.6	45.74N	26.88E	107	2.9D		¶97vi0952
ISC	**VI 07 21 23 44**±1.2	**45.3N**±.11	**25.80E**±.093	**2**		**6**	**0-2**
BUC	VI 07 21 23 43.6	45.25N	25.81E	2	2.7D		¶97vi1146
BUC	**VI 13 09 24 09.3**	**44.99N**	**28.73E**	**0**	**3.0D**		**¶97vi1965**
NEIC	VI 13 09 23 59.7	45.02N	28.89E	5			
NEIC	Single network solution.						
ISC	**VI 13 22 30 29.6**±.82	**45.35N**±.079	**26.9E**±.11	**100**		**18**	**0-4**
NEIC	VI 13 22 30 25.6	45.69N	26.65E	100			¶97vi2050
BUC	VI 13 22 30 34.1	45.73N	26.75E	78	3.5D		
NEIC	Single network solution.						
ISC	**VI 14 09 35 15**±1.5	**45.7N**±.20	**26.7E**±.19	**71**		**5**	**0-1**
BUC	VI 14 09 35 14.9	45.67N	26.62E	71	2.3D		¶97vi2111
ISC	**VI 14 14 11 47.7**±.69	**45.5N**±.14	**26.6E**±.11	**100**		**10**	**0-1**
BUC	VI 14 14 11 44.5	45.57N	26.55E	134	3.4D		¶97vi2136
NEIC	VI 14 14 11 47.7	45.49N	26.64E	100			
NEIC	Single network solution.						
BUC	**VI 15 03 49 24.3**	**45.62N**	**26.54E**	**116**	**3.2D**		**¶97vi2233**
ISC	**VI 16 15 42 27**±1.3	**45.5N**±.11	**26.7E**±.12	**0**		**4**	**0-1**
BUC	VI 16 15 42 27.5	45.47N	26.71E	0	2.1D		¶97vi2489
ISC	Poorly determined						
BUC	**VI 19 11 33 06.4**	**45.65N**	**26.55E**	**137**	**3.0D**		**¶97vi2913**
BUC	**VI 20 02 25 21.4**	**45.70N**	**26.66E**	**142**	**3.0D**		**¶97vi2990**
ISC	**VI 22 14 40 23**±1.8	**45.8N**±.26	**26.7E**±.20	**94**		**5**	**0-2**
BUC	VI 22 14 40 22.5	45.83N	26.68E	94	3.2D		¶97vi3400
BUC	**VI 24 01 40 09.3**	**45.82N**	**26.82E**	**138**	**3.2D**		**¶97vi3617**
ISC	**VI 26 14 10 48.0**±.79	**45.6N**±.17	**26.7E**±.15	**134**		**8**	**0-1**
BUC	VI 26 14 10 47.6	45.75N	26.70E	134	3.5D		¶97vi4153
ISC	**VI 27 20 48 06**±3.3	**45.5N**±.14	**26.5E**±.14	**105**±36		**9**	**0-2**
BUC	VI 27 20 48 04.7	45.53N	26.48E	116	3.8D		¶97vi4367
ISC	**VI 29 10 49 40**±1.3	**45.3N**±.16	**26.8E**±.14	**32**±16		**6**	**0-1**
BUC	VI 29 10 49 40.4	45.28N	26.76E	36	2.7D		¶97vi4614
NEIC	VI 29 10 49 40.9	45.28N	26.78E	33			

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ISC	**I 20 04 12 19**±1.0	**42.37N**±.042	**26.15E**±.047	**7**±8.6		**35**	**0-5**
SOF	I 20 04 12 18.3	42.44N	26.18E	17	3.2D		¶97i2939
ISK	I 20 04 12 24.6	42.12N	26.78E	5	3.4D		
SOF	**II 25 15 53 47.7**	**42.03N**	**24.78E**	**2**	**2.5D**		**¶97ii3653**
ISC	**IV 02 16 10 39.8**±.48	**42.06N**±.046	**26.52E**±.048	**8**		**27**	**0-5**
ISK	IV 02 16 10 38.0	42.05N	26.39E	5	3.3D		¶97iv0270
NEIC	IV 02 16 10 38.0	42.09N	26.33E	10			
THE	IV 02 16 10 38.2	42.2N	26.7E	0	3.3L		
SOF	IV 02 16 10 39.5	42.04N	26.60E	8	3.0D		
NEIC	Less reliable solution.						
SOF	**IV 23 14 31 53.8**	**42.01N**	**24.76E**	**0**	**2.5D**		**¶97iv3975**
SOF	**V 03 12 55 36.0**	**42.83N**	**23.51E**	**15**	**2.7D**		**¶97v0443**
SOF	**V 07 09 06 09.7**	**43.39N**	**27.69E**	**0**	**2.8D**		**¶97v1072**
SOF	**V 08 14 30 29.7**	**42.88N**	**23.51E**	**12**	**2.4D**		**¶97v1262**
ISC	**VI 04 10 39 26**±10	**42.2N**±.58	**22.2E**±.15	**11**		**6**	**1-2**
THE	VI 04 10 39 39.0	41.6N	22.3E	11	1.6L		¶97vi0598
ISC	**VI 26 13 10 08.7**±.71	**42.02N**±.050	**23.43E**±.068	**3**		**13**	**0-2**
SOF	VI 26 13 10 08.7	42.03N	23.43E	3	2.6D		¶97vi4144
THE	VI 26 13 10 12.9	41.9N	23.4E	2	2.8L		
ISC	**VI 27 08 35 11.9**±.85	**42.03N**±.055	**23.44E**±.075	**7**		**14**	**0-2**
SOF	VI 27 08 35 11.8	42.04N	23.48E	0	3.2D		¶97vi4261
THE	VI 27 08 35 16.5	41.8N	23.4E	7	2.8L		
ISC	**VI 27 13 30 21.3**±.77	**42.01N**±.048	**23.43E**±.080	**3**		**11**	**0-2**
SOF	VI 27 13 30 22.5	42.04N	23.49E	0	2.5D		¶97vi4302
THE	VI 27 13 30 24.6	41.9N	23.2E	3			
ISC	**VI 29 02 08 08.3**±.74	**42.07N**±.058	**23.44E**±.092	**30**		**16**	**0-2**
SOF	VI 29 02 08 07.1	42.02N	23.38E	30	2.5D		¶97vi4553
THE	VI 29 02 08 11.9	41.9N	23.4E	2	2.6L		

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ISK	**I 19 01 26 25.9**	**42.05N**	**34.46E**	**10**	**2.8D**		**¶97i2759**
ISC	**II 01 01 05 54.2**±.60	**42.60N**±.042	**33.60E**±.056	**39**±7.6	**3.9b**	**69**	**1-73**
ISK	II 01 01 05 49.8	42.74N	33.67E	7	3.7D		¶97ii0007
NEIC	II 01 01 05 53.3	42.59N	33.69E	33	4.0b		
MOS	II 01 01 05 54.4	42.7N	33.6E	33	4.3b		
EIDC	II 01 01 05 55.9	42.6N	33.7E	42	3.9b,4.2L		
ISC	**IV 19 21 00 46**±1.5	**43.36N**±.032	**28.54E**±.056	**8**±12	3.4b	**58**	**0-70**
NEIC	IV 19 21 00 41.3	43.12N	29.16E	10	3.6b		¶97iv3236
EIDC	IV 19 21 00 43.1	43.3N	29.6E	0	3.7L,3.4b		
ISK	IV 19 21 00 47.8	43.41N	28.51E	10	3.8D		
NEIC	Less reliable solution.						
ISK	**V 09 14 40 22.9**	**42.13N**	**34.17E**	**10**	**2.9D**		**¶97v1437**
ISC	**VI 05 08 37 41**±1.3	**42.66N**±.049	**33.87E**±.075	**7**±10	**4.0b**	**35**	**1-71**
NEIC	VI 05 08 37 39.5	42.51N	33.90E	10	4.4b		¶97vi0736
EIDC	VI 05 08 37 40.0	42.5N	33.9E	0	4.1b,3.7L		
MOS	VI 05 08 37 41.1	42.4N	33.7E	10	4.9b		
ISK	VI 05 08 37 49.3	42.05N	33.88E	10	3.7D		
ISC	**VI 09 14 52 47.4**±.27	**43.31N**±.032	**35.85E**±.036	**22**	**3.8b**	**108**	**2-72**
ISK	VI 09 14 52 46.6	43.38N	35.97E	10	4.2D		¶97vi1412
MOS	VI 09 14 52 46.7	43.0N	35.8E	27	4.3b		
NEIC	VI 09 14 52 47.3	43.35N	35.89E	22	4.2b		
EIDC	VI 09 14 52 49.4	43.3N	35.9E	22	3.8b,4.6L		

(362) Western Caucasus.

ISC	**I 25 03 22 34**±6.0	**44.7N**±.56	**39.5E**±.81	**42**±64	3.4b	**7**	**2-26**
EIDC	I 25 03 22 25.1	43.9N	38.7E	0	3.2L,3.6b		¶97i3729
NEIC	I 25 03 22 33.0	44.62N	39.45E	33			
NEIC	Poor solution.						
EIDC	**II 15 07 26 19.8**	**43.1N**	**40.3E**	**0**	3.8b		**2-25**
							¶97ii2192
ISC	**IV 24 08 56 06.8**±.91	**42.3N**±.15	**43.3E**±.20	**33**	**3.6b**	**6**	**1-74**
EIDC	IV 24 08 56 02.9	42.3N	43.5E	0	3.3b		¶97iv4111
ISC	**VI 13 21 10 20**±1.3	**44.1N**±.21	**40.1E**±.15	**33**	**3.4b**	**13**	**1-33**
MOS	VI 13 21 10 13.3	43.1N	39.3E	33	4.0b		¶97vi2039
EIDC	VI 13 21 10 18.6	44.5N	40.5E	0	3.4b,3.4L		
NEIC	VI 13 21 10 21.4	44.37N	40.39E	33	3.6b		
NEIC	Less reliable solution.						

(363) Greece-Bulgaria border region.

ISC	**I 28 04 43 47.4**±.73	**41.90N**±.049	**23.17E**±.074	**10**		**16**	**0-2**
SOF	I 28 04 43 48.0	41.92N	23.23E	10	2.8D		¶97i4167
THE	I 28 04 43 49.9	41.8N	23.1E	10	2.9L		
ISC	**II 07 18 14 57.0**±.85	**41.93N**±.054	**23.28E**±.056	**2**±7.9		**20**	**0-2**
SOF	II 07 18 14 57.2	41.95N	23.24E	10	2.8D		¶97ii1019
THE	II 07 18 14 59.5	41.9N	23.2E	5	3.0L		
ISC	**II 16 19 32 43.7**±.52	**41.11N**±.027	**23.89E**±.039	**5**±5.7		**45**	**0-6**
NEIC	II 16 19 32 41.3	40.96N	23.75E	5			¶97ii2410
SOF	II 16 19 32 43.7	41.06N	23.81E	14	3.7D		
THE	II 16 19 32 45.4	41.1N	23.8E	8	3.5L		
ATH	II 16 19 32 45.5	41.10N	23.90E	2	3.4D		

NEIC M_D3.7(ISK), Less reliable solution.
ISC II 25 14 00 05±1.2 **41.0N**±.10 **24.40E**±.084 **16** **8 1-1**
THE II 25 14 00 06.0 41.0N 24.4E 16 2.0L ¶97ii3633
ISC III 01 09 57 14±1.4 **41.1N**±.11 **23.26E**±.089 **4** **5 0-1**
THE III 01 09 57 14.7 41.1N 23.3E 4 1.8L ¶97iii0087
ISC III 06 22 32 46±12 **41.7N**±.65 **23.7E**±.34 **13** **4 1-1**
THE III 06 22 32 47.5 41.7N 23.7E 13 2.3L ¶97iii1368
ISC Poorly determined
ISC III 18 07 57 28.3±.35 **41.66N**±.033 **23.81E**±.039 **10** **46 0-5**
NEIC III 18 07 57 28.4 41.68N 23.79E 10 ¶97iii3506
SOF III 18 07 57 28.6 41.68N 23.79E 0 3.5D
ATH III 18 07 57 28.9 41.87N 23.78E 30 3.4D
THE III 18 07 57 30.0 41.6N 23.8E 12 3.2L
NEIC $M_{L3.2}$(SKO).
ISC IV 02 13 07 38±2.6 **41.7N**±.16 **23.6E**±.12 **6** **7 1-4**
THE IV 02 13 07 46.0 41.3N 23.4E 6 2.3L ¶97iv0250
ISC IV 04 08 31 29.5±.34 **41.64N**±.030 **23.84E**±.038 **7** **47 0-5**
SOF IV 04 08 31 29.8 41.68N 23.81E 7 3.5D ¶97iv0575
THE IV 04 08 31 30.9 41.6N 23.8E 9 3.2L
NEIC IV 04 08 31 31.4 41.56N 23.75E 10
ATH IV 04 08 31 32.5 41.65N 23.88E 34 3.4D
NEIC M_L2.8(SKO), Less reliable solution.
ISC IV 17 13 06 36.3±.57 **41.28N**±.039 **23.40E**±.065 **5**±10 **14 0-2**
THE IV 17 13 06 37.5 41.2N 23.4E 10 2.4L ¶97iv2906
ISC IV 24 04 54 00.9±.65 **41.33N**±.038 **23.39E**±.065 **1**±12 **14 0-2**
NEIC IV 24 04 54 01.6 41.36N 23.39E 5 ¶97iv4085
THE IV 24 04 54 02.1 41.3N 23.4E 6 2.5L
NEIC Single network solution.
ISC IV 24 22 22 15±1.2 **41.23N**±.048 **23.98E**±.092 **0**±18 **13 0-2**
NEIC IV 24 22 22 13.8 41.15N 23.93E 5 ¶97iv4220
THE IV 24 22 22 16.6 41.2N 23.9E 12 2.5L
NEIC Poor solution.
ISC IV 29 13 15 52.7±.60 **41.71N**±.042 **23.79E**±.060 **6**±8.3 **17 0-2**
SOF IV 29 13 15 53.5 41.72N 23.82E 2 2.7D ¶97iv5080
THE IV 29 13 15 56.4 41.6N 23.7E 10 2.6L
ISC V 01 03 39 44±2.4 **41.3N**±.15 **23.3E**±.11 **0** **7 0-1**
THE V 01 03 39 44.5 41.3N 23.3E 0 2.5L ¶97v0024
ISC V 05 14 09 45.5±.50 **41.31N**±.036 **23.40E**±.054 **7** **18 0-2**
THE V 05 14 09 46.7 41.3N 23.4E 7 2.3L ¶97v0796
ISC V 06 07 05 55.9±.59 **41.70N**±.047 **23.87E**±.057 **2**±12 **15 0-2**
SOF V 06 07 05 56.0 41.69N 23.86E 5 3.0D ¶97v0924
THE V 06 07 05 58.3 41.6N 23.8E 8 2.7L
ISC V 10 09 04 10±7.3 **41.2N**±.39 **23.7E**±.41 **11**±21 **5 0-1**
THE V 10 09 04 12.1 41.2N 23.7E 13 2.3L ¶97v1563
ISC Poorly determined
ISC V 13 04 37 24±2.2 **41.1N**±.13 **23.5E**±.13 **13**±14 **8 0-1**
THE V 13 04 37 23.9 41.2N 23.6E 15 2.2L ¶97v2127
ISC V 13 04 38 42±6.1 **41.2N**±.35 **23.6E**±.34 **13** **4 0-1**
THE V 13 04 38 42.8 41.2N 23.6E 13 1.9L ¶97v2128
ISC Poorly determined
ISC V 13 05 37 28.9±.53 **41.23N**±.035 **23.66E**±.046 **9**±6.1 **28 0-5**
ATH V 13 05 37 26.4 41.53N 23.39E 10 3.3D ¶97v2136
THE V 13 05 37 31.4 41.1N 23.6E 9 2.8L
ISC V 13 05 47 06±2.2 **41.2N**±.13 **23.6E**±.14 **12**±11 **9 0-2**
THE V 13 05 47 06.9 41.2N 23.6E 12 2.1L ¶97v2143
ISC V 13 05 58 59.8±.61 **41.22N**±.041 **23.62E**±.070 **10**±8.1 **16 0-1**
THE V 13 05 59 01.1 41.2N 23.6E 13 2.5L ¶97v2149
ISC V 13 06 53 41.3±.56 **41.22N**±.032 **23.66E**±.051 **7**±6.2 **30 0-5**
ATH V 13 06 53 40.1 41.38N 23.53E 5 3.4D ¶97v2182
THE V 13 06 53 42.6 41.2N 23.6E 15 3.3L
ISC V 13 07 47 02.5±.55 **41.23N**±.031 **23.63E**±.043 **7**±5.9 **35 0-5**
ATH V 13 07 47 01.9 41.34N 23.60E 5 3.3D ¶97v2194
THE V 13 07 47 04.2 41.2N 23.6E 13 2.6L
ISC V 13 08 18 50±2.8 **41.2N**±.16 **23.6E**±.18 **14**±13 **7 0-1**
THE V 13 08 18 50.7 41.2N 23.6E 14 2.2L ¶97v2202
ISC V 13 08 44 58.8±.59 **41.23N**±.042 **23.63E**±.066 **7**±8.8 **16 0-2**
THE V 13 08 45 00.3 41.2N 23.6E 15 2.5L ¶97v2207
ISC V 13 10 59 25±2.3 **41.1N**±.14 **23.6E**±.14 **9**±14 **8 0-1**
THE V 13 10 59 25.1 41.2N 23.6E 10 2.4L ¶97v2232
ISC V 13 19 15 58.2±.48 **41.23N**±.022 **23.68E**±.026 **8**±4.1 **3.8b** **113 0-67**
MOS V 13 19 15 52.9 40.9N 23.4E 10 4.0b ¶97v2302
ATH V 13 19 15 58.1 41.30N 23.65E 5 3.8D
NEIC V 13 19 15 58.2 41.23N 23.74E 10 3.6b
THE V 13 19 15 59.6 41.2N 23.6E 9 3.6L
EIDC V 13 19 16 05.0 41.3N 23.9E 50 3.3b,3.6L
PDG V 13 19 16 06.0 41.5N 23.2E 8 3.6L
ISC V 13 19 17 44±2.6 **41.2N**±.15 **23.6E**±.15 **12**±11 **9 0-1**
THE V 13 19 17 44.9 41.2N 23.6E 14 2.8L ¶97v2303
ISC V 13 19 18 56±2.4 **41.2N**±.14 **23.6E**±.14 **12**±13 **8 0-1**
THE V 13 19 18 56.8 41.2N 23.6E 13 2.3L ¶97v2304
ISC V 13 19 19 51±2.5 **41.2N**±.15 **23.6E**±.15 **13**±11 **9 0-1**
THE V 13 19 19 51.0 41.2N 23.6E 13 2.5L ¶97v2305
ISC V 13 19 24 34±2.3 **41.2N**±.14 **23.6E**±.15 **15** **8 0-1**
THE V 13 19 24 34.5 41.2N 23.6E 15 2.2L ¶97v2307
ISC V 13 19 36 13±2.3 **41.2N**±.14 **23.6E**±.15 **15** **8 0-1**
THE V 13 19 36 13.5 41.2N 23.6E 15 2.1L ¶97v2309
ISC V 13 20 06 43±2.5 **41.2N**±.15 **23.6E**±.15 **14**±13 **8 0-1**
THE V 13 20 06 43.8 41.2N 23.6E 14 2.2L ¶97v2314
THE V 13 20 49 10.6 **41.2N** **23.6E** **13** **1.8L** ¶97v2322
ISC V 13 22 15 22±1.0 **41.12N**±.083 **23.54E**±.076 **12**±7.7 **10 0-2**
THE V 13 22 15 22.6 41.1N 23.6E 11 2.4L ¶97v2340
ISC V 14 19 05 55±2.6 **41.1N**±.18 **23.6E**±.21 **15** **4 0-1**
THE V 14 19 05 55.4 41.2N 23.6E 15 2.3L ¶97v2501
ISC Poorly determined
ISC V 15 05 57 54±2.5 **41.2N**±.14 **23.6E**±.15 **14**±13 **8 0-1**
THE V 15 05 57 54.4 41.2N 23.6E 14 2.4L ¶97v2570
ISC V 15 08 09 09±2.5 **41.2N**±.17 **23.4E**±.10 **5** **6 0-1**
THE V 15 08 09 09.1 41.3N 23.4E 5 2.2L ¶97v2578
ISC V 16 15 07 15±6.0 **41.2N**±.34 **23.7E**±.33 **14** **5 0-1**
THE V 16 15 07 17.2 41.2N 23.6E 14 2.1L ¶97v2794
ISC V 17 12 59 09±6.9 **41.3N**±.40 **23.6E**±.36 **15** **4 0-1**
THE V 17 12 59 10.0 41.2N 23.6E 15 1.9L ¶97v2931
ISC Poorly determined
ISC V 20 03 07 07±3.6 **41.2N**±.24 **23.6E**±.21 **17** **7 0-1**
THE V 20 03 07 07.2 41.2N 23.6E 17 2.1L ¶97v3346
ISC V 24 11 08 19±2.0 **41.2N**±.14 **23.23E**±.087 **7**±21 **7 0-1**
THE V 24 11 08 19.6 41.2N 23.2E 7 2.2L ¶97v4101
ISC V 24 17 30 10±1.8 **41.2N**±.13 **23.25E**±.084 **0** **6 0-1**
THE V 24 17 30 10.4 41.2N 23.2E 0 2.1L ¶97v4149
ISC V 26 02 42 29±5.6 **41.4N**±.39 **23.1E**±.12 **11** **4 0-1**
THE V 26 02 42 29.5 41.4N 23.1E 11 1.9L ¶97v4357

ISC Poorly determined
ISC VI 03 06 01 45±9.0 **41.4N**±.46 **23.6E**±.39 **4** **4 0-1**
THE VI 03 06 01 48.5 41.2N 23.5E 4 1.9L ¶97vi0392
ISC Poorly determined
ISC VI 03 12 47 48±5.2 **41.0N**±.28 **23.9E**±.44 **17** **4 0-1**
THE VI 03 12 47 48.6 41.0N 23.9E 17 1.9L ¶97vi0459
ISC Poorly determined
ISC VI 07 21 10 05±3.3 **41.0N**±.16 **23.8E**±.27 **15** **5 0-1**
THE VI 07 21 10 06.2 41.1N 23.8E 15 1.8L ¶97vi1145
ISC VI 09 15 45 49.9±.79 **41.62N**±.066 **26.72E**±.094 **10** **9 1-2**
ISK VI 09 15 45 46.1 41.73N 26.41E 10 2.8D ¶97vi1416
ISC VI 09 18 56 25.1±.64 **41.03N**±.046 **23.43E**±.069 **5** **11 0-2**
THE VI 09 18 56 25.7 41.0N 23.4E 5 2.0L ¶97vi1434
ISC VI 09 22 23 54±4.6 **41.2N**±.28 **23.6E**±.27 **14** **5 0-1**
THE VI 09 22 23 54.7 41.2N 23.6E 14 2.0L ¶97vi1447
ISC VI 10 03 26 43±1.3 **41.04N**±.093 **23.4E**±.12 **6** **4 0-1**
THE VI 10 03 26 43.9 41.0N 23.4E 6 1.2L ¶97vi1472
ISC Poorly determined
ISC VI 13 08 20 25.4±.36 **41.17N**±.032 **24.57E**±.038 **10** **31 1-5**
ISK VI 13 08 20 04.7 41.55N 22.51E 10 3.6D ¶97vi1954
SOF VI 13 08 20 26.2 41.23N 24.56E 16 3.6D
THE VI 13 08 20 26.6 41.1N 24.6E 8 3.3L
THE VI 13 09 46 07.3 **41.1N** **24.1E** **5** ¶97vi1966
ISC VI 13 16 13 10.1±.60 **41.80N**±.042 **23.48E**±.062 **7**±10 **17 0-2**
SOF VI 13 16 13 10.8 41.82N 23.52E 7 3.3D ¶97vi2013
THE VI 13 16 13 13.3 41.7N 23.4E 1 2.7L
ISC VI 19 00 00 43.4±.79 **41.00N**±.044 **25.81E**±.051 **2**±8.0 **22 0-3**
ISK VI 19 00 00 43.3 41.03N 25.80E 9 3.0D ¶97vi2846
THE VI 19 00 00 45.7 40.86N 25.8E 2.9L
ISC VI 25 03 48 39.9±.83 **41.78N**±.066 **24.22E**±.083 **0** **7 0-1**
¶97vi3837
ISC VI 28 20 48 43±1.2 **41.05N**±.085 **23.32E**±.096 **5** **5 0-1**
THE VI 28 20 48 43.9 41.1N 23.3E 5 1.7L ¶97vi4523
ISC VI 30 06 27 15.5±.65 **41.22N**±.043 **23.54E**±.073 **4**±11 **12 0-1**
THE VI 30 06 27 16.7 41.2N 23.5E 13 2.3L ¶97vi4717

(364) Greece.

ATH I 01 02 59 32.0 **38.11N** **23.83E** **4** **2.2L** ¶97i0019
ISC I 01 16 34 53.1±.93 **38.64N**±.065 **21.5E**±.12 **5** **7 0-2**
THE I 01 16 34 52.6 38.4N 21.7E 0 2.7L ¶97i0089
ATH I 01 16 34 55.4 38.65N 21.52E 5 2.8D
ISC I 03 04 34 35.4±.95 **38.07N**±.065 **21.5E**±.11 **9** **6 1-2**
ATH I 03 04 34 36.4 38.06N 21.48E 9 2.9D ¶97i0319
THE I 03 04 34 37.1 38.1N 21.4E 47
ISC I 04 03 38 01.9±.98 **38.72N**±.076 **21.82E**±.080 **5** **15 0-3**
ATH I 04 03 38 03.8 38.78N 21.65E 5 3.1L ¶97i0473
THE I 04 03 38 05.2 38.9N 21.9E 0 2.8L
ISC I 04 23 41 45±2.6 **39.9N**±.15 **22.4E**±.12 **8**±12 **9 0-1**
THE I 04 23 41 46.6 40.0N 22.4E 8 2.4L ¶97i0594
ISC I 05 00 44 30±1.0 **39.97N**±.058 **22.41E**±.093 **3**±13 **10 0-1**
THE I 05 00 44 31.8 40.0N 22.4E 9 2.3L ¶97i0602
ISC I 05 05 54 57.3±.98 **39.97N**±.058 **22.46E**±.093 **8**±11 **10 0-1**
THE I 05 05 54 58.6 40.0N 22.5E 9 2.2L ¶97i0624
ISC I 05 05 58 47±1.5 **39.98N**±.068 **22.4E**±.16 **8**±19 **7 0-1**
THE I 05 05 58 48.6 40.0N 22.4E 10 1.9L ¶97i0625
ISC I 05 06 53 50±1.1 **38.57N**±.070 **20.6E**±.14 **5** **9 0-3**
ATH I 05 06 53 50.8 38.57N 20.64E 5 2.9D ¶97i0632
THE I 05 06 53 51.9 38.2N 21.0E 19 2.7L
ISC I 05 07 01 01±5.7 **39.0N**±.37 **23.4E**±.20 **14** **4 0-2**
THE I 05 07 01 02.8 39.0N 23.4E 14 ¶97i0633
ISC Poorly determined
ISC I 05 07 16 15.9±.62 **38.96N**±.038 **23.49E**±.055 **16**±9.0 **26 0-4**
ATH I 05 07 16 16.4 38.94N 23.54E 16 3.3L ¶97i0634
THE I 05 07 16 16.6 39.0N 23.4E 18 3.1L
ISC I 05 07 18 24.0±.99 **38.96N**±.041 **23.35E**±.059 **5**±9.7 **20 0-3**
THE I 05 07 18 25.3 39.0N 23.4E 5 3.2L ¶97i0635
ATH I 05 07 18 26.2 38.94N 23.30E 5 3.7L
ISC I 05 09 15 53±5.5 **39.0N**±.37 **23.4E**±.32 **19** **4 1-1**
THE I 05 09 15 53.6 38.9N 23.4E 19 3.0L ¶97i0648
ISC Poorly determined
ISC I 05 11 35 32±2.2 **40.6N**±.16 **21.6E**±.18 **2**±18 **5 0-1**
THE I 05 11 35 31.9 40.6N 21.5E 17 2.2L ¶97i0661
ISC Poorly determined
ISC I 05 11 36 26±1.7 **40.6N**±.15 **21.6E**±.15 **5**±18 **5 0-1**
THE I 05 11 36 25.7 40.6N 21.5E 18 2.2L ¶97i0662
ISC Poorly determined
ISC I 05 12 36 24±3.3 **38.9N**±.27 **23.4E**±.15 **10**±25 **5 0-1**
THE I 05 12 36 25.1 38.9N 23.4E 11 2.4L ¶97i0670
ISC Poorly determined
ISC I 05 12 46 15±2.7 **39.0N**±.23 **23.4E**±.13 **6**±23 **6 0-2**
THE I 05 12 46 16.6 39.0N 23.4E 6 2.6L ¶97i0673
ISC I 05 13 08 17.4±.99 **38.95N**±.038 **23.49E**±.053 **12**±8.1 **34 0-7**
THE I 05 13 08 18.3 38.9N 23.4E 8 3.1L ¶97i0676
ATH I 05 13 08 19.3 38.97N 23.54E 29 4.0L
ISC I 06 08 08 40±1.3 **40.17N**±.068 **21.72E**±.078 **1**±14 **11 1-2**
THE I 06 08 08 41.0 40.2N 21.7E 0 2.4L ¶97i0762
THE I 06 12 40 43.5 **40.6N** **21.6E** **15** **1.8L** ¶97i0784
ISC I 06 14 17 04.1±.58 **40.49N**±.027 **23.67E**±.032 **1**±5.4 **57 0-6**
NEIC I 06 14 17 05.4 40.46N 23.59E 10 ¶97i0795
THE I 06 14 17 05.6 40.5N 23.6E 6 3.2L
ATH I 06 14 17 05.8 40.48N 23.67E 10 3.7L
ISC I 06 14 31 43±1.2 **40.5N**±.11 **23.6E**±.14 **0** **4 0-1**
THE I 06 14 31 43.1 40.5N 23.6E 0 1.8L ¶97i0798
ISC Poorly determined
THE I 07 13 38 46.9 **40.1N** **21.6E** **5** **1.8L** ¶97i0927
ISC I 07 22 41 09.9±.85 **40.70N**±.055 **22.74E**±.084 **0** **8 0-1**
THE I 07 22 41 10.6 40.7N 22.7E 0 2.0L ¶97i0988
ISC I 07 23 34 04±1.2 **38.24N**±.095 **21.6E**±.15 **10** **4 1-1**
ATH I 07 23 34 04.9 38.25N 21.55E 10 ¶97i0992
ISC Poorly determined
ISC I 08 03 22 26.9±.55 **39.01N**±.037 **22.42E**±.036 **20**±4.5 **3.7b** **76 0-73**
EIDC I 08 03 22 23.6 39.0N 22.7E 0 3.5b,3.8L ¶97i1012
NEIC I 08 03 22 26.6 38.88N 22.53E 33 3.9b
ATH I 08 03 22 27.7 39.07N 22.36E 5 3.3L
THE I 08 03 22 28.3 39.1N 22.4E 7 3.4L
PDG I 08 03 22 32.1 39.1N 21.7E 35 3.6L
NEIC Less reliable solution.
ISC I 08 09 39 58±1.1 **39.96N**±.062 **22.5E**±.10 **2**±12 **9 0-2**
THE I 08 09 39 58.9 40.0N 22.5E 10 2.4L ¶97i1045

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**I**	**08 22 13 55**±1.5	**38.5N**±.18	**22.4E**±.18	**36**		**4**	**1-2**	
ATH	I	08 22 13 55.3	38.52N	22.38E	36	3.0L			¶97i1124
ISC	Poorly determined								
ISC	**I**	**09 00 22 00.4**±.41	**40.61N**±.037	**21.62E**±.039	**2**		**25**	**0-2**	
THE	I	09 00 22 01.4	40.6N	21.6E	2	2.8L			¶97i1149
ATH	I	09 00 22 04.9	40.41N	21.84E	5	3.1D			
ISC	**I**	**11 18 16 37**±1.5	**38.6N**±.14	**21.5E**±.14	**7**		**5**	**0-2**	
ATH	I	11 18 16 36.6	38.54N	21.68E	7				¶97i1556
THE	I	11 18 16 38.2	38.7N	21.5E	0	2.4L			
ISC	**I**	**12 11 15 27.3**±.36	**40.20N**±.034	**21.69E**±.036	**5**	3.7b	**44**	**0-22**	
EIDC	I	12 11 14 58.5	37.4N	20.3E	0	3.9b,3.5L			¶97i1670
NEIC	I	12 11 15 23.4	39.66N	21.48E	33				
THE	I	12 11 15 28.3	40.2N	21.7E	0	3.1L			
ATH	I	12 11 15 28.5	40.18N	21.71E	5	3.3D			
NEIC	Poor solution.								
ISC	**I**	**12 11 18 28**±1.2	**40.3N**±.16	**21.8E**±.22	**10**		**4**	**1-1**	
THE	I	12 11 18 28.7	40.3N	21.8E	10	2.1L			¶97i1671
ISC	Poorly determined								
ISC	**I**	**12 11 22 10.2**±.50	**40.19N**±.043	**21.69E**±.048	**10**		**21**	**0-2**	
ATH	I	12 11 22 09.6	40.37N	21.59E	10	3.2D			¶97i1672
THE	I	12 11 22 09.9	40.2N	21.6E	0	2.8L			
ISC	**I**	**13 03 18 07.8**±.48	**38.66N**±.039	**21.58E**±.047	**5**	**3.9b**	**39**	**0-45**	
NEIC	I	13 03 18 01.0	37.79N	21.95E	33				¶97i1774
ATH	I	13 03 18 09.6	38.70N	21.56E	5	3.3L			
THE	I	13 03 18 09.6	38.7N	21.6E	0	3.2L			
EIDC	I	13 03 18 19.9	38.9N	21.8E	111	3.6b			
NEIC	Poor solution.								
ISC	**I**	**13 10 03 18.5**±.90	**40.28N**±.070	**23.93E**±.064	**5**±9.0		**14**	**0-2**	
THE	I	13 10 03 19.4	40.3N	23.9E	2	2.4L			¶97i1818
ISC	**I**	**14 20 12 29**±1.0	**40.68N**±.067	**23.43E**±.097	**3**		**7**	**0-1**	
THE	I	14 20 12 29.9	40.7N	23.4E	3	2.1L			¶97i2050
ISC	**I**	**15 03 36 29**±1.1	**40.28N**±.072	**23.94E**±.092	**3**		**8**	**0-2**	
THE	I	15 03 36 30.6	40.3N	23.9E	3	2.7L			¶97i2092
ISC	**I**	**15 08 34 46.5**±.93	**41.00N**±.066	**22.59E**±.079	**7**±20		**8**	**0-1**	
THE	I	15 08 34 47.3	41.0N	22.6E	6	2.1L			¶97i2126
ISC	**I**	**16 06 28 17.2**±.60	**38.33N**±.042	**22.19E**±.078	**6**		**23**	**1-4**	
THE	I	16 06 28 18.1	38.3N	22.1E	6	3.0L			¶97i2262
ATH	I	16 06 28 18.9	38.32N	22.08E	5	3.1L			
ISC	**I**	**16 09 10 48**±1.7	**40.6N**±.18	**21.5E**±.18	**20**±32		**5**	**0-1**	
ISC	Poorly determined								¶97i2281
ISC	**I**	**16 09 49 44**±1.2	**40.30N**±.079	**23.9E**±.10	**0**		**5**	**0-1**	
THE	I	16 09 49 44.7	40.3N	23.9E	0	2.0L			¶97i2289
ISC	**I**	**16 19 21 10**±2.0	**40.5N**±.17	**21.4E**±.18	**33**		**6**	**0-1**	
									¶97i2346
ISC	**I**	**17 10 25 00.1**±.59	**40.47N**±.040	**23.56E**±.057	**0**		**16**	**0-2**	
THE	I	17 10 25 01.5	40.4N	23.6E	0	2.3L			¶97i2428
ISC	**I**	**17 21 39 51.3**±.36	**38.08N**±.033	**20.13E**±.031	**3**	**3.8b**	**96**	**0-59**	
NEIC	I	17 21 39 50.0	38.04N	20.46E	10				¶97i2538
EIDC	I	17 21 39 50.1	38.1N	20.6E	0	3.9b,4.0L			
ATH	I	17 21 39 54.5	38.06N	20.32E	3	3.9L			
THE	I	17 21 39 56.9	38.1N	20.5E	9	3.7L			
PDG	I	17 21 40 01.5	38.6N	19.3E	45	4.0L			
NEIC	$M_{L4.1}$(ROM).								
ISC	**I**	**17 22 27 53.4**±.59	**38.36N**±.043	**21.75E**±.069	**5**	3.0b	**30**	**1-74**	
THE	I	17 22 27 54.3	38.4N	21.8E	0	3.0L			¶97i2547
ATH	I	17 22 27 54.6	38.34N	21.78E	5	3.0L			
ISC	**I**	**17 23 54 03**±1.2	**38.66N**±.061	**21.64E**±.078	**3**±12		**20**	**0-3**	
THE	I	17 23 54 03.5	38.6N	21.6E	0	2.8L			¶97i2565
ATH	I	17 23 54 05.3	38.80N	21.52E	5	3.0D			
ISC	**I**	**18 20 28 52**±1.0	**40.58N**±.074	**23.5E**±.11	**10**±15		**8**	**0-1**	
THE	I	18 20 28 52.4	40.6N	23.6E	10	1.8L			¶97i2712
THE	**I**	**19 00 06 39.3**	**39.4N**	**21.8E**	**26**	**2.5L**			¶97i2743
ATH	I	19 00 06 45.1	39.78N	21.34E	10	2.9D			
ISC	**I**	**19 00 11 55.0**±.79	**39.90N**±.051	**22.85E**±.062	**5**±9.7		**14**	**0-2**	
THE	I	19 00 11 56.0	39.9N	22.8E	7	2.5L			¶97i2744
ATH	I	19 00 11 56.9	39.86N	22.89E	10	2.9D			
ISC	**I**	**19 00 21 46.4**±.79	**39.51N**±.064	**21.06E**±.067	**10**		**18**	**0-2**	
ATH	I	19 00 21 44.5	39.80N	21.11E	10	2.9D			¶97i2748
THE	I	19 00 21 46.9	39.6N	21.1E	0	2.3L			
ISC	**I**	**19 00 31 52.8**±.64	**39.51N**±.055	**21.12E**±.048	**1**		**26**	**0-5**	
THE	I	19 00 31 53.5	39.5N	21.1E	1	2.8L			¶97i2750
ATH	I	19 00 31 54.7	39.57N	21.06E	5	3.0D			
ISC	**I**	**19 05 54 23.5**±.65	**39.92N**±.042	**22.85E**±.048	**6**±6.0	3.1b	**34**	**0-22**	
THE	I	19 05 54 24.6	39.9N	22.8E	0	3.1L			¶97i2794
ATH	I	19 05 54 25.3	39.97N	22.84E	5	3.1D			
ISC	**I**	**19 05 55 37.5**±.67	**39.91N**±.047	**22.86E**±.061	**11**±8.2	3.3b	**15**	**0-22**	
THE	I	19 05 55 38.2	39.9N	22.8E	12	2.9L			¶97i2795
ATH	I	19 05 55 39.7	39.88N	22.91E	4	3.2D			
ISC	**I**	**19 06 38 06.6**±.93	**39.91N**±.062	**22.83E**±.078	**2**±13		**11**	**0-2**	
THE	I	19 06 38 07.8	39.9N	22.8E	9	2.5L			¶97i2800
ISC	**I**	**19 14 49 40.4**±.54	**39.54N**±.045	**21.04E**±.050	**5**		**24**	**0-3**	
ATH	I	19 14 49 41.2	39.62N	21.11E	5	3.1D			¶97i2856
THE	I	19 14 49 41.8	39.6N	21.1E	0	2.6L			
ISC	**I**	**22 00 26 28**±1.2	**38.23N**±.064	**20.24E**±.065	**3**±10		**34**	**0-6**	
ATH	I	22 00 26 30.7	38.22N	20.37E	5	3.3D			¶97i3252
THE	I	22 00 26 34.0	38.4N	20.5E	10				
ISC	**I**	**22 09 54 30.2**±.75	**40.88N**±.052	**22.89E**±.072	**0**		**8**	**0-1**	
THE	I	22 09 54 30.8	40.9N	22.9E	0	2.1L			¶97i3306
THE	**I**	**22 10 00 26.5**	**40.2N**	**21.7E**	**4**	**1.9L**			¶97i3309
THE	**I**	**22 12 02 06.5**	**39.9N**	**21.3E**	**10**				¶97i3325
ATH	I	22 12 02 00.7	40.22N	21.87E	39				
ISC	**I**	**23 00 04 15.4**±.84	**39.35N**±.062	**22.59E**±.093	**3**		**12**	**0-2**	
THE	I	23 00 04 16.5	39.4N	22.5E	3	2.3L			¶97i3410
ATH	I	23 00 04 17.1	39.33N	22.52E	10				
ISC	**I**	**23 12 34 33**±1.0	**40.66N**±.089	**22.1E**±.19	**33**		**5**	**1-2**	
									¶97i3497
ISC	**I**	**23 18 18 02**±1.1	**39.40N**±.074	**22.7E**±.12	**6**		**9**	**0-2**	
THE	I	23 18 18 03.0	39.4N	22.7E	6	2.2L			¶97i3535
ISC	**I**	**24 16 46 31**±1.0	**40.26N**±.079	**23.93E**±.069	**13**±6.7		**17**	**0-3**	
ATH	I	24 16 46 31.9	40.44N	23.94E	10	3.1D			¶97i3668
THE	I	24 16 46 32.1	40.3N	23.9E	9	2.6L			
NEIC	I	24 16 46 47.6	41.36N	23.45E	10				
NEIC	Less reliable solution.								
ISC	**I**	**24 19 11 00**±1.1	**39.31N**±.096	**22.92E**±.095	**11**±18		**7**	**1-2**	
THE	I	24 19 11 00.6	39.3N	22.9E	12	2.2L			¶97i3679
ATH	**I**	**26 01 54 48.7**	**39.27N**	**21.37E**	**49**	**3.1D**			¶97i3871
ISC	**I**	**26 16 16 27.2**±.56	**40.48N**±.053	**21.25E**±.048	**8**		**16**	**0-5**	
THE	I	26 16 16 29.4	40.5N	21.3E	8	3.0L			¶97i3965
THE	**I**	**26 16 17 52.2**	**40.5N**	**21.2E**	**20**	**2.1L**			¶97i3966
ISC	**I**	**26 17 23 56**±1.2	**40.19N**±.073	**21.64E**±.098	**1**		**9**	**1-1**	
THE	I	26 17 23 56.6	40.2N	21.7E	1	2.2L			¶97i3972
ISC	**I**	**27 01 39 46.2**±.59	**40.76N**±.050	**22.08E**±.051	**6**		**14**	**0-2**	
THE	I	27 01 39 47.5	40.8N	22.1E	6	2.8L			¶97i4031
ISC	**I**	**27 14 08 32.1**±.68	**39.99N**±.043	**21.65E**±.071	**10**		**13**	**0-2**	
THE	I	27 14 08 33.5	40.0N	21.7E	10	2.2L			¶97i4091
ATH	I	27 14 08 34.1	40.08N	21.59E	23	3.0D			
ISC	**I**	**27 18 32 25.6**±.81	**40.84N**±.054	**22.76E**±.076	**3**		**8**	**0-1**	
THE	I	27 18 32 26.3	40.8N	22.8E	3	1.8L			¶97i4113
ISC	**I**	**28 16 33 51**±1.5	**40.2N**±.11	**21.4E**±.27	**33**		**6**	**1-2**	
									¶97i4226
ISC	**I**	**28 18 28 09.7**±.61	**40.84N**±.048	**22.77E**±.057	**0**		**11**	**0-2**	
THE	I	28 18 28 10.5	40.8N	22.8E	0	2.4L			¶97i4241
ISC	**I**	**29 09 28 51**±1.7	**38.8N**±.14	**21.7E**±.19	**8**±18		**6**	**0-2**	
ATH	I	29 09 28 46.8	38.66N	22.21E	9	3.0D			¶97i4330
THE	I	29 09 28 50.9	38.8N	21.8E	15	2.4L			
ATH	**I**	**29 10 02 26.9**	**38.44N**	**22.35E**	**10**	**2.7D**			¶97i4334
ISC	**I**	**29 20 14 09**±1.4	**38.09N**±.089	**21.9E**±.19	**10**		**4**	**1-1**	
ATH	I	29 20 14 09.7	38.08N	21.90E	10	2.6D			¶97i4395
ISC	Poorly determined								
ISC	**I**	**30 11 53 31.6**±.90	**40.47N**±.058	**23.98E**±.090	**5**		**9**	**0-2**	
THE	I	30 11 53 32.6	40.4N	24.0E	5	3.1L			¶97i4481
ISC	**I**	**30 19 46 02**±1.6	**40.14N**±.083	**21.6E**±.12	**2**±14		**8**	**1-2**	
THE	I	30 19 46 02.6	40.1N	21.5E	3	2.2L			¶97i4534
ISC	**I**	**31 02 38 54**±1.1	**40.43N**±.062	**23.9E**±.12	**8**		**9**	**0-1**	
THE	I	31 02 38 54.0	40.4N	23.9E	8	3.1L			¶97i4579
ISC	**I**	**31 03 10 57**±1.5	**40.16N**±.075	**21.7E**±.14	**3**		**7**	**1-1**	
THE	I	31 03 10 57.0	40.1N	21.7E	3	2.1L			¶97i4581
ISC	**I**	**31 06 24 49**±1.1	**40.29N**±.066	**23.84E**±.096	**1**±25		**8**	**0-1**	
THE	I	31 06 24 49.6	40.3N	23.9E	3	2.5L			¶97i4594
ISC	**I**	**31 08 00 53.8**±.88	**40.27N**±.057	**23.87E**±.075	**6**±10		**11**	**0-2**	
THE	I	31 08 00 54.8	40.3N	23.9E	3	2.5L			¶97i4602
ISC	**I**	**31 11 05 00.4**±.62	**39.32N**±.045	**22.23E**±.071	**5**		**15**	**0-2**	
ATH	I	31 11 04 59.2	39.21N	22.41E	5	3.0D			¶97i4616
THE	I	31 11 05 01.2	39.3N	22.2E	0	2.1L			
ISC	**I**	**31 13 25 44**±3.0	**39.2N**±.15	**21.9E**±.25	**12**±17		**6**	**0-2**	
THE	I	31 13 25 43.9	39.2N	21.7E	9	2.5L			¶97i4632
ISC	**I**	**31 23 53 33.6**±.78	**38.30N**±.058	**22.20E**±.088	**10**		**14**	**1-3**	
THE	I	31 23 53 34.0	38.3N	22.2E	0	2.9L			¶97i4690
ATH	I	31 23 53 35.1	38.35N	22.13E	10	2.7D			
ISC	**II**	**01 00 46 30.9**±.92	**40.62N**±.066	**23.42E**±.097	**14**±13		**8**	**0-1**	
THE	II	01 00 46 31.7	40.6N	23.4E	4	1.9L			¶97ii0005
ISC	**II**	**01 05 06 00**±3.0	**38.6N**±.22	**20.7E**±.27	**11**±55		**5**	**0-2**	
ATH	II	01 05 06 01.1	38.62N	20.76E	5	2.8D			¶97ii0022
ISC	Poorly determined								
ATH	**II**	**01 19 36 18.0**	**38.10N**	**21.70E**	**15**				¶97ii0113
THE	II	01 19 36 20.7	38.2N	21.5E	10				
ISC	**II**	**02 00 25 25.8**±.96	**40.53N**±.092	**23.5E**±.13	**5**±17		**7**	**0-1**	
THE	II	02 00 25 26.0	40.5N	23.6E	20	1.9L			¶97ii0150
ATH	**II**	**02 14 44 17.6**	**38.66N**	**21.55E**	**71**				¶97ii0236
THE	**II**	**03 02 22 19.0**	**40.1N**	**21.3E**	**10**	**2.1L**			¶97ii0307
ISC	**II**	**03 04 00 26.2**±.91	**38.25N**±.050	**20.98E**±.047	**11**±8.7		**38**	**0-6**	
THE	II	03 04 00 28.0	38.4N	21.0E	0	3.1L			¶97ii0314
ATH	II	03 04 00 28.1	38.29N	21.00E	5	3.2D			
ISC	**II**	**04 02 05 34.0**±.92	**38.87N**±.072	**23.71E**±.096	**25**		**14**	**1-4**	
ATH	II	04 02 05 35.8	38.85N	23.56E	25	3.2L			¶97ii0445
THE	II	04 02 05 35.8	38.9N	23.6E	25	3.2L			
ISC	**II**	**06 18 08 24.2**±.87	**38.16N**±.058	**20.50E**±.068	**23**±6.5	**3.7b**	**40**	**0-46**	
EIDC	II	06 18 08 24.5	38.3N	20.8E	27	3.6b,4.0L			¶97ii0885
NEIC	II	06 18 08 25.2	38.26N	20.33E	50				
THE	II	06 18 08 25.5	38.2N	20.6E	3	3.1L			
ATH	II	06 18 08 26.2	38.21N	20.62E	5	3.7L			
NEIC	Poor solution.								
ISC	**II**	**06 18 16 25**±1.5	**40.18N**±.074	**21.80E**±.099	**6**±13		**10**	**1-2**	
THE	II	06 18 16 25.9	40.2N	21.8E	3	2.3L			¶97ii0886
ISC	**II**	**07 00 34 44**±1.0	**40.62N**±.060	**22.69E**±.090	**2**		**7**	**0-1**	
THE	II	07 00 34 44.3	40.6N	22.7E	2	1.6L			¶97ii0924
ISC	**II**	**07 00 43 00**±4.3	**38.9N**±.28	**23.7E**±.20	**6**		**5**	**0-1**	
THE	II	07 00 43 00.8	38.9N	23.7E	6				¶97ii0926
ISC	**II**	**07 02 43 12.7**±.78	**38.62N**±.051	**23.89E**±.097	**17**±17		**12**	**1-2**	
ATH	II	07 02 43 12.4	38.58N	23.54E	7	3.0L			¶97ii0931
THE	II	07 02 43 15.0	38.7N	24.0E	18				
ISC	**II**	**07 07 04 54.1**±.76	**38.31N**±.048	**20.78E**±.089	**5**		**14**	**0-3**	
THE	II	07 07 04 55.0	38.3N	20.8E	0				¶97ii0958
ATH	II	07 07 04 55.5	38.27N	20.65E	5	3.2D			
ISC	**II**	**07 11 14 22**±4.4	**38.9N**±.31	**23.6E**±.22	**7**±24		**5**	**0-1**	
THE	II	07 11 14 22.8	38.9N	23.7E	8	2.4L			¶97ii0982
ISC	Poorly determined								
ISC	**II**	**07 20 29 20**±1.6	**39.2N**±.12	**21.8E**±.13	**6**		**4**	**0-2**	
THE	II	07 20 29 21.0	39.1N	21.8E	6	2.1L			¶97ii1034
ISC	Poorly determined								
ISC	**II**	**08 00 45 31.4**±.94	**38.43N**±.066	**21.7E**±.12	**7**		**6**	**0-3**	
THE	II	08 00 45 30.5	38.4N	21.8E	7				¶97ii1064
ATH	II	08 00 45 32.3	38.43N	21.68E	5	2.7D			
ISC	**II**	**08 19 24 20.7**±.87	**39.26N**±.044	**22.26E**±.058	**8**±11		**19**	**0-3**	
THE	II	08 19 24 21.5	39.3N	22.3E	0	2.7L			¶97ii1189
ATH	II	08 19 24 21.5	39.24N	22.29E	5	3.1L			
THE	**II**	**08 22 59 40.8**	**38.7N**	**21.9E**	**6**	**2.3L**			¶97ii1220
ISC	**II**	**09 21 14 07**±1.2	**38.61N**±.045	**23.97E**±.098	**11**±11		**16**	**1-3**	
ATH	II	09 21 14 07.2	38.43N	23.68E	79	3.2L			¶97ii1366
THE	II	09 21 14 07.8	38.6N	23.9E	10	2.6L			
ISC	**II**	**10 01 45 21**±1.4	**40.0N**±.10	**21.8E**±.17	**12**		**4**	**1-1**	
THE	II	10 01 45 21.9	40.0N	21.8E	12	2.1L			¶97ii1399
ISC	Poorly determined								
ISC	**II**	**10 02 08 29**±2.4	**38.2N**±.10	**20.5E**±.26	**14**±7.6		**11**	**0-4**	
THE	II	10 02 08 24.7	37.9N	20.4E	0				¶97ii1401
ATH	II	10 02 08 30.3	38.08N	20.54E	5	3.0D			
ISC	**II**	**10 04 35 13**±11	**38.7N**±.66	**20.5E**±.72	**33**		**6**	**1-3**	
									¶97ii1411
ISC	**II**	**10 16 03 52.1**±.59	**38.63N**±.041	**23.97E**±.077	**5**		**18**	**1-3**	
ATH	II	10 16 03 52.4	38.70N	23.89E	5	3.2L			¶97ii1484
THE	II	10 16 03 56.7	38.8N	24.1E	17	2.6L			
ISC	**II**	**10 17 50 21.4**±.45	**38.06N**±.036	**22.19E**±.048	**1**		**35**	**1-8**	
THE	II	10 17 50 22.2	38.1N	22.1E	1	3.3L			¶97ii1494
ATH	II	10 17 50 22.4	38.08N	22.07E	5	3.7L			
ISC	**II**	**11 09 11 32**±1.4	**40.46N**±.095	**21.8E**±.12	**6**±15		**6**	**0-1**	
									¶97ii1611
ISC	**II**	**11 10 12 54**±4.0	**40.4N**±.32	**22.7E**±.17	**34**±50		**6**	**0-2**	
THE	II	11 10 12 59.0	40.7N	22.8E	0	1.3L			¶97ii1616

ISC	**II**	**11 17 46 19**±2.6	**40.7N**±.16	**22.7E**±.14	**5**			**6**	**0-1**
THE	II	11 17 46 19.7	40.7N	22.7E	5	1.5L			**¶97ii1655**
ISC	**II**	**12 22 31 11**±1.5	**38.78N**±.088	**21.58E**±.087	**3**±12			**14**	**0-3**
ATH	II	12 22 31 12.0	38.76N	21.55E	5	3.0D			**¶97ii1827**
THE	II	12 22 31 12.2	38.8N	21.6E	5	2.5L			
ISC	**II**	**12 22 55 36.2**±.53	**38.75N**±.033	**21.52E**±.031	**20**±5.0	**4.1b**		**130**	**0-121**
EIDC	II	12 22 55 35.3	38.9N	21.6E	0	4.1b,4.2L			**¶97ii1828**
ATH	II	12 22 55 36.5	38.81N	21.53E	5	3.8L			
THE	II	12 22 55 37.0	38.8N	21.6E	0	3.7L			
MOS	II	12 22 55 37.2	38.7N	21.5E	33	4.4b			
NEIC	II	12 22 55 37.7	38.81N	21.44E	33	4.3b			
PDG	II	12 22 55 54.9	39.8N	20.1E	10	3.6L			
ATH	**II**	**12 23 00 14.4**	**38.90N**	**21.61E**	**10**	**2.7D**			**¶97ii1829**
ATH	**II**	**12 23 05 05.7**	**38.72N**	**21.57E**	**10**				**¶97ii1830**
ISC	**II**	**12 23 10 38.2**±.67	**38.75N**±.052	**21.60E**±.065	**5**			**20**	**0-3**
ATH	II	12 23 10 38.8	38.84N	21.48E	5	3.0D			**¶97ii1833**
THE	II	12 23 10 40.6	38.9N	21.6E	0	2.8L			
ISC	**II**	**12 23 31 23**±1.0	**38.76N**±.081	**21.54E**±.075	**5**			**13**	**0-3**
ATH	II	12 23 31 24.0	38.77N	21.55E	5	3.0D			**¶97ii1836**
THE	II	12 23 31 24.5	38.8N	21.5E	2	2.6L			
ISC	**II**	**12 23 42 24.7**±.95	**38.80N**±.076	**21.48E**±.073	**5**			**13**	**0-3**
ATH	II	12 23 42 25.3	38.81N	21.47E	5	3.1D			**¶97ii1839**
THE	II	12 23 42 25.6	38.8N	21.5E	4	2.5L			
ISC	**II**	**13 01 06 23.4**±.95	**38.81N**±.054	**21.56E**±.060	**3**±9.2			**26**	**0-3**
THE	II	13 01 06 24.1	38.8N	21.6E	5	2.9L			**¶97ii1850**
ATH	II	13 01 06 25.2	38.85N	21.43E	5	3.1D			
ISC	**II**	**13 02 12 55**±1.4	**38.7N**±.11	**21.7E**±.10	**28**			**16**	**0-3**
ATH	II	13 02 12 45.2	38.49N	22.67E	28	3.1D			**¶97ii1857**
THE	II	13 02 12 55.2	38.7N	21.6E	8	2.5L			
ISC	**II**	**13 03 35 18**±1.9	**38.8N**±.15	**21.6E**±.23	**9**±31			**5**	**0-1**
ATH	II	13 03 35 18.7	38.75N	21.63E	10				**¶97ii1868**
THE	II	13 03 35 18.9	38.8N	21.6E	5	2.3L			
ISC	Poorly determined								
ISC	**II**	**13 04 48 07.2**±.57	**38.81N**±.035	**21.56E**±.033	**15**±5.8	**4.0b**		**94**	**0-121**
ATH	II	13 04 48 07.5	38.82N	21.51E	5	3.6L			**¶97ii1876**
THE	II	13 04 48 08.7	38.9N	21.6E	0	3.6L			
NEIC	II	13 04 48 09.1	38.91N	21.36E	33	3.5b			
EIDC	II	13 04 48 13.3	39.1N	21.2E	55	3.7b,3.7L			
PDG	II	13 04 48 17.4	39.1N	20.3E	45	3.6L			
NEIC	Less reliable solution.								
ISC	**II**	**13 10 27 50.0**±.64	**38.82N**±.034	**21.58E**±.034	**10**±4.9	**4.0b**		**92**	**0-121**
EIDC	II	13 10 27 49.0	39.1N	22.5E	0	4.0b,3.7L			**¶97ii1899**
NEIC	II	13 10 27 50.2	38.65N	21.71E	33	3.8b			
ATH	II	13 10 27 51.1	38.81N	21.49E	5	3.7L			
THE	II	13 10 27 52.2	39.0N	21.7E	0	3.6L			
PDG	II	13 10 27 54.1	38.5N	20.3E	45	3.8L			
NEIC	Less reliable solution.								
ISC	**II**	**13 10 45 53**±4.6	**38.8N**±.43	**21.7E**±.14	**10**±21			**7**	**1-3**
THE	II	13 10 45 53.4	38.7N	21.6E	10	2.3L			**¶97ii1902**
ISC	**II**	**13 10 50 06.9**±.57	**38.78N**±.042	**21.52E**±.060	**5**			**23**	**0-3**
ATH	II	13 10 50 07.7	38.83N	21.43E	5	3.2D			**¶97ii1903**
THE	II	13 10 50 09.0	38.9N	21.6E	0	2.7L			
THE	**II**	**13 11 01 09.2**	**39.1N**	**21.7E**	**9**				**¶97ii1905**
ISC	**II**	**13 11 11 56.5**±.59	**38.84N**±.036	**21.64E**±.038	**18**±5.0	**3.9b**		**78**	**0-121**
EIDC	II	13 11 11 54.5	38.9N	21.7E	0	3.9b,4.1L			**¶97ii1907**
THE	II	13 11 11 57.0	38.9N	21.6E	5	3.7L			
NEIC	II	13 11 11 57.6	38.85N	21.70E	33	3.8b			
ATH	II	13 11 11 58.1	38.84N	21.20E	36	4.0L			
ISC	**II**	**13 11 23 07**±1.0	**38.84N**±.047	**21.50E**±.067	**1**±10			**23**	**0-7**
ATH	II	13 11 23 09.1	38.83N	21.46E	5	3.2D			**¶97ii1909**
THE	II	13 11 23 10.1	39.0N	21.6E	1	3.0L			
ISC	**II**	**13 11 53 29**±4.8	**38.8N**±.40	**21.7E**±.13	**10**			**5**	**1-4**
THE	II	13 11 53 29.7	38.9N	21.6E	10	2.4L			**¶97ii1912**
ISC	Poorly determined								
ISC	**II**	**13 12 51 20.9**±.70	**38.79N**±.030	**21.59E**±.039	**10**±5.2	**4.0b**		**76**	**0-121**
ATH	II	13 12 51 22.1	38.83N	21.43E	5	3.9L			**¶97ii1922**
THE	II	13 12 51 23.5	39.0N	21.7E	0	3.7L			
NEIC	II	13 12 51 23.7	38.82N	21.70E	33	3.7b			
EIDC	II	13 12 51 27.0	38.9N	21.4E	42	3.7b,3.4L			
ISC	**II**	**13 13 25 34.2**±.71	**38.85N**±.054	**21.60E**±.058	**5**			**25**	**0-4**
ATH	II	13 13 25 35.3	38.84N	21.41E	5	3.2D			**¶97ii1929**
THE	II	13 13 25 36.4	39.0N	21.6E	1	2.9L			
ISC	**II**	**13 13 54 14.7**±.78	**38.79N**±.043	**21.50E**±.055	**6**±6.7	**3.8b**		**31**	**0-73**
ATH	II	13 13 54 16.6	38.83N	21.40E	5	3.2D			**¶97ii1933**
THE	II	13 13 54 17.2	38.9N	21.6E	0	3.2L			
EIDC	II	13 13 54 18.6	39.3N	21.6E	0	3.7b			
NEIC	II	13 13 54 22.0	39.09N	21.93E	33				
NEIC	Less reliable solution.								
ISC	**II**	**13 14 16 59**±3.9	**38.8N**±.40	**21.7E**±.14	**11**±24			**6**	**0-3**
THE	II	13 14 16 59.5	38.7N	21.7E	12	2.4L			**¶97ii1935**
ISC	**II**	**13 15 02 12.6**±.91	**38.84N**±.046	**21.63E**±.050	**2**±8.7			**38**	**0-8**
ATH	II	13 15 02 14.1	38.84N	21.40E	5	3.2D			**¶97ii1942**
THE	II	13 15 02 15.0	38.9N	21.7E	0	3.2L			
ISC	**II**	**13 17 05 23.7**±.83	**38.88N**±.047	**21.56E**±.065	**5**±8.9			**18**	**0-3**
ATH	II	13 17 05 25.5	38.86N	21.33E	5	3.1D			**¶97ii1950**
THE	II	13 17 05 26.3	39.0N	21.6E	0	2.5L			
ISC	**II**	**13 17 11 00.6**±.71	**38.86N**±.045	**21.59E**±.046	**8**±6.0	**3.7b**		**54**	**0-121**
THE	II	13 17 11 02.3	38.9N	21.6E	0	3.6L			**¶97ii1951**
ATH	II	13 17 11 02.4	38.82N	21.39E	5	3.7L			
NEIC	II	13 17 11 05.5	39.01N	22.34E	33	3.2b			
EIDC	II	13 17 11 29.9	39.8N	22.4E	230	3.2b			
NEIC	Poor solution.								
ISC	**II**	**13 18 30 59**±1.8	**40.84N**±.097	**23.8E**±.20	**12**±15			**6**	**0-1**
THE	II	13 18 30 59.4	40.8N	23.8E	13	2.0L			**¶97ii1958**
ISC	**II**	**13 18 45 39**±1.1	**38.74N**±.089	**21.49E**±.094	**5**			**9**	**0-3**
ATH	II	13 18 45 39.2	38.74N	21.51E	5	2.9D			**¶97ii1962**
THE	II	13 18 45 39.5	38.8N	21.5E	0	2.5L			
ISC	**II**	**13 18 51 38**±3.3	**38.8N**±.29	**21.7E**±.12	**19**±19			**7**	**1-3**
THE	II	13 18 51 37.9	38.9N	21.6E	9	2.5L			**¶97ii1964**
ISC	**II**	**13 18 52 18**±1.2	**38.72N**±.083	**21.63E**±.067	**10**±7.5	3.6b		**28**	**0-23**
ATH	II	13 18 52 17.8	38.83N	21.54E	8	3.2D			**¶97ii1965**
THE	II	13 18 52 18.1	38.8N	21.5E	5	3.0L			
ISC	**II**	**13 19 36 19.3**±.92	**38.90N**±.080	**21.57E**±.067	**5**			**9**	**0-2**
ATH	II	13 19 36 20.1	38.89N	21.64E	5	2.8D			**¶97ii1971**
THE	II	13 19 36 20.3	38.9N	21.6E	0	2.2L			
ISC	**II**	**13 20 04 51**±1.1	**38.83N**±.050	**21.59E**±.073	**7**±11			**21**	**0-3**
ATH	II	13 20 04 52.1	38.84N	21.44E	5	3.1D			**¶97ii1973**
THE	II	13 20 04 53.4	39.0N	21.7E	4	2.5L			
ISC	**II**	**13 20 10 23.7**±.27	**40.15N**±.027	**21.70E**±.029	**48**±4.7	**4.0b**		**113**	**0-121**
MOS	II	13 20 10 20.3	39.9N	21.7E	28	4.3b			**¶97ii1974**
THE	II	13 20 10 22.2	40.2N	21.7E	8	3.5L			
ATH	II	13 20 10 22.4	40.24N	21.61E	12	4.1L			
PDG	II	13 20 10 23.9	40.0N	21.8E	45	4.1L,4.1D			
NEIC	II	13 20 10 24.1	40.20N	21.64E	52	4.0b			
EIDC	II	13 20 10 26.4	40.3N	21.7E	59	3.7b,3.7L			
ISC	**II**	**13 21 56 38.8**±.98	**38.81N**±.045	**21.54E**±.065	**4**±9.5			**23**	**0-8**
ATH	II	13 21 56 40.3	38.83N	21.36E	5				**¶97ii1983**
THE	II	13 21 56 41.4	38.9N	21.6E	0				
ISC	**II**	**13 21 57 12**±3.1	**38.5N**±.23	**21.5E**±.14	**13**	3.6b		**20**	**1-23**
THE	II	13 21 57 17.4	38.8N	21.7E	13	3.3L			**¶97ii1984**
ISC	**II**	**14 02 35 17**±1.1	**40.76N**±.096	**22.06E**±.093	**10**			**5**	**0-1**
THE	II	14 02 35 17.9	40.8N	22.1E	10	1.4L			**¶97ii2007**
ISC	**II**	**14 04 29 16**±1.2	**38.74N**±.084	**21.72E**±.075	**4**±9.5			**15**	**0-3**
THE	II	14 04 29 17.0	38.7N	21.7E	8	2.4L			**¶97ii2026**
ATH	II	14 04 29 17.0	38.79N	21.69E	3	2.9D			
ISC	**II**	**14 05 17 30**±3.0	**38.9N**±.25	**21.8E**±.11	**13**			**6**	**0-2**
THE	II	14 05 17 30.3	38.9N	21.7E	13	2.4L			**¶97ii2031**
ISC	**II**	**14 11 37 03**±1.2	**38.71N**±.095	**21.65E**±.092	**5**			**10**	**0-3**
ATH	II	14 11 37 02.3	38.70N	21.66E	5	2.9D			**¶97ii2050**
THE	II	14 11 37 03.3	38.7N	21.6E	0	2.5L			
ISC	**II**	**14 15 10 34.6**±.64	**38.80N**±.049	**21.52E**±.054	**5**			**28**	**0-4**
ATH	II	14 15 10 36.1	38.85N	21.40E	5	3.3D			**¶97ii2068**
THE	II	14 15 10 37.2	39.0N	21.6E	0	3.1L			
ISC	**II**	**14 16 37 03**±1.2	**38.75N**±.096	**21.6E**±.10	**5**			**7**	**0-3**
ATH	II	14 16 37 03.6	38.74N	21.60E	5	2.9D			**¶97ii2083**
THE	II	14 16 37 03.9	38.8N	21.5E	2				
ISC	**II**	**14 17 14 23**±1.2	**38.8N**±.12	**21.6E**±.11	**8**			**6**	**0-3**
THE	II	14 17 14 23.5	38.8N	21.6E	8				**¶97ii2086**
ATH	II	14 17 14 23.6	38.75N	21.62E	10	2.8D			
ISC	**II**	**14 17 35 23.9**±.77	**38.82N**±.043	**21.59E**±.052	**4**±7.6			**30**	**0-5**
ATH	II	14 17 35 25.0	38.85N	21.49E	5	3.5L			**¶97ii2089**
THE	II	14 17 35 25.9	38.9N	21.6E	1	3.3L			
ISC	**II**	**14 20 13 05.4**±.53	**38.84N**±.032	**21.61E**±.035	**21**±5.3	**3.9b**		**89**	**0-121**
ATH	II	14 20 13 05.0	38.75N	21.58E	5	3.6L			**¶97ii2106**
NEIC	II	14 20 13 06.1	38.85N	21.49E	33	3.6b			
THE	II	14 20 13 06.4	38.9N	21.6E	8	3.5L			
EIDC	II	14 20 13 14.0	39.3N	21.6E	69	3.7b,3.5L			
PDG	II	14 20 13 15.6	39.0N	19.8E	45	3.6L			
ISC	**II**	**14 23 08 49**±1.5	**38.76N**±.081	**21.56E**±.067	**2**±13			**24**	**0-4**
ATH	II	14 23 08 49.6	38.80N	21.55E	5	3.1D			**¶97ii2128**
THE	II	14 23 08 49.8	38.8N	21.6E	0	2.6L			
ISC	**II**	**15 01 11 37**±1.3	**38.75N**±.060	**21.61E**±.087	**1**±15			**19**	**0-3**
ATH	II	15 01 11 38.8	38.84N	21.51E	5	2.9D			**¶97ii2147**
THE	II	15 01 11 41.2	39.0N	21.7E	0	2.6L			
ISC	**II**	**15 13 19 18**±1.2	**38.8N**±.12	**21.6E**±.11	**10**			**6**	**0-2**
ATH	II	15 13 19 18.2	38.77N	21.62E	10	2.8D			**¶97ii2238**
THE	II	15 13 19 18.5	38.8N	21.5E	0				
ISC	**II**	**15 16 52 27.0**±.76	**38.84N**±.048	**21.54E**±.062	**5**±8.7			**22**	**0-4**
ATH	II	15 16 52 28.3	38.89N	21.47E	5	3.1D			**¶97ii2265**
THE	II	15 16 52 29.9	39.0N	21.6E	4	2.8L			
ISC	**II**	**15 17 26 55.0**±.78	**40.87N**±.056	**23.05E**±.072	**9**			**8**	**0-1**
THE	II	15 17 26 55.7	40.9N	23.0E	9	1.9L			**¶97ii2269**
ISC	**II**	**15 19 45 14**±1.0	**38.77N**±.042	**21.80E**±.068	**0**±9.0			**25**	**0-4**
ATH	II	15 19 45 15.0	38.76N	21.67E	5	3.2L			**¶97ii2280**
THE	II	15 19 45 16.6	38.9N	21.9E	2	2.8L			
ISC	**II**	**15 19 50 20.3**±.84	**38.83N**±.045	**21.48E**±.068	**5**±8.7			**20**	**0-4**
ATH	II	15 19 50 22.0	38.84N	21.39E	5	3.0D			**¶97ii2282**
THE	II	15 19 50 22.6	38.9N	21.6E	0	2.7L			
ISC	**II**	**15 20 12 02.2**±.82	**38.85N**±.047	**21.53E**±.066	**1**±9.9			**18**	**0-3**
ATH	II	15 20 12 03.9	38.89N	21.48E	5	2.9D			**¶97ii2285**
THE	II	15 20 12 05.0	39.0N	21.6E	1	2.6L			
ISC	**II**	**15 20 13 00**±1.6	**38.8N**±.12	**21.5E**±.15	**5**			**4**	**0-2**
ATH	II	15 20 13 00.9	38.75N	21.52E	5	3.0D			**¶97ii2288**
ISC	Poorly determined								
ISC	**II**	**16 01 22 02**±1.2	**38.7N**±.13	**21.6E**±.11	**9**±11			**13**	**0-3**
ATH	II	16 01 22 02.3	38.73N	21.77E	24	2.9D			**¶97ii2321**
THE	II	16 01 22 03.6	38.8N	21.6E	2	2.4L			
ISC	**II**	**16 12 16 35**±1.3	**40.07N**±.094	**21.2E**±.12	**11**			**4**	**1-1**
THE	II	16 12 16 36.6	40.1N	21.2E	11				**¶97ii2373**
ISC	Poorly determined								
ISC	**II**	**16 12 17 05.2**±.53	**40.02N**±.038	**21.68E**±.054	**5**			**21**	**0-3**
THE	II	16 12 17 06.6	40.1N	21.7E	0	2.7L			**¶97ii2374**
ATH	II	16 12 17 06.6	40.06N	21.63E	5	3.2D			
ISC	**II**	**16 21 25 06.9**±.74	**38.99N**±.041	**23.66E**±.059	**6**±7.6			**24**	**0-4**
THE	II	16 21 25 07.8	38.9N	23.6E	12	2.8L			**¶97ii2425**
ATH	II	16 21 25 09.0	39.00N	23.70E	5	3.1L			
ISC	**II**	**17 09 16 59**±1.0	**38.94N**±.066	**21.7E**±.10	**5**			**10**	**0-2**
THE	II	17 09 16 59.4	39.0N	21.6E	0	2.5L			**¶97ii2470**
ATH	II	17 09 17 00.5	38.89N	21.72E	5	2.8D			
ISC	**II**	**17 16 46 21**±1.3	**38.98N**±.051	**21.70E**±.075	**2**±12			**21**	**0-3**
ATH	II	17 16 46 21.8	38.97N	21.64E	5	3.1D			**¶97ii2515**
THE	II	17 16 46 22.0	39.0N	21.7E	0	2.9L			
ISC	**II**	**18 02 12 16**±3.6	**38.8N**±.28	**21.7E**±.10	**4**			**10**	**1-3**
THE	II	18 02 12 16.5	38.9N	21.6E	4	2.8L			**¶97ii2590**
ISC	**II**	**19 01 59 28.7**±.87	**40.39N**±.068	**23.47E**±.090	**5**±17			**8**	**0-1**
THE	II	19 01 59 29.5	40.4N	23.5E	0	1.9L			**¶97ii2721**
ISC	**II**	**19 08 49 09.9**±.47	**38.90N**±.037	**21.57E**±.040	**41**±5.1	**4.1b**,3.5s		**87**	**0-121**
ATH	II	19 08 49 08.7	38.88N	21.65E	5	3.7L			**¶97ii2753**
THE	II	19 08 49 08.9	39.0N	21.7E	3	3.6L			
NEIC	II	19 08 49 09.6	38.90N	21.51E	40	3.7b			
EIDC	II	19 08 49 12.7	39.0N	21.5E	48	3.9b,3.8L			
PDG	II	19 08 49 23.2	39.5N	20.0E	33	3.3L			
ISC	**II**	**19 11 06 57**±1.2	**40.84N**±.089	**22.9E**±.12	**0**			**4**	**0-0**
THE	II	19 11 06 57.0	40.8N	22.9E	0	1.5L			**¶97ii2774**
ISC	Poorly determined								
ISC	**II**	**19 21 48 52.3**±.80	**40.94N**±.068	**22.20E**±.055	**2**±10			**14**	**0-2**
THE	II	19 21 48 53.7	40.9N	22.2E	4	2.4L			**¶97ii2840**
ISC	**II**	**20 07 42 53**±6.7	**38.7N**±.49	**21.6E**±.24	**11**±20			**9**	**0-3**
THE	II	20 07 42 54.2	38.7N	21.6E	6	2.6L			**¶97ii2896**
ATH	II	20 07 42 54.2	38.72N	21.69E	15	3.0D			
ISC	**II**	**21 01 27 27.4**±.77	**38.87N**±.045	**21.60E**±.056	**1**±9.0			**26**	**0-3**
ATH	II	21 01 27 28.7	38.92N	21.52E	5	3.3L			**¶97ii2998**
THE	II	21 01 27 29.8	39.0N	21.6E	1	2.9L			
ISC	**II**	**21 02 54 32.4**±.43	**38.87N**±.038	**21.64E**±.036	**43**±5.1	**4.0b**		**95**	**0-121**
ATH	II	21 02 54 30.9	38.71N	21.56E	5	3.8L			**¶97ii3005**
THE	II	21 02 54 32.0	38.9N	21.8E	6	3.6L			
NEIC	II	21 02 54 34.4	38.89N	21.49E	60	3.9b			
EIDC	II	21 02 54 36.5	38.9N	21.5E	70	3.8b			
ISC	**II**	**21 03 23 40.1**±.70	**38.90N**±.051	**21.70E**±.061	**5**			**28**	**0-8**
ATH	II	21 03 23 39.9	38.90N	21.40E	5	3.2D			**¶97ii3007**
THE	II	21 03 23 41.9	39.0N	21.7E	6	3.0L			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**21 09 16 50**±1.2	**38.76N**±.093	**21.73E**±.080	**18**±10		**17**	**0-3**
ATH	II	21 09 16 48.9	38.70N	21.85E	11	3.0D		¶97ii3045
THE	II	21 09 16 49.9	38.7N	21.7E	12	2.7L		
ISC	**II**	**21 10 13 51**±1.5	**40.2N**±.13	**21.6E**±.19	**3**		**4**	**1-1**
THE	II	21 10 13 51.8	40.2N	21.6E	3	2.3L		¶97ii3052
ISC	Poorly determined							
ISC	**II**	**21 12 19 30**±1.1	**38.76N**±.094	**21.69E**±.083	**22**		**17**	**0-3**
ATH	II	21 12 19 28.6	38.83N	21.79E	22	3.0D		¶97ii3068
THE	II	21 12 19 29.8	38.8N	21.6E	5	2.5L		
ISC	**II**	**21 12 52 13**±3.0	**38.1N**±.11	**20.4E**±.23	**8**±14		**9**	**0-4**
THE	II	21 12 52 16.5	38.3N	20.5E	2			¶97ii3072
ATH	II	21 12 52 16.8	38.18N	20.55E	5	3.0D		
ISC	**II**	**22 19 31 17.4**±.54	**38.39N**±.026	**22.04E**±.025	**23**±4.9	**4.2b**	**172**	**1-121**
ATH	II	22 19 31 17.0	38.30N	22.05E	5	3.7L		¶97ii3240
THE	II	22 19 31 17.2	38.4N	22.1E	3	3.7L		
NEIC	II	22 19 31 18.6	38.42N	22.04E	33	4.3b		
MOS	II	22 19 31 20.2	38.6N	22.0E	33	4.8b		
EIDC	II	22 19 31 21.5	38.5N	22.0E	43	3.9b,3.8L		
PDG	II	22 19 31 36.5	39.2N	20.4E	45	3.8L		
NEIC	$M_{L4.0}$(THE)							
NEIC	Felt at Aiyion and Patrai.							
ISC	**II**	**22 21 43 33**±1.0	**38.40N**±.047	**22.0E**±.10	**0**±12		**13**	**1-3**
ATH	II	22 21 43 36.0	38.39N	21.81E	5	2.8D		¶97ii3256
THE	II	22 21 43 37.6	38.6N	22.2E	4	2.0L		
ISC	**II**	**22 22 21 20**±1.4	**40.7N**±.15	**21.6E**±.12	**12**		**5**	**0-1**
THE	II	22 22 21 20.4	40.7N	21.5E	12			¶97ii3260
ISC	**II**	**22 22 28 17**±1.0	**38.27N**±.037	**22.21E**±.054	**0**±7.1	**3.8b**	**45**	**1-74**
NEIC	II	22 22 28 17.9	38.25N	22.02E	10			¶97ii3261
EIDC	II	22 22 28 18.1	38.3N	22.2E	0	3.6b		
THE	II	22 22 28 18.7	38.3N	22.1E	2	3.2L		
ATH	II	22 22 28 19.5	38.28N	21.93E	5	3.3L		
NEIC	Single network solution.							
ISC	**II**	**22 23 54 38**±1.1	**40.07N**±.061	**21.83E**±.078	**3**±13		**10**	**1-2**
THE	II	22 23 54 38.9	40.1N	21.8E	1	2.3L		¶97ii3269
ISC	**II**	**23 00 43 27.4**±.63	**39.34N**±.050	**21.44E**±.061	**5**		**17**	**1-2**
THE	II	23 00 43 28.5	39.3N	21.4E	5	2.6L		¶97ii3274
ATH	II	23 00 43 28.8	39.34N	21.43E	10	2.8D		
ISC	**II**	**23 03 08 56.7**±.82	**38.35N**±.050	**22.0E**±.11	**6**		**8**	**1-3**
THE	II	23 03 08 57.6	38.3N	22.0E	6			¶97ii3284
ATH	II	23 03 08 58.7	38.36N	21.85E	2	2.8D		
ISC	**II**	**23 03 30 05**±1.2	**38.34N**±.080	**23.1E**±.11	**2**		**6**	**1-2**
THE	II	23 03 30 05.9	38.3N	23.2E	2			¶97ii3286
ATH	II	23 03 30 07.5	37.55N	23.81E	10	2.2L		
ISC	**II**	**23 19 26 56**±3.5	**40.2N**±.19	**21.7E**±.22	**2**		**4**	**1-1**
THE	II	23 19 26 54.9	40.1N	21.6E	2	1.8L		¶97ii3362
ISC	Poorly determined							
ISC	**II**	**24 08 24 40.9**±.72	**38.83N**±.045	**21.65E**±.055	**7**±7.8		**24**	**0-3**
ATH	II	24 08 24 42.6	38.84N	21.44E	5	3.4L		¶97ii3446
THE	II	24 08 24 43.1	39.0N	21.7E	1	3.0L		
ISC	**II**	**24 11 39 53.0**±.98	**40.01N**±.072	**23.36E**±.096	**11**±16		**7**	**0-1**
THE	II	24 11 39 53.7	40.0N	23.4E	13	2.1L		¶97ii3468
THE	**II**	**24 12 39 47.7**	**39.4N**	**22.6E**	**10**			¶97ii3479
ISC	**II**	**25 01 28 01**±1.2	**38.80N**±.099	**21.48E**±.094	**2**		**7**	**0-3**
ATH	II	25 01 28 01.8	38.76N	21.75E	23	2.8D		¶97ii3561
THE	II	25 01 28 02.8	38.8N	21.6E	2			
ISC	**II**	**25 06 07 28.7**±.60	**38.93N**±.046	**21.63E**±.063	**18**		**24**	**1-4**
THE	II	25 06 07 28.8	38.9N	21.6E	0	3.0L		¶97ii3589
ATH	II	25 06 07 29.7	38.94N	21.50E	18	3.2D		
ISC	**II**	**25 07 41 28**±1.7	**38.6N**±.14	**21.7E**±.15	**5**		**7**	**0-3**
ATH	II	25 07 41 25.2	38.54N	22.06E	10	2.9D		¶97ii3598
THE	II	25 07 41 29.2	38.7N	21.6E	5	2.4L		
ISC	**II**	**26 02 10 34**±1.3	**39.69N**±.072	**22.87E**±.093	**3**±15		**11**	**1-2**
THE	II	26 02 10 35.8	39.7N	22.9E	7	2.3L		¶97ii3730
ISC	**II**	**26 10 40 10.1**±.78	**38.84N**±.043	**21.52E**±.055	**9**±6.5	**3.8b**	**33**	**1-73**
EIDC	II	26 10 40 07.4	38.5N	21.2E	0	3.7b,3.1L		¶97ii3780
NEIC	II	26 10 40 09.8	38.90N	21.64E	10			
ATH	II	26 10 40 12.7	38.88N	21.37E	10	3.3D		
THE	II	26 10 40 12.8	39.0N	21.6E	0	3.2L		
NEIC	Poor solution.							
ISC	**II**	**26 13 25 11**±1.1	**39.11N**±.060	**21.34E**±.069	**4**±10		**21**	**0-3**
THE	II	26 13 25 12.5	39.1N	21.3E	11	2.7L		¶97ii3793
ATH	II	26 13 25 12.9	39.13N	21.33E	30	3.0D		
ISC	**II**	**26 17 12 07**±1.7	**38.68N**±.088	**21.62E**±.078	**1**±13		**16**	**0-3**
ATH	II	26 17 12 07.9	38.76N	21.56E	5	3.0D		¶97ii3826
THE	II	26 17 12 08.1	38.8N	21.6E	5	2.6L		
ISC	**II**	**26 19 36 39.3**±.80	**40.15N**±.057	**21.69E**±.069	**2**		**11**	**1-2**
THE	II	26 19 36 40.5	40.2N	21.7E	2	2.1L		¶97ii3843
ISC	**II**	**27 00 54 14**±3.7	**38.7N**±.25	**23.9E**±.16	**16**		**9**	**0-3**
THE	II	27 00 54 15.2	38.7N	23.9E	16			¶97ii3883
ISC	**II**	**27 14 44 44**±1.7	**39.2N**±.15	**21.3E**±.10	**1**		**6**	**1-2**
THE	II	27 14 44 44.8	39.2N	21.3E	1	2.3L		¶97ii3971
ISC	**II**	**28 05 40 36**±1.2	**40.68N**±.079	**23.5E**±.14	**17**		**6**	**0-1**
THE	II	28 05 40 37.1	40.7N	23.4E	17	1.6L		¶97ii4147
ISC	**II**	**28 09 36 19**±1.3	**40.8N**±.11	**23.0E**±.14	**17**		**4**	**0-0**
THE	II	28 09 36 19.4	40.8N	23.0E	17			¶97ii4202
ISC	Poorly determined							
ISC	**III**	**02 11 41 53**±2.8	**39.0N**±.24	**23.3E**±.14	**11**±25		**5**	**0-1**
THE	III	02 11 41 53.6	39.0N	23.4E	10	2.3L		¶97iii0297
ISC	Poorly determined							
THE	**III**	**03 16 27 10.0**	**38.8N**	**23.3E**	**9**	**2.2L**		¶97iii0637
ISC	**III**	**03 22 49 30**±1.1	**38.19N**±.090	**20.69E**±.097	**1**		**5**	**0-2**
THE	III	03 22 49 31.5	38.2N	20.6E	1			¶97iii0705
ATH	III	03 22 49 31.6	38.19N	20.59E	5	2.7D		
ISC	**III**	**04 05 19 35.9**±.54	**40.53N**±.041	**23.66E**±.056	**9**		**16**	**0-2**
THE	III	04 05 19 36.5	40.5N	23.7E	9	2.1L		¶97iii0793
ISC	**III**	**06 07 42 17.7**±.66	**39.39N**±.051	**21.42E**±.064	**6**		**13**	**1-2**
ATH	III	06 07 42 18.2	39.44N	21.48E	6	2.9D		¶97iii1229
THE	III	06 07 42 18.8	39.4N	21.4E	0	2.5L		
ISC	**III**	**06 11 09 26.4**±.51	**38.33N**±.044	**20.41E**±.039	**53**±7.1	**3.8b**	**71**	**0-70**
ROM	III	06 11 09 08.5	37.6N	21.9E	10	3.9D		¶97iii1257
EIDC	III	06 11 09 21.0	38.2N	20.8E	0	3.8b,3.6L		
THE	III	06 11 09 23.0	38.2N	20.4E	3	3.6L		
NEIC	III	06 11 09 24.2	38.17N	20.52E	33			
ATH	III	06 11 09 26.0	38.27N	20.51E	5	3.8L		
PDG	III	06 11 09 26.8	38.4N	20.0E	40	4.0L		
ISC	**III**	**07 02 15 12**±1.1	**38.23N**±.072	**20.43E**±.067	**8**±11		**29**	**0-5**
THE	III	07 02 15 10.9	38.1N	20.3E	10	3.0L		¶97iii1405
ATH	III	07 02 15 14.2	38.27N	20.43E	5	3.5L		
ISC	**III**	**07 09 48 10**±1.3	**40.21N**±.062	**21.82E**±.078	**3**±13		**10**	**1-1**
THE	III	07 09 48 11.5	40.2N	21.8E	2	2.3L		¶97iii1494
ISC	**III**	**07 14 35 28**±1.6	**38.71N**±.086	**21.60E**±.079	**4**±13		**19**	**0-3**
ATH	III	07 14 35 29.1	38.83N	21.48E	5	3.0D		¶97iii1534
THE	III	07 14 35 29.5	38.8N	21.5E	6	2.5L		
ISC	**III**	**08 20 24 23**±1.6	**38.7N**±.12	**21.6E**±.13	**5**		**11**	**0-3**
ATH	III	08 20 24 23.7	38.75N	21.56E	5	2.7D		¶97iii1825
THE	III	08 20 24 24.5	38.4N	21.8E	33	2.3L		
ISC	**III**	**08 22 07 51.5**±.73	**38.76N**±.031	**21.57E**±.032	**7**±5.1	**4.1b**	**108**	**0-121**
ATH	III	08 22 07 52.4	38.81N	21.51E	5	3.8L		¶97iii1844
THE	III	08 22 07 53.8	38.9N	21.6E	4	3.6L		
MOS	III	08 22 07 55.0	38.9N	21.5E	33	4.5b		
NEIC	III	08 22 07 55.0	38.87N	21.54E	33	3.9b		
EIDC	III	08 22 07 57.2	38.8N	21.5E	36	3.8b,3.7L		
PDG	III	08 22 08 03.3	39.0N	19.7E	40	3.6L		
ISC	**III**	**08 22 33 25**±1.1	**38.67N**±.083	**21.57E**±.074	**2**		**15**	**0-3**
ATH	III	08 22 33 25.3	38.70N	21.58E	2	3.0D		¶97iii1850
THE	III	08 22 33 26.1	38.7N	21.6E	0	2.8L		
ISC	**III**	**08 23 41 02**±2.9	**38.9N**±.22	**21.7E**±.11	**0**		**7**	**1-2**
THE	III	08 23 41 04.1	38.9N	21.7E	0	2.4L		¶97iii1863
ISC	**III**	**09 06 18 31.6**±.70	**38.76N**±.051	**21.55E**±.076	**5**		**15**	**0-3**
THE	III	09 06 18 30.3	38.7N	21.5E	0	3.2L		¶97iii1921
ATH	III	09 06 18 32.4	38.85N	21.44E	5	3.3L		
ISC	**III**	**09 08 16 33.1**±.82	**38.68N**±.049	**20.99E**±.058	**24**±8.3	**3.8b**	**38**	**1-46**
EIDC	III	09 08 16 31.3	38.8N	20.8E	0	3.9b,3.8L		¶97iii1933
THE	III	09 08 16 32.8	38.8N	21.0E	0	3.2L		
ATH	III	09 08 16 33.2	38.76N	20.91E	5	3.6L		
NEIC	III	09 08 16 34.3	38.84N	20.73E	33			
NEIC	Less reliable solution.							
ISC	**III**	**09 11 36 32.7**±.52	**38.79N**±.032	**21.61E**±.030	**19**±4.7	**3.9b**	**121**	**0-121**
ATH	III	09 11 36 32.5	38.84N	21.55E	5	4.0L		¶97iii1947
THE	III	09 11 36 33.1	38.9N	21.6E	2	3.9L		
MOS	III	09 11 36 33.6	38.8N	21.5E	33	4.7b		
NEIC	III	09 11 36 34.6	38.89N	21.59E	33	4.0b		
EIDC	III	09 11 36 38.0	38.9N	21.4E	49	3.7b,4.0L		
PDG	III	09 11 36 56.8	40.0N	19.8E	30	3.5L		
ISC	**III**	**09 11 37 01.5**±.46	**38.84N**±.064	**21.8E**±.12	**33**	**4.0b**	**28**	**6-121**
EIDC	III	09 11 36 58.2	38.9N	21.7E	0	4.0b,3.8L		¶97iii1948
NEIC	III	09 11 37 02.0	38.95N	21.52E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**09 11 44 43.0**±.72	**38.75N**±.051	**21.65E**±.062	**22**±5.8	**3.7b**	**42**	**0-76**
EIDC	III	09 11 44 41.0	38.8N	21.7E	0	3.7b,3.5L		¶97iii1950
ATH	III	09 11 44 43.2	38.82N	21.58E	5	3.4L		
NEIC	III	09 11 44 44.4	38.88N	21.44E	33	3.3b		
THE	III	09 11 44 45.3	39.0N	21.7E	4	3.2L		
NEIC	Less reliable solution.							
ISC	**III**	**09 12 02 47**±1.2	**38.74N**±.099	**21.62E**±.098	**22**±9.9	3.3b	**11**	**0-73**
ATH	III	09 12 02 46.9	38.79N	21.53E	5	2.9D		¶97iii1952
THE	III	09 12 02 47.0	38.6N	21.7E	23	3.1L		
ISC	**III**	**09 12 33 09**±1.7	**39.2N**±.14	**21.6E**±.11	**0**		**5**	**1-2**
THE	III	09 12 33 09.1	39.1N	21.6E	0	2.4L		¶97iii1962
ISC	**III**	**09 12 50 30.1**±.65	**38.82N**±.048	**21.59E**±.055	**5**		**33**	**0-8**
ATH	III	09 12 50 31.1	38.85N	21.50E	5	3.4L		¶97iii1967
THE	III	09 12 50 32.6	39.0N	21.6E	1	3.0L		
ISC	**III**	**09 13 48 04.1**±.68	**38.82N**±.049	**21.57E**±.062	**5**		**24**	**0-3**
ATH	III	09 13 48 05.0	38.86N	21.40E	5	3.4L		¶97iii1982
THE	III	09 13 48 06.6	38.9N	21.6E	4	3.1L		
ISC	**III**	**09 14 12 11**±1.6	**38.7N**±.11	**21.6E**±.11	**2**±15		**12**	**0-3**
ATH	III	09 14 12 11.5	38.80N	21.61E	10	2.8D		¶97iii1984
THE	III	09 14 12 12.2	38.8N	21.5E	4	2.4L		
ISC	**III**	**09 16 23 15.1**±.98	**38.80N**±.078	**21.58E**±.066	**5**		**19**	**0-3**
ATH	III	09 16 23 15.1	38.82N	21.57E	5	3.0D		¶97iii2021
THE	III	09 16 23 15.9	38.8N	21.6E	1	2.8L		
ISC	**III**	**09 16 44 15.9**±.81	**38.73N**±.035	**21.57E**±.039	**7**±5.8	**3.9b**	**75**	**0-121**
ATH	III	09 16 44 17.0	38.82N	21.54E	5	3.6L		¶97iii2024
THE	III	09 16 44 17.5	38.8N	21.6E	1	3.5L		
NEIC	III	09 16 44 18.9	38.83N	21.47E	33	3.6b		
PDG	III	09 16 44 20.9	38.6N	19.9E	29	3.8L		
EIDC	III	09 16 44 23.3	38.9N	21.3E	50	3.6b,3.6L		
ISC	**III**	**09 22 00 57**±1.2	**38.80N**±.097	**21.5E**±.12	**10**		**8**	**1-3**
ATH	III	09 22 00 57.0	38.81N	21.56E	10	2.9D		¶97iii2097
ISC	**III**	**09 22 25 39**±1.0	**40.27N**±.064	**23.04E**±.094	**13**		**7**	**0-1**
THE	III	09 22 25 39.9	40.3N	23.0E	13	1.5L		¶97iii2100
ISC	**III**	**10 14 11 34.3**±.65	**38.80N**±.039	**21.58E**±.042	**15**±5.9	**4.0b**,6.3S	**67**	**0-121**
THE	III	10 14 11 34.1	38.9N	21.5E	1	3.6L		¶97iii2224
ATH	III	10 14 11 34.6	38.87N	21.54E	5	3.9L		
NEIC	III	10 14 11 35.9	38.77N	21.61E	33	3.5b		
EIDC	III	10 14 11 42.2	38.9N	21.5E	66	3.6b,3.8L		
ISC	**III**	**10 15 35 01.1**±.56	**38.83N**±.040	**21.52E**±.059	**5**		**24**	**0-3**
ATH	III	10 15 35 01.9	38.86N	21.46E	5	3.5L		¶97iii2239
THE	III	10 15 35 03.3	39.0N	21.6E	0	3.2L		
ISC	**III**	**10 16 38 21.1**±.84	**38.74N**±.062	**21.67E**±.099	**11**		**9**	**0-3**
THE	III	10 16 38 21.2	38.9N	21.6E	11	2.5L		¶97iii2246
ATH	III	10 16 38 21.3	38.84N	21.51E	5	3.1D		
ISC	**III**	**10 23 21 54**±5.0	**38.4N**±.28	**21.7E**±.44	**10**		**4**	**0-3**
ATH	III	10 23 21 53.8	38.40N	21.78E	10	2.8D		¶97iii2279
ISC	Poorly determined							
ATH	**III**	**11 01 34 58.5**	**38.73N**	**21.92E**	**30**	**2.7D**		¶97iii2292
ISC	**III**	**11 05 33 53.9**±.82	**38.83N**±.051	**21.51E**±.058	**2**±9.1		**23**	**0-3**
ATH	III	11 05 33 55.5	38.88N	21.39E	5	3.4L		¶97iii2313
THE	III	11 05 33 56.4	38.9N	21.6E	0	2.9L		
ISC	**III**	**11 07 19 54**±1.4	**38.74N**±.092	**21.72E**±.089	**11**±9.6		**13**	**0-3**
ATH	III	11 07 19 54.4	38.74N	21.72E	10	2.9D		¶97iii2332
THE	III	11 07 19 56.5	38.9N	21.7E	10	2.6L		
ISC	**III**	**11 16 04 23**±4.4	**38.1N**±.15	**20.4E**±.41	**10**		**4**	**0-2**
ATH	III	11 16 04 25.7	38.11N	20.55E	10			¶97iii2408
ISC	Poorly determined							
ISC	**III**	**11 17 43 07**±1.4	**38.7N**±.14	**21.7E**±.13	**12**±10		**10**	**0-3**
THE	III	11 17 43 08.1	38.7N	21.7E	10	2.3L		¶97iii2421
ISC	**III**	**13 14 55 01**±1.8	**38.6N**±.11	**21.7E**±.10	**5**±12		**13**	**0-3**
ATH	III	13 14 54 58.8	38.57N	22.02E	10	3.0D		¶97iii2728
THE	III	13 14 55 02.3	38.7N	21.6E	7	2.8L		
ISC	**III**	**13 14 58 00.5**±.82	**38.77N**±.040	**21.68E**±.052	**13**±6.2	**3.7b**	**45**	**0-73**
THE	III	13 14 57 59.9	38.7N	21.6E	10	3.2L		¶97iii2729
EIDC	III	13 14 58 00.1	38.8N	21.6E	0	3.7b,3.3L		
ATH	III	13 14 58 00.6	38.84N	21.50E	5	3.4L		
NEIC	III	13 14 58 02.6	38.78N	21.75E	30			
NEIC	Less reliable solution.							
ISC	**III**	**13 16 20 01**±1.1	**38.86N**±.083	**21.53E**±.065	**9**±8.8		**17**	**0-3**
ATH	III	13 16 20 00.6	38.80N	21.76E	31	3.1D		¶97iii2732
THE	III	13 16 20 02.3	38.9N	21.5E	10	2.7L		

ISC	**III**	**13 23 46 10.5**±.80	**38.80N**±.045	**21.65E**±.059	**6**±7.9		**27**	**0-8**	
THE	III	13 23 46 10.9	38.8N	21.6E	8	3.1L			**¶97iii2784**
ATH	III	13 23 46 11.4	38.84N	21.52E	5	3.3L			
ISC	**III**	**14 05 00 36**±9.0	**38.2N**±.60	**21.5E**±.21	**6**		**6**	**1-3**	
THE	III	14 05 00 51.4	39.1N	22.0E	6	2.0L			**¶97iii2812**
ISC	**III**	**14 19 20 50**±1.6	**38.62N**±.091	**21.72E**±.077	**9**±9.9		**18**	**0-3**	
ATH	III	14 19 20 50.6	38.64N	21.71E	7	3.1D			**¶97iii2937**
THE	III	14 19 20 51.3	38.6N	21.7E	17	3.0L			
ISC	**III**	**15 04 07 18.7**±.84	**38.87N**±.066	**21.20E**±.070	**13**		**19**	**0-3**	
THE	III	15 04 07 18.7	38.9N	21.2E	0	2.6L			**¶97iii2993**
ATH	III	15 04 07 18.9	38.87N	21.13E	13	3.2D			
ISC	**III**	**15 04 58 17.9**±.58	**38.94N**±.045	**21.18E**±.056	**1**		**25**	**1-5**	
THE	III	15 04 58 18.8	38.9N	21.2E	1				**¶97iii3002**
ATH	III	15 04 58 20.6	38.95N	20.99E	5				
ISC	**III**	**15 04 59 17.6**±.92	**38.84N**±.077	**21.16E**±.091	**10**		**12**	**1-3**	
ATH	III	15 04 59 17.6	38.82N	21.25E	10	3.2D			**¶97iii3003**
THE	III	15 04 59 21.3	38.9N	21.3E	10				
ISC	**III**	**15 09 08 35**±1.2	**38.84N**±.088	**21.52E**±.093	**3**		**5**	**0-1**	
ATH	III	15 09 08 35.8	38.77N	21.60E	3	2.9D			**¶97iii3022**
ISC	**III**	**15 20 03 04.5**±.42	**39.54N**±.041	**21.08E**±.038	**5**	3.5b	**34**	**0-22**	
ATH	III	15 20 03 04.8	39.63N	21.07E	5	3.4D			**¶97iii3101**
THE	III	15 20 03 05.0	39.6N	21.0E	0	3.1L			
ISC	**III**	**15 23 49 58.3**±.35	**38.85N**±.033	**21.20E**±.029	**52**±5.1	**3.9b**	**104**	**0-87**	
ROM	III	15 23 49 42.2	38.4N	22.6E	10	3.6D			**¶97iii3133**
MOS	III	15 23 49 56.0	38.7N	21.1E	33	4.2b			
NEIC	III	15 23 49 56.2	38.74N	21.18E	33	4.3b			
ATH	III	15 23 49 56.7	38.80N	21.22E	5	3.8L			
THE	III	15 23 49 58.4	38.9N	21.3E	10	3.6L			
EIDC	III	15 23 50 01.9	39.0N	20.9E	62	3.7b			
NEIC	$M_{L4.1}$(ROM).								
ISC	**III**	**16 02 18 06**±1.0	**38.76N**±.088	**21.3E**±.11	**13**		**8**	**0-3**	
THE	III	16 02 18 06.0	38.9N	21.2E	13				**¶97iii3150**
ATH	III	16 02 18 06.5	38.88N	21.21E	21	3.0D			
ISC	**III**	**16 02 59 39.8**±.83	**38.70N**±.073	**21.35E**±.063	**44**±10	**3.6b**	**41**	**0-31**	
EIDC	III	16 02 59 23.2	37.2N	21.5E	20	3.6b,3.7L			**¶97iii3155**
NEIC	III	16 02 59 33.3	38.19N	21.44E	33				
ATH	III	16 02 59 39.6	38.82N	21.22E	7	3.5L			
THE	III	16 02 59 40.4	38.9N	21.3E	6	3.4L			
NEIC	Poor solution.								
ISC	**III**	**17 18 43 57.4**±.94	**38.29N**±.088	**20.7E**±.17	**11**±17		**14**	**0-3**	
THE	III	17 18 43 57.8	38.3N	20.6E	10	2.9L			**¶97iii3419**
ATH	III	17 18 43 59.2	38.21N	20.63E	5	3.0D			
ISC	**III**	**18 00 03 05.5**±.60	**38.85N**±.041	**21.53E**±.062	**5**		**23**	**0-8**	
ATH	III	18 00 03 06.9	38.87N	21.44E	5	3.3D			**¶97iii3452**
THE	III	18 00 03 08.1	39.0N	21.6E	1	3.2L			
THE	**III**	**18 07 15 25.5**	**40.2N**	**23.3E**	**7**				**¶97iii3501**
ISC	**III**	**18 08 52 51.1**±.63	**38.82N**±.046	**21.56E**±.060	**5**		**28**	**0-8**	
ATH	III	18 08 52 50.8	38.75N	21.55E	5	3.3D			**¶97iii3513**
THE	III	18 08 52 52.1	38.9N	21.6E	1	3.0L			
ISC	**III**	**18 18 43 26.8**±.89	**38.27N**±.057	**21.6E**±.10	**5**		**6**	**1-2**	
ATH	III	18 18 43 28.4	38.24N	21.59E	5	2.6D			**¶97iii3578**
THE	III	18 18 43 28.5	38.3N	21.6E	0				
ISC	**III**	**18 22 38 09.9**±.78	**39.21N**±.056	**21.64E**±.070	**7**		**16**	**0-3**	
ATH	III	18 22 38 10.6	39.23N	21.78E	7	2.8D			**¶97iii3598**
THE	III	18 22 38 10.8	39.2N	21.6E	0	2.7L			
ATH	**III**	**19 01 41 25.4**	**38.20N**	**23.70E**	**10**				**¶97iii3610**
ISC	**III**	**19 18 09 59.9**±.47	**38.86N**±.040	**21.59E**±.056	**46**±5.6	**4.0b**	**54**	**0-78**	
ATH	III	19 18 09 58.1	38.92N	21.62E	5	3.7L			**¶97iii3746**
THE	III	19 18 09 58.2	38.9N	21.6E	0	3.5L			
MOS	III	19 18 10 06.1	39.2N	21.5E	87	4.6b			
NEIC	III	19 18 10 06.1	39.19N	21.37E	91	4.0b			
EIDC	III	19 18 10 09.9	39.3N	21.4E	103	3.6b			
NEIC	Less reliable solution.								
ISC	**III**	**19 18 24 00.0**±.45	**38.84N**±.038	**21.59E**±.059	**5**	**3.7b**	**31**	**0-121**	
THE	III	19 18 24 00.5	38.8N	21.6E	7	3.3L			**¶97iii3750**
EIDC	III	19 18 24 00.8	38.9N	21.5E	0	3.6b,2.7L			
ATH	III	19 18 24 01.3	38.82N	21.49E	5	3.1D			
NEIC	III	19 18 24 05.5	38.88N	21.85E	50				
NEIC	Less reliable solution.								
ISC	**III**	**19 18 25 26**±3.4	**38.8N**±.25	**21.8E**±.12	**12**±17		**8**	**1-3**	
THE	III	19 18 25 27.7	38.8N	21.7E	14	3.3L			**¶97iii3751**
ISC	**III**	**20 02 30 02.6**±.56	**38.81N**±.039	**21.51E**±.059	**5**		**29**	**0-8**	
ATH	III	20 02 30 03.3	38.88N	21.42E	5	3.4L			**¶97iii3816**
THE	III	20 02 30 04.6	39.0N	21.6E	0	3.2L			
ISC	**III**	**20 02 32 26.8**±.73	**38.81N**±.045	**21.45E**±.084	**18**±8.0	**3.7b**	**33**	**0-73**	
EIDC	III	20 02 32 25.2	38.9N	21.6E	0	3.8b,3.8L			**¶97iii3817**
NEIC	III	20 02 32 26.0	38.52N	21.62E	33	3.3b			
ATH	III	20 02 32 26.3	38.86N	21.48E	5	3.5L			
THE	III	20 02 32 27.9	38.9N	21.3E	10	3.3L			
NEIC	Poor solution.								
ISC	**III**	**21 02 01 30**±1.2	**39.2N**±.11	**22.76E**±.095	**13**±14		**8**	**0-2**	
THE	III	21 02 01 31.1	39.1N	22.8E	15	1.9L			**¶97iii3983**
THE	**III**	**21 07 13 54.3**	**38.7N**	**23.2E**	**1**	**2.5L**			**¶97iii4028**
ISC	**III**	**21 11 28 17**±1.4	**38.7N**±.12	**21.6E**±.12	**10**±12		**12**	**0-3**	
ATH	III	21 11 28 16.1	38.85N	21.73E	29	2.8D			**¶97iii4061**
THE	III	21 11 28 17.8	38.8N	21.6E	1	2.4L			
ISC	**III**	**22 02 23 04.6**±.60	**38.75N**±.042	**21.17E**±.068	**3**		**17**	**1-3**	
THE	III	22 02 23 05.6	38.7N	21.2E	3	2.7L			**¶97iii4185**
ATH	III	22 02 23 05.9	38.77N	21.18E	5	3.0D			
ISC	**III**	**22 07 50 37**±1.6	**38.7N**±.11	**21.6E**±.15	**2**		**7**	**0-2**	
ATH	III	22 07 50 36.8	38.64N	21.70E	2	2.8D			**¶97iii4226**
THE	III	22 07 50 37.9	38.8N	21.6E	1	2.5L			
ATH	**III**	**22 07 59 13.2**	**38.70N**	**21.12E**	**10**	**2.6D**			**¶97iii4227**
ISC	**III**	**22 12 07 01**±3.3	**38.6N**±.23	**21.1E**±.11	**5**		**13**	**1-3**	
ATH	III	22 12 07 00.1	38.44N	21.13E	5	3.1D			**¶97iii4258**
THE	III	22 12 07 01.7	38.6N	21.1E	0	2.9L			
ISC	**III**	**22 22 57 37**±1.2	**38.8N**±.11	**21.6E**±.12	**26**		**8**	**0-3**	
ATH	III	22 22 57 36.2	38.77N	21.76E	26	2.8D			**¶97iii4331**
THE	III	22 22 57 37.2	38.8N	21.5E	10	2.4L			
ISC	**III**	**23 11 01 43.6**±.81	**38.62N**±.057	**21.69E**±.088	**5**		**14**	**0-3**	
ATH	III	23 11 01 43.3	38.59N	21.85E	5	3.0D			**¶97iii4431**
THE	III	23 11 01 46.8	38.8N	21.6E	9	2.6L			
ISC	**III**	**23 17 32 30.7**±.68	**38.80N**±.049	**21.64E**±.062	**5**	3.3b	**19**	**0-23**	
ATH	III	23 17 32 31.6	38.83N	21.49E	5	3.3L			**¶97iii4466**
THE	III	23 17 32 33.3	38.9N	21.7E	2	2.9L			
ISC	**III**	**23 18 10 18.9**±.96	**38.28N**±.058	**22.37E**±.089	**33**±13		**15**	**1-3**	
ATH	III	23 18 10 19.1	38.28N	22.47E	29	2.9D			**¶97iii4469**
THE	III	23 18 10 19.9	38.3N	22.2E	31	2.6L			
ATH	**III**	**24 01 28 37.2**	**38.76N**	**21.86E**	**34**	**2.9D**			**¶97iii4505**
THE	III	24 01 28 39.3	38.8N	21.5E	0	2.3L			
ISC	**III**	**24 03 55 19.8**±.69	**39.00N**±.052	**22.52E**±.059	**5**		**18**	**0-3**	
THE	III	24 03 55 20.0	39.0N	22.5E	0	2.6L			**¶97iii4523**
ATH	III	24 03 55 23.1	39.06N	22.43E	5	3.0D			
ISC	**III**	**24 04 48 49**±2.6	**39.0N**±.13	**22.5E**±.21	**5**		**7**	**1-2**	
THE	III	24 04 48 50.7	39.0N	22.4E	0	2.3L			**¶97iii4531**
ATH	III	24 04 48 51.1	38.97N	22.42E	5	2.8D			
ISC	**III**	**24 14 21 36.3**±.89	**40.43N**±.056	**21.17E**±.089	**5**		**9**	**0-2**	
THE	III	24 14 21 37.2	40.4N	21.2E	5	2.1L			**¶97iii4576**
ISC	**III**	**24 19 22 02.7**±.70	**38.16N**±.055	**21.74E**±.067	**20**		**19**	**0-3**	
THE	III	24 19 22 03.2	38.2N	21.8E	0	2.7L			**¶97iii4606**
ATH	III	24 19 22 04.1	38.08N	21.60E	20	3.3L			
ISC	**III**	**26 09 32 38**±2.5	**40.81N**±.074	**22.99E**±.099	**11**±50		**6**	**0-1**	
THE	III	26 09 32 38.6	40.8N	23.0E	10	1.5L			**¶97iii4900**
ISC	**III**	**26 12 35 17.7**±.39	**40.05N**±.034	**21.67E**±.036	**5**	3.6b	**35**	**0-22**	
NEIC	III	26 12 35 18.2	40.08N	21.64E	5	3.6b			**¶97iii4960**
THE	III	26 12 35 18.5	40.1N	21.7E	0	3.0L			
ATH	III	26 12 35 18.9	40.08N	21.65E	5	2.8D			
ISC	**III**	**26 12 44 05.4**±.88	**40.95N**±.060	**23.69E**±.075	**0**		**9**	**0-2**	
THE	III	26 12 44 06.3	41.0N	23.7E	0	1.8L			**¶97iii4963**
THE	**III**	**27 10 54 00.6**	**39.1N**	**22.0E**	**10**	**2.2L**			**¶97iii5201**
ISC	**III**	**28 07 35 58**±1.2	**40.3N**±.14	**22.0E**±.17	**12**±33		**5**	**0-2**	
THE	III	28 07 35 59.0	40.3N	22.0E	6				**¶97iii5380**
ISC	Poorly determined								
ISC	**III**	**28 08 15 46.9**±.95	**40.65N**±.066	**23.4E**±.11	**0**		**6**	**0-1**	
THE	III	28 08 15 47.7	40.7N	23.4E	0	1.7L			**¶97iii5388**
ISC	**III**	**28 09 32 03**±2.5	**40.8N**±.20	**23.1E**±.10	**0**		**4**	**0-1**	
THE	III	28 09 32 03.8	40.8N	23.1E	0	1.4L			**¶97iii5407**
ISC	Poorly determined								
ISC	**III**	**29 09 48 20**±5.1	**38.8N**±.44	**21.8E**±.14	**10**		**4**	**0-2**	
THE	III	29 09 48 20.4	38.7N	21.8E	10	2.2L			**¶97iii5569**
ISC	Poorly determined								
ISC	**III**	**30 00 09 48**±8.8	**38.8N**±.57	**23.3E**±.37	**11**		**4**	**1-3**	
THE	III	30 00 09 49.3	38.9N	23.3E	11	2.6L			**¶97iii5667**
ISC	Poorly determined								
ISC	**IV**	**01 04 57 48**±1.0	**40.26N**±.084	**21.7E**±.12	**10**		**5**	**1-1**	
THE	IV	01 04 57 49.7	40.2N	21.7E	10	1.9L			**¶97iv0020**
ISC	**IV**	**04 18 24 34**±1.2	**39.05N**±.088	**22.08E**±.091	**13**±13		**9**	**0-2**	
ATH	IV	04 18 24 34.3	38.99N	22.10E	10	2.9D			**¶97iv0645**
THE	IV	04 18 24 35.1	39.0N	22.1E	15	2.5L			
ISC	**IV**	**04 23 28 53**±1.5	**38.65N**±.081	**20.6E**±.16	**2**±19		**6**	**0-2**	
THE	IV	04 23 28 54.2	38.6N	20.6E	11	2.6L			**¶97iv0670**
ATH	IV	04 23 28 54.2	38.58N	20.49E	15	2.9D			
ISC	**IV**	**05 07 58 57.5**±.63	**38.06N**±.054	**21.87E**±.089	**58**±8.7	**3.6b**,2.4s	**29**	**1-74**	
NEIC	IV	05 07 58 53.3	37.82N	21.88E	33	3.8b			**¶97iv0730**
ATH	IV	05 07 58 54.6	38.08N	21.71E	5	3.4L			
THE	IV	05 07 58 56.6	38.2N	22.0E	1	3.5L			
EIDC	IV	05 07 59 02.4	38.3N	21.7E	76	3.4b,2.4s			
NEIC	Poor solution.								
ISC	**IV**	**05 08 10 07.3**±.89	**38.01N**±.048	**21.61E**±.068	**30**±8.6	**3.5b**	**38**	**1-77**	
EIDC	IV	05 08 10 02.4	38.0N	21.9E	0	3.6b,3.9L			**¶97iv0734**
THE	IV	05 08 10 07.5	38.1N	21.8E	0	3.5L			
ATH	IV	05 08 10 07.8	38.02N	21.63E	10	3.5L			
NEIC	IV	05 08 10 08.1	38.09N	21.37E	33	3.6b			
NEIC	Poor solution.								
ISC	**IV**	**05 08 11 39**±1.7	**38.1N**±.16	**21.7E**±.13	**7**		**4**	**1-2**	
ATH	IV	05 08 11 40.5	38.16N	21.66E	7	3.1L			**¶97iv0735**
ISC	Poorly determined								
ISC	**IV**	**06 23 27 39.6**±.77	**40.59N**±.065	**23.08E**±.083	**17**±14		**9**	**0-1**	
THE	IV	06 23 27 40.0	40.6N	23.1E	8	2.4L			**¶97iv1073**
ISC	**IV**	**07 00 23 20**±1.5	**38.7N**±.11	**21.7E**±.12	**5**		**7**	**0-3**	
ATH	IV	07 00 23 18.3	38.59N	21.88E	5	2.8D			**¶97iv1080**
THE	IV	07 00 23 20.9	38.7N	21.6E	5	2.3L			
ISC	**IV**	**07 09 17 04**±1.7	**40.89N**±.083	**23.7E**±.14	**2**		**6**	**0-1**	
THE	IV	07 09 17 04.4	40.9N	23.7E	2	2.0L			**¶97iv1133**
ISC	**IV**	**07 12 23 04**±1.5	**40.0N**±.12	**23.4E**±.11	**5**		**4**	**0-1**	
THE	IV	07 12 23 04.2	40.0N	23.4E	5				**¶97iv1158**
ISC	Poorly determined								
ISC	**IV**	**07 12 32 21.8**±.40	**40.23N**±.030	**22.65E**±.030	**26**±4.3	**3.7b**,3.5s	**82**	**0-95**	
NEIC	IV	07 12 32 18.6	40.14N	22.59E	10				**¶97iv1159**
EIDC	IV	07 12 32 18.6	40.1N	22.6E	0	3.7b,3.8L			
ATH	IV	07 12 32 21.7	40.52N	22.62E	6	3.9L			
THE	IV	07 12 32 21.7	40.2N	22.6E	10	3.6L			
PDG	IV	07 12 32 24.5	40.2N	22.2E	10	3.8L			
NEIC	$M_{L3.4}$(SKO).								
ISC	**IV**	**09 20 29 56.2**±.70	**38.02N**±.051	**21.27E**±.066	**7**		**24**	**1-5**	
THE	IV	09 20 29 57.1	38.0N	21.2E	7	3.2L			**¶97iv1579**
ATH	IV	09 20 29 57.6	37.99N	21.08E	18	3.5L			
ISC	**IV**	**10 10 52 51**±1.6	**40.49N**±.096	**23.1E**±.13	**10**		**6**	**0-1**	
THE	IV	10 10 52 51.9	40.5N	23.1E	10				**¶97iv1677**
ISC	**IV**	**11 01 08 59.9**±.88	**38.80N**±.042	**23.50E**±.063	**1**±9.2		**23**	**0-4**	
THE	IV	11 01 09 01.2	38.8N	23.5E	7	3.0L			**¶97iv1773**
ATH	IV	11 01 09 02.8	38.74N	23.63E	27	3.3L			
ISC	**IV**	**11 02 37 04**±1.3	**38.05N**±.066	**21.3E**±.11	**1**±23		**7**	**0-2**	
THE	IV	11 02 37 05.6	38.0N	21.3E	1				**¶97iv1788**
ATH	IV	11 02 37 05.9	38.06N	21.30E	5	2.7D			
ISC	**IV**	**12 19 51 13**±1.4	**40.1N**±.10	**21.6E**±.16	**7**		**5**	**1-1**	
THE	IV	12 19 51 13.4	40.1N	21.6E	7	2.2L			**¶97iv2119**
ISC	**IV**	**13 01 28 25**±1.6	**38.5N**±.16	**20.6E**±.14	**32**±23		**6**	**0-2**	
ATH	IV	13 01 28 26.1	38.48N	20.70E	24	2.9D			**¶97iv2168**
THE	IV	13 01 28 26.2	38.6N	20.7E	4				
ISC	**IV**	**13 16 15 30**±1.1	**38.76N**±.087	**21.58E**±.085	**5**		**11**	**0-3**	
ATH	IV	13 16 15 31.1	38.76N	21.56E	5	3.0D			**¶97iv2264**
THE	IV	13 16 15 31.3	38.8N	21.6E	7	2.7L			
ISC	**IV**	**14 04 59 46.1**±.87	**40.65N**±.059	**22.39E**±.079	**0**		**8**	**0-1**	
THE	IV	14 04 59 47.2	40.6N	22.4E	0	1.6L			**¶97iv2389**
ISC	**IV**	**15 07 02 08.3**±.73	**39.34N**±.055	**22.63E**±.070	**8**		**13**	**0-3**	
THE	IV	15 07 02 09.2	39.3N	22.6E	8	2.6L			**¶97iv2574**
ATH	IV	15 07 02 10.9	39.37N	22.54E	20	2.9D			
ISC	**IV**	**15 15 35 51**±1.1	**40.09N**±.071	**21.85E**±.097	**1**		**9**	**0-2**	
THE	IV	15 15 35 52.5	40.1N	21.8E	1	2.3L			**¶97iv2619**
ISC	**IV**	**15 21 35 37.7**±.44	**40.12N**±.039	**21.94E**±.042	**5**		**26**	**0-3**	
ATH	IV	15 21 35 38.1	40.17N	21.93E	5	3.0D			**¶97iv2652**
THE	IV	15 21 35 38.2	40.1N	21.9E	6	2.5L			
ISC	**IV**	**15 21 46 19.4**±.44	**40.11N**±.038	**21.90E**±.041	**2**		**26**	**0-3**	
THE	IV	15 21 46 20.4	40.1N	21.9E	2	2.6L			**¶97iv2653**
ATH	IV	15 21 46 20.5	40.14N	21.89E	5	2.8D			
ISC	**IV**	**15 22 08 08**±2.2	**40.0N**±.14	**21.8E**±.12	**3**		**10**	**1-2**	
THE	IV	15 22 08 09.9	40.0N	21.8E	3	2.1L			**¶97iv2656**
THE	**IV**	**15 22 09 14.8**	**40.1N**	**21.9E**	**6**	**2.0L**			**¶97iv2657**
ISC	**IV**	**15 22 20 04.3**±.56	**40.12N**±.025	**21.90E**±.029	**5**±4.9	**3.6b**	**77**	**0-90**	
EIDC	IV	15 22 20 01.6	40.2N	22.6E	0	3.5b,3.6L			**¶97iv2659**
THE	IV	15 22 20 05.0	40.1N	21.8E	10	3.3L			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ATH	IV	15 22 20 05.8	40.26N	21.91E	9	3.9L		
NEIC	IV	15 22 20 06.0	40.13N	21.85E	33	3.5b		
PDG	IV	15 22 20 08.1	40.2N	21.5E	10	3.8L		
ISC	**IV**	**16 15 04 04.2**±.83	**39.03N**±.069	**22.05E**±.072	**5**		**12**	**0-2**
ATH	IV	16 15 04 05.2	38.97N	22.00E	5	2.9D		¶97iv2778
THE	IV	16 15 04 06.0	39.0N	22.2E	20	2.6L		
ISC	**IV**	**16 22 30 24**±1.2	**38.05N**±.082	**20.8E**±.11	**3**		**12**	**0-4**
THE	IV	16 22 30 24.6	38.0N	20.8E	3	3.0L		¶97iv2816
ATH	IV	16 22 30 25.4	38.08N	20.66E	5	3.0D		
ISC	**IV**	**17 04 08 26**±1.1	**38.78N**±.093	**21.53E**±.074	**2**±11		**12**	**0-3**
ATH	IV	17 04 08 25.7	38.71N	21.74E	25	2.9D		¶97iv2854
THE	IV	17 04 08 27.1	38.8N	21.5E	4	2.7L		
ISC	**IV**	**17 07 31 08.9**±.93	**40.71N**±.078	**21.66E**±.086	**7**±12		**8**	**0-2**
THE	IV	17 07 31 10.0	40.7N	21.7E	4	2.2L		¶97iv2867
ISC	**IV**	**17 10 11 30.0**±.74	**40.72N**±.052	**23.05E**±.070	**3**		**8**	**0-1**
THE	IV	17 10 11 30.8	40.7N	23.0E	3	1.9L		¶97iv2883
ISC	**IV**	**17 11 19 06.2**±.76	**38.94N**±.054	**23.61E**±.069	**11**±9.2		**18**	**0-73**
ATH	IV	17 11 19 07.0	38.98N	23.67E	5	3.1L		¶97iv2889
THE	IV	17 11 19 07.3	38.9N	23.6E	6	2.7L		
ISC	**IV**	**17 20 03 16.1**±.44	**40.10N**±.036	**22.77E**±.040	**20**±5.8	**3.4b**	**43**	**0-72**
EIDC	IV	17 20 03 12.6	40.2N	23.5E	0	3.4b		¶97iv2966
THE	IV	17 20 03 16.4	40.1N	22.7E	11	3.2L		
NEIC	IV	17 20 03 17.0	40.09N	22.82E	33			
ATH	IV	17 20 03 17.3	40.29N	22.64E	35	3.4D		
NEIC	Less reliable solution.							
ISC	**IV**	**18 02 38 04.6**±.69	**40.68N**±.052	**22.75E**±.066	**10**±14		**11**	**0-2**
THE	IV	18 02 38 05.7	40.7N	22.8E	6	2.1L		¶97iv3013
ISC	**IV**	**18 07 08 32.6**±.52	**40.12N**±.040	**21.74E**±.056	**2**		**19**	**0-2**
THE	IV	18 07 08 33.5	40.1N	21.7E	2	2.6L		¶97iv3032
ATH	IV	18 07 08 33.8	40.12N	21.70E	5	2.9D		
ISC	**IV**	**18 10 50 01**±1.3	**40.7N**±.13	**23.0E**±.11	**11**±14		**5**	**0-1**
THE	IV	18 10 50 01.7	40.7N	23.0E	4	1.4L		¶97iv3062
ISC	Poorly determined							
THE	**IV**	**18 13 45 08.9**	**40.1N**	**21.8E**	**10**	**1.7L**		¶97iv3085
THE	**IV**	**19 12 24 44.1**	**39.3N**	**22.4E**	**10**	**1.9L**		¶97iv3198
ISC	**IV**	**19 21 56 18.0**±.84	**40.15N**±.061	**21.64E**±.081	**2**		**8**	**1-2**
THE	IV	19 21 56 19.0	40.2N	21.7E	2	2.4L		¶97iv3243
ISC	**IV**	**20 00 07 00.5**±.85	**40.85N**±.060	**23.01E**±.080	**2**		**7**	**0-1**
THE	IV	20 00 07 01.1	40.9N	23.0E	2	1.7L		¶97iv3253
ISC	**IV**	**21 05 52 53**±1.4	**38.33N**±.061	**22.1E**±.10	**3**±19		**9**	**1-2**
THE	IV	21 05 52 53.9	38.3N	22.1E	1			¶97iv3412
ATH	IV	21 05 52 54.0	38.31N	22.07E	5	2.8D		
ISC	**IV**	**21 15 38 02**±1.5	**40.4N**±.10	**23.2E**±.16	**5**		**5**	**0-1**
THE	IV	21 15 38 02.5	40.4N	23.2E	5	1.6L		¶97iv3523
ISC	**IV**	**21 22 29 58**±1.0	**38.92N**±.037	**23.32E**±.058	**2**±9.1		**27**	**0-4**
THE	IV	21 22 29 59.0	38.9N	23.2E	6	3.0L		¶97iv3594
ATH	IV	21 22 30 01.7	38.87N	23.38E	36	3.5L		
ISC	**IV**	**22 00 30 10**±4.7	**38.9N**±.33	**23.6E**±.23	**7**±24		**5**	**0-1**
THE	IV	22 00 30 11.1	38.9N	23.7E	6			¶97iv3605
ISC	Poorly determined							
ISC	**IV**	**22 03 32 18**±1.6	**38.70N**±.098	**21.65E**±.087	**6**±11		**15**	**0-3**
ATH	IV	22 03 32 18.5	38.74N	21.64E	6	2.9D		¶97iv3632
THE	IV	22 03 32 19.1	38.8N	21.6E	6	2.7L		
ISC	**IV**	**22 06 49 25.1**±.45	**40.15N**±.035	**21.65E**±.048	**5**	3.6b	**30**	**0-22**
ATH	IV	22 06 49 25.7	40.28N	21.52E	5	3.2D		¶97iv3660
THE	IV	22 06 49 25.9	40.2N	21.6E	3	2.9L		
ATH	**IV**	**23 09 46 37.4**	**38.84N**	**21.94E**	**10**			¶97iv3930
ISC	**IV**	**24 15 16 52**±3.9	**38.8N**±.36	**21.7E**±.11	**11**±19		**13**	**1-3**
THE	IV	24 15 16 53.4	38.9N	21.6E	10	2.8L		¶97iv4167
ISC	**IV**	**25 10 38 57**±1.0	**38.11N**±.044	**20.32E**±.043	**6**±8.3		**49**	**0-9**
ATH	IV	25 10 38 58.5	38.12N	20.27E	5	3.7L		¶97iv4325
THE	IV	25 10 39 01.0	38.2N	20.5E	6	3.4L		
PDG	IV	25 10 39 04.0	38.6N	19.2E	10	3.3L		
ISC	**IV**	**27 07 31 44**±1.6	**39.37N**±.096	**21.9E**±.14	**15**		**9**	**0-3**
THE	IV	27 07 31 43.5	39.3N	21.7E	15	2.9L		¶97iv4687
ISC	**IV**	**28 22 21 32.4**±.63	**38.38N**±.044	**21.98E**±.072	**5**		**26**	**1-4**
ATH	IV	28 22 21 32.5	38.30N	21.69E	5	3.3L		¶97iv4985
THE	IV	28 22 21 33.0	38.4N	22.0E	0	2.9L		
ISC	**IV**	**29 03 08 44.2**±.62	**40.45N**±.035	**23.22E**±.048	**2**±6.7		**25**	**0-6**
THE	IV	29 03 08 45.6	40.4N	23.2E	8	3.0L		¶97iv5013
ISC	**IV**	**29 08 23 36**±2.4	**39.0N**±.18	**23.6E**±.11	**0**±17		**7**	**0-2**
THE	IV	29 08 23 36.6	39.0N	23.6E	3	2.4L		¶97iv5045
ISC	**IV**	**29 21 03 45.5**±.82	**40.44N**±.056	**23.17E**±.076	**5**		**8**	**0-1**
THE	IV	29 21 03 46.4	40.4N	23.2E	5	1.9L		¶97iv5122
ISC	**IV**	**30 02 20 01**±1.3	**39.3N**±.11	**21.50E**±.084	**10**		**10**	**1-3**
THE	IV	30 02 20 02.3	39.3N	21.5E	10	2.6L		¶97iv5147
ISC	**IV**	**30 11 37 10**±2.3	**39.0N**±.18	**23.2E**±.11	**5**		**4**	**1-1**
THE	IV	30 11 37 10.6	38.9N	23.3E	5			¶97iv5211
ISC	Poorly determined							
ISC	**IV**	**30 18 23 59.1**±.85	**38.77N**±.064	**21.20E**±.068	**5**		**14**	**0-3**
ATH	IV	30 18 23 59.9	38.80N	21.19E	5	2.8D		¶97iv5242
THE	IV	30 18 24 00.3	38.8N	21.2E	2	2.7L		
ISC	**IV**	**30 18 33 09**±1.1	**38.71N**±.055	**23.87E**±.090	**10**±12		**10**	**0-2**
THE	IV	30 18 33 09.5	38.7N	23.9E	7	2.7L		¶97iv5243
ATH	IV	30 18 33 15.1	38.30N	24.12E	10	2.7L		
ISC	**IV**	**30 18 36 08.1**±.33	**38.37N**±.027	**22.39E**±.026	**44**±3.8	**4.2b,3.4s**	**172**	**1-121**
THE	IV	30 18 36 05.8	38.3N	22.4E	2	3.8L		¶97iv5244
ATH	IV	30 18 36 05.9	38.30N	22.29E	5	4.4L		
NEIC	IV	30 18 36 06.6	38.33N	22.39E	33	4.0b		
MOS	IV	30 18 36 06.7	38.3N	22.5E	33	4.4b		
BJI	IV	30 18 36 09.0	38.30N	22.40E	33	4.8b		
EIDC	IV	30 18 36 10.5	38.4N	22.2E	51	4.0b,3.4s		
PDG	IV	30 18 36 15.9	38.8N	20.9E	10	4.0L		
ISC	**IV**	**30 19 05 01**±1.0	**38.70N**±.044	**23.90E**±.093	**11**±9.6		**15**	**0-3**
THE	IV	30 19 05 01.4	38.7N	23.8E	10	2.7L		¶97iv5248
ATH	IV	30 19 05 05.9	38.40N	23.88E	31	3.2L		
ISC	**IV**	**30 21 29 18.0**±.66	**38.46N**±.045	**21.33E**±.077	**5**		**15**	**0-4**
ATH	IV	30 21 29 19.2	38.57N	21.24E	5	3.0D		¶97iv5270
THE	IV	30 21 29 19.4	38.5N	21.3E	1	2.7L		
ISC	**V**	**01 03 18 40**±5.2	**38.9N**±.35	**23.7E**±.27	**8**		**4**	**0-1**
THE	V	01 03 18 41.5	38.9N	23.6E	8			¶97v0021
ISC	Poorly determined							
ISC	**V**	**01 09 23 05**±1.1	**38.76N**±.085	**21.54E**±.084	**5**		**10**	**0-3**
ATH	V	01 09 23 05.1	38.78N	21.53E	5	2.9D		¶97v0069
THE	V	01 09 23 05.4	38.8N	21.5E	3	2.6L		
ISC	**V**	**01 22 38 23**±3.5	**38.4N**±.10	**20.4E**±.38	**10**		**4**	**0-2**
ATH	V	01 22 38 23.1	38.40N	20.37E	10	2.6D		¶97v0169
ISC	Poorly determined							
ISC	**V**	**02 06 33 13.5**±.79	**38.43N**±.053	**21.85E**±.054	**20**±6.4	**3.7b**	**40**	**0-77**
EIDC	V	02 06 33 09.6	38.4N	22.3E	0	3.7b		¶97v0218
NEIC	V	02 06 33 09.9	37.99N	22.26E	33			
ATH	V	02 06 33 13.7	38.41N	21.85E	5	3.6L		
THE	V	02 06 33 14.0	38.5N	21.9E	0	3.2L		
NEIC	Poor solution.							
ISC	**V**	**03 09 29 51**±2.3	**38.90N**±.097	**20.4E**±.25	**10**		**6**	**1-3**
ATH	V	03 09 29 51.2	38.89N	20.34E	10			¶97v0411
ISC	**V**	**04 18 01 56**±1.1	**38.18N**±.084	**20.76E**±.094	**5**	3.3b	**12**	**0-73**
ATH	V	04 18 01 56.1	38.11N	20.72E	5	3.3D		¶97v0671
THE	V	04 18 01 56.1	38.2N	20.7E	2	2.8L		
ISC	**V**	**05 08 03 03**±1.1	**38.33N**±.077	**21.04E**±.094	**3**		**6**	**0-3**
THE	V	05 08 03 04.4	38.3N	21.1E	3			¶97v0761
ATH	V	05 08 03 04.4	38.29N	21.04E	2	2.8D		
ISC	**V**	**05 11 08 10**±1.1	**40.35N**±.074	**23.8E**±.12	**0**		**5**	**0-1**
THE	V	05 11 08 11.0	40.3N	23.8E	0	2.5L		¶97v0775
ISC	**V**	**06 13 14 45.5**±.42	**40.70N**±.035	**21.51E**±.039	**4**		**25**	**0-3**
TIR	V	06 13 14 44.6	40.75N	21.52E	4	2.9L		¶97v0966
THE	V	06 13 14 47.2	40.7N	21.5E	6	3.0L		
ATH	V	06 13 14 49.7	40.55N	21.67E	5	3.0D		
ISC	**V**	**06 15 13 29.2**±.99	**40.68N**±.068	**21.48E**±.091	**0**		**7**	**0-2**
THE	V	06 15 13 30.7	40.7N	21.5E	0	2.2L		¶97v0980
ISC	**V**	**06 23 42 13**±4.4	**38.9N**±.32	**23.6E**±.22	**9**±23		**5**	**0-1**
THE	V	06 23 42 12.5	38.9N	23.7E	8	2.4L		¶97v1031
ISC	Poorly determined							
ISC	**V**	**06 23 53 24**±5.6	**38.7N**±.39	**23.3E**±.16	**8**		**5**	**1-2**
THE	V	06 23 53 24.6	38.7N	23.4E	8	2.4L		¶97v1032
ISC	**V**	**07 04 47 19**±1.1	**38.52N**±.047	**21.58E**±.067	**0**±10		**18**	**0-3**
ATH	V	07 04 47 20.6	38.53N	21.49E	5	3.4L		¶97v1053
THE	V	07 04 47 22.5	38.6N	21.7E	4	2.7L		
ISC	**V**	**07 11 33 07**±1.6	**40.4N**±.14	**21.8E**±.12	**22**±17		**7**	**0-1**
THE	V	07 11 33 07.9	40.4N	21.8E	10	1.8L		¶97v1095
ISC	**V**	**07 23 47 31.0**±.87	**39.00N**±.040	**21.94E**±.060	**2**±9.2		**19**	**0-3**
THE	V	07 23 47 31.9	38.9N	22.0E	10	2.9L		¶97v1156
ATH	V	07 23 47 33.2	38.93N	21.91E	5	3.1L		
ISC	**V**	**07 23 47 49**±5.4	**38.7N**±.36	**22.0E**±.13	**12**±14		**11**	**0-3**
THE	V	07 23 47 51.9	38.8N	22.0E	11	3.1L		¶97v1157
ISC	**V**	**08 06 28 09**±1.1	**40.35N**±.075	**23.5E**±.12	**0**		**6**	**0-1**
THE	V	08 06 28 09.6	40.4N	23.5E	0	2.1L		¶97v1192
ISC	**V**	**08 16 53 02**±1.0	**38.87N**±.095	**21.2E**±.11	**35**		**7**	**1-2**
ATH	V	08 16 53 01.4	38.95N	21.13E	35	2.8D		¶97v1279
THE	V	08 16 53 01.9	38.9N	21.2E	0	2.5L		
ISC	**V**	**09 00 13 45.1**±.89	**39.05N**±.055	**21.52E**±.070	**9**±10		**16**	**0-2**
ATH	V	09 00 13 45.2	39.13N	21.49E	5	3.3L		¶97v1330
THE	V	09 00 13 45.7	39.0N	21.5E	6	2.4L		
ISC	**V**	**09 08 05 23**±1.9	**40.5N**±.12	**21.9E**±.14	**11**±19		**5**	**1-1**
THE	V	09 08 05 23.4	40.4N	21.9E	0	1.7L		¶97v1385
ISC	Poorly determined							
ISC	**V**	**09 14 58 02**±3.5	**38.8N**±.31	**21.7E**±.12	**10**±18		**8**	**1-2**
THE	V	09 14 58 02.0	38.8N	21.7E	8	2.3L		¶97v1441
ISC	**V**	**10 17 06 15.3**±.81	**40.69N**±.052	**22.79E**±.078	**11**		**9**	**0-1**
THE	V	10 17 06 16.2	40.7N	22.8E	11	2.0L		¶97v1632
ISC	**V**	**11 08 27 06**±1.3	**40.69N**±.092	**22.8E**±.12	**7**		**6**	**0-1**
THE	V	11 08 27 07.0	40.7N	22.8E	7	1.6L		¶97v1759
ISC	**V**	**14 02 47 16**±5.1	**38.7N**±.39	**21.7E**±.12	**8**		**6**	**1-3**
THE	V	14 02 47 15.3	38.7N	21.6E	8	2.4L		¶97v2371
ISC	**V**	**14 08 08 04**±1.1	**40.54N**±.072	**21.6E**±.11	**10**		**8**	**0-2**
THE	V	14 08 08 07.9	40.5N	21.9E	10	1.8L		¶97v2412
ISC	**V**	**14 12 00 53.9**±.58	**38.99N**±.044	**21.66E**±.051	**5**		**31**	**0-8**
THE	V	14 12 00 54.6	39.0N	21.7E	0	3.0L		¶97v2444
ATH	V	14 12 00 55.0	38.97N	21.67E	5	3.2D		
ISC	**V**	**14 13 47 32**±3.8	**38.6N**±.18	**22.7E**±.29	**5**		**5**	**1-3**
ATH	V	14 13 47 35.5	38.59N	22.61E	5	2.8D		¶97v2458
ISC	**V**	**14 23 28 09.8**±.67	**40.21N**±.043	**21.68E**±.050	**6**±7.8		**18**	**0-2**
THE	V	14 23 28 10.6	40.2N	21.7E	8	2.2L		¶97v2519
ATH	V	14 23 28 11.9	40.23N	21.67E	5			
THE	**V**	**15 08 49 51.2**	**40.4N**	**23.2E**	**0**			¶97v2587
THE	**V**	**15 14 57 53.4**	**40.5N**	**23.6E**	**0**			¶97v2634
ISC	**V**	**16 07 54 31**±1.5	**40.4N**±.10	**23.2E**±.16	**10**		**5**	**0-1**
THE	V	16 07 54 31.7	40.4N	23.3E	10	1.7L		¶97v2739
ISC	**V**	**16 23 22 01.7**±.67	**40.73N**±.049	**22.82E**±.061	**0**		**10**	**0-1**
THE	V	16 23 22 02.6	40.7N	22.8E	0	2.0L		¶97v2843
ISC	**V**	**17 00 56 06**±1.1	**38.96N**±.044	**23.66E**±.073	**3**±11		**15**	**0-2**
ATH	V	17 00 56 07.8	38.92N	23.63E	5	3.0L		¶97v2859
THE	V	17 00 56 07.9	38.9N	23.7E	7	2.6L		
ISC	**V**	**17 02 03 09**±6.0	**38.9N**±.39	**23.7E**±.28	**5**±24		**5**	**0-2**
THE	V	17 02 03 09.9	38.9N	23.7E	1	2.2L		¶97v2867
ISC	Poorly determined							
ISC	**V**	**17 05 42 04.9**±.93	**39.97N**±.064	**21.59E**±.089	**9**±17		**8**	**1-2**
THE	V	17 05 42 06.3	40.0N	21.6E	8	2.4L		¶97v2887
ISC	**V**	**17 06 20 10.3**±.31	**39.99N**±.033	**21.75E**±.036	**63**±6.7	**3.6b**	**69**	**0-35**
THE	V	17 06 20 08.8	40.0N	21.7E	9	3.3L		¶97v2891
ATH	V	17 06 20 08.8	39.94N	21.79E	5	3.6L		
NEIC	V	17 06 20 11.4	40.08N	21.71E	71			
PDG	V	17 06 20 11.8	40.1N	21.6E	25	3.6L		
EIDC	V	17 06 20 13.2	40.1N	21.6E	69	3.3b,3.7L		
NEIC	Less reliable solution.							
THE	**V**	**17 07 27 48.3**	**40.0N**	**21.6E**	**11**	**1.9L**		¶97v2896
ISC	**V**	**17 10 50 57**±1.5	**40.4N**±.14	**21.8E**±.14	**20**		**5**	**0-1**
THE	V	17 10 50 58.4	40.4N	21.8E	20	1.8L		¶97v2914
ISC	**V**	**17 17 57 56**±12	**38.2N**±.87	**22.0E**±.28	**33**		**8**	**1-3**
								¶97v2967
ISC	**V**	**17 21 53 04.4**±.76	**40.91N**±.063	**21.01E**±.081	**12**±12		**10**	**0-1**
THE	V	17 21 53 05.1	41.0N	21.0E	11	2.2L		¶97v2992
ISC	**V**	**18 17 35 27**±1.0	**40.40N**±.064	**22.7E**±.11	**10**±16		**7**	**0-1**
THE	V	18 17 35 27.9	40.4N	22.7E	4	1.6L		¶97v3123
ISC	**V**	**19 08 43 02.5**±.99	**38.89N**±.043	**23.64E**±.090	**3**±10		**15**	**0-3**
THE	V	19 08 43 04.2	38.9N	23.7E	8	2.7L		¶97v3226
ATH	V	19 08 43 04.8	38.93N	23.69E	5	2.9L		
ISC	**V**	**19 10 01 53**±3.6	**39.0N**±.26	**23.6E**±.19	**7**		**4**	**0-1**
THE	V	19 10 01 54.3	39.0N	23.6E	7			¶97v3239
ISC	Poorly determined							
ISC	**V**	**19 15 04 08.3**±.82	**40.70N**±.062	**23.18E**±.077	**10**		**7**	**0-1**
THE	V	19 15 04 09.0	40.7N	23.2E	10	1.9L		¶97v3271
ISC	**V**	**19 15 53 49.4**±.59	**38.55N**±.038	**21.67E**±.070	**5**		**23**	**0-3**
THE	V	19 15 53 50.1	38.5N	21.7E	0	3.0L		¶97v3274
ATH	V	19 15 53 50.8	38.59N	21.63E	5	3.2L		
ISC	**V**	**19 18 03 33.9**±.92	**38.55N**±.052	**21.7E**±.10	**2**±12		**13**	**0-3**
THE	V	19 18 03 35.2	38.5N	21.7E	3	2.8L		¶97v3289
ATH	V	19 18 03 35.3	38.55N	21.74E	5	3.1D		

THE	**V**	**20 14 16 54.6**	**40.7N**	**23.1E**	**8**	**1.3L**		¶97v3412
ISC	**V**	**20 14 17 00.4**±.84	**40.66N**±.060	**23.16E**±.070	**7**		**8**	**0-1**
THE	V	20 14 17 01.1	40.7N	23.2E	7	2.1L		¶97v3413
ATH	**V**	**20 16 44 44.4**	**38.39N**	**21.95E**	**39**			¶97v3437
ISC	**V**	**20 18 58 41**±5.7	**39.8N**±.36	**21.4E**±.24	**0**		**5**	**1-2**
THE	V	20 18 58 46.3	40.0N	21.5E	0	2.2L		¶97v3446
ISC	**V**	**21 20 15 21**±3.3	**38.9N**±.26	**21.8E**±.10	**10**		**9**	**0-3**
THE	V	21 20 15 18.9	38.7N	21.8E	10	2.5L		¶97v3601
ISC	**V**	**22 09 12 15**±3.7	**39.0N**±.28	**23.6E**±.20	**1**±22		**5**	**0-2**
THE	V	22 09 12 15.6	38.9N	23.6E	4	2.3L		¶97v3745
ISC	Poorly determined							
ISC	**V**	**22 09 33 20.4**±.63	**38.85N**±.041	**21.55E**±.067	**5**		**17**	**0-3**
ATH	V	22 09 33 21.8	38.90N	21.51E	5	3.1D		¶97v3750
THE	V	22 09 33 21.9	38.9N	21.6E	1	2.8L		
ISC	**V**	**23 01 33 14**±1.0	**38.16N**±.071	**22.6E**±.12	**10**		**5**	**1-1**
THE	V	23 01 33 15.4	38.2N	22.6E	10			¶97v3861
ATH	V	23 01 33 16.6	38.07N	22.57E	10	2.8L		
ISC	**V**	**23 03 12 32**±1.0	**38.13N**±.051	**21.43E**±.071	**0**±9.1		**19**	**1-7**
THE	V	23 03 12 34.3	38.1N	21.5E	1	3.1L		¶97v3876
ATH	V	23 03 12 35.0	38.14N	21.46E	5	3.3L		
ATH	**V**	**23 23 51 01.3**	**38.61N**	**22.85E**	**10**	**2.8D**		¶97v4021
ISC	**V**	**24 04 43 15.0**±.92	**40.41N**±.059	**23.46E**±.097	**5**		**6**	**0-1**
THE	V	24 04 43 15.8	40.4N	23.5E	5	2.2L		¶97v4052
ISC	**V**	**24 06 48 19**±1.3	**40.33N**±.092	**23.9E**±.14	**5**		**4**	**0-1**
THE	V	24 06 48 19.4	40.3N	23.9E	5	2.1L		¶97v4068
ISC	Poorly determined							
ISC	**V**	**25 02 16 55.0**±.97	**38.15N**±.039	**21.74E**±.047	**9**±7.8	**3.5b**	**47**	**1-32**
ROM	V	25 02 16 56.4	38.2N	21.8E	10	3.5D		¶97v4202
ATH	V	25 02 16 56.9	38.17N	21.85E	5	3.6L		
THE	V	25 02 16 58.2	38.3N	22.0E	7	3.4L		
EIDC	V	25 02 17 07.0	39.5N	20.6E	0	3.5b		
ISC	**V**	**25 02 26 52.8**±.51	**38.20N**±.041	**21.79E**±.050	**5**		**39**	**1-14**
ATH	V	25 02 26 54.3	38.19N	21.88E	5	3.2L		¶97v4203
THE	V	25 02 26 54.8	38.2N	21.9E	4	3.1L		
THE	**V**	**27 21 21 24.1**	**40.7N**	**23.3E**	**0**	**1.8L**		¶97v4611
ATH	**V**	**28 09 41 21.5**	**38.10N**	**22.05E**	**38**	**2.5D**		¶97v4698
ATH	**V**	**29 17 04 04.8**	**38.13N**	**21.90E**	**15**	**3.0L**		¶97v4903
THE	V	29 17 04 06.5	38.0N	22.1E	1			
ISC	**V**	**30 04 47 06**±1.3	**40.25N**±.067	**21.78E**±.086	**7**±14		**8**	**1-1**
THE	V	30 04 47 07.0	40.2N	21.8E	8	2.0L		¶97v4982
THE	**V**	**30 11 05 45.0**	**39.3N**	**21.8E**	**1**	**1.8L**		¶97v5026
ISC	**V**	**31 06 16 41.1**±.81	**39.42N**±.041	**22.72E**±.051	**5**±9.2		**21**	**0-3**
THE	V	31 06 16 42.1	39.4N	22.7E	2	2.9L		¶97v5157
ATH	V	31 06 16 42.2	39.42N	22.77E	10	3.1D		
ISC	**VI**	**01 06 54 08**±1.1	**40.76N**±.094	**21.6E**±.13	**0**		**5**	**0-2**
THE	VI	01 06 54 05.8	41.0N	21.7E	0	2.2L		¶97vi0037
ISC	**VI**	**01 13 08 20**±1.5	**38.92N**±.092	**20.4E**±.15	**5**		**7**	**1-2**
ATH	VI	01 13 08 22.0	38.91N	20.29E	5	2.8D		¶97vi0088
ISC	**VI**	**01 20 07 37.9**±.99	**38.92N**±.070	**21.75E**±.082	**8**±8.5		**13**	**0-3**
ATH	VI	01 20 07 33.0	39.09N	22.43E	5	2.8D		¶97vi0130
THE	VI	01 20 07 39.0	38.9N	21.8E	6	2.3L		
THE	**VI**	**03 07 26 13.8**	**41.0N**	**22.7E**	**10**	**1.5L**		¶97vi0399
ISC	**VI**	**03 11 23 12**±1.4	**38.5N**±.11	**22.08E**±.088	**4**		**16**	**0-3**
THE	VI	03 11 23 12.3	38.5N	22.1E	4	2.9L		¶97vi0437
ATH	VI	03 11 23 14.1	38.61N	22.21E	5	3.1L		
ISC	**VI**	**04 00 09 11**±1.0	**38.25N**±.087	**21.21E**±.060	**5**		**26**	**1-5**
THE	VI	04 00 09 11.0	38.2N	21.2E	0	2.8L		¶97vi0536
ATH	VI	04 00 09 14.9	38.37N	21.46E	5	3.2L		
ROM	VI	04 00 09 46.8	38.9N	18.0E	10	3.2D		
ISC	**VI**	**04 06 08 39**±1.7	**40.04N**±.083	**21.8E**±.17	**3**±22		**6**	**1-2**
THE	VI	04 06 08 40.5	40.0N	21.8E	2	2.2L		¶97vi0565
ISC	**VI**	**04 09 34 47**±1.4	**38.52N**±.063	**23.09E**±.085	**5**±12		**12**	**1-3**
THE	VI	04 09 34 47.8	38.5N	23.1E	4			¶97vi0594
ATH	VI	04 09 34 49.6	38.51N	23.10E	33	2.8D		
ISC	**VI**	**04 14 24 21**±1.5	**38.63N**±.066	**21.76E**±.097	**11**±10		**15**	**0-3**
ATH	VI	04 14 24 21.8	38.63N	21.89E	5	3.0D		¶97vi0626
THE	VI	04 14 24 22.0	38.6N	21.8E	10	2.7L		
ISC	**VI**	**05 02 32 50.7**±.93	**38.85N**±.055	**20.60E**±.090	**1**		**21**	**1-3**
THE	VI	05 02 32 52.4	38.9N	20.6E	1	2.7L		¶97vi0699
ATH	VI	05 02 32 52.8	38.90N	20.59E	5	3.1D		
ISC	**VI**	**05 08 18 31**±6.9	**38.2N**±.51	**20.5E**±.22	**20**		**13**	**1-3**
THE	VI	05 08 18 36.0	38.5N	20.6E	20	2.9L		¶97vi0733
ATH	VI	05 08 18 36.7	38.80N	20.67E	5	3.0D		
ISC	**VI**	**05 08 19 52**±1.1	**39.55N**±.091	**21.7E**±.15	**10**		**5**	**1-1**
ATH	VI	05 08 19 52.9	39.56N	21.68E	10	2.9D		¶97vi0734
ATH	**VI**	**05 09 29 56.8**	**39.03N**	**21.58E**	**10**	**3.1D**		¶97vi0742
ISC	**VI**	**05 11 50 51**±2.0	**38.9N**±.14	**20.6E**±.12	**5**		**18**	**1-3**
ATH	VI	05 11 50 50.2	38.75N	20.50E	5	3.1D		¶97vi0760
THE	VI	05 11 50 50.6	38.8N	20.5E	3	3.1L		
ISC	**VI**	**05 15 12 57.3**±.89	**40.49N**±.075	**23.3E**±.10	**17**		**6**	**0-1**
THE	VI	05 15 12 57.4	40.5N	23.3E	17	1.4L		¶97vi0793
ISC	**VI**	**06 00 41 51**±2.0	**38.9N**±.17	**20.6E**±.11	**5**		**7**	**1-4**
THE	VI	06 00 41 47.6	38.7N	20.3E	5			¶97vi0860
ISC	**VI**	**06 03 44 42**±2.8	**38.8N**±.18	**20.6E**±.15	**5**		**15**	**1-3**
THE	VI	06 03 44 42.7	38.8N	20.6E	0	2.7L		¶97vi0877
ATH	VI	06 03 44 42.8	38.76N	20.60E	5	3.1D		
ISC	**VI**	**06 04 59 48**±2.3	**38.9N**±.15	**20.7E**±.13	**3**		**14**	**1-3**
THE	VI	06 04 59 46.1	38.7N	20.5E	3	2.9L		¶97vi0887
ATH	VI	06 04 59 49.6	38.89N	20.59E	5	3.0D		
ISC	**VI**	**06 16 28 56**±1.2	**40.87N**±.089	**22.78E**±.099	**10**		**5**	**0-1**
THE	VI	06 16 28 56.1	40.9N	22.8E	10	1.7L		¶97vi0957
ISC	**VI**	**06 20 24 47**±7.0	**38.7N**±.46	**20.5E**±.39	**5**		**9**	**1-3**
THE	VI	06 20 24 43.6	38.5N	20.3E	5			¶97vi0990
ISC	**VI**	**08 09 29 58**±1.2	**40.32N**±.067	**21.9E**±.11	**7**		**7**	**0-1**
THE	VI	08 09 29 59.1	40.3N	21.9E	7	2.0L		¶97vi1212
ISC	**VI**	**09 21 56 34**±4.2	**40.6N**±.38	**22.3E**±.16	**33**		**7**	**1-2**
								¶97vi1445
ISC	**VI**	**10 13 21 48**±1.2	**40.8N**±.16	**21.7E**±.12	**17**		**4**	**0-1**
THE	VI	10 13 21 47.7	40.8N	21.7E	17	1.9L		¶97vi1527
ISC	Poorly determined							
ISC	**VI**	**11 15 36 07**±1.3	**40.4N**±.10	**23.5E**±.18	**10**		**4**	**0-1**
THE	VI	11 15 36 07.4	40.4N	23.6E	10			¶97vi1711
ISC	Poorly determined							
ISC	**VI**	**13 04 19 15**±1.2	**40.84N**±.090	**23.1E**±.11	**2**		**4**	**0-1**
THE	VI	13 04 19 15.6	40.8N	23.1E	2	2.2L		¶97vi1931
ISC	Poorly determined							
ISC	**VI**	**13 05 51 14**±1.4	**40.3N**±.10	**21.9E**±.14	**6**		**4**	**0-1**
THE	VI	13 05 51 14.5	40.3N	21.9E	6	1.7L		¶97vi1937
ISC	Poorly determined							
ISC	**VI**	**13 05 55 26**±3.3	**38.9N**±.24	**23.5E**±.15	**3**		**4**	**0-1**
THE	VI	13 05 55 26.6	38.9N	23.5E	3	2.1L		¶97vi1938
ISC	Poorly determined							
ISC	**VI**	**13 17 01 16.8**±.79	**38.51N**±.057	**22.43E**±.085	**1**		**14**	**1-4**
THE	VI	13 17 01 17.5	38.5N	22.4E	1	2.7L		¶97vi2016
ATH	VI	13 17 01 18.1	38.49N	22.36E	5	3.1L		
ISC	**VI**	**13 20 44 11.6**±.65	**40.52N**±.041	**23.19E**±.061	**4**±9.8		**16**	**0-2**
THE	VI	13 20 44 12.6	40.5N	23.2E	9	2.4L		¶97vi2036
ISC	**VI**	**14 23 04 20**±1.7	**38.56N**±.056	**21.95E**±.075	**12**±14		**28**	**0-8**
THE	VI	14 23 04 17.9	38.5N	21.7E	0	2.9L		¶97vi2189
ATH	VI	14 23 04 19.4	38.54N	21.82E	5	3.0L		
ISC	**VI**	**15 02 23 48.6**±.66	**38.07N**±.048	**21.92E**±.084	**5**		**23**	**1-6**
ATH	VI	15 02 23 49.2	38.09N	21.77E	5	3.1L		¶97vi2215
THE	VI	15 02 23 51.8	38.2N	22.1E	4	2.9L		
ISC	**VI**	**15 06 52 12.3**±.67	**40.71N**±.046	**23.39E**±.070	**8**		**11**	**0-2**
THE	VI	15 06 52 13.0	40.7N	23.4E	8	2.3L		¶97vi2252
ISC	**VI**	**15 21 19 24**±4.0	**38.7N**±.27	**20.3E**±.26	**43**		**9**	**1-3**
ATH	VI	15 21 19 21.2	38.44N	20.31E	43	3.0D		¶97vi2358
THE	VI	15 21 19 26.6	39.1N	20.5E	15	2.5L		
ISC	**VI**	**16 03 31 03.7**±.83	**38.12N**±.050	**22.0E**±.12	**1**		**14**	**1-8**
THE	VI	16 03 31 03.8	38.1N	21.9E	1	2.9L		¶97vi2399
ATH	VI	16 03 31 04.8	38.11N	21.81E	5	3.1L		
ISC	**VI**	**16 07 20 21**±1.0	**40.15N**±.060	**21.58E**±.075	**5**±12		**11**	**1-2**
THE	VI	16 07 20 22.0	40.1N	21.6E	1	2.3L		¶97vi2417
ISC	**VI**	**16 08 48 34.0**±.91	**38.05N**±.063	**22.0E**±.10	**10**		**13**	**1-3**
ATH	VI	16 08 48 33.6	38.14N	22.04E	10	3.0L		¶97vi2430
THE	VI	16 08 48 37.2	38.2N	22.0E	1	2.9L		
ISC	**VI**	**16 19 03 32**±1.1	**41.00N**±.082	**21.4E**±.10	**2**		**5**	**0-1**
THE	VI	16 19 03 34.6	40.9N	21.4E	2	1.9L		¶97vi2502
ISC	**VI**	**16 20 20 09.0**±.79	**40.92N**±.057	**21.37E**±.080	**2**		**8**	**0-2**
THE	VI	16 20 20 10.3	40.9N	21.4E	2	2.1L		¶97vi2510
ISC	**VI**	**17 11 04 40**±7.0	**38.5N**±.42	**22.4E**±.35	**2**		**5**	**1-3**
THE	VI	17 11 04 39.3	38.3N	22.3E	2	2.5L		¶97vi2602
ISC	**VI**	**17 12 27 30**±1.0	**40.54N**±.097	**23.6E**±.20	**18**		**5**	**0-1**
THE	VI	17 12 27 29.9	40.6N	23.6E	18			¶97vi2625
ISC	**VI**	**18 09 14 45**±1.2	**40.1N**±.11	**23.3E**±.11	**20**		**5**	**0-1**
THE	VI	18 09 14 45.3	40.1N	23.3E	20	2.1L		¶97vi2767
ISC	**VI**	**19 15 01 27.0**±.30	**40.08N**±.029	**21.60E**±.029	**5**	**3.7b**	**63**	**0-35**
EIDC	VI	19 15 01 25.3	40.2N	22.0E	0	3.7b,3.8L		¶97vi2930
TIR	VI	19 15 01 27.2	40.17N	21.56E	3	3.7L		
PDG	VI	19 15 01 27.8	40.0N	21.9E	40	3.8L		
ATH	VI	19 15 01 28.0	40.10N	21.63E	5	3.7L		
THE	VI	19 15 01 28.0	40.1N	21.6E	2	3.4L		
NEIC	VI	19 15 01 30.5	40.20N	21.40E	58	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**20 02 57 15**±1.3	**38.08N**±.051	**22.07E**±.089	**1**±12	**3.5b**	**30**	**1-24**
EIDC	VI	20 02 56 42.2	34.8N	23.0E	0	4.0b		¶97vi2995
NEIC	VI	20 02 56 45.1	34.77N	22.75E	33			
ATH	VI	20 02 57 16.2	38.11N	21.85E	5	3.2L		
THE	VI	20 02 57 17.4	38.2N	22.0E	2	3.1L		
NEIC	Single network solution.							
ISC	**VI**	**20 16 27 56**±1.4	**39.55N**±.093	**22.6E**±.17	**3**		**4**	**1-1**
THE	VI	20 16 27 56.7	39.5N	22.5E	3	1.6L		¶97vi3083
ISC	Poorly determined							
ISC	**VI**	**21 07 58 22.4**±.46	**40.10N**±.043	**21.65E**±.045	**5**		**21**	**0-2**
ATH	VI	21 07 58 22.8	40.07N	21.81E	5	3.1D		¶97vi3180
THE	VI	21 07 58 22.8	40.1N	21.6E	1	3.1L		
ISC	**VI**	**21 07 59 56**±1.0	**39.99N**±.064	**21.3E**±.13	**10**		**6**	**0-2**
ATH	VI	21 07 59 55.4	40.13N	21.12E	10	2.9D		¶97vi3181
THE	VI	21 07 59 56.5	40.0N	21.2E	15			
ISC	**VI**	**21 08 03 44.3**±.50	**40.15N**±.043	**21.64E**±.050	**8**		**19**	**0-3**
THE	VI	21 08 03 44.7	40.1N	21.6E	8	2.7L		¶97vi3182
ATH	VI	21 08 03 44.8	40.08N	21.85E	5	3.1D		
ISC	**VI**	**21 11 47 41**±2.0	**40.2N**±.14	**21.6E**±.14	**8**±31		**6**	**1-2**
THE	VI	21 11 47 42.4	40.1N	21.6E	4	2.2L		¶97vi3210
ISC	**VI**	**22 00 22 30**±1.1	**39.98N**±.073	**22.4E**±.16	**12**		**5**	**0-1**
THE	VI	22 00 22 31.2	40.0N	22.5E	12	2.0L		¶97vi3294
ISC	**VI**	**22 15 39 52**±6.3	**38.9N**±.39	**23.4E**±.31	**1**		**8**	**1-2**
THE	VI	22 15 39 52.2	38.9N	23.4E	1	2.7L		¶97vi3406
ISC	**VI**	**22 16 08 37**±9.8	**38.7N**±.59	**23.6E**±.48	**20**		**4**	**1-2**
THE	VI	22 16 08 40.2	38.8N	23.4E	20			¶97vi3410
ISC	Poorly determined							
ISC	**VI**	**23 00 39 50.0**±.84	**40.53N**±.045	**21.41E**±.065	**7**±8.6		**16**	**0-2**
ATH	VI	23 00 39 49.8	40.69N	21.55E	16	2.8D		¶97vi3465
THE	VI	23 00 39 51.2	40.5N	21.4E	9	2.3L		
ISC	**VI**	**23 03 35 27.2**±.86	**40.53N**±.057	**23.53E**±.090	**5**		**7**	**0-1**
THE	VI	23 03 35 27.8	40.5N	23.6E	5	1.8L		¶97vi3479
ISC	**VI**	**24 00 17 51.5**±.82	**40.15N**±.048	**21.68E**±.065	**7**±8.5		**15**	**0-2**
ATH	VI	24 00 17 51.1	40.24N	21.86E	28	2.9D		¶97vi3610
THE	VI	24 00 17 52.4	40.2N	21.6E	10	2.5L		
ISC	**VI**	**24 04 33 11.1**±.70	**40.68N**±.049	**21.77E**±.065	**5**		**9**	**0-1**
ATH	VI	24 04 33 11.3	40.72N	21.81E	5	2.6D		¶97vi3636
THE	VI	24 04 33 12.1	40.7N	21.8E	10	2.2L		
ISC	**VI**	**24 13 48 28.9**±.68	**40.74N**±.053	**22.76E**±.061	**5**		**10**	**0-2**
NEIC	VI	24 13 48 28.9	40.73N	22.76E	5			¶97vi3717
THE	VI	24 13 48 29.6	40.7N	22.8E	5	2.0L		
NEIC	Single network solution.							
ISC	**VI**	**25 11 20 15**±1.2	**38.30N**±.081	**21.7E**±.14	**5**		**4**	**1-1**
THE	VI	25 11 20 16.4	38.3N	21.7E	5			¶97vi3921
ATH	VI	25 11 20 16.8	38.34N	21.60E	10	2.6D		
ISC	Poorly determined							
ISC	**VI**	**26 06 31 01**±1.1	**40.95N**±.068	**23.5E**±.10	**3**		**6**	**0-1**
THE	VI	26 06 31 01.0	40.9N	23.5E	3			¶97vi4094
ISC	**VI**	**26 20 13 28**±4.2	**38.7N**±.10	**21.0E**±.25	**9**±33		**5**	**1-2**
ATH	VI	26 20 13 29.2	38.71N	21.11E	10	2.7D		¶97vi4196
THE	VI	26 20 13 29.9	38.8N	21.1E	16			
ISC	Poorly determined							
ISC	**VI**	**27 13 37 24**±10	**38.4N**±.53	**23.7E**±.26	**3**±36		**5**	**1-2**
THE	VI	27 13 37 24.4	38.4N	23.7E	2			¶97vi4304
ISC	Poorly determined							
ISC	**VI**	**28 00 37 53**±6.3	**38.8N**±.42	**23.5E**±.23	**14**		**5**	**0-2**
THE	VI	28 00 37 53.5	38.8N	23.6E	14			¶97vi4386
ISC	**VI**	**29 02 49 44**±1.5	**38.07N**±.077	**23.01E**±.091	**2**±15		**10**	**1-3**
THE	VI	29 02 49 45.5	38.1N	23.0E	5	2.7L		¶97vi4558
ATH	VI	29 02 49 46.3	38.00N	23.07E	10	2.8L		
ISC	**VI**	**29 04 56 27**±1.5	**40.07N**±.076	**21.8E**±.15	**6**±18		**7**	**1-1**
THE	VI	29 04 56 28.9	40.1N	21.9E	8	1.8L		¶97vi4571
ISC	**VI**	**29 13 08 10**±2.8	**38.9N**±.20	**23.4E**±.13	**8**		**5**	**0-1**
THE	VI	29 13 08 10.1	38.8N	23.5E	8			¶97vi4630
ISC	**VI**	**29 13 39 49**±3.0	**38.9N**±.20	**23.7E**±.13	**1**		**8**	**0-2**
THE	VI	29 13 39 50.7	38.9N	23.7E	1	2.4L		¶97vi4631

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(365) Ægean Sea.						
ISC	**I**	**01 21 48 34**±1.7	**39.7N**±.12	**25.95E**±.079	**2**±16		**8**	**0-2**
ISK	I	01 21 48 34.8	39.71N	25.98E	7	3.0D		¶97i0124
ISC	**I**	**05 06 44 34.7**±.43	**38.68N**±.039	**25.98E**±.048	**13**		**30**	**1-5**
ISK	I	05 06 44 33.7	38.74N	25.90E	13	3.4D		¶97i0629
ATH	I	05 06 44 35.8	38.61N	26.03E	5	3.3L		
THE	I	05 06 44 36.8	38.7N	26.1E	24	3.2L		
ISC	**I**	**05 11 23 17**±1.2	**40.51N**±.079	**24.1E**±.11	**6**		**8**	**0-1**
THE	I	05 11 23 17.5	40.5N	24.1E	6	2.4L		¶97i0659
ISC	**I**	**05 14 49 45**±1.0	**39.01N**±.040	**23.36E**±.056	**3**±9.6		**24**	**0-3**
THE	I	05 14 49 45.8	39.0N	23.4E	0	3.1L		¶97i0682
ATH	I	05 14 49 46.5	38.92N	23.29E	5	3.5L		
ISC	**I**	**06 04 57 35.1**±.78	**40.55N**±.041	**24.11E**±.056	**0**±8.3		**21**	**0-2**
THE	I	06 04 57 36.8	40.5N	24.1E	7	2.4L		¶97i0751
ATH	I	06 04 57 37.5	40.67N	24.01E	5			
NEIC	I	06 04 57 39.5	40.72N	23.90E	10			
NEIC		Poor solution.						
ISC	**I**	**07 07 00 22.9**±.73	**38.99N**±.051	**26.73E**±.095	**10**		**10**	**0-2**
ISK	I	07 07 00 22.2	39.05N	26.81E	10	3.0D		¶97i0892
ATH	I	07 07 00 25.3	38.96N	26.73E	5	3.6D		
ISK	**I**	**09 07 56 59.5**	**40.26N**	**25.88E**	**5**	**3.5D**		¶97i1189
ISC	**I**	**09 14 16 50.5**±.38	**38.22N**±.033	**24.05E**±.042	**6**	**3.9b**	**52**	**0-74**
EIDC	I	09 14 16 46.9	37.7N	24.6E	0	3.9b,3.6L		¶97i1233
ATH	I	09 14 16 51.5	38.19N	24.04E	6	3.4L		
NEIC	I	09 14 16 53.8	38.29N	24.14E	33			
THE	I	09 14 16 56.2	38.5N	24.0E	22	3.6L		
NEIC		Less reliable solution.						
NEIC		Felt at Athens, Greece.						
ISC	**I**	**11 05 59 45**±1.9	**38.18N**±.055	**24.0E**±.12	**9**±18		**10**	**0-3**
ATH	I	11 05 59 37.3	38.80N	23.96E	10	3.3L		¶97i1473
THE	I	11 05 59 46.3	38.2N	24.0E	3	2.8L		
ISK	**I**	**13 06 30 15.4**	**38.99N**	**26.75E**	**10**	**3.1D**		¶97i1789
ISK	**I**	**13 09 29 10.2**	**38.96N**	**26.85E**	**10**	**3.1D**		¶97i1814
ISC	**I**	**13 12 53 10.3**±.96	**40.26N**±.063	**24.17E**±.073	**0**		**17**	**0-2**
THE	I	13 12 53 13.8	40.3N	23.9E	0	2.3L		¶97i1841
ISK	**I**	**13 18 46 39.0**	**38.73N**	**26.55E**	**10**	**2.8D**		¶97i1884
ISC	**I**	**16 23 34 56**±1.8	**40.43N**±.080	**25.84E**±.074	**11**±18		**11**	**0-3**
ISK	I	16 23 34 54.9	40.35N	25.90E	10	3.0D		¶97i2376
ATH	I	16 23 34 56.3	40.51N	26.10E	7	2.9D		
THE	I	16 23 34 56.5	40.4N	25.8E	8	3.2L		
ISK	**I**	**18 15 12 30.5**	**38.81N**	**26.84E**	**10**	**2.9D**		¶97i2680
ISK	**I**	**19 01 07 07.4**	**38.78N**	**26.80E**	**10**	**2.9D**		¶97i2757
ISC	**I**	**19 05 01 37**±3.5	**38.7N**±.19	**26.6E**±.32	**10**		**5**	**1-2**
ISK	I	19 05 01 38.2	38.80N	26.78E	10	3.0D		¶97i2785
ISK	**I**	**19 19 53 54.4**	**38.73N**	**26.64E**	**10**	**2.7D**		¶97i2879
ISC	**I**	**19 22 07 59**±2.8	**38.7N**±.15	**26.7E**±.27	**8**		**6**	**1-2**
ISK	I	19 22 07 59.3	38.77N	26.74E	8	3.1D		¶97i2898
ISC	**I**	**20 02 09 55**±1.2	**39.31N**±.084	**25.5E**±.11	**10**		**12**	**1-3**
ISK	I	20 02 09 55.2	39.18N	25.71E	10	3.1D		¶97i2925
ATH	I	20 02 09 55.5	39.67N	26.54E	15			
ISC	**I**	**20 04 26 41**±2.7	**40.3N**±.15	**24.0E**±.11	**1**±15		**11**	**0-2**
ATH	I	20 04 26 44.0	40.60N	23.88E	10			¶97i2940
ISK	**I**	**20 13 30 29.4**	**38.70N**	**26.57E**	**10**	**3.0D**		¶97i3007
ISC	**I**	**20 16 24 02.8**±.74	**39.09N**±.055	**25.82E**±.084	**10**		**13**	**0-3**
ISK	I	20 16 23 59.9	39.07N	25.74E	10	3.2D		¶97i3038
THE	I	20 16 24 03.7	39.1N	25.8E	1	2.7L		
ATH	I	20 16 24 04.2	39.11N	25.88E	18	3.4D		
ISC	**I**	**22 16 57 14.8**±.95	**38.86N**±.038	**26.76E**±.042	**27**±10	**3.5b**	**63**	**1-74**
ISK	I	22 16 57 10.5	38.75N	26.56E	9	3.9D		¶97i3352
ATH	I	22 16 57 13.3	39.01N	27.03E	5	3.9L		
NEIC	I	22 16 57 14.3	38.63N	26.86E	33	3.2b		
EIDC	I	22 16 57 24.4	38.6N	26.8E	113	3.2b,4.2L		
NEIC		Less reliable solution.						
ISK	**I**	**22 17 09 46.5**	**38.83N**	**26.81E**	**10**	**2.8D**		¶97i3355
ISC	**I**	**22 18 12 03.3**±.56	**38.77N**±.055	**26.72E**±.058	**13**		**36**	**1-7**
ISK	I	22 18 12 02.0	38.76N	26.64E	13	3.7D		¶97i3362
ATH	I	22 18 12 06.4	39.12N	26.90E	5	3.7L		
ISC	**I**	**22 18 15 52**±6.0	**38.6N**±.34	**26.4E**±.46	**5**		**5**	**1-2**
ISK	I	22 18 15 54.5	38.73N	26.67E	5	3.1D		¶97i3364
ISC	**I**	**23 20 18 54**±4.4	**38.6N**±.28	**26.4E**±.33	**8**		**6**	**1-2**
ISK	I	23 20 18 54.5	38.63N	26.48E	8	3.1D		¶97i3542
ISC	**I**	**24 04 43 01.0**±.74	**39.57N**±.083	**25.29E**±.053	**40**		**23**	**1-3**
ATH	I	24 04 42 57.2	39.32N	24.92E	40	3.2D		¶97i3596
THE	I	24 04 42 59.6	39.6N	25.2E	3	3.0L		
ISK	I	24 04 42 59.8	39.28N	25.72E	10	3.2D		
ISC	**I**	**24 11 46 26**±9.5	**38.5N**±.56	**26.3E**±.65	**10**		**4**	**1-2**
ISK	I	24 11 46 28.4	38.69N	26.59E	10	3.0D		¶97i3642
ISC		Poorly determined						
ISC	**I**	**25 18 27 55**±2.8	**38.9N**±.18	**24.3E**±.13	**7**		**13**	**0-4**
THE	I	25 18 27 55.5	38.9N	24.3E	7	2.7L		¶97i3841
ISC	**I**	**27 12 07 52.1**±.83	**39.66N**±.054	**23.37E**±.079	**5**		**11**	**0-2**
THE	I	27 12 07 53.1	39.7N	23.4E	5	3.1L		¶97i4083
ISK	**I**	**27 12 51 14.0**	**38.83N**	**26.85E**	**10**	**2.8D**		¶97i4086
ISC	**I**	**27 17 50 58.4**±.86	**39.64N**±.060	**23.41E**±.086	**10**±11		**12**	**0-2**
THE	I	27 17 50 59.6	39.6N	23.4E	8	2.4L		¶97i4109
ISC	**I**	**28 01 25 45**±1.3	**38.72N**±.062	**26.6E**±.11	**10**±12		**12**	**1-4**
ATH	I	28 01 25 43.8	38.83N	26.98E	5	3.6D		¶97i4154
ISK	I	28 01 25 44.4	38.68N	26.60E	10	3.4D		
ISK	**I**	**28 01 27 43.9**	**38.76N**	**26.67E**	**5**	**2.8D**		¶97i4155
ISC	**I**	**28 02 01 46.7**±.66	**39.64N**±.037	**23.43E**±.047	**3**±6.4		**28**	**0-3**
ATH	I	28 02 01 48.0	39.60N	23.43E	5	3.1L		¶97i4158
THE	I	28 02 01 48.4	39.7N	23.4E	6	3.4L		
ISC	**I**	**28 07 07 18.3**±.81	**40.50N**±.036	**24.03E**±.052	**1**±7.7		**27**	**0-3**
ATH	I	28 07 07 19.4	40.80N	23.84E	5	3.3D		¶97i4175
THE	I	28 07 07 19.7	40.5N	24.0E	10	3.3L		
ISC	**I**	**28 07 17 57**±3.0	**38.8N**±.17	**26.7E**±.35	**10**		**4**	**1-2**
ISK	I	28 07 17 57.5	38.87N	26.83E	10	2.8D		¶97i4176
ISC		Poorly determined						
ISC	**II**	**01 05 31 47**±1.2	**38.74N**±.054	**26.67E**±.096	**5**±11		**12**	**1-3**
ISK	II	01 05 31 47.5	38.78N	26.78E	10	3.2D		¶97ii0027
THE	II	01 05 31 49.2	38.7N	26.5E	12			
ATH	II	01 05 31 49.9	38.73N	26.30E	18	3.6D		
ISC	**II**	**01 16 19 41**±2.0	**38.82N**±.097	**26.7E**±.26	**10**		**6**	**1-2**
ISK	II	01 16 19 39.8	38.83N	26.76E	10	3.1D		¶97ii0101
ISC	**II**	**01 22 38 35**±1.3	**38.75N**±.041	**26.70E**±.058	**5**±11		**23**	**1-4**
THE	II	01 22 38 29.5	38.5N	27.2E	5	3.5L		¶97ii0133
ISK	II	01 22 38 31.2	38.64N	26.31E	7	3.6D		
NEIC	II	01 22 38 32.0	38.63N	26.33E	10			
ATH	II	01 22 38 33.3	38.89N	27.18E	5	3.7L		
NEIC		Less reliable solution.						
ISC	**II**	**01 23 48 26.3**±.60	**38.18N**±.030	**24.01E**±.031	**20**±6.6	**3.8b**	**93**	**0-74**
EIDC	II	01 23 48 17.1	37.5N	24.4E	0	3.6L,4.0b		¶97ii0145
ISK	II	01 23 48 17.6	38.17N	23.28E	11	3.9D		
ATH	II	01 23 48 25.9	38.21N	24.05E	7	3.7L		
THE	II	01 23 48 26.6	38.2N	24.0E	10	3.6L		
NEIC	II	01 23 48 26.6	38.07N	23.99E	33	3.9b		
ISC	**II**	**02 23 11 04**±1.3	**38.68N**±.052	**26.4E**±.10	**7**±10		**14**	**1-3**
ISK	II	02 23 10 57.1	38.58N	25.88E	10	3.3D		¶97ii0294
NEIC	II	02 23 10 59.3	38.58N	25.92E	10			
ATH	II	02 23 11 05.8	38.71N	26.28E	23	3.6D		
NEIC		Poor solution.						
ISC	**II**	**04 02 41 11.8**±.51	**38.61N**±.022	**24.13E**±.020	**19**±4.4	**4.6b,3.9s**	**239**	**1-127**
ISK	II	04 02 41 08.6	38.79N	23.98E	10	4.2D		¶97ii0448
ATH	II	04 02 41 11.9	38.65N	24.16E	7	4.2L		
THE	II	04 02 41 12.5	38.6N	24.1E	12	4.2L		
NEIC	II	04 02 41 13.0	38.59N	24.14E	33	4.4b,3.7s		
MOS	II	04 02 41 13.5	38.6N	24.1E	33	5.1b		
BJI	II	04 02 41 14.1	38.35N	24.52E	36	5.0b,4.9s		
EIDC	II	04 02 41 14.1	38.6N	24.1E	28	4.4b,4.0L		
PDG	II	04 02 41 33.0	39.5N	22.5E	8	4.0L		
ISC	**II**	**04 02 47 27**±1.4	**38.67N**±.058	**24.0E**±.11	**6**±14		**10**	**1-3**
ATH	II	04 02 47 27.8	38.70N	23.95E	5	3.2L		¶97ii0450
THE	II	04 02 47 29.0	38.7N	24.0E	10	3.1L		
ISC	**II**	**04 02 58 40**±1.5	**38.62N**±.061	**24.2E**±.11	**9**±12		**13**	**1-3**
THE	II	04 02 58 40.6	38.7N	24.2E	0	3.0L		¶97ii0453
ATH	II	04 02 58 41.7	38.65N	24.20E	14	3.5L		
ISC	**II**	**04 03 34 10.9**±.85	**38.75N**±.055	**24.03E**±.088	**5**		**12**	**0-3**
ATH	II	04 03 34 12.2	38.68N	24.07E	5	3.3L		¶97ii0457
THE	II	04 03 34 14.2	38.8N	24.0E	17	2.8L		
ISC	**II**	**04 03 41 24**±1.6	**39.9N**±.10	**24.0E**±.21	**33**		**6**	**0-2**
								¶97ii0459
ISC	**II**	**04 12 56 27**±1.0	**38.75N**±.083	**26.7E**±.16	**25**±18		**9**	**1-3**
ATH	II	04 12 56 26.8	38.78N	26.71E	10	3.5D		¶97ii0524
ISK	II	04 12 56 28.9	38.88N	27.25E	10	3.2D		
ISC	**II**	**04 14 24 15**±1.2	**38.65N**±.048	**24.08E**±.087	**11**±10		**19**	**1-4**
ATH	II	04 14 24 15.9	38.65N	24.00E	6	3.3L		¶97ii0543
THE	II	04 14 24 16.6	38.7N	24.0E	14	2.8L		
ISC	**II**	**05 01 39 24.0**±.59	**38.61N**±.045	**24.22E**±.071	**8**		**17**	**1-7**
ATH	II	05 01 39 24.8	38.64N	24.08E	8	3.7L		¶97ii0623
THE	II	05 01 39 25.0	38.6N	24.1E	4	3.0L		
ISC	**II**	**05 13 50 07.1**±.62	**38.70N**±.043	**24.22E**±.095	**5**		**17**	**1-3**
ATH	II	05 13 50 09.0	38.69N	23.91E	5	3.3L		¶97ii0696
THE	II	05 13 50 16.9	39.1N	24.0E	16	2.8L		
ISC	**II**	**05 21 17 29.6**±.87	**38.60N**±.052	**24.2E**±.13	**10**		**12**	**1-3**
ATH	II	05 21 17 24.9	38.07N	22.66E	96	3.4L		¶97ii0750
THE	II	05 21 17 31.1	38.6N	24.2E	10	2.7L		
ISC	**II**	**07 07 28 05**±1.0	**40.23N**±.086	**25.7E**±.12	**7**		**16**	**1-3**
ISK	II	07 07 28 08.9	40.03N	26.07E	7	3.2D		¶97ii0959
NEIC	II	07 07 28 10.2	40.00N	26.11E	10			
NEIC		Less reliable solution.						
ISC	**II**	**07 21 45 51**±1.6	**39.48N**±.050	**25.90E**±.063	**9**±13		**23**	**0-3**
ATH	II	07 21 45 51.5	39.61N	26.55E	5	3.4D		¶97ii1047
THE	II	07 21 45 51.5	39.6N	26.6E	5			
ISC	**II**	**09 07 56 59**±1.0	**40.29N**±.035	**25.74E**±.040	**5**±8.9		**39**	**1-6**
ISK	II	09 07 56 59.5	40.26N	25.88E	5	3.5D		¶97ii1280
NEIC	II	09 07 56 59.9	40.36N	25.82E	10			
THE	II	09 07 57 00.6	40.3N	25.7E	15	3.4L		
ATH	II	09 07 57 00.9	40.37N	25.87E	65			
ISC	**II**	**09 12 45 05.6**±.94	**39.35N**±.069	**23.13E**±.067	**10**±10		**17**	**1-3**
ATH	II	09 12 45 03.6	39.16N	23.50E	5	3.0D		¶97ii1308
THE	II	09 12 45 05.8	39.3N	23.1E	10	2.8L		
ISC	**II**	**10 15 58 19**±1.2	**38.61N**±.036	**24.23E**±.056	**5**±11		**29**	**1-4**
THE	II	10 15 58 20.9	38.7N	24.2E	11	3.0L		¶97ii1480
ATH	II	10 15 58 21.9	38.60N	24.29E	17	3.7L		
ATH	**II**	**10 23 31 28.7**	**38.63N**	**24.21E**	**10**	**2.8L**		¶97ii1554
ISC	**II**	**11 04 07 36**±1.4	**38.66N**±.047	**24.1E**±.10	**4**±13		**17**	**1-4**
THE	II	11 04 07 37.0	38.6N	23.9E	6	2.7L		¶97ii1582
ATH	II	11 04 07 37.8	38.65N	23.78E	22	3.3L		
ISC	**II**	**12 16 51 12.9**±.89	**39.59N**±.060	**23.51E**±.093	**11**±11		**11**	**0-2**
THE	II	12 16 51 14.1	39.6N	23.6E	10	2.3L		¶97ii1792
ISC	**II**	**12 21 06 24**±1.6	**39.5N**±.13	**25.3E**±.10	**8**±17		**7**	**0-2**
THE	II	12 21 06 27.1	39.6N	25.2E	11			¶97ii1819
ISC	**II**	**13 06 30 15**±1.7	**38.95N**±.081	**26.7E**±.21	**10**		**7**	**1-2**
NEIC	II	13 06 30 14.6	38.97N	26.65E	10			¶97ii1882
ISK	II	13 06 30 15.4	38.99N	26.75E	10	3.1D		
NEIC		Poor solution.						
ISK	**II**	**13 09 29 10.2**	**38.96N**	**26.85E**	**10**	**3.1D**		¶97ii1895
ISC	**II**	**13 15 53 15.4**±.97	**39.92N**±.062	**24.02E**±.096	**4**±18		**7**	**0-2**
THE	II	13 15 53 16.4	39.9N	24.0E	4	2.2L		¶97ii1943
ISC	**II**	**13 18 46 34**±16	**38.4N**±.94	**26.1E**±.98	**10**		**4**	**1-3**
ISK	II	13 18 46 39.0	38.73N	26.55E	10	2.8D		¶97ii1963
ISC		Poorly determined						
ISC	**II**	**16 19 48 24**±1.0	**38.20N**±.075	**26.7E**±.12	**10**		**6**	**0-2**
ATH	II	16 19 48 25.9	38.19N	26.55E	10	3.6D		¶97ii2413
ISC	**II**	**17 01 08 49**±1.3	**39.10N**±.066	**25.10E**±.052	**4**±12		**18**	**1-3**
ATH	II	17 01 08 49.1	39.15N	25.00E	5	3.2L		¶97ii2443
THE	II	17 01 08 50.2	39.0N	25.2E	11	3.0L		
ISC	**II**	**17 19 05 34**±1.3	**38.22N**±.094	**26.8E**±.20	**28**±17		**6**	**0-3**
ATH	II	17 19 05 34.7	38.12N	26.60E	41	3.4D		¶97ii2531
ISC	**II**	**17 23 44 09**±1.2	**39.02N**±.054	**23.55E**±.077	**3**±11		**14**	**0-3**
ATH	II	17 23 44 06.8	39.03N	23.17E	10	3.2L		¶97ii2575
THE	II	17 23 44 08.9	38.9N	23.7E	11	2.9L		
ISC	**II**	**21 14 20 31**±2.1	**39.1N**±.19	**23.5E**±.13	**11**±24		**5**	**0-1**
THE	II	21 14 20 32.1	39.1N	23.6E	15	2.2L		¶97ii3082
ISC		Poorly determined						
ISC	**II**	**22 02 07 33.7**±.49	**40.04N**±.053	**25.75E**±.046	**0**		**18**	**0-3**
THE	II	22 02 07 34.8	40.0N	25.8E	0	2.7L		¶97ii3153
ISK	II	22 02 07 40.6	39.75N	26.53E	10	3.1D		
ISC	**II**	**22 19 26 03**±1.6	**38.68N**±.053	**26.36E**±.051	**12**±14		**41**	**1-7**
ISK	II	22 19 26 03.7	38.77N	26.44E	15	3.6D		¶97ii3239
NEIC	II	22 19 26 03.9	38.76N	26.54E	10			
THE	II	22 19 26 06.8	38.9N	26.1E	7			
ATH	II	22 19 26 07.8	38.93N	26.30E	16	3.7L		
NEIC		Less reliable solution.						
ISC	**II**	**23 02 01 37**±3.1	**38.6N**±.19	**26.5E**±.26	**8**		**8**	**1-2**
ISK	II	23 02 01 35.7	38.62N	26.44E	8	3.1D		¶97ii3278

ISC	**II**	**23 02 30 55**±10	**38.4N**±.60	**26.3E**±.61	**10**		**6**	**1-2**	
ISK	II	23 02 30 57.2	38.54N	26.44E	10	3.0D			**¶97ii3280**
NEIC	II	23 02 31 01.4	38.66N	26.82E	10				
NEIC	Poor solution.								
ISC	**II**	**23 07 55 19**±1.7	**38.5N**±.16	**24.6E**±.10	**5**		**9**	**1-4**	
THE	II	23 07 55 26.0	38.6N	24.1E	5	2.4L			**¶97ii3306**
ISC	**II**	**24 06 08 38.4**±.83	**40.34N**±.036	**25.76E**±.049	**9**±7.5		**31**	**1-6**	
NEIC	II	24 06 08 37.1	40.31N	25.62E	10				**¶97ii3432**
ISK	II	24 06 08 38.5	40.28N	25.78E	10	3.5D			
THE	II	24 06 08 39.5	40.3N	25.8E	13	3.3L			
ATH	II	24 06 08 39.8	40.44N	25.90E	66				
NEIC	Poor solution.								
ISC	**II**	**24 07 28 16.4**±.77	**39.99N**±.053	**23.36E**±.072	**9**±9.9		**11**	**0-2**	
THE	II	24 07 28 17.3	40.0N	23.4E	5	1.8L			**¶97ii3438**
THE	**II**	**24 07 52 05.7**	**40.0N**	**23.4E**	**15**				**¶97ii3444**
ISC	**II**	**24 08 10 47.6**±.88	**39.97N**±.053	**23.34E**±.071	**1**±12		**11**	**0-2**	
THE	II	24 08 10 48.6	40.0N	23.4E	9	2.2L			**¶97ii3445**
ISC	**II**	**24 08 50 07.1**±.69	**39.99N**±.043	**23.38E**±.050	**7**±6.7		**25**	**0-4**	
THE	II	24 08 50 07.8	40.0N	23.4E	9	3.0L			**¶97ii3450**
ATH	II	24 08 50 08.6	40.35N	23.63E	43	3.3D			
ISC	**II**	**24 09 34 31**±1.7	**39.8N**±.12	**23.4E**±.18	**35**±34		**8**	**0-1**	
THE	II	24 09 34 31.9	39.8N	23.4E	23	2.1L			**¶97ii3454**
ISC	**II**	**24 10 13 20.2**±.84	**39.96N**±.059	**23.38E**±.099	**10**±16		**8**	**0-1**	
THE	II	24 10 13 20.9	40.0N	23.4E	11	1.6L			**¶97ii3458**
ISC	**II**	**24 14 36 14**±5.1	**38.7N**±.32	**24.2E**±.24	**26**±25		**6**	**1-2**	
THE	II	24 14 36 15.7	38.7N	24.1E	18				**¶97ii3491**
ISC	**II**	**24 18 02 17.1**±.93	**39.72N**±.049	**25.52E**±.041	**8**±8.3		**33**	**0-6**	
NEIC	II	24 18 02 13.1	39.67N	25.14E	10				**¶97ii3515**
ATH	II	24 18 02 17.9	39.70N	25.46E	5	3.5D			
ISK	II	24 18 02 17.9	39.60N	25.66E	9	3.4D			
THE	II	24 18 02 18.0	39.7N	25.5E	12	3.1L			
NEIC	Less reliable solution.								
THE	**II**	**25 13 53 00.7**	**40.5N**	**25.4E**	**5**				**¶97ii3631**
ISC	**II**	**27 14 53 07**±1.6	**38.68N**±.072	**26.29E**±.084	**3**±15		**21**	**1-5**	
ISK	II	27 14 53 07.0	38.69N	26.29E	5	3.5D			**¶97ii3973**
NEIC	II	27 14 53 08.2	38.63N	26.33E	10				
THE	II	27 14 53 09.2	38.5N	25.9E	15				
NEIC	Poor solution.								
ISC	**III**	**01 13 03 22**±2.0	**39.1N**±.15	**23.8E**±.20	**13**±15		**9**	**0-2**	
THE	III	01 13 03 21.6	39.0N	23.8E	14	2.7L			**¶97iii0110**
ISC	**III**	**02 04 38 12.5**±.73	**38.72N**±.033	**25.63E**±.037	**27**±8.5	**3.5b**	**68**	**1-77**	
NEIC	III	02 04 38 09.9	38.67N	25.55E	10	3.5b			**¶97iii0244**
EIDC	III	02 04 38 09.9	38.7N	25.6E	0	3.6b			
ISK	III	02 04 38 10.8	38.81N	25.77E	10	3.8D			
THE	III	02 04 38 12.0	38.7N	25.6E	7	3.7L			
ATH	III	02 04 38 13.4	38.77N	25.64E	29	3.7L			
ISC	**III**	**02 19 47 11**±1.1	**38.76N**±.071	**26.6E**±.11	**10**±11		**12**	**1-3**	
ISK	III	02 19 47 08.8	38.75N	26.32E	10	3.3D			**¶97iii0388**
ATH	III	02 19 47 10.1	38.85N	27.00E	8	3.6D			
THE	III	02 19 47 11.7	38.7N	26.4E	9				
ISC	**III**	**02 20 37 12.0**±.96	**38.81N**±.082	**25.8E**±.13	**33**		**7**	**1-2**	
ATH	III	02 20 37 12.3	38.80N	25.82E	33	3.3L			**¶97iii0400**
ISC	**III**	**09 12 25 28**±2.6	**38.8N**±.12	**26.6E**±.28	**5**		**7**	**1-2**	
ISK	III	09 12 25 26.5	38.73N	26.60E	5	3.0D			**¶97iii1959**
ISC	**III**	**10 23 28 43**±1.7	**38.91N**±.092	**26.8E**±.20	**10**		**7**	**1-2**	
ISK	III	10 23 28 43.1	38.91N	26.79E	10	3.1D			**¶97iii2282**
ISC	**III**	**11 16 37 03.4**±.73	**39.33N**±.050	**23.77E**±.059	**10**±7.8		**22**	**0-3**	
THE	III	11 16 37 04.5	39.3N	23.8E	14	2.8L			**¶97iii2410**
ATH	III	11 16 37 05.8	39.29N	23.76E	2	3.2L			
ISC	**III**	**11 23 44 09**±4.5	**38.4N**±.15	**26.7E**±.31	**11**±22		**6**	**0-2**	
ISK	III	11 23 44 09.3	38.51N	26.74E	9	3.0D			**¶97iii2454**
ISC	**III**	**12 01 07 08**±2.4	**38.7N**±.15	**26.9E**±.29	**12**		**4**	**0-2**	
ISK	III	12 01 07 07.2	38.76N	26.87E	12	2.8D			**¶97iii2461**
ISC	Poorly determined								
ISC	**III**	**12 14 39 52.2**±.98	**39.30N**±.093	**23.8E**±.10	**10**±12		**9**	**0-2**	
THE	III	12 14 39 53.0	39.3N	23.8E	10	2.4L			**¶97iii2551**
ISC	**III**	**12 19 17 52.1**±.84	**40.14N**±.052	**24.00E**±.068	**3**±14		**11**	**0-2**	
THE	III	12 19 17 53.3	40.1N	24.0E	5	2.4L			**¶97iii2580**
ISC	**III**	**12 22 26 16.2**±.69	**40.14N**±.050	**24.05E**±.064	**8**		**12**	**0-2**	
THE	III	12 22 26 17.3	40.2N	24.0E	8	2.3L			**¶97iii2599**
ISC	**III**	**13 01 16 04**±1.4	**39.2N**±.11	**23.30E**±.098	**9**±17		**6**	**0-2**	
THE	III	13 01 16 05.2	39.2N	23.4E	10	1.9L			**¶97iii2620**
ISC	**III**	**13 19 56 47.6**±.62	**40.15N**±.047	**24.04E**±.057	**2**		**14**	**0-2**	
THE	III	13 19 56 48.6	40.2N	24.0E	2	2.4L			**¶97iii2757**
ISC	**III**	**15 16 45 18**±1.1	**40.15N**±.065	**24.01E**±.097	**5**		**10**	**0-2**	
THE	III	15 16 45 19.0	40.2N	23.9E	5	1.7L			**¶97iii3073**
ISC	**III**	**17 17 35 47**±1.2	**38.95N**±.071	**27.0E**±.19	**7**		**7**	**1-2**	
ISK	III	17 17 35 46.4	38.95N	27.00E	7	3.1D			**¶97iii3409**
ISC	**III**	**18 00 45 06.8**±.63	**38.04N**±.056	**26.19E**±.091	**30**		**14**	**1-3**	
ISK	III	18 00 45 03.2	37.37N	27.52E	10	3.5D			**¶97iii3457**
ATH	III	18 00 45 07.2	38.07N	26.21E	30	3.7D			
THE	III	18 00 45 07.4	38.0N	26.2E	28				
ISC	**III**	**18 01 28 08.2**±.77	**40.15N**±.047	**24.00E**±.056	**2**±9.2		**16**	**0-3**	
THE	III	18 01 28 09.3	40.2N	24.0E	3	2.3L			**¶97iii3466**
ISC	**III**	**18 01 33 29.8**±.80	**40.14N**±.053	**24.01E**±.068	**6**±13		**11**	**0-2**	
THE	III	18 01 33 31.2	40.1N	24.0E	4	1.9L			**¶97iii3468**
ISC	**III**	**19 01 24 20.8**±.49	**39.02N**±.037	**23.13E**±.056	**3**		**24**	**0-4**	
THE	III	19 01 24 21.9	39.0N	23.1E	3	2.8L			**¶97iii3608**
ATH	III	19 01 24 22.1	38.99N	23.09E	5	3.0L			
ISC	**III**	**20 16 52 24.7**±.69	**39.18N**±.049	**23.50E**±.059	**13**±8.2		**20**	**0-2**	
THE	III	20 16 52 25.6	39.2N	23.5E	14	2.4L			**¶97iii3923**
ATH	III	20 16 52 26.3	39.20N	23.49E	24	3.2L			
ISC	**III**	**21 06 17 07.3**±.60	**39.31N**±.021	**23.78E**±.020	**5**±4.2	**4.5b,4.5s**	**236**	**0-96**	
ISK	III	21 06 17 00.3	39.39N	23.15E	9	4.3D			**¶97iii4013**
NEIC	III	21 06 17 07.0	39.34N	23.76E	5	4.3b,4.5s			
EIDC	III	21 06 17 07.5	39.2N	23.7E	0	4.3b,4.3s			
MOS	III	21 06 17 08.5	39.4N	23.7E	10	5.2b,4.6s			
THE	III	21 06 17 08.5	39.3N	23.8E	8	4.5L			
BJI	III	21 06 17 08.7	38.91N	23.36E	37	4.7b,5.0s			
ATH	III	21 06 17 09.6	39.32N	23.81E	24	4.5L			
PDG	III	21 06 17 19.8	40.2N	23.5E	10	4.3L,4.2D			
NEIC	Felt in the Athens and Volos areas, Greece.								
ISC	**III**	**21 06 29 06**±1.9	**39.2N**±.14	**23.9E**±.23	**19**±14		**6**	**0-2**	
THE	III	21 06 29 06.8	39.2N	23.7E	13	2.2L			**¶97iii4015**
ISC	**III**	**21 06 32 21**±1.5	**39.2N**±.14	**23.7E**±.15	**11**±17		**5**	**0-2**	
THE	III	21 06 32 21.5	39.2N	23.8E	15	4.5L			**¶97iii4016**
ISC	Poorly determined								
ISC	**III**	**21 06 37 45**±1.2	**39.2N**±.12	**23.70E**±.088	**4**±15		**7**	**0-2**	
THE	III	21 06 37 45.8	39.2N	23.7E	10	2.7L			**¶97iii4019**
ISC	**III**	**21 06 48 24**±1.2	**39.25N**±.089	**23.7E**±.12	**3**±19		**6**	**0-2**	
THE	III	21 06 48 24.9	39.2N	23.8E	15	2.4L			**¶97iii4020**
ISC	**III**	**21 06 54 49**±1.6	**39.2N**±.11	**23.8E**±.16	**16**		**6**	**0-2**	
THE	III	21 06 54 49.5	39.2N	23.9E	16	2.5L			**¶97iii4022**
ISC	**III**	**21 07 15 03**±1.3	**39.2N**±.11	**23.7E**±.12	**4**		**4**	**0-1**	
THE	III	21 07 15 03.7	39.2N	23.8E	4	2.2L			**¶97iii4029**
ISC	Poorly determined								
ISC	**III**	**21 07 23 11**±1.7	**39.2N**±.15	**23.8E**±.16	**17**		**4**	**0-1**	
THE	III	21 07 23 11.4	39.2N	23.9E	17	2.3L			**¶97iii4030**
ISC	Poorly determined								
ISC	**III**	**21 08 17 18**±1.8	**39.2N**±.14	**23.9E**±.13	**21**±15		**8**	**0-3**	
THE	III	21 08 17 19.1	39.2N	23.8E	20	2.5L			**¶97iii4036**
ISC	**III**	**21 09 00 12**±3.1	**39.2N**±.21	**23.9E**±.25	**20**±20		**5**	**0-1**	
THE	III	21 09 00 12.7	39.2N	23.8E	13				**¶97iii4044**
ISC	Poorly determined								
ISC	**III**	**21 09 07 12**±1.4	**39.28N**±.075	**23.7E**±.24	**3**±34		**6**	**0-2**	
THE	III	21 09 07 12.5	39.2N	23.8E	14	2.2L			**¶97iii4045**
ISC	**III**	**21 09 38 56**±1.2	**39.27N**±.079	**23.7E**±.11	**1**±21		**7**	**0-2**	
THE	III	21 09 38 56.7	39.2N	23.8E	10	2.2L			**¶97iii4050**
ISC	**III**	**21 10 51 53**±1.7	**39.2N**±.12	**23.8E**±.20	**17**		**4**	**0-1**	
THE	III	21 10 51 53.1	39.2N	23.9E	17	2.2L			**¶97iii4060**
ISC	Poorly determined								
ISC	**III**	**21 11 42 27**±1.1	**39.26N**±.077	**23.70E**±.084	**0**±15		**9**	**0-2**	
THE	III	21 11 42 27.8	39.2N	23.7E	6	2.1L			**¶97iii4065**
ISC	**III**	**21 19 18 42**±1.5	**39.2N**±.11	**23.7E**±.15	**7**±32		**5**	**0-1**	
THE	III	21 19 18 43.1	39.2N	23.8E	19	2.2L			**¶97iii4119**
ISC	Poorly determined								
ISC	**III**	**21 20 25 06**±1.0	**39.26N**±.085	**23.76E**±.087	**19**±13		**12**	**0-2**	
THE	III	21 20 25 06.3	39.2N	23.8E	16	2.4L			**¶97iii4129**
ISC	**III**	**22 17 59 59**±7.0	**38.9N**±.28	**24.5E**±.43	**0**		**5**	**1-2**	
THE	III	22 18 00 03.6	39.1N	24.2E	0	2.5L			**¶97iii4299**
ISC	**III**	**23 03 32 41.2**±.71	**39.27N**±.033	**23.76E**±.049	**8**±7.0		**32**	**0-3**	
THE	III	23 03 32 41.9	39.2N	23.7E	13	3.0L			**¶97iii4379**
ATH	III	23 03 32 43.2	39.19N	23.78E	5	3.3L			
ISC	**III**	**23 07 03 23**±1.6	**39.27N**±.091	**23.9E**±.22	**15**		**4**	**0-1**	
THE	III	23 07 03 23.6	39.2N	23.8E	15	2.1L			**¶97iii4413**
ISC	Poorly determined								
ISC	**III**	**23 07 44 13**±1.1	**39.24N**±.085	**23.66E**±.085	**4**±15		**8**	**0-2**	
THE	III	23 07 44 13.4	39.2N	23.7E	8	2.4L			**¶97iii4417**
ISC	**III**	**23 13 25 02**±1.2	**40.10N**±.097	**24.5E**±.10	**10**		**5**	**0-1**	
THE	III	23 13 25 02.8	40.1N	24.5E	10				**¶97iii4445**
ISC	**III**	**23 15 15 42.0**±.63	**38.95N**±.064	**24.95E**±.054	**2**		**16**	**1-3**	
ATH	III	23 15 15 41.9	39.05N	24.82E	2	3.1L			**¶97iii4453**
THE	III	23 15 15 42.4	38.9N	25.0E	5	2.7L			
ISC	**III**	**24 01 41 56.7**±.60	**39.29N**±.041	**23.75E**±.051	**9**±7.7		**19**	**0-2**	
THE	III	24 01 41 57.6	39.2N	23.7E	14	2.6L			**¶97iii4507**
ATH	III	24 01 41 58.5	39.25N	23.77E	5	3.0L			
ISC	**III**	**24 05 03 38.9**±.56	**39.31N**±.049	**25.53E**±.052	**8**		**19**	**1-3**	
THE	III	24 05 03 39.8	39.3N	25.5E	8	2.8L			**¶97iii4532**
ATH	III	24 05 03 40.2	39.34N	25.50E	5				
ISC	**III**	**24 09 19 30**±1.5	**39.2N**±.14	**23.7E**±.10	**13**±14		**6**	**0-1**	
THE	III	24 09 19 30.9	39.2N	23.7E	12	2.5L			**¶97iii4553**
ISC	**III**	**24 22 18 10**±1.6	**39.2N**±.12	**23.9E**±.21	**16**		**4**	**0-1**	
THE	III	24 22 18 10.1	39.2N	23.8E	16				**¶97iii4627**
ISC	Poorly determined								
ISC	**III**	**26 04 54 16.3**±.92	**39.59N**±.058	**24.0E**±.11	**12**±12		**12**	**0-2**	
THE	III	26 04 54 17.4	39.6N	23.9E	8	2.2L			**¶97iii4844**
ISC	**III**	**27 04 43 06**±1.2	**38.88N**±.051	**24.95E**±.050	**2**±9.5		**31**	**1-4**	
NEIC	III	27 04 43 03.6	38.59N	24.70E	10				**¶97iii5143**
THE	III	27 04 43 07.8	38.9N	24.9E	8	2.8L			
ATH	III	27 04 43 08.7	38.92N	24.96E	22	3.2L			
NEIC	MD3.2(ISK), Less reliable solution.								
ISC	**III**	**27 13 16 07**±1.7	**38.33N**±.072	**26.9E**±.12	**2**±17		**7**	**0-2**	
									¶97iii5231
ISC	**III**	**28 08 55 38**±1.3	**39.2N**±.10	**23.7E**±.12	**0**		**4**	**0-1**	
THE	III	28 08 55 38.2	39.2N	23.8E	0				**¶97iii5398**
ISC	Poorly determined								
ISC	**III**	**28 09 56 54**±1.1	**39.24N**±.072	**23.73E**±.097	**13**		**10**	**0-2**	
THE	III	28 09 56 55.5	39.2N	23.8E	13	2.5L			**¶97iii5413**
ISC	**III**	**28 20 40 18.4**±.78	**39.67N**±.050	**23.40E**±.062	**8**±7.9		**16**	**0-3**	
THE	III	28 20 40 19.5	39.7N	23.4E	8	2.6L			**¶97iii5481**
ISC	**III**	**30 17 19 57.6**±.67	**39.92N**±.043	**23.52E**±.056	**7**±6.4		**23**	**0-4**	
THE	III	30 17 19 58.1	39.9N	23.5E	8	2.9L			**¶97iii5778**
NEIC	III	30 17 19 59.5	40.05N	23.66E	10				
ATH	III	30 17 20 02.2	40.20N	23.19E	10	3.1D			
ISC	**IV**	**02 03 40 54**±2.0	**39.26N**±.099	**23.9E**±.27	**14**		**4**	**0-1**	
THE	IV	02 03 40 54.3	39.2N	23.8E	14	2.1L			**¶97iv0187**
ISC	Poorly determined								
ISC	**IV**	**03 16 36 17**±1.5	**40.5N**±.12	**24.3E**±.15	**17**		**5**	**0-1**	
THE	IV	03 16 36 18.0	40.4N	24.2E	17	2.1L			**¶97iv0454**
ISC	**IV**	**03 23 46 19.8**±.78	**39.26N**±.063	**23.71E**±.072	**4**±16		**9**	**0-1**	
THE	IV	03 23 46 20.7	39.2N	23.7E	10	2.3L			**¶97iv0505**
ATH	IV	03 23 46 21.0	39.25N	23.75E	10				
THE	**IV**	**04 01 09 27.9**	**38.9N**	**24.4E**	**10**	**2.3L**			**¶97iv0517**
ISC	**IV**	**04 10 44 33**±2.7	**38.3N**±.16	**26.7E**±.23	**10**		**5**	**0-2**	
ISK	IV	04 10 44 31.5	38.35N	26.72E	10	3.1D			**¶97iv0599**
ISC	**IV**	**05 19 05 18.0**±.77	**39.99N**±.055	**23.43E**±.093	**12**±12		**9**	**0-1**	
THE	IV	05 19 05 18.8	40.0N	23.4E	6	2.4L			**¶97iv0832**
ISC	**IV**	**05 21 22 50**±1.2	**39.23N**±.081	**23.7E**±.10	**10**		**6**	**0-2**	
THE	IV	05 21 22 50.3	39.2N	23.7E	10	2.5L			**¶97iv0857**
ISK	**IV**	**06 01 10 54.4**	**38.78N**	**26.52E**	**10**	**2.9D**			**¶97iv0895**
ISC	**IV**	**06 11 09 51.9**±.93	**40.31N**±.057	**25.69E**±.063	**0**±10		**12**	**1-2**	
ISK	IV	06 11 09 51.8	40.22N	25.66E	9	3.0D			**¶97iv0983**
THE	IV	06 11 09 53.1	40.3N	25.6E	10				
ATH	IV	06 11 09 53.9	40.39N	25.84E	10				
ISK	**IV**	**07 07 43 00.5**	**39.12N**	**25.54E**	**10**	**3.2D**			**¶97iv1121**
THE	IV	07 07 43 01.4	39.1N	25.3E	17				
ATH	IV	07 07 43 01.4	39.12N	25.26E	40	2.7D			
ISC	**IV**	**08 13 45 10**±1.0	**39.58N**±.064	**24.0E**±.12	**13**±14		**8**	**0-1**	
THE	IV	08 13 45 11.5	39.6N	24.0E	15	2.2L			**¶97iv1339**
ISC	**IV**	**10 08 28 06.2**±.59	**38.99N**±.027	**26.03E**±.029	**22**±5.8	**3.9b,2.9s**	**124**	**0-118**	
MOS	IV	10 08 28 03.3	38.9N	26.1E	10	4.0b			**¶97iv1657**
NEIC	IV	10 08 28 03.9	38.96N	26.18E	10	4.0b			
EIDC	IV	10 08 28 03.9	39.1N	26.4E	0	4.0b,2.9s			
THE	IV	10 08 28 06.4	39.0N	26.0E	10	3.9L			
ATH	IV	10 08 28 06.4	38.99N	26.09E	12	3.9L			
ISK	IV	10 08 28 06.9	39.07N	26.19E	11	4.0D			
ISC	**IV**	**11 06 49 29**±1.1	**39.24N**±.085	**23.69E**±.088	**10**		**6**	**0-1**	
THE	IV	11 06 49 29.3	39.2N	23.7E	10	1.6L			**¶97iv1826**
ISC	**IV**	**11 08 12 14**±3.3	**39.1N**±.23	**23.9E**±.25	**22**±19		**5**	**0-1**	
THE	IV	11 08 12 15.0	39.2N	23.8E	16	2.1L			**¶97iv1839**
ISC	Poorly determined								

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**16 00 49 10.6**±.85	**39.63N**±.051	**23.93E**±.065	**9**±7.5		**23**	**0-3**
THE	IV	16 00 49 11.6	39.6N	23.9E	10	2.7L		¶97iv2673
ATH	IV	16 00 49 15.2	39.91N	23.97E	16	3.1D		
THE	**IV**	**16 05 11 47.8**	**39.5N**	**24.3E**	**10**			¶97iv2699
ISC	**IV**	**16 07 45 23**±1.0	**39.89N**±.067	**23.92E**±.088	**12**±17		**8**	**0-1**
THE	IV	16 07 45 24.0	39.9N	23.9E	15	2.4L		¶97iv2719
ISC	**IV**	**21 08 02 45**±5.5	**38.9N**±.33	**24.5E**±.31	**10**		**6**	**1-3**
THE	IV	21 08 02 47.9	38.9N	24.5E	10			¶97iv3425
ISC	**IV**	**25 19 45 01**±1.3	**39.62N**±.085	**24.1E**±.13	**10**		**4**	**0-1**
THE	IV	25 19 45 02.3	39.6N	24.1E	10			¶97iv4406
ISC		Poorly determined						
ISC	**IV**	**26 06 22 18.9**±.48	**40.42N**±.046	**25.75E**±.049	**15**		**23**	**1-6**
THE	IV	26 06 22 19.0	40.4N	25.9E	15	3.0L		¶97iv4478
ISK	IV	26 06 22 22.4	40.29N	26.29E	10	3.2D		
ISC	**IV**	**26 18 06 35.1**±.63	**39.06N**±.046	**23.18E**±.053	**6**±9.1		**21**	**0-3**
THE	IV	26 18 06 36.6	39.1N	23.2E	8	2.8L		¶97iv4588
ATH	IV	26 18 06 36.8	39.14N	23.22E	5	3.2D		
ISC	**IV**	**26 21 34 03.6**±.77	**39.84N**±.052	**23.42E**±.075	**10**		**11**	**0-2**
THE	IV	26 21 34 04.3	39.8N	23.4E	10	2.3L		¶97iv4609
ISC	**IV**	**27 07 32 20**±3.0	**38.8N**±.11	**26.6E**±.35	**10**		**7**	**1-3**
ISK	IV	27 07 32 15.6	38.75N	26.36E	10	3.2D		¶97iv4688
ISC	**IV**	**27 12 36 46.5**±.71	**39.82N**±.050	**23.37E**±.056	**9**±7.0		**22**	**0-7**
THE	IV	27 12 36 47.7	39.8N	23.4E	11	2.9L		¶97iv4724
ISC	**IV**	**29 06 22 43**±2.9	**39.0N**±.18	**24.9E**±.13	**24**±16		**13**	**1-3**
THE	IV	29 06 22 42.4	38.9N	24.9E	21			¶97iv5030
ISC	**IV**	**29 20 42 14**±7.4	**38.6N**±.13	**27.0E**±.69	**9**±25		**6**	**0-3**
ISK	IV	29 20 42 14.3	38.58N	27.07E	11	2.9D		¶97iv5118
ISC	**IV**	**29 23 43 55**±1.7	**39.1N**±.14	**23.3E**±.10	**13**		**5**	**0-1**
THE	IV	29 23 43 55.8	39.1N	23.3E	13			¶97iv5134
ISC	**IV**	**30 02 13 23**±1.4	**38.81N**±.038	**25.65E**±.045	**5**±11		**37**	**1-7**
ISK	IV	30 02 13 22.4	38.87N	25.60E	10	3.5D		¶97iv5145
THE	IV	30 02 13 24.5	38.8N	25.7E	10	3.2L		
ATH	IV	30 02 13 26.0	38.80N	25.75E	30	3.2L		
ISC	**IV**	**30 04 47 10.1**±.89	**39.32N**±.062	**23.69E**±.083	**10**		**12**	**0-3**
THE	IV	30 04 47 11.0	39.3N	23.7E	10	2.7L		¶97iv5165
ISC	**IV**	**30 11 16 03**±1.8	**39.1N**±.17	**23.3E**±.11	**6**±19		**7**	**0-2**
THE	IV	30 11 16 04.1	39.0N	23.3E	8	2.3L		¶97iv5209
ISC	**IV**	**30 19 11 20**±2.1	**39.1N**±.20	**23.3E**±.12	**10**±26		**5**	**0-1**
THE	IV	30 19 11 20.9	39.1N	23.3E	10			¶97iv5249
ISC		Poorly determined						
ISC	**V**	**01 13 04 22.9**±.94	**38.12N**±.074	**26.4E**±.12	**10**		**7**	**1-5**
ATH	V	01 13 04 22.5	38.19N	26.35E	10			¶97v0108
ISK	V	01 13 04 23.6	38.23N	26.56E	10	3.1D		
ISC	**V**	**01 21 50 15**±1.1	**39.28N**±.082	**23.66E**±.088	**6**±14		**8**	**0-2**
THE	V	01 21 50 15.9	39.2N	23.7E	10	2.4L		¶97v0164
ISC	**V**	**02 03 32 19**±1.4	**38.48N**±.048	**25.97E**±.067	**6**±12		**17**	**1-7**
ISK	V	02 03 32 18.0	38.40N	25.94E	9	3.5D		¶97v0203
THE	V	02 03 32 19.7	38.4N	26.1E	11			
ATH	V	02 03 32 21.0	38.50N	26.18E	27	3.4L		
THE	**V**	**03 15 07 08.8**	**40.2N**	**25.2E**	**1**			¶97v0450
ISC	**V**	**04 09 36 53**±1.8	**38.37N**±.099	**25.9E**±.18	**10**		**4**	**1-1**
ATH	V	04 09 36 53.7	38.37N	25.76E	10			¶97v0613
ISC		Poorly determined						
ISC	**V**	**06 01 38 34**±1.7	**39.1N**±.16	**23.40E**±.095	**4**±20		**6**	**0-2**
THE	V	06 01 38 35.5	39.1N	23.4E	7	2.1L		¶97v0878
ATH	**V**	**06 07 25 29.1**	**38.84N**	**25.68E**	**35**			¶97v0926
ISC	**V**	**07 19 15 46.4**±.67	**40.00N**±.048	**25.38E**±.059	**5**		**23**	**0-3**
ATH	V	07 19 15 46.8	39.96N	25.46E	5	3.0D		¶97v1138
THE	V	07 19 15 47.0	40.0N	25.4E	10	2.8L		
ISK	V	07 19 15 47.8	39.48N	25.78E	10	3.1D		
NEIC	V	07 19 16 01.4	40.89N	25.47E	50			
NEIC		Poor solution.						
ISC	**V**	**09 08 11 53.2**±.64	**38.35N**±.047	**25.01E**±.067	**7**		**14**	**1-3**
THE	V	09 08 11 54.9	38.4N	25.0E	7	2.8L		¶97v1386
ATH	V	09 08 11 54.9	38.34N	25.07E	5	3.3L		
ISC	**V**	**09 13 39 50.9**±.92	**40.30N**±.077	**25.81E**±.085	**1**		**7**	**1-2**
THE	V	09 13 39 50.3	40.2N	25.9E	1	2.7L		¶97v1429
ISK	V	09 13 39 51.6	39.69N	27.05E	10	2.7D		
ISC	**V**	**10 02 11 40.1**±.98	**39.80N**±.062	**23.5E**±.12	**5**±20		**7**	**0-1**
THE	V	10 02 11 40.9	39.8N	23.5E	7	1.9L		¶97v1514
ISC	**V**	**10 11 19 49**±1.5	**39.2N**±.14	**23.5E**±.11	**4**±27		**5**	**0-1**
THE	V	10 11 19 49.6	39.2N	23.5E	10	2.3L		¶97v1586
ISC		Poorly determined						
ISC	**V**	**11 04 01 41**±2.3	**39.0N**±.18	**23.4E**±.12	**8**		**4**	**0-1**
THE	V	11 04 01 42.1	39.1N	23.4E	8			¶97v1719
ISC		Poorly determined						
ISC	**V**	**13 13 19 34.5**±.98	**39.58N**±.036	**25.11E**±.038	**5**±8.1	3.3b	**45**	**0-73**
NEIC	V	13 13 19 35.3	39.56N	25.15E	10			¶97v2258
THE	V	13 13 19 36.2	39.6N	25.1E	12	3.5L		
ISK	V	13 13 19 36.3	39.49N	25.34E	5	3.7D		
ATH	V	13 13 19 37.3	39.61N	25.21E	22	3.7L		
ISC	**V**	**13 22 54 46**±2.0	**39.0N**±.19	**23.3E**±.11	**12**±18		**7**	**0-2**
THE	V	13 22 54 46.8	39.1N	23.3E	10	2.1L		¶97v2347
ISC	**V**	**15 07 23 11**±1.4	**39.2N**±.11	**23.8E**±.18	**16**		**4**	**0-1**
THE	V	15 07 23 10.8	39.2N	23.8E	16			¶97v2575
ISC		Poorly determined						
ISC	**V**	**16 14 23 55**±1.1	**39.29N**±.072	**23.69E**±.084	**1**±14		**8**	**0-3**
THE	V	16 14 23 55.7	39.3N	23.7E	10	2.5L		¶97v2788
ISC	**V**	**16 16 53 25**±2.2	**39.0N**±.19	**23.4E**±.12	**7**±18		**7**	**0-2**
THE	V	16 16 53 26.3	39.0N	23.4E	7	2.2L		¶97v2809
ISC	**V**	**17 16 44 30.0**±.67	**39.87N**±.065	**24.43E**±.066	**26**±12		**12**	**1-2**
THE	V	17 16 44 30.5	39.8N	24.4E	15	2.4L		¶97v2959
ATH	V	17 16 44 31.1	39.90N	24.50E	47	2.6D		
ISC	**V**	**17 23 38 22.8**±.84	**39.92N**±.056	**23.99E**±.076	**3**		**11**	**0-2**
THE	V	17 23 38 23.9	39.9N	24.0E	3	2.4L		¶97v3000
ISC	**V**	**18 13 10 55**±1.2	**38.37N**±.042	**25.94E**±.051	**4**±10		**27**	**1-5**
THE	V	18 13 10 57.1	38.4N	26.1E	24			¶97v3088
ATH	V	18 13 10 57.3	38.37N	26.10E	32	3.3L		
ISC	**V**	**18 13 32 32**±1.8	**38.39N**±.060	**25.77E**±.097	**14**±16		**12**	**1-4**
THE	V	18 13 32 32.7	38.4N	25.8E	11			¶97v3092
ATH	V	18 13 32 33.3	38.36N	25.77E	19	3.1L		
ISC	**V**	**21 21 12 30**±2.2	**39.0N**±.17	**23.7E**±.11	**12**±13		**7**	**0-2**
THE	V	21 21 12 31.5	39.1N	23.7E	10	2.3L		¶97v3607
ISC	**V**	**21 22 11 20.7**±.71	**39.75N**±.049	**23.45E**±.064	**10**		**15**	**0-2**
THE	V	21 22 11 21.7	39.8N	23.5E	10	2.6L		¶97v3614
ATH	V	21 22 11 28.2	40.45N	23.13E	5	3.1D		
ISC	**V**	**22 03 58 49.9**±.51	**38.62N**±.037	**24.14E**±.071	**7**		**28**	**1-4**
ATH	V	22 03 58 51.0	38.60N	24.17E	7	3.8L		¶97v3697
THE	V	22 03 58 52.4	38.6N	24.1E	20	3.1L		
ISC	**V**	**23 10 23 40.1**±.65	**40.36N**±.047	**25.97E**±.040	**19**±8.9		**39**	**1-5**
ATH	V	23 10 23 34.7	39.95N	25.10E	32	3.7D		¶97v3934
ISK	V	23 10 23 36.6	40.49N	25.71E	10	3.6D		
THE	V	23 10 23 38.2	40.3N	26.1E	10	3.5L		
ISC	**V**	**23 16 02 36.6**±.82	**40.35N**±.070	**24.07E**±.073	**7**±9.8		**10**	**0-2**
THE	V	23 16 02 37.5	40.3N	24.0E	10	3.0L		¶97v3969
THE	**V**	**24 07 51 57.7**	**39.2N**	**24.1E**	**8**			¶97v4079
ISC	**V**	**24 14 24 05.5**±.60	**40.48N**±.047	**24.09E**±.059	**11**		**16**	**0-2**
THE	V	24 14 24 06.2	40.5N	24.1E	11	2.9L		¶97v4127
ISC	**V**	**24 14 27 40.6**±.59	**40.49N**±.043	**24.07E**±.060	**6**		**17**	**0-4**
THE	V	24 14 27 41.6	40.5N	24.0E	6	3.0L		¶97v4128
ISC	**V**	**26 06 22 21.8**±.91	**40.51N**±.050	**24.08E**±.089	**4**		**13**	**0-2**
THE	V	26 06 22 23.2	40.5N	24.0E	4	2.8L		¶97v4378
ISC	**V**	**27 17 53 38.5**±.97	**39.30N**±.072	**23.8E**±.10	**16**		**8**	**0-2**
THE	V	27 17 53 39.0	39.3N	23.8E	16	2.3L		¶97v4600
ISC	**V**	**31 11 22 33.9**±.88	**39.74N**±.058	**23.81E**±.087	**10**		**7**	**0-1**
THE	V	31 11 22 35.0	39.7N	23.8E	10	1.8L		¶97v5184
THE	**V**	**31 19 31 20.8**	**40.0N**	**23.4E**	**19**			¶97v5227
ISK	**V**	**31 19 58 28.8**	**38.95N**	**26.48E**	**10**	**2.7D**		¶97v5233
ISC	**V**	**31 21 36 44**±1.4	**39.24N**±.095	**23.8E**±.14	**14**		**4**	**0-1**
THE	V	31 21 36 44.9	39.2N	23.8E	14			¶97v5244
ISC		Poorly determined						
ISC	**VI**	**02 12 57 56.0**±.95	**38.57N**±.056	**24.36E**±.076	**29**±11		**19**	**1-4**
THE	VI	02 12 57 56.4	38.5N	24.4E	20	2.8L		¶97vi0241
ATH	VI	02 12 57 56.9	38.53N	24.38E	31	3.5L		
THE	**VI**	**03 03 48 31.8**	**40.4N**	**25.9E**	**15**			¶97vi0381
ISC	**VI**	**04 06 27 17.8**±.99	**40.16N**±.086	**24.91E**±.083	**1**		**6**	**0-2**
THE	VI	04 06 27 18.9	40.1N	24.9E	1			¶97vi0566
ISC	**VI**	**04 06 55 45.3**±.90	**40.31N**±.080	**25.90E**±.077	**0**		**12**	**1-2**
THE	VI	04 06 55 41.6	40.2N	26.3E	0	2.9L		¶97vi0569
ISC	**VI**	**07 19 50 14**±1.6	**39.2N**±.13	**23.2E**±.10	**6**±29		**5**	**0-1**
THE	VI	07 19 50 14.4	39.1N	23.3E	12			¶97vi1137
ISC		Poorly determined						
ISC	**VI**	**09 02 16 12.5**±.72	**40.31N**±.052	**24.05E**±.060	**8**±6.9		**16**	**0-3**
THE	VI	09 02 16 14.2	40.3N	24.0E	8	2.7L		¶97vi1316
ISC	**VI**	**10 09 44 52.3**±.56	**40.36N**±.041	**24.07E**±.056	**6**		**17**	**0-2**
THE	VI	10 09 44 53.7	40.3N	24.0E	6	2.5L		¶97vi1507
ISC	**VI**	**10 14 36 39.4**±.76	**39.63N**±.077	**25.41E**±.071	**10**		**12**	**0-3**
ISK	VI	10 14 36 36.7	39.53N	25.36E	10	3.2D		¶97vi1535
ISC	**VI**	**11 08 01 45.1**±.74	**39.95N**±.050	**23.47E**±.072	**9**±9.8		**12**	**0-2**
THE	VI	11 08 01 46.0	40.0N	23.5E	9	2.2L		¶97vi1638
ISC	**VI**	**11 08 27 46**±1.4	**38.11N**±.053	**24.27E**±.079	**11**±11		**17**	**0-4**
THE	VI	11 08 27 47.7	38.1N	24.2E	19	3.1L		¶97vi1644
ATH	VI	11 08 27 48.0	37.99N	24.24E	26	3.2L		
ISC	**VI**	**12 04 38 03.7**±.51	**40.38N**±.046	**25.99E**±.056	**11**		**22**	**1-3**
ISK	VI	12 04 38 03.3	40.29N	25.97E	11	2.8D		¶97vi1800
THE	VI	12 04 38 03.6	40.4N	26.1E	1	3.3L		
ISC	**VI**	**12 04 38 43.1**±.90	**40.33N**±.094	**25.89E**±.097	**9**		**12**	**1-4**
ISK	VI	12 04 38 43.7	40.29N	25.99E	9	3.3D		¶97vi1801
THE	**VI**	**12 08 19 25.4**	**40.4N**	**25.9E**	**15**			¶97vi1817
ISC	**VI**	**12 08 19 45**±1.0	**40.41N**±.048	**25.98E**±.054	**2**±9.2		**20**	**0-3**
THE	VI	12 08 19 47.6	40.4N	25.9E	3	3.3L		¶97vi1818
ISK	VI	12 08 19 49.7	40.21N	26.33E	10	3.2D		
ISC	**VI**	**12 08 30 46.9**±.66	**39.35N**±.069	**25.49E**±.054	**4**		**16**	**1-3**
THE	VI	12 08 30 46.4	39.3N	25.6E	4			¶97vi1819
ISK	VI	12 08 30 50.2	39.34N	25.96E	10	3.2D		
ISC	**VI**	**12 12 49 16.5**±.54	**40.41N**±.055	**25.99E**±.056	**5**		**17**	**0-3**
THE	VI	12 12 49 16.2	40.3N	26.2E	5	3.0L		¶97vi1849
ISK	VI	12 12 49 23.6	39.98N	26.59E	9	3.0D		
ISC	**VI**	**13 05 58 07**±2.2	**38.5N**±.13	**26.8E**±.23	**8**		**6**	**0-2**
ISK	VI	13 05 58 04.8	38.40N	26.74E	8	3.0D		¶97vi1939
ISC	**VI**	**14 17 39 22**±1.2	**38.46N**±.081	**25.9E**±.17	**23**±19		**9**	**1-4**
ATH	VI	14 17 39 21.4	38.53N	25.52E	10	3.4D		¶97vi2151
THE	VI	14 17 39 22.4	38.5N	26.0E	15			
ISC	**VI**	**14 18 29 30.0**±.81	**38.46N**±.060	**26.0E**±.14	**15**		**11**	**1-4**
THE	VI	14 18 29 31.3	38.5N	25.9E	15			¶97vi2156
ATH	VI	14 18 29 32.3	38.48N	26.09E	39	3.2L		
ISC	**VI**	**15 03 05 50**±1.7	**40.5N**±.14	**25.6E**±.17	**3**		**4**	**1-2**
THE	VI	15 03 05 51.0	40.4N	25.6E	3			¶97vi2225
ISC		Poorly determined						
ISC	**VI**	**15 13 43 51**±5.6	**39.6N**±.24	**25.4E**±.27	**8**±31		**5**	**0-1**
THE	VI	15 13 43 52.4	39.6N	25.4E	8			¶97vi2308
ISC		Poorly determined						
ISC	**VI**	**18 04 15 42.8**±.93	**40.35N**±.066	**24.31E**±.077	**8**±13		**9**	**0-2**
THE	VI	18 04 15 43.6	40.3N	24.3E	8	2.5L		¶97vi2725
ISC	**VI**	**21 02 51 56**±1.6	**38.9N**±.14	**25.7E**±.12	**22**±21		**6**	**1-2**
THE	VI	21 02 51 56.7	38.9N	25.7E	14			¶97vi3139
ATH	VI	21 02 51 57.8	39.08N	25.61E	5	2.9D		
ATH	**VI**	**21 02 52 49.2**	**39.46N**	**25.48E**	**15**	**2.9D**		¶97vi3140
ISC	**VI**	**22 15 40 43.0**±.63	**39.05N**±.045	**23.33E**±.067	**4**		**20**	**1-3**
THE	VI	22 15 40 43.6	39.0N	23.3E	4	2.9L		¶97vi3407
ATH	VI	22 15 40 45.8	38.94N	23.18E	5	3.1L		
ISK	**VI**	**24 17 31 02.9**	**38.93N**	**26.78E**	**5**	**2.9D**		¶97vi3757
ISC	**VI**	**24 17 46 27**±5.0	**40.1N**±.17	**25.7E**±.41	**5**		**5**	**1-2**
ISK	VI	24 17 46 26.2	40.09N	25.60E	5	2.8D		¶97vi3760
ISC	**VI**	**25 09 54 25**±2.0	**38.87N**±.094	**26.3E**±.21	**8**		**12**	**1-4**
ISK	VI	25 09 54 25.0	38.90N	26.31E	8	3.3D		¶97vi3885
ISC	**VI**	**25 20 25 42.2**±.55	**40.59N**±.028	**24.01E**±.037	**2**±5.4		**44**	**0-6**
ATH	VI	25 20 25 43.6	40.54N	24.05E	2	3.6L		¶97vi4025
THE	VI	25 20 25 43.8	40.6N	23.9E	10	3.5L		
ISC	**VI**	**28 07 02 06**±2.1	**38.49N**±.062	**25.8E**±.14	**4**±17		**10**	**1-3**
ATH	VI	28 07 02 06.9	38.55N	25.57E	10	3.3D		¶97vi4441
THE	VI	28 07 02 07.7	38.4N	26.0E	5			
ISK	VI	28 07 02 07.9	38.58N	25.92E	10	3.3D		
ISC	**VI**	**29 22 32 36**±1.2	**38.69N**±.036	**26.16E**±.043	**12**±9.7	3.5b	**44**	**1-24**
ISK	VI	29 22 32 36.2	38.74N	26.14E	15	3.6D		¶97vi4674
ATH	VI	29 22 32 36.7	38.67N	26.45E	27	3.6L		
THE	VI	29 22 32 37.1	38.6N	26.2E	20	3.4L		
ISC	**VI**	**29 23 11 54**±2.2	**38.9N**±.11	**26.5E**±.29	**10**		**6**	**1-2**
ISK	VI	29 23 11 54.0	38.99N	26.64E	10	3.1D		¶97vi4679
ISC	**VI**	**29 23 13 11.6**±.99	**38.74N**±.039	**26.20E**±.071	**24**±12		**28**	**1-4**
ISK	VI	29 23 13 11.6	38.82N	26.26E	10	3.5D		¶97vi4680
THE	VI	29 23 13 11.7	38.7N	26.2E	18	2.9L		
ATH	VI	29 23 13 11.9	38.76N	26.48E	31	3.5L		

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ISK	**I**	**01 01 27 43.4**	**37.31N**	**36.29E**	**10**	**3.1D**	¶97i0007
ISK	**I**	**01 02 08 19.2**	**37.52N**	**36.29E**	**10**	**3.2D**	¶97i0012

ISK	**I**	**01 05 42 31.6**	**40.12N**	**27.63E**	**10**	**2.6D**		¶97i0031
ISC	**I**	**01 08 08 31**±2.7	**39.5N**±.13	**27.9E**±.16	**2**±26		**5**	**1-1**
ISK	I	01 08 08 31.0	39.47N	27.95E	10	2.9D		¶97i0041
ISC	Poorly determined							
ISK	**I**	**01 13 58 36.3**	**39.21N**	**27.43E**	**5**	**2.7D**		¶97i0078
ISC	**I**	**01 17 48 22**±4.3	**38.6N**±.43	**27.8E**±.54	**6**		**4**	**0-2**
ISK	I	01 17 48 22.2	38.70N	27.67E	6	2.8D		¶97i0096
ISC	Poorly determined							
ISK	**I**	**01 22 36 04.5**	**40.35N**	**27.01E**	**5**	**2.7D**		¶97i0131
ISC	**I**	**01 22 58 51**±1.2	**39.45N**±.076	**27.9E**±.14	**5**		**6**	**1-2**
ISK	I	01 22 58 50.6	39.44N	27.91E	5	2.8D		¶97i0136
ISK	**I**	**01 23 24 13.1**	**38.01N**	**28.99E**	**5**	**3.0D**		¶97i0139
ISC	**I**	**02 01 22 49**±1.3	**39.46N**±.080	**27.9E**±.15	**5**		**5**	**1-1**
ISK	I	02 01 22 49.6	39.45N	27.90E	5	2.7D		¶97i0147
ISC	**I**	**02 11 00 28**±1.5	**39.1N**±.12	**27.5E**±.26	**10**		**4**	**1-1**
ISK	I	02 11 00 26.6	39.22N	27.39E	10	2.7D		¶97i0197
ISC	Poorly determined							
ISK	**I**	**02 13 34 09.7**	**39.29N**	**27.66E**	**10**	**2.6D**		¶97i0216
ISC	**I**	**03 09 02 25**±1.4	**39.1N**±.14	**27.6E**±.35	**10**		**4**	**1-1**
ISK	I	03 09 02 23.6	39.23N	27.46E	10	2.7D		¶97i0348
ISC	Poorly determined							
ISC	**I**	**03 09 21 35**±1.2	**39.28N**±.099	**29.2E**±.20	**5**		**5**	**1-1**
ISK	I	03 09 21 34.8	39.26N	29.12E	5	2.7D		¶97i0349
ISK	**I**	**03 09 57 48.2**	**39.22N**	**27.40E**	**10**	**2.6D**		¶97i0354
ISC	**I**	**03 12 13 55**±1.1	**39.2N**±.10	**27.7E**±.20	**14**		**5**	**1-1**
ISK	I	03 12 13 54.8	39.31N	27.64E	14	2.7D		¶97i0369
ISC	**I**	**03 13 35 31**±1.1	**39.0N**±.11	**27.6E**±.23	**10**		**5**	**1-1**
ISK	I	03 13 35 30.5	39.14N	27.50E	10	2.7D		¶97i0382
ISC	**I**	**03 13 48 35**±1.3	**40.3N**±.26	**28.0E**±.16	**13**±14		**5**	**0-1**
ISK	I	03 13 48 34.1	40.37N	27.99E	10	2.5D		¶97i0385
ISC	Poorly determined							
ISK	**I**	**03 14 22 55.2**	**39.38N**	**36.82E**	**5**	**3.4D**		¶97i0392
ISC	**I**	**03 18 21 18**±1.1	**38.06N**±.077	**30.2E**±.13	**10**		**8**	**1-3**
ISK	I	03 18 21 15.9	38.07N	30.15E	10	3.3D		¶97i0413
ISK	**I**	**03 19 31 59.2**	**37.34N**	**36.19E**	**5**	**3.4D**		¶97i0416
ISK	**I**	**04 00 20 04.9**	**39.19N**	**27.75E**	**10**	**2.6D**		¶97i0450
ISK	**I**	**04 01 33 09.4**	**40.80N**	**27.81E**	**10**	**2.4D**		¶97i0457
ISC	**I**	**04 04 00 30**±1.2	**40.3N**±.10	**35.4E**±.18	**10**		**7**	**1-3**
ISK	I	04 04 00 27.8	40.23N	35.26E	10	3.5D		¶97i0475
ISK	**I**	**04 10 52 53.4**	**39.17N**	**27.54E**	**10**	**2.7D**		¶97i0527
ISC	**I**	**04 11 24 01**±1.5	**39.1N**±.12	**27.5E**±.26	**8**		**4**	**1-1**
ISK	I	04 11 24 00.2	39.18N	27.36E	8	2.6D		¶97i0531
ISC	Poorly determined							
ISC	**I**	**04 19 43 04.7**±.41	**39.10N**±.036	**27.02E**±.052	**9**		**33**	**1-8**
ISK	I	04 19 43 04.0	39.15N	26.97E	9	3.6D		¶97i0578
ATH	I	04 19 43 08.3	38.83N	26.37E	5	3.8D		
THE	I	04 19 43 16.5	39.6N	26.4E	10	3.4L		
ISK	**I**	**04 22 37 55.9**	**39.16N**	**26.65E**	**10**	**2.8D**		¶97i0590
ISC	**I**	**05 06 10 07.6**±.72	**37.82N**±.060	**27.46E**±.068	**5**		**9**	**1-3**
ISK	I	05 06 10 04.8	37.71N	27.23E	5	3.1D		¶97i0627
ATH	I	05 06 10 13.1	37.92N	27.20E	10	3.6D		
ISC	**I**	**05 08 13 32.6**±.92	**39.15N**±.062	**27.0E**±.12	**10**		**9**	**1-2**
ISK	I	05 08 13 31.7	39.15N	27.01E	10	3.0D		¶97i0640
ISK	**I**	**05 12 41 22.2**	**39.19N**	**27.43E**	**5**	**2.7D**		¶97i0672
ISC	**I**	**05 19 35 22**±1.1	**40.69N**±.071	**30.34E**±.079	**1**±8.6		**19**	**1-6**
ISK	I	05 19 35 21.8	40.73N	30.38E	9	3.5D		¶97i0702
ISC	**I**	**05 20 00 48**±1.4	**37.1N**±.16	**29.0E**±.11	**10**		**4**	**1-1**
ISK	I	05 20 00 49.1	37.07N	29.01E	10	3.1D		¶97i0704
ISC	Poorly determined							
ISC	**I**	**06 03 29 40**±1.1	**39.10N**±.074	**27.1E**±.15	**5**		**7**	**1-2**
ISK	I	06 03 29 39.2	39.14N	27.04E	5	3.0D		¶97i0741
ISC	**I**	**06 04 26 32**±1.0	**37.75N**±.087	**29.6E**±.11	**5**		**5**	**1-1**
ISK	I	06 04 26 32.3	37.79N	29.56E	5	3.2D		¶97i0746
ISC	**I**	**06 08 20 58**±4.0	**40.4N**±.19	**27.9E**±.41	**22**±24		**5**	**0-1**
ISK	I	06 08 20 58.6	40.37N	27.96E	10	2.6D		¶97i0763
ISC	Poorly determined							
ISK	**I**	**06 09 19 16.2**	**39.29N**	**27.35E**	**10**	**2.7D**		¶97i0768
ISK	**I**	**06 09 51 39.5**	**39.24N**	**27.40E**	**5**	**2.6D**		¶97i0771
ISK	**I**	**06 09 56 36.2**	**38.93N**	**27.71E**	**10**	**2.7D**		¶97i0772
ISC	**I**	**06 12 54 31**±1.2	**39.1N**±.11	**27.5E**±.31	**10**		**5**	**1-1**
ISK	I	06 12 54 30.5	39.17N	27.39E	10	2.7D		¶97i0785
ISK	**I**	**06 14 01 56.8**	**39.17N**	**26.65E**	**10**	**2.8D**		¶97i0792
ISC	**I**	**06 19 06 43.4**±.64	**36.84N**±.053	**35.9E**±.11	**10**	4.3b	**15**	**1-33**
ISK	I	06 19 06 39.4	36.93N	35.68E	33	4.2D		¶97i0826
NEIC	I	06 19 06 44.2	36.82N	35.52E	10			
EIDC	I	06 19 07 20.5	40.6N	34.7E	0	4.1b,4.3L		
NEIC	Less reliable solution.							
ISC	**I**	**07 00 50 03.8**±.95	**37.61N**±.090	**29.81E**±.098	**10**		**6**	**1-2**
ISK	I	07 00 50 03.2	37.61N	29.72E	10	3.2D		¶97i0861
ISC	**I**	**07 00 53 19**±1.1	**37.61N**±.097	**29.8E**±.11	**10**		**5**	**1-1**
ISK	I	07 00 53 18.2	37.59N	29.72E	10	3.1D		¶97i0863
ISK	**I**	**07 08 36 29.3**	**39.08N**	**27.87E**	**10**	**2.8D**		¶97i0900
ISC	**I**	**07 09 45 33**±2.4	**39.2N**±.14	**27.3E**±.52	**9**		**4**	**1-2**
ISK	I	07 09 45 33.0	39.22N	27.27E	9	2.8D		¶97i0907
ISC	Poorly determined							
ISC	**I**	**07 12 36 23.4**±.97	**39.74N**±.050	**28.96E**±.076	**6**±8.3		**17**	**1-4**
ISK	I	07 12 36 23.9	39.78N	29.00E	9	3.4D		¶97i0921
ATH	I	07 12 36 42.1	39.53N	27.67E	10	3.5D		
THE	I	07 12 36 46.6	39.0N	25.4E	74			
ISK	**I**	**08 01 13 16.6**	**39.40N**	**26.03E**	**5**	**3.0D**		¶97i0999
ISK	**I**	**08 01 50 48.4**	**37.81N**	**27.59E**	**5**	**3.5D**		¶97i1004
ISK	**I**	**08 03 34 06.4**	**37.68N**	**27.36E**	**11**	**3.1D**		¶97i1015
ISK	**I**	**08 03 45 42.2**	**37.77N**	**27.58E**	**15**	**3.5D**		¶97i1017
ISK	**I**	**08 13 12 22.5**	**39.66N**	**28.62E**	**5**	**2.8D**		¶97i1066
ISK	**I**	**09 00 55 02.9**	**38.14N**	**30.10E**	**8**	**3.4D**		¶97i1152
ISC	**I**	**09 10 04 51**±1.9	**40.8N**±.18	**30.5E**±.11	**1**±15		**8**	**1-2**
								¶97i1200
ISC	**I**	**09 11 26 38**±1.4	**40.71N**±.087	**27.43E**±.092	**7**±12		**9**	**0-2**
								¶97i1206
ISK	**I**	**09 13 13 49.5**	**40.78N**	**27.48E**	**10**	**2.8D**		¶97i1222
ISK	**I**	**09 15 59 20.8**	**40.34N**	**27.20E**	**8**	**3.2D**		¶97i1242
ISK	**I**	**09 17 19 10.8**	**40.76N**	**29.15E**	**5**	**2.6D**		¶97i1253
ISK	**I**	**10 04 58 52.5**	**40.51N**	**27.86E**	**12**	**2.5D**		¶97i1314
ISK	**I**	**10 12 57 44.1**	**40.05N**	**39.92E**	**5**	**3.0D**		¶97i1366
ISK	**I**	**10 21 53 37.4**	**40.74N**	**29.98E**	**11**	**2.8D**		¶97i1432
ISK	**I**	**10 21 54 21.2**	**40.74N**	**29.97E**	**11**	**3.1D**		¶97i1433
ISK	**I**	**10 22 31 26.5**	**38.68N**	**27.35E**	**6**	**2.9D**		¶97i1436
ISK	**I**	**10 23 00 11.7**	**40.75N**	**29.97E**	**10**	**2.8D**		¶97i1438
ISK	**I**	**10 23 23 50.3**	**40.76N**	**29.88E**	**10**	**2.5D**		¶97i1439
ISK	**I**	**11 01 06 00.2**	**40.11N**	**27.30E**	**5**	**2.6D**		¶97i1445
ISK	**I**	**11 04 19 05.5**	**40.71N**	**29.95E**	**10**	**3.0D**		¶97i1463
ISK	**I**	**11 06 42 00.3**	**40.55N**	**35.25E**	**10**	**6.0D**		¶97i1479
ISK	**I**	**11 14 40 18.0**	**39.68N**	**39.78E**	**15**	**5.0D**		¶97i1536
ISK	**I**	**11 15 55 19.4**	**40.59N**	**29.77E**	**10**	**2.6D**		¶97i1543
ISK	**I**	**11 17 39 24.4**	**40.72N**	**29.97E**	**10**	**3.3D**		¶97i1553
ISK	**I**	**11 19 56 17.1**	**38.29N**	**28.16E**	**8**	**3.0D**		¶97i1568
ISK	**I**	**11 21 12 59.0**	**40.67N**	**29.85E**	**10**	**2.7D**		¶97i1582
ISK	**I**	**12 03 18 56.3**	**38.07N**	**28.96E**	**14**	**3.1D**		¶97i1617
ISK	**I**	**12 10 37 01.9**	**37.72N**	**36.25E**	**5**	**2.9D**		¶97i1664
ISK	**I**	**12 12 57 52.0**	**39.03N**	**27.77E**	**10**	**2.7D**		¶97i1680
ISK	**I**	**12 13 08 35.2**	**40.73N**	**29.97E**	**11**	**3.2D**		¶97i1682
ISK	**I**	**12 13 13 50.8**	**40.73N**	**29.89E**	**10**	**2.7D**		¶97i1684
ISK	**I**	**12 13 16 16.6**	**40.72N**	**29.95E**	**14**	**3.1D**		¶97i1685
ISK	**I**	**12 13 57 46.1**	**40.71N**	**29.98E**	**12**	**3.4D**		¶97i1690
ISK	**I**	**12 14 19 05.0**	**40.72N**	**29.95E**	**10**	**2.7D**		¶97i1691
ISK	**I**	**12 14 21 09.3**	**40.68N**	**29.96E**	**14**	**3.1D**		¶97i1692
ISK	**I**	**12 15 27 56.2**	**40.74N**	**29.95E**	**14**	**3.0D**		¶97i1702
ISK	**I**	**12 15 47 28.9**	**40.74N**	**29.94E**	**14**	**3.0D**		¶97i1704
ISK	**I**	**12 15 49 55.5**	**40.72N**	**29.95E**	**10**	**3.0D**		¶97i1706
ISK	**I**	**12 19 45 21.9**	**40.74N**	**30.00E**	**10**	**3.0D**		¶97i1732
ISK	**I**	**12 20 19 40.7**	**40.08N**	**28.42E**	**10**	**2.6D**		¶97i1734
ISK	**I**	**12 20 44 09.1**	**40.73N**	**29.94E**	**14**	**2.8D**		¶97i1738
ISK	**I**	**12 21 07 09.2**	**40.74N**	**30.00E**	**9**	**3.1D**		¶97i1744
ISK	**I**	**13 02 50 36.4**	**40.74N**	**30.10E**	**11**	**2.9D**		¶97i1772
ISK	**I**	**13 08 06 05.9**	**39.07N**	**27.67E**	**10**	**2.7D**		¶97i1803
ISK	**I**	**13 08 35 36.6**	**39.39N**	**27.82E**	**5**	**2.7D**		¶97i1807
ISK	**I**	**13 10 15 41.1**	**39.53N**	**28.80E**	**10**	**2.5D**		¶97i1821
ISK	**I**	**13 12 31 31.3**	**40.42N**	**29.34E**	**10**	**2.7D**		¶97i1838
ISK	**I**	**14 17 33 34.2**	**39.02N**	**28.04E**	**8**	**3.3D**		¶97i2027
ISK	**I**	**14 17 54 56.1**	**39.02N**	**27.97E**	**10**	**2.7D**		¶97i2028
ISK	**I**	**14 20 15 31.8**	**40.83N**	**35.51E**	**10**	**3.4D**		¶97i2052
ATH	**I**	**15 01 59 09.5**	**37.30N**	**27.03E**	**10**	**3.5D**		¶97i2085
ISC	**I**	**15 21 40 13**±1.2	**40.9N**±.13	**35.7E**±.11	**10**		**7**	**0-2**
ISK	I	15 21 40 11.9	40.93N	35.64E	10	3.2D		¶97i2213
ISK	**I**	**15 23 03 21.8**	**40.62N**	**35.34E**	**6**	**2.6D**		¶97i2221
ISK	**I**	**16 09 30 48.9**	**39.23N**	**27.26E**	**6**	**2.7D**		¶97i2285
ISK	**I**	**16 10 29 43.1**	**39.68N**	**29.46E**	**10**	**2.6D**		¶97i2294
ISK	**I**	**16 10 47 16.9**	**39.15N**	**27.53E**	**6**	**2.6D**		¶97i2298
ISK	**I**	**16 11 39 50.5**	**39.20N**	**27.40E**	**5**	**2.7D**		¶97i2304
ISK	**I**	**16 19 52 49.0**	**40.35N**	**29.36E**	**10**	**2.5D**		¶97i2351
ISC	**I**	**17 08 55 02**±1.6	**39.2N**±.12	**27.5E**±.26	**10**		**4**	**1-1**
ISK	I	17 08 55 00.5	39.26N	27.41E	10	2.7D		¶97i2421
ISC	Poorly determined							
ISK	**I**	**17 11 54 17.5**	**38.92N**	**27.74E**	**10**	**2.7D**		¶97i2441
ISK	**I**	**17 12 20 57.7**	**38.91N**	**27.74E**	**10**	**2.6D**		¶97i2448
ISK	**I**	**17 14 25 24.0**	**39.15N**	**27.52E**	**10**	**2.6D**		¶97i2468
ISK	**I**	**17 15 03 55.6**	**39.71N**	**29.48E**	**10**	**2.5D**		¶97i2472
ISC	**I**	**17 15 44 03**±1.4	**40.7N**±.14	**35.4E**±.11	**5**		**7**	**1-17**
ISK	I	17 15 44 02.3	40.69N	35.37E	5	3.0D		¶97i2478
ISK	**I**	**18 08 11 16.0**	**39.22N**	**27.42E**	**6**	**2.7D**		¶97i2634
ISK	**I**	**18 10 28 02.9**	**39.29N**	**27.66E**	**5**	**2.6D**		¶97i2646
ISK	**I**	**18 10 31 56.5**	**39.21N**	**27.36E**	**10**	**2.7D**		¶97i2647
ISK	**I**	**18 10 45 21.7**	**39.65N**	**29.56E**	**10**	**2.5D**		¶97i2648
ISK	**I**	**18 13 03 37.3**	**38.92N**	**27.78E**	**10**	**2.7D**		¶97i2661
ISC	**I**	**18 13 06 45**±1.1	**39.09N**±.096	**27.5E**±.17	**10**		**5**	**1-2**
ISK	I	18 13 06 43.3	38.92N	27.54E	10	2.7D		¶97i2664
ISC	**I**	**19 00 59 23**±2.4	**39.36N**±.086	**29.1E**±.18	**15**±16		**7**	**0-2**
ISK	I	19 00 59 22.9	39.35N	29.11E	15	3.0D		¶97i2754
ISK	**I**	**19 09 10 34.8**	**39.17N**	**27.45E**	**10**	**2.6D**		¶97i2810
ISK	**I**	**19 10 08 47.9**	**39.63N**	**29.48E**	**10**	**2.6D**		¶97i2817
ISK	**I**	**19 10 38 23.9**	**39.19N**	**27.41E**	**10**	**2.6D**		¶97i2823
ISK	**I**	**19 11 49 44.4**	**40.06N**	**29.64E**	**12**	**2.7D**		¶97i2834
ISC	**I**	**19 14 39 07**±1.5	**38.93N**±.098	**29.8E**±.21	**10**		**4**	**1-2**
ISK	I	19 14 39 05.7	38.97N	29.83E	10	3.0D		¶97i2854
ISC	Poorly determined							
ISK	**I**	**20 06 49 49.7**	**40.27N**	**27.82E**	**9**	**2.7D**		¶97i2955
ISK	**I**	**20 07 44 28.7**	**39.06N**	**27.73E**	**10**	**2.8D**		¶97i2958
ISC	**I**	**20 08 14 14**±1.4	**39.1N**±.14	**27.6E**±.35	**10**		**4**	**1-1**
ISK	I	20 08 14 13.7	39.01N	27.58E	10	2.6D		¶97i2960
ISC	Poorly determined							
ISC	**I**	**20 09 08 54**±2.1	**40.2N**±.16	**29.4E**±.20	**15**		**4**	**0-1**
ISK	I	20 09 08 53.2	40.15N	29.43E	15	2.7D		¶97i2972
ISC	Poorly determined							
ISK	**I**	**20 09 47 58.2**	**39.20N**	**27.40E**	**5**	**2.6D**		¶97i2977
ISC	**I**	**20 10 01 56**±1.3	**40.4N**±.11	**27.6E**±.10	**8**±14		**8**	**0-1**
ISK	I	20 10 01 56.3	40.38N	27.64E	5	2.7D		¶97i2980
ISK	**I**	**20 12 16 00.7**	**38.88N**	**28.08E**	**10**	**2.7D**		¶97i2998
ISC	**I**	**20 12 19 51**±2.0	**40.5N**±.11	**27.7E**±.17	**7**±17		**5**	**0-1**
ISK	I	20 12 19 50.4	40.49N	27.75E	8	2.7D		¶97i2999
ISC	Poorly determined							
ISC	**I**	**21 07 47 11.1**±.81	**38.97N**±.057	**27.4E**±.12	**10**		**10**	**1-2**
ISK	I	21 07 47 09.6	38.98N	27.47E	10	3.1D		¶97i3158
ISK	**I**	**21 07 58 38.3**	**39.19N**	**27.56E**	**5**	**2.6D**		¶97i3159
ISK	**I**	**21 09 01 48.4**	**39.15N**	**27.56E**	**5**	**2.8D**		¶97i3162
ISC	**I**	**21 09 46 43.0**±.86	**38.92N**±.070	**27.6E**±.12	**10**		**9**	**1-2**
ISK	I	21 09 46 41.6	38.96N	27.56E	10	3.1D		¶97i3165
ISC	**I**	**21 12 20 12**±1.8	**41.1N**±.21	**29.18E**±.098	**9**±9.4		**9**	**0-2**
ISK	I	21 12 20 10.7	41.20N	29.20E	7	2.9D		¶97i3179
ISC	**I**	**21 15 03 39**±1.1	**38.94N**±.052	**27.77E**±.082	**1**±12		**15**	**1-3**
ISK	I	21 15 03 39.6	38.96N	27.76E	5	3.3D		¶97i3199
THE	I	21 15 03 46.3	38.7N	27.5E	9			
ISC	**I**	**21 17 16 22**±1.4	**38.9N**±.31	**27.8E**±.49	**10**		**4**	**1-2**
ISK	I	21 17 16 21.3	38.97N	27.71E	10	2.7D		¶97i3207
ISC	Poorly determined							
ISK	**I**	**21 17 29 14.1**	**38.86N**	**27.87E**	**5**	**2.7D**		¶97i3211
ISK	**I**	**21 19 46 39.3**	**39.12N**	**27.80E**	**10**	**2.7D**		¶97i3220
ISC	**I**	**21 20 47 47.4**±.52	**38.08N**±.018	**29.00E**±.019	**18**±4.5	**4.9b,4.5s**	**398**	**0-120**
RYD	I	21 20 47 33.7	39.42N	28.73E	43			¶97i3226
MOS	I	21 20 47 46.2	38.0N	29.0E	10	5.6b,4.4s		
ISK	I	21 20 47 46.6	38.12N	28.92E	9	4.8D		
NEIC	I	21 20 47 46.7	38.05N	29.03E	16	5.0b,4.3s		
BJI	I	21 20 47 46.9	38.19N	28.34E	37	5.0b,4.9s		
ATH	I	21 20 47 47.9	38.15N	28.93E	5	4.8L		
EIDC	I	21 20 47 48.6	38.1N	29.0E	16	4.7b,4.3s		
HRVD	I	21 20 47 50.2±.7	37.98N±.09	28.33E±.19	18±5.3			
THE	I	21 20 47 51.5	38.1N	28.9E	31	4.9L		

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c27; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.65±.90; $M_{\theta\theta}$4.90±.47; $M_{\phi\phi}$−0.25±1.10; $M_{r\theta}$3.14±1.95; $M_{r\phi}$−5.12±2.30; $M_{\theta\phi}$−1.72±1.01. Principal Axes: T 7.41,Plg24°,Azm30°; N 0.83,Plg20°,Azm129°; P −8.25,Plg58°,Azm255°. Best double couple: $M_0$7.8×10^{16}Nm, NP1: ϕ_s85°,δ28°,λ−138°. NP2:ϕ_s316°,δ72°,λ−69°.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**I**	**21 21 12 53.9**±.44	**38.16N**±.035	**28.91E**±.052	**8**		**40**	**1-8**	
ISK	I	21 21 12 53.1	38.13N	28.91E	8	3.7D			¶97i3228
ATH	I	21 21 12 55.6	38.11N	28.78E	5	4.0D			
ISC	**I**	**21 21 33 32**±1.4	**38.0N**±.14	**29.0E**±.16	**10**		**4**	**1-2**	
ISK	I	21 21 33 32.1	38.02N	29.03E	10	2.8D			¶97i3233
ISC		Poorly determined							
ISC	**I**	**21 22 03 51.7**±.52	**38.22N**±.046	**28.92E**±.066	**10**		**18**	**0-5**	
ISK	I	21 22 03 49.3	38.18N	28.88E	10	3.6D			¶97i3238
ATH	I	21 22 03 56.5	38.11N	28.66E	36	3.8D			
ISC	**I**	**21 22 06 28.8**±.49	**38.14N**±.039	**28.94E**±.071	**5**		**19**	**0-3**	
ISK	I	21 22 06 28.0	38.11N	28.94E	5	3.6D			¶97i3239
ATH	I	21 22 06 34.5	38.11N	28.57E	31	3.9D			
ISK	**I**	**21 22 08 01.9**	**38.15N**	**28.91E**	**5**	**3.0D**			¶97i3241
ISC	**I**	**22 00 08 43**±1.3	**38.0N**±.12	**28.9E**±.15	**10**		**5**	**1-2**	
ISK	I	22 00 08 42.0	38.10N	28.91E	10	2.9D			¶97i3249
ISC	**I**	**22 00 19 50.1**±.90	**38.11N**±.081	**28.9E**±.10	**10**		**7**	**1-2**	
ISK	I	22 00 19 48.6	38.13N	28.86E	10	3.1D			¶97i3251
ISC	**I**	**22 00 39 03.5**±.91	**38.05N**±.081	**28.9E**±.10	**10**		**7**	**1-2**	
ISK	I	22 00 39 02.1	38.11N	28.86E	10	3.1D			¶97i3255
ISC	**I**	**22 06 26 34.4**±.93	**38.05N**±.079	**28.9E**±.12	**5**		**8**	**1-3**	
ISK	I	22 06 26 34.8	38.11N	28.84E	5	3.3D			¶97i3286
ISC	**I**	**22 08 30 55.3**±.81	**38.06N**±.072	**28.91E**±.088	**10**		**9**	**1-2**	
ISK	I	22 08 30 54.3	38.08N	28.93E	10	3.2D			¶97i3298
ISC	**I**	**22 09 01 10**±1.1	**39.11N**±.090	**27.5E**±.16	**10**		**5**	**1-1**	
ISK	I	22 09 01 10.5	39.09N	27.53E	10	2.7D			¶97i3301
ISC	**I**	**22 09 54 37**±1.2	**40.1N**±.12	**28.9E**±.11	**26**±19		**7**	**0-1**	
ISK	I	22 09 54 36.3	40.10N	28.87E	10	2.6D			¶97i3307
ISC	**I**	**22 12 24 47**±1.2	**38.1N**±.11	**28.9E**±.13	**10**		**5**	**1-2**	
ISK	I	22 12 24 46.8	38.09N	29.19E	10	3.0D			¶97i3327
ISC	**I**	**22 12 30 21**±10	**40.0N**±.60	**29.4E**±.59	**10**		**4**	**0-1**	
ISK	I	22 12 30 21.2	40.07N	29.49E	10	2.5D			¶97i3329
ISC		Poorly determined							
ISC	**I**	**22 12 37 10**±1.2	**39.1N**±.11	**27.7E**±.18	**10**		**4**	**1-1**	
ISK	I	22 12 37 10.9	39.11N	27.65E	10	2.6D			¶97i3331
ISC		Poorly determined							
ISC	**I**	**22 12 45 57**±1.3	**39.1N**±.11	**27.7E**±.18	**10**		**4**	**1-1**	
ISK	I	22 12 45 57.6	39.09N	27.63E	10	2.7D			¶97i3332
ISC		Poorly determined							
ISC	**I**	**22 12 56 29**±1.3	**38.0N**±.10	**29.0E**±.14	**10**		**7**	**1-3**	
ISK	I	22 12 56 29.0	38.05N	28.99E	10	3.1D			¶97i3334
ISK	**I**	**22 13 29 23.7**	**39.56N**	**29.60E**	**5**	**2.5D**			¶97i3336
ISC	**I**	**22 14 49 25**±1.3	**39.1N**±.11	**27.7E**±.18	**10**		**4**	**1-1**	
ISK	I	22 14 49 26.3	39.10N	27.67E	10	2.6D			¶97i3343
ISC		Poorly determined							
ISC	**I**	**22 16 41 03**±1.2	**38.1N**±.11	**28.9E**±.13	**10**		**5**	**1-2**	
ISK	I	22 16 41 02.2	38.14N	28.90E	10	3.0D			¶97i3351
ISK	**I**	**22 17 53 42.7**	**41.64N**	**35.77E**	**10**	**2.9D**			¶97i3359
ISC	**I**	**22 17 57 23.0**±.27	**36.19N**±.016	**35.94E**±.019	**45**±3.0	**5.3b,5.5s**	**545**	**0-133**	
MOS	I	22 17 57 17.9	36.1N	35.9E	10	5.9b,5.4s			¶97i3360
BJI	I	22 17 57 18.5	36.40N	36.02E	11	5.5b,5.7s			
NEIC	I	22 17 57 18.7	36.25N	35.95E	10	5.4b,5.4s			
ISK	I	22 17 57 19.6	36.14N	36.12E	10	5.1D			
EIDC	I	22 17 57 22.1	36.3N	35.9E	20	5.1b,5.3s			
HRVD	I	22 17 57 24.4±.2	36.01N±.03	35.77E±.04	15				
NEIC		M_w5.7(GS), M_L5.6(JER)							
NEIC		Mw 5.7 (HRV). At least five people injured and ten houses damaged at Antakya. Felt at Adana, Malatya and Mersin. Felt at Beirut and Tripoli, Lebanon. Also felt at Nicosia, Cyprus and in Syria.							
NEIC		Moment tensor solution: s22, scale 10^{17}Nm; M_{rr}−0.40; $M_{\theta\theta}$−2.24; $M_{\phi\phi}$2.64; $M_{r\theta}$1.88; $M_{r\phi}$−2.76; $M_{\theta\phi}$1.31. Depth 15km; Principal axes: T 4.28,Plg30°,Azm92°; N 0.15,Plg40°, Azm333°; P −4.42,Plg36°,Azm207°. Best double couple: $M_0$4.4×10^{17}Nm; NP1:ϕ_S236°,δ40°, λ−6°. NP2:ϕ_S331°,δ86°,λ−130°.							
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s34,c49; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.21±.09; $M_{\theta\theta}$−2.12±.09; $M_{\phi\phi}$3.33±.09; $M_{r\theta}$−0.22±.33; $M_{r\phi}$−3.20±.33; $M_{\theta\phi}$1.74±.11. Principal Axes: T 5.35,Plg26°,Azm104°; N −2.05,Plg38°,Azm352°; P −3.30,Plg42°,Azm219°. Best double couple: $M_0$4.3×10^{17}Nm, NP1:ϕ_S243°,δ39°,λ−15°. NP2:ϕ_S345°,δ81°,λ−128°.							
ISC	**I**	**22 18 22 06**±1.1	**36.19N**±.037	**35.99E**±.072	**13**±8.6	**4.2b**	**39**	**0-79**	
ISK	I	22 18 22 04.8	36.00N	36.14E	10	3.9D			¶97i3366
NEIC	I	22 18 22 06.3	36.06N	35.67E	10	4.3b			
EIDC	I	22 18 22 06.6	36.1N	35.6E	0	4.0b			
IPRG	I	22 18 22 11.5±.77	35.9N	35.6E	5	4.0L,4.2b			
NEIC		Less reliable solution.							
ISC	**I**	**22 18 24 50.5**±.14	**36.21N**±.018	**35.99E**±.019	**10**	**5.0b,4.8s**	**387**	**0-124**	
MOS	I	22 18 24 50.1	36.1N	35.9E	10	5.3b,4.5s			¶97i3367
NEIC	I	22 18 24 50.2	36.24N	35.92E	10	5.1b			
BJI	I	22 18 24 50.3	36.46N	36.03E	8	4.9b,5.0s			
ISK	I	22 18 24 51.2	36.13N	36.08E	10	5.0D			
EIDC	I	22 18 24 56.8	36.2N	35.9E	48	4.6b,4.0L			
NEIC		$M_{L5.2}$(JER).							
ISK	**I**	**22 21 30 36.7**	**38.38N**	**27.80E**	**9**	**2.7D**			¶97i3386
ISC	**I**	**22 22 36 04.9**±.56	**38.10N**±.053	**28.90E**±.055	**8**		**32**	**1-8**	
ISK	I	22 22 36 04.4	38.13N	28.90E	8	3.7D			¶97i3396
ISC	**I**	**22 23 11 13.9**±.89	**40.63N**±.080	**29.07E**±.088	**10**±13		**7**	**0-1**	
ISK	I	22 23 11 13.8	40.63N	29.11E	5	2.6D			¶97i3399
ISC	**I**	**22 23 54 32.7**±.90	**37.15N**±.084	**30.10E**±.094	**10**		**7**	**0-6**	
ISK	I	22 23 54 32.9	37.10N	30.16E	10	3.2D			¶97i3406
ISC	**I**	**23 00 02 03**±1.2	**39.84N**±.074	**28.8E**±.11	**5**		**6**	**0-1**	
ISK	I	23 00 02 02.2	39.82N	28.74E	5	2.7D			¶97i3409
ISC	**I**	**23 07 15 36**±1.6	**40.7N**±.15	**35.3E**±.12	**5**		**7**	**1-2**	
ISK	I	23 07 15 35.6	40.71N	35.23E	5	3.2D			¶97i3456
ISC	**I**	**23 07 21 20**±1.1	**37.8N**±.11	**28.9E**±.13	**10**		**5**	**1-3**	
ISK	I	23 07 21 19.1	37.89N	28.93E	10	3.2D			¶97i3458
ISK	**I**	**23 07 43 15.5**	**39.78N**	**28.53E**	**15**	**2.5D**			¶97i3462
ISK	**I**	**23 08 44 27.3**	**38.90N**	**28.06E**	**10**	**2.7D**			¶97i3471
ISC	**I**	**23 09 58 43**±1.2	**39.1N**±.11	**27.6E**±.18	**10**		**4**	**1-1**	
ISK	I	23 09 58 43.9	39.16N	27.58E	10	2.6D			¶97i3476
ISC		Poorly determined							
ISK	**I**	**23 10 19 03.5**	**39.21N**	**27.80E**	**10**	**2.6D**			¶97i3483
ISC	**I**	**23 11 12 38**±2.5	**37.8N**±.14	**27.2E**±.32	**10**		**5**	**1-3**	
ISK	I	23 11 12 36.0	37.79N	27.06E	10	3.2D			¶97i3490
ISK	**I**	**23 11 15 21.8**	**38.99N**	**27.79E**	**10**	**2.7D**			¶97i3491
ISC	**I**	**23 12 28 54**±1.2	**39.17N**±.084	**27.4E**±.20	**7**		**5**	**1-1**	
ISK	I	23 12 28 54.3	39.19N	27.41E	7	2.7D			¶97i3496
ISC	**I**	**23 14 53 15**±1.2	**36.18N**±.037	**35.96E**±.064	**13**±8.9	**4.0b**	**41**	**0-79**	
ISK	I	23 14 53 12.9	35.98N	36.19E	10	4.0D			¶97i3514
NEIC	I	23 14 53 14.6	36.17N	35.74E	10	4.4b			
EIDC	I	23 14 53 15.8	36.1N	35.5E	0	3.9b			
NEIC		$M_{L4.1}$(JER).							
ISC	**I**	**23 15 51 32**±1.6	**40.8N**±.30	**35.4E**±.30	**10**		**6**	**1-2**	
ISK	I	23 15 51 31.2	40.78N	35.30E	10	3.5D			¶97i3521
ISC		Poorly determined							
ISK	**I**	**23 18 18 29.9**	**40.17N**	**27.70E**	**10**	**2.5D**			¶97i3536
ISC	**I**	**23 20 58 16**±1.4	**38.0N**±.13	**29.0E**±.15	**14**		**4**	**1-2**	
ISK	I	23 20 58 15.8	38.07N	28.95E	14	3.0D			¶97i3548
ISC		Poorly determined							
ISC	**I**	**23 22 15 30**±2.3	**40.4N**±.19	**27.9E**±.27	**11**±16		**6**	**0-1**	
ISK	I	23 22 15 29.7	40.40N	27.87E	10	2.6D			¶97i3556
ISC	**I**	**23 23 58 54**±4.1	**38.0N**±.14	**29.0E**±.41	**7**±51		**5**	**0-2**	
ISK	I	23 23 58 55.0	38.08N	29.02E	12	2.9D			¶97i3568
ISC		Poorly determined							
ISK	**I**	**24 00 01 23.0**	**38.10N**	**28.99E**	**11**	**3.0D**			¶97i3569
ISK	**I**	**24 00 11 16.1**	**38.10N**	**29.18E**	**10**	**2.9D**			¶97i3571
ISC	**I**	**24 00 45 32**±3.5	**38.0N**±.10	**28.9E**±.27	**2**±38		**8**	**1-2**	
ISK	I	24 00 45 32.6	38.04N	29.02E	14	3.1D			¶97i3573
ISC	**I**	**24 05 43 33**±1.5	**37.9N**±.13	**29.1E**±.17	**5**		**5**	**1-2**	
ISK	I	24 05 43 33.5	38.03N	29.06E	5	3.1D			¶97i3606
ISC	**I**	**24 08 33 26**±1.3	**39.1N**±.12	**27.7E**±.19	**10**		**4**	**1-1**	
ISK	I	24 08 33 25.7	39.11N	27.70E	10	2.7D			¶97i3617
ISC		Poorly determined							
ISC	**I**	**24 08 53 33**±1.4	**38.2N**±.12	**27.8E**±.18	**10**		**4**	**0-2**	
ISK	I	24 08 53 33.7	38.22N	27.72E	10	3.0D			¶97i3619
ISC		Poorly determined							
ISK	**I**	**24 09 07 47.7**	**39.25N**	**27.10E**	**10**	**2.7D**			¶97i3624
ISC	**I**	**24 10 53 44**±1.2	**39.1N**±.11	**27.6E**±.18	**10**		**4**	**1-1**	
ISK	I	24 10 53 44.3	39.09N	27.61E	10	2.6D			¶97i3635
ISC		Poorly determined							
ISC	**I**	**24 12 39 17**±1.2	**39.1N**±.11	**27.6E**±.18	**10**		**4**	**1-1**	
ISK	I	24 12 39 17.4	39.15N	27.55E	10	2.6D			¶97i3649
ISC		Poorly determined							
ISK	**I**	**24 12 53 19.5**	**39.16N**	**27.56E**	**10**	**2.7D**			¶97i3654
ISK	**I**	**24 14 11 19.5**	**39.73N**	**29.27E**	**10**	**2.5D**			¶97i3657
ISC	**I**	**24 14 51 18**±1.3	**39.0N**±.11	**27.6E**±.19	**10**		**4**	**1-1**	
ISK	I	24 14 51 17.0	39.08N	27.57E	10	2.6D			¶97i3658
ISC		Poorly determined							
ISK	**I**	**24 22 35 37.7**	**40.71N**	**27.80E**	**10**	**2.6D**			¶97i3696
ISC	**I**	**24 23 34 37**±2.1	**40.8N**±.12	**28.1E**±.23	**1**±16		**7**	**0-1**	
ISK	I	24 23 34 37.3	40.82N	28.07E	5	2.7D			¶97i3704
ISC	**I**	**25 01 04 43**±1.4	**40.45N**±.072	**28.4E**±.14	**10**		**5**	**0-1**	
ISK	I	25 01 04 42.3	40.45N	28.43E	10	2.6D			¶97i3716
ISC	**I**	**25 02 39 12**±1.2	**40.77N**±.078	**28.1E**±.12	**5**±10		**9**	**0-2**	
ISK	I	25 02 39 11.3	40.78N	28.08E	10	2.8D			¶97i3724
ISC	**I**	**25 03 30 41**±2.0	**38.1N**±.11	**29.0E**±.12	**14**±19		**6**	**0-2**	
ISK	I	25 03 30 39.3	38.08N	29.00E	11	3.1D			¶97i3730
ISC	**I**	**25 06 44 55.6**±.90	**38.27N**±.074	**28.8E**±.10	**5**		**7**	**1-2**	
ISK	I	25 06 44 56.0	38.34N	28.92E	5	3.0D			¶97i3761
ISC	**I**	**25 07 10 05.5**±.60	**39.84N**±.046	**28.62E**±.065	**7**		**15**	**0-3**	
ISK	I	25 07 10 05.3	39.83N	28.67E	7	3.1D			¶97i3765
ISC	**I**	**25 07 27 56**±1.2	**39.2N**±.11	**27.6E**±.17	**8**		**4**	**1-1**	
ISK	I	25 07 27 56.1	39.21N	27.53E	8	2.6D			¶97i3770
ISC		Poorly determined							
ISC	**I**	**25 07 56 11**±2.1	**36.0N**±.17	**35.8E**±.31	**1**		**15**	**0-6**	
IPRG	I	25 07 56 16.3±.72	35.8N	35.6E	1	3.1L			¶97i3772
ISC	**I**	**25 08 08 26**±4.3	**40.3N**±.18	**27.2E**±.36	**11**		**5**	**1-1**	
ISK	I	25 08 08 24.9	40.32N	27.07E	11	2.9D			¶97i3774
ISC	**I**	**25 09 04 38**±1.2	**39.1N**±.10	**27.5E**±.17	**10**		**4**	**1-1**	
ISK	I	25 09 04 38.5	39.11N	27.54E	10	2.7D			¶97i3778
ISC		Poorly determined							
ISC	**I**	**25 09 14 49**±1.1	**39.2N**±.10	**27.6E**±.12	**10**		**6**	**1-2**	
ISK	I	25 09 14 48.8	39.28N	27.58E	10	2.7D			¶97i3780
ISC	**I**	**25 10 15 51.8**±.95	**39.36N**±.070	**27.7E**±.11	**5**		**7**	**1-2**	
ISK	I	25 10 15 51.9	39.36N	27.69E	5	2.8D			¶97i3787
ISC	**I**	**25 11 59 29**±1.4	**39.1N**±.13	**27.8E**±.20	**10**		**4**	**1-1**	
ISK	I	25 11 59 29.3	39.07N	27.80E	10	2.7D			¶97i3810
ISC		Poorly determined							
ISC	**I**	**25 13 33 25**±2.0	**40.4N**±.12	**27.6E**±.16	**6**±18		**6**	**0-1**	
ISK	I	25 13 33 24.7	40.41N	27.64E	6	2.7D			¶97i3820
ISK	**I**	**26 01 15 06.0**	**39.28N**	**28.03E**	**10**	**2.6D**			¶97i3867
ISC	**I**	**26 07 03 44**±2.2	**39.07N**±.087	**27.3E**±.23	**9**±15		**6**	**1-2**	
ISK	I	26 07 03 43.9	39.04N	27.11E	10	2.9D			¶97i3903
ISC	**I**	**26 12 16 05**±1.4	**40.2N**±.14	**29.2E**±.11	**10**		**4**	**0-1**	
ISK	I	26 12 16 04.4	40.30N	29.21E	10	2.5D			¶97i3942
ISC		Poorly determined							
ISC	**I**	**26 18 55 23**±2.8	**38.1N**±.12	**28.9E**±.23	**7**±32		**6**	**1-2**	
ISK	I	26 18 55 21.9	38.14N	28.85E	10	3.0D			¶97i3982
ISC	**I**	**26 21 49 10.0**±.85	**37.95N**±.076	**28.97E**±.097	**10**		**8**	**1-3**	
ISK	I	26 21 49 08.8	38.01N	28.99E	10	3.1D			¶97i4005
ISC	**I**	**26 21 57 48**±1.5	**38.03N**±.078	**28.90E**±.096	**3**±14		**8**	**1-2**	
ISK	I	26 21 57 47.1	38.05N	28.93E	10	3.1D			¶97i4006
ISC	**I**	**27 08 36 14**±5.0	**38.8N**±.30	**28.2E**±.49	**10**		**4**	**1-2**	
ISK	I	27 08 36 14.1	38.75N	28.15E	10	2.8D			¶97i4069
ISC		Poorly determined							
ISC	**I**	**27 08 55 46**±1.2	**40.7N**±.11	**29.92E**±.097	**10**±11		**10**	**0-2**	
ISK	I	27 08 55 45.2	40.71N	29.89E	8	3.0D			¶97i4070
ISC	**I**	**27 12 11 31**±1.1	**40.7N**±.11	**35.39E**±.091	**10**		**8**	**1-3**	
ISK	I	27 12 11 29.7	40.72N	35.34E	10	3.6D			¶97i4084
ISK	**I**	**28 05 54 56.3**	**38.05N**	**38.36E**	**10**	**3.6D**			¶97i4172
ISC	**I**	**28 06 30 54**±2.3	**40.7N**±.19	**35.2E**±.18	**5**		**6**	**1-2**	
ISK	I	28 06 30 54.0	40.75N	35.23E	5	3.0D			¶97i4173
ISC		Poorly determined							
ISC	**I**	**28 08 33 10**±1.7	**39.1N**±.12	**27.8E**±.27	**10**		**5**	**1-1**	
ISK	I	28 08 33 09.9	39.15N	27.78E	10	2.7D			¶97i4188
ISC	**I**	**28 10 18 50**±1.3	**39.2N**±.12	**27.9E**±.21	**14**		**5**	**1-1**	
ISK	I	28 10 18 49.5	39.24N	27.82E	14	2.6D			¶97i4199
ISC	**I**	**28 12 38 44**±3.1	**39.2N**±.14	**27.9E**±.29	**12**±32		**5**	**1-1**	
ISK	I	28 12 38 44.2	39.24N	27.80E	14	2.6D			¶97i4210
ISC		Poorly determined							
ISC	**I**	**28 17 26 23**±1.2	**40.6N**±.12	**36.1E**±.17	**8**		**6**	**0-2**	
ISK	I	28 17 26 22.7	40.63N	36.10E	8	3.2D			¶97i4231
ISC	**I**	**28 17 57 02**±1.9	**40.5N**±.16	**28.80E**±.089	**7**		**5**	**0-1**	
ISK	I	28 17 57 01.5	40.55N	28.81E	7	2.5D			¶97i4236
ISC	**I**	**28 18 11 45**±1.4	**38.0N**±.12	**28.9E**±.16	**8**±16		**6**	**1-2**	
ISK	I	28 18 11 44.5	38.08N	28.93E	8	3.0D			¶97i4240
ISC	**I**	**29 03 18 53.3**±.94	**40.40N**±.079	**28.74E**±.079	**6**		**6**	**0-1**	
ISK	I	29 03 18 53.3	40.42N	28.73E	6	2.8D			¶97i4297
ISC	**I**	**29 04 09 17.2**±.80	**38.01N**±.069	**28.97E**±.090	**5**		**8**	**1-2**	
ISK	I	29 04 09 16.9	38.04N	29.02E	5	3.0D			¶97i4303
ISC	**I**	**29 09 24 50**±1.5	**40.5N**±.10	**27.45E**±.096	**3**±15		**8**	**0-2**	
ISK	I	29 09 24 50.2	40.47N	27.49E	6	2.8D			¶97i4329

ISC	**I**	**29 10 28 20**±1.2	**39.2N**±.11	**27.8E**±.15	**10**		**5**	**1-1**	
ISK	I	29 10 28 21.1	39.16N	27.79E	10	2.6D			¶97i4335
ISC	**I**	**29 12 26 14**±1.3	**39.0N**±.11	**27.8E**±.18	**10**		**5**	**1-1**	
ISK	I	29 12 26 14.3	39.03N	27.83E	10	2.6D			¶97i4351
ISC	**I**	**29 22 05 06**±1.2	**40.30N**±.087	**28.28E**±.094	**18**±20		**7**	**0-1**	
ISK	I	29 22 05 04.8	40.31N	28.29E	10	3.0D			¶97i4406
ISC	**I**	**30 00 45 05**±1.4	**39.80N**±.085	**28.7E**±.14	**10**		**4**	**0-1**	
ISK	I	30 00 45 05.0	39.76N	28.60E	10	2.7D			¶97i4422
ISC	Poorly determined								
ISK	**I**	**30 08 35 28.9**	**40.75N**	**35.28E**	**5**	**3.0D**			¶97i4452
ISC	**I**	**30 09 06 47**±3.6	**37.8N**±.20	**29.2E**±.15	**3**±27		**5**	**1-2**	
ISK	I	30 09 06 47.7	37.85N	29.27E	14	3.1D			¶97i4456
ISC	Poorly determined								
ISK	**I**	**30 09 25 22.9**	**37.13N**	**37.49E**	**7**	**3.4D**			¶97i4459
ISC	**I**	**30 09 32 52**±1.5	**39.3N**±.13	**27.6E**±.23	**10**		**4**	**1-1**	
ISK	I	30 09 32 52.5	39.30N	27.68E	10	2.8D			¶97i4460
ISC	Poorly determined								
ISK	**I**	**30 10 09 00.7**	**39.21N**	**27.46E**	**10**	**2.6D**			¶97i4466
ISC	**I**	**30 12 47 43**±1.3	**40.8N**±.14	**29.3E**±.20	**28**±23		**8**	**0-1**	
ISK	I	30 12 47 43.0	40.78N	29.24E	10	2.7D			¶97i4486
ISC	**I**	**30 18 42 28**±2.8	**37.1N**±.20	**28.1E**±.21	**5**		**5**	**0-2**	
ISK	I	30 18 42 27.5	37.15N	28.17E	5	3.2D			¶97i4526
ISK	**I**	**30 19 08 46.8**	**37.15N**	**37.51E**	**10**	**3.0D**			¶97i4532
ISK	**I**	**30 19 55 07.5**	**40.76N**	**35.24E**	**10**	**2.7D**			¶97i4536
ISC	**I**	**30 21 40 13.9**±.54	**39.30N**±.038	**29.33E**±.083	**8**		**17**	**1-3**	
ISK	I	30 21 40 13.4	39.29N	29.27E	8	3.3D			¶97i4544
ATH	**I**	**30 21 55 31.6**	**38.91N**	**28.24E**	**10**	**3.5D**			¶97i4549
ISC	**I**	**31 07 19 13**±1.1	**39.1N**±.10	**27.7E**±.17	**8**		**5**	**1-1**	
ISK	I	31 07 19 12.8	39.16N	27.63E	8	2.6D			¶97i4597
ISC	**I**	**31 10 19 31**±1.1	**39.26N**±.092	**27.6E**±.13	**14**		**5**	**1-1**	
ISK	I	31 10 19 31.1	39.31N	27.57E	14	2.7D			¶97i4611
ISC	**I**	**31 12 30 21**±1.2	**39.1N**±.10	**27.5E**±.17	**5**		**4**	**1-1**	
ISK	I	31 12 30 21.4	39.16N	27.46E	5	2.6D			¶97i4626
ISC	Poorly determined								
ISC	**I**	**31 12 35 44**±1.2	**39.1N**±.10	**27.7E**±.17	**10**		**5**	**1-2**	
ISK	I	31 12 35 44.9	39.06N	27.69E	10	2.6D			¶97i4627
ISK	**I**	**31 13 07 51.9**	**39.22N**	**27.40E**	**10**	**2.7D**			¶97i4631
ISC	**I**	**31 14 52 38**±1.1	**39.10N**±.094	**27.6E**±.17	**10**		**5**	**1-1**	
ISK	I	31 14 52 39.3	39.08N	27.61E	10	2.6D			¶97i4641
ISC	**II**	**01 10 39 04.1**±.56	**40.46N**±.045	**29.26E**±.057	**10**		**21**	**0-5**	
ISK	II	01 10 39 03.5	40.49N	29.27E	7	3.4D			¶97ii0063
NEIC	II	01 10 39 03.9	40.49N	29.29E	10				
NEIC	Single network solution.								
ISC	**II**	**01 14 02 21.5**±.78	**40.45N**±.070	**29.27E**±.066	**10**		**8**	**0-1**	
ISK	II	01 14 02 20.9	40.46N	29.32E	10	2.7D			¶97ii0082
NEIC	II	01 14 02 21.6	40.43N	29.37E	10				
NEIC	Single network solution.								
ISK	**II**	**01 14 16 32.3**	**39.22N**	**27.47E**	**10**	**2.7D**			¶97ii0083
ISK	**II**	**01 15 01 17.8**	**39.28N**	**27.39E**	**5**	**2.6D**			¶97ii0087
ISC	**II**	**02 09 46 56**±1.4	**39.2N**±.14	**27.6E**±.35	**5**		**4**	**1-1**	
ISK	II	02 09 46 56.1	39.21N	27.42E	5	2.8D			¶97ii0207
ISC	Poorly determined								
ISK	**II**	**02 11 46 27.9**	**39.29N**	**27.34E**	**5**	**2.7D**			¶97ii0215
ISC	**II**	**02 22 45 43**±1.3	**40.5N**±.35	**27.2E**±.19	**10**		**5**	**0-1**	
ISK	II	02 22 45 40.0	40.30N	27.04E	10	2.6D			¶97ii0289
ISK	**II**	**03 04 07 20.2**	**39.19N**	**27.59E**	**10**	**2.7D**			¶97ii0315
ISC	**II**	**03 07 51 21.9**±.68	**39.09N**±.053	**26.99E**±.083	**10**		**12**	**1-2**	
NEIC	II	03 07 51 18.6	39.14N	26.54E	10				¶97ii0338
ISK	II	03 07 51 20.0	39.14N	26.81E	5	3.2D			
ATH	II	03 07 51 22.5	39.10N	27.00E	10	3.4D			
NEIC	Poor solution.								
ISK	**II**	**03 09 22 49.7**	**39.25N**	**27.73E**	**10**	**2.7D**			¶97ii0356
ISK	**II**	**03 13 31 37.8**	**39.27N**	**27.37E**	**5**	**2.7D**			¶97ii0380
ISC	**II**	**03 14 04 18**±2.9	**39.79N**±.088	**28.7E**±.36	**10**		**6**	**0-2**	
ISK	II	03 14 04 18.0	39.75N	28.61E	10	2.9D			¶97ii0384
ISK	**II**	**03 14 17 18.7**	**39.23N**	**27.32E**	**12**	**2.7D**			¶97ii0387
ISC	**II**	**03 22 27 22**±1.4	**39.2N**±.12	**27.6E**±.24	**5**		**4**	**1-1**	
ISK	II	03 22 27 21.6	39.26N	27.61E	5	2.7D			¶97ii0434
ISC	Poorly determined								
ISC	**II**	**04 13 45 57**±1.3	**39.96N**±.049	**27.05E**±.064	**4**±11		**21**	**1-4**	
ATH	II	04 13 45 58.9	39.91N	26.99E	5	3.4D			¶97ii0530
ISK	II	04 13 46 00.4	40.02N	27.33E	10	3.2D			
NEIC	II	04 13 46 01.1	40.05N	27.35E	10				
ISC	**II**	**04 13 54 00**±1.2	**39.1N**±.10	**27.6E**±.23	**10**		**5**	**1-1**	
ISK	II	04 13 53 58.3	39.21N	27.38E	10	2.7D			¶97ii0535
ISC	**II**	**05 10 17 27**±1.3	**39.1N**±.15	**27.6E**±.35	**10**		**4**	**1-1**	
ISK	II	05 10 17 25.3	39.20N	27.43E	10	2.7D			¶97ii0671
ISC	Poorly determined								
ISK	**II**	**05 11 09 19.9**	**39.19N**	**27.41E**	**10**	**2.7D**			¶97ii0680
ISK	**II**	**05 14 00 28.7**	**39.26N**	**27.33E**	**5**	**2.7D**			¶97ii0698
ISC	**II**	**05 14 16 34**±3.1	**37.01N**±.082	**28.5E**±.40	**16**±16		**7**	**0-2**	
ATH	II	05 14 16 31.3	37.08N	28.85E	17	3.8D			¶97ii0701
ISC	**II**	**05 22 26 10**±1.5	**39.3N**±.11	**27.5E**±.29	**10**		**6**	**1-2**	
ISK	II	05 22 26 09.3	39.31N	27.38E	5	3.0D			¶97ii0759
NEIC	II	05 22 26 10.5	39.26N	27.48E	10				
NEIC	M_D3.0(ISK), Single network solution.								
ISK	**II**	**06 15 07 59.6**	**39.62N**	**29.44E**	**10**	**2.5D**			¶97ii0858
ISK	**II**	**06 22 02 32.0**	**39.01N**	**27.91E**	**10**	**2.7D**			¶97ii0911
ISC	**II**	**07 09 02 04.5**±.84	**40.71N**±.064	**27.55E**±.059	**12**±7.4		**15**	**0-4**	
ATH	II	07 09 02 04.6	40.60N	27.58E	5	3.5D			¶97ii0972
ISK	II	07 09 02 04.7	40.68N	27.57E	12	3.3D			
NEIC	II	07 09 02 04.9	40.66N	27.55E	10				
ISC	**II**	**07 09 09 04.2**±.96	**40.68N**±.089	**27.37E**±.066	**7**±11		**9**	**1-5**	
NEIC	II	07 09 09 03.9	40.63N	27.30E	10				¶97ii0974
ISK	II	07 09 09 04.8	40.66N	27.43E	5	2.9D			
NEIC	Less reliable solution.								
ISK	**II**	**07 09 25 55.0**	**39.16N**	**27.57E**	**10**	**2.7D**			¶97ii0975
ISK	**II**	**08 01 13 16.6**	**39.40N**	**26.03E**	**5**	**3.0D**			¶97ii1067
ISC	**II**	**08 01 50 49.5**±.94	**37.78N**±.047	**27.66E**±.069	**12**±8.6		**19**	**0-17**	
ISK	II	08 01 50 48.4	37.81N	27.59E	5	3.5D			¶97ii1070
NEIC	II	08 01 50 48.8	37.75N	27.64E	10				
ATH	II	08 01 50 52.5	37.71N	27.52E	17	3.8D			
THE	II	08 01 50 53.4	37.7N	27.4E	26				
NEIC	Less reliable solution.								
ISC	**II**	**08 03 34 07**±2.1	**37.7N**±.14	**27.5E**±.21	**11**		**6**	**0-2**	
ISK	II	08 03 34 06.4	37.68N	27.36E	11	3.1D			¶97ii1086
ISC	**II**	**08 03 45 42.8**±.86	**37.81N**±.049	**27.63E**±.066	**8**±8.6		**19**	**0-15**	
ISK	II	08 03 45 42.2	37.77N	27.58E	15	3.5D			¶97ii1087
THE	II	08 03 45 44.5	37.8N	27.6E	14				
ATH	II	08 03 45 46.0	37.66N	27.50E	16	3.8D			
ISC	**II**	**08 13 12 22.3**±.88	**39.68N**±.061	**28.6E**±.12	**5**		**7**	**0-2**	
ISK	II	08 13 12 22.5	39.66N	28.62E	5	2.8D			¶97ii1145
ISC	**II**	**09 00 55 03**±1.5	**38.14N**±.077	**30.2E**±.13	**3**±14		**11**	**1-3**	
ISK	II	09 00 55 02.9	38.14N	30.10E	8	3.4D			¶97ii1228
NEIC	II	09 00 55 06.5	38.27N	29.82E	10				
NEIC	Poor solution.								
ISC	**II**	**09 06 23 32**±3.1	**40.6N**±.13	**33.7E**±.40	**25**±31		**6**	**1-2**	
									¶97ii1271
ISC	**II**	**09 13 13 50**±1.5	**40.78N**±.097	**27.5E**±.11	**8**±16		**7**	**1-2**	
ISK	II	09 13 13 49.5	40.78N	27.48E	10	2.8D			¶97ii1312
ISC	**II**	**09 15 59 21**±1.1	**40.36N**±.060	**27.21E**±.054	**2**±11		**16**	**0-4**	
ISK	II	09 15 59 20.8	40.34N	27.20E	8	3.2D			¶97ii1330
NEIC	II	09 15 59 24.9	40.27N	27.56E	10				
ATH	II	09 15 59 29.7	40.11N	26.03E	10	3.4D			
ISC	**II**	**09 17 19 11**±1.1	**40.75N**±.082	**29.1E**±.12	**14**±18		**6**	**0-1**	
ISK	II	09 17 19 10.8	40.76N	29.15E	5	2.6D			¶97ii1334
ISK	**II**	**10 04 58 52.5**	**40.51N**	**27.86E**	**12**	**2.5D**			¶97ii1413
ISK	**II**	**10 12 57 45.4**	**39.91N**	**39.60E**	**10**	**2.6D**			¶97ii1463
ISC	**II**	**10 21 53 38**±1.1	**40.7N**±.11	**29.99E**±.091	**9**±9.6		**10**	**0-2**	
ISK	II	10 21 53 37.4	40.74N	29.98E	11	2.8D			¶97ii1528
ISC	**II**	**10 21 54 21**±1.1	**40.72N**±.095	**29.97E**±.092	**7**±9.6		**12**	**0-3**	
ISK	II	10 21 54 21.2	40.74N	29.97E	11	3.1D			¶97ii1529
ISC	**II**	**10 22 31 26**±2.1	**38.6N**±.15	**27.6E**±.30	**6**		**5**	**0-2**	
ISK	II	10 22 31 26.5	38.68N	27.35E	6	2.9D			¶97ii1537
ISC	**II**	**10 23 00 09**±5.6	**40.8N**±.15	**30.2E**±.44	**10**		**7**	**0-2**	
ISK	II	10 23 00 11.7	40.75N	29.97E	10	2.8D			¶97ii1545
ISK	**II**	**10 23 23 50.3**	**40.76N**	**29.88E**	**10**	**2.5D**			¶97ii1551
ISK	**II**	**11 01 06 00.2**	**40.11N**	**27.30E**	**5**	**2.6D**			¶97ii1560
ISC	**II**	**11 04 19 06**±1.1	**40.7N**±.11	**29.9E**±.10	**20**±12		**11**	**0-2**	
NEIC	II	11 04 19 05.3	40.67N	29.97E	10				¶97ii1584
ISK	II	11 04 19 05.5	40.71N	29.95E	10	3.0D			
NEIC	Single network solution.								
ISC	**II**	**11 06 42 00**±3.3	**40.6N**±.18	**35.3E**±.23	**3**±28		**7**	**1-2**	
ISK	II	11 06 42 00.3	40.55N	35.25E	10	3.1D			¶97ii1595
ISC	Poorly determined								
ISK	**II**	**11 14 40 18.0**	**39.68N**	**39.78E**	**15**	**3.1D**			¶97ii1637
ISK	**II**	**11 15 55 19.4**	**40.59N**	**29.77E**	**10**	**2.6D**			¶97ii1642
ISC	**II**	**11 17 39 25**±1.0	**40.74N**±.098	**29.95E**±.099	**22**±10		**15**	**0-3**	
NEIC	II	11 17 39 21.3	40.73N	30.26E	10				¶97ii1653
ISK	II	11 17 39 24.4	40.72N	29.97E	10	3.3D			
NEIC	Poor solution.								
ISC	**II**	**11 19 56 17**±1.5	**38.28N**±.088	**28.1E**±.10	**2**±15		**7**	**1-2**	
ISK	II	11 19 56 17.1	38.29N	28.16E	8	3.0D			¶97ii1668
ISC	**II**	**11 21 13 01**±4.3	**40.7N**±.10	**29.7E**±.51	**7**±19		**5**	**0-1**	
ISK	II	11 21 12 59.0	40.67N	29.85E	10	2.7D			¶97ii1674
ISC	Poorly determined								
ISC	**II**	**12 03 18 58**±2.0	**38.1N**±.14	**29.1E**±.42	**28**±48		**5**	**0-2**	
ISK	II	12 03 18 56.3	38.07N	28.96E	14	3.1D			¶97ii1715
ISC	Poorly determined								
ISK	**II**	**12 10 37 01.9**	**37.72N**	**36.25E**	**5**	**2.9D**			¶97ii1744
ISC	**II**	**12 12 57 51**±1.2	**39.1N**±.11	**27.8E**±.18	**10**		**5**	**1-1**	
ISK	II	12 12 57 52.0	39.03N	27.77E	10	2.7D			¶97ii1761
ISC	**II**	**12 13 08 36**±1.1	**40.72N**±.096	**29.97E**±.088	**11**±8.5		**13**	**0-3**	
NEIC	II	12 13 08 34.8	40.71N	30.05E	10				¶97ii1762
ISK	II	12 13 08 35.2	40.73N	29.97E	11	3.2D			
NEIC	Poor solution.								
ISC	**II**	**12 13 13 53**±2.0	**40.71N**±.080	**29.7E**±.29	**6**±14		**6**	**0-1**	
ISK	II	12 13 13 50.8	40.73N	29.89E	10	2.7D			¶97ii1764
NEIC	II	12 13 13 52.2	40.72N	29.80E	10				
NEIC	Poor solution.								
ISC	**II**	**12 13 16 16**±1.1	**40.75N**±.096	**30.01E**±.088	**10**±8.4		**13**	**0-2**	
ISK	II	12 13 16 16.6	40.72N	29.95E	14	3.1D			¶97ii1765
ISC	**II**	**12 13 57 45.8**±.93	**40.74N**±.052	**30.02E**±.072	**8**±6.5		**26**	**0-6**	
NEIC	II	12 13 57 44.7	40.69N	30.13E	10				¶97ii1770
ISK	II	12 13 57 46.1	40.71N	29.98E	12	3.4D			
ISC	**II**	**12 14 19 08**±4.0	**40.7N**±.10	**29.7E**±.48	**12**±16		**5**	**0-1**	
ISK	II	12 14 19 05.0	40.72N	29.95E	10	2.7D			¶97ii1772
NEIC	II	12 14 19 07.6	40.69N	29.73E	10				
ISC	Poorly determined								
NEIC	Poor solution.								
ISC	**II**	**12 14 21 09**±1.0	**40.70N**±.097	**29.98E**±.089	**13**±8.4		**12**	**0-2**	
NEIC	II	12 14 21 06.1	40.71N	30.26E	10				¶97ii1774
ISK	II	12 14 21 09.3	40.68N	29.96E	14	3.1D			
NEIC	Poor solution.								
ISC	**II**	**12 15 27 56**±1.1	**40.7N**±.11	**29.98E**±.091	**12**±8.4		**11**	**0-2**	
NEIC	II	12 15 27 53.8	40.76N	30.18E	10				¶97ii1780
ISK	II	12 15 27 56.2	40.74N	29.95E	14	3.0D			
NEIC	Poor solution.								
ISC	**II**	**12 15 47 29**±1.1	**40.7N**±.11	**30.00E**±.090	**11**±8.7		**11**	**0-2**	
NEIC	II	12 15 47 26.1	40.75N	30.22E	10				¶97ii1783
ISK	II	12 15 47 28.9	40.74N	29.94E	14	3.0D			
NEIC	Poor solution.								
ISC	**II**	**12 15 49 56**±1.1	**40.7N**±.10	**29.96E**±.092	**14**±8.8		**10**	**0-2**	
NEIC	II	12 15 49 52.7	40.72N	30.20E	10				¶97ii1784
ISK	II	12 15 49 55.5	40.72N	29.95E	10	3.0D			
NEIC	Poor solution.								
ISC	**II**	**12 19 45 22**±1.1	**40.7N**±.10	**30.02E**±.089	**7**±9.3		**12**	**0-2**	
ISK	II	12 19 45 21.9	40.74N	30.00E	10	3.0D			¶97ii1808
NEIC	II	12 19 45 23.0	40.71N	29.94E	10				
NEIC	Poor solution.								
ISC	**II**	**12 20 19 42**±1.4	**40.1N**±.11	**28.3E**±.18	**10**		**4**	**0-1**	
ISK	II	12 20 19 40.7	40.08N	28.42E	10	2.6D			¶97ii1814
ISC	Poorly determined								
ISC	**II**	**12 20 44 09**±5.7	**40.8N**±.14	**30.0E**±.49	**14**		**9**	**0-2**	
ISK	II	12 20 44 09.1	40.73N	29.94E	14	2.8D			¶97ii1816
NEIC	II	12 20 44 11.4	40.70N	29.71E	10				
NEIC	Single network solution.								
ISC	**II**	**12 21 07 09**±1.1	**40.74N**±.097	**30.01E**±.090	**5**±11		**11**	**0-2**	
ISK	II	12 21 07 09.2	40.74N	30.00E	9	3.1D			¶97ii1820
NEIC	II	12 21 07 11.5	40.70N	29.80E	5				
NEIC	Single network solution.								
ISC	**II**	**13 02 50 36**±1.2	**40.7N**±.14	**30.11E**±.094	**6**±12		**8**	**0-2**	
ISK	II	13 02 50 36.4	40.74N	30.10E	11	2.9D			¶97ii1864
ISC	**II**	**13 08 06 06**±1.1	**39.15N**±.094	**27.6E**±.16	**10**		**5**	**1-4**	
ISK	II	13 08 06 05.9	39.07N	27.67E	10	2.7D			¶97ii1888
ISC	**II**	**13 08 35 36**±1.3	**39.40N**±.079	**27.8E**±.15	**5**		**6**	**1-2**	
ISK	II	13 08 35 36.6	39.39N	27.82E	5	2.7D			¶97ii1891
ISK	**II**	**13 10 15 41.1**	**39.53N**	**28.80E**	**10**	**2.5D**			¶97ii1897
ISC	**II**	**13 12 31 32**±1.4	**40.5N**±.13	**29.2E**±.12	**10**		**5**	**0-1**	
ISK	II	13 12 31 31.3	40.42N	29.34E	10	2.7D			¶97ii1920

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**II**	**14 17 33 34**±1.4	**39.03N**±.053	**28.06E**±.079	**2**±13		**14**	**1-3**	
ISK	II	14 17 33 34.2	39.02N	28.04E	8	3.3D			¶97ii2088
NEIC	II	14 17 33 34.3	39.01N	28.05E	10				
ATH	II	14 17 33 35.5	39.09N	28.08E	5	3.6D			
NEIC		Single network solution.							
ISC	**II**	**14 17 54 56**±1.6	**39.0N**±.18	**28.0E**±.31	**10**		**4**	**1-1**	
ISK	II	14 17 54 56.1	39.02N	27.97E	10	2.7D			¶97ii2095
ISC		Poorly determined							
ISC	**II**	**14 20 15 31**±1.6	**40.7N**±.13	**35.4E**±.16	**9**±19		**9**	**1-2**	
ISK	II	14 20 15 31.8	40.83N	35.51E	10	3.4D			¶97ii2107
ISC	**II**	**15 01 38 07.5**±.72	**38.88N**±.051	**29.25E**±.097	**10**		**17**	**1-7**	
ISK	II	15 01 38 06.4	38.88N	29.20E	5	3.5D			¶97ii2153
NEIC	II	15 01 38 06.9	38.86N	29.26E	10				
ATH	II	15 01 38 14.3	39.10N	28.77E	10	3.8D			
ISC	**II**	**15 01 40 53**±1.0	**38.30N**±.055	**40.4E**±.12	**36**±11	**3.8b**	**29**	**0-78**	
ISK	II	15 01 40 50.8	38.38N	40.19E	10	4.2D			¶97ii2156
NEIC	II	15 01 40 53.3	38.39N	40.32E	33				
EIDC	II	15 01 40 57.7	38.4N	40.1E	52	3.6b,2.8L			
ISC	**II**	**15 09 26 18**±1.3	**39.1N**±.15	**27.6E**±.35	**10**		**4**	**1-1**	
ISK	II	15 09 26 17.2	39.05N	27.61E	10	2.7D			¶97ii2205
NEIC	II	15 09 26 17.8	39.14N	27.56E	10				
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**II**	**15 09 58 40**±1.4	**39.1N**±.14	**27.6E**±.35	**10**		**4**	**1-1**	
ISK	II	15 09 58 39.8	39.09N	27.58E	10	2.7D			¶97ii2211
NEIC	II	15 09 58 40.1	39.16N	27.53E	10				
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**II**	**15 11 01 59**±1.5	**39.1N**±.14	**27.5E**±.36	**10**		**4**	**1-1**	
NEIC	II	15 11 01 59.5	39.17N	27.46E	10				¶97ii2219
ISK	II	15 11 01 59.7	39.14N	27.52E	10	2.7D			
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**II**	**15 11 55 19**±1.3	**39.1N**±.15	**27.8E**±.33	**10**		**4**	**1-1**	
ISK	II	15 11 55 19.1	39.13N	27.74E	10	2.8D			¶97ii2227
NEIC	II	15 11 55 19.3	39.15N	27.70E	10				
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**II**	**15 12 46 07**±1.4	**39.2N**±.14	**27.6E**±.35	**10**		**4**	**1-1**	
ISK	II	15 12 46 06.5	39.08N	27.56E	10	2.7D			¶97ii2232
NEIC	II	15 12 46 07.2	39.17N	27.50E	10				
ISC		Poorly determined							
ISC	**II**	**15 15 56 16.1**±.85	**38.09N**±.057	**36.8E**±.16	**64**±11	**3.6b**	**15**	**1-77**	
EIDC	II	15 15 56 09.5	37.9N	36.7E	0	3.7b,3.5L			¶97ii2258
NEIC	II	15 15 56 11.9	37.84N	36.91E	33				
NEIC		MD4.1(ISK), Poor solution.							
ISC	**II**	**16 00 12 03**±3.2	**40.5N**±.22	**28.2E**±.13	**10**		**4**	**0-1**	
ISK	II	16 00 12 03.5	40.45N	28.15E	7	2.5D			¶97ii2315
NEIC	II	16 00 12 03.7	40.47N	28.13E	10				
ISC		Poorly determined							
NEIC		Poor solution.							
ISK	**II**	**16 09 53 25.3**	**39.22N**	**27.45E**	**5**	**2.7D**			¶97ii2360
ISK	**II**	**16 14 00 59.3**	**39.24N**	**27.37E**	**10**	**2.7D**			¶97ii2381
ISC	**II**	**16 19 50 06**±1.1	**38.0N**±.11	**37.7E**±.14	**10**		**5**	**2-4**	
ISK	II	16 19 50 03.5	38.00N	37.79E	10	3.9D			¶97ii2414
ISC	**II**	**16 20 27 26**±1.1	**40.7N**±.11	**29.97E**±.092	**12**±9.0		**10**	**0-2**	
ISK	II	16 20 27 25.5	40.73N	29.98E	14	2.8D			¶97ii2417
ISC	**II**	**16 21 46 09**±7.9	**40.7N**±.15	**30.2E**±.64	**10**		**5**	**0-1**	
ISK	II	16 21 46 12.0	40.70N	29.91E	10	2.6D			¶97ii2428
ISK	**II**	**17 22 18 40.3**	**40.43N**	**27.53E**	**5**	**2.5D**			¶97ii2557
ISC	**II**	**18 08 43 47.9**±.87	**39.42N**±.031	**26.29E**±.037	**11**±6.5	**3.8b**,3.3s	**72**	**0-97**	
ISK	II	18 08 43 45.2	39.48N	26.08E	9	3.7D			¶97ii2619
ATH	II	18 08 43 47.1	39.43N	26.51E	5	3.8L			
NEIC	II	18 08 43 47.4	39.42N	26.28E	10				
EIDC	II	18 08 43 47.7	39.3N	26.3E	0	3.8b,3.6L			
THE	II	18 08 43 48.8	39.4N	26.3E	9	3.8L			
NEIC		Felt at Ayvalik.							
ISK	**II**	**18 11 03 27.3**	**40.77N**	**27.49E**	**10**	**2.6D**			¶97ii2633
ISC	**II**	**18 20 11 48.7**±.69	**36.40N**±.083	**30.80E**±.073	**10**		**16**	**2-10**	
ISK	II	18 20 11 47.7	36.42N	30.84E	5	3.6D			¶97ii2686
NEIC	II	18 20 11 48.7	36.39N	30.82E	10				
NEIC		Less reliable solution.							
ISC	**II**	**19 10 55 34**±1.1	**40.8N**±.11	**29.98E**±.092	**12**±8.9		**10**	**0-2**	
ISK	II	19 10 55 33.8	40.77N	29.98E	10	3.0D			¶97ii2772
NEIC	II	19 10 55 36.3	40.71N	29.76E	10				
NEIC		Single network solution.							
ISC	**II**	**19 10 57 39.6**±.97	**40.74N**±.085	**29.97E**±.096	**24**±9.8		**14**	**0-6**	
NEIC	II	19 10 57 34.7	40.73N	30.35E	10				¶97ii2773
ISK	II	19 10 57 38.9	40.73N	29.97E	10	3.3D			
NEIC		Less reliable solution.							
ISC	**II**	**19 11 07 28**±1.2	**40.7N**±.13	**29.9E**±.10	**11**±15		**7**	**0-1**	
ISK	II	19 11 07 28.0	40.77N	29.97E	8	2.8D			¶97ii2775
ISK	**II**	**19 11 13 13.4**	**40.73N**	**29.84E**	**10**	**2.7D**			¶97ii2777
NEIC	II	19 11 13 15.3	40.71N	29.66E	10				
NEIC		Poor solution.							
ISK	**II**	**19 11 17 53.9**	**40.75N**	**30.02E**	**15**	**2.6D**			¶97ii2778
ISC	**II**	**19 12 39 07**±1.1	**40.7N**±.10	**29.98E**±.093	**14**±9.4		**10**	**0-2**	
ISK	II	19 12 39 07.1	40.70N	29.94E	14	2.9D			¶97ii2792
NEIC	II	19 12 39 09.2	40.68N	29.83E	15				
NEIC		Poor solution.							
ISC	**II**	**19 12 39 38**±1.3	**40.7N**±.15	**30.0E**±.11	**13**±17		**6**	**0-1**	
ISK	II	19 12 39 38.6	40.72N	30.01E	10	2.9D			¶97ii2793
ISC		Poorly determined							
ISC	**II**	**19 13 37 40**±1.1	**40.54N**±.095	**29.89E**±.095	**6**±13		**8**	**0-1**	
ISK	II	19 13 37 39.6	40.58N	29.87E	8	2.9D			¶97ii2798
ISC	**II**	**19 14 39 37**±1.9	**40.7N**±.10	**29.6E**±.26	**10**		**4**	**0-1**	
ISK	II	19 14 39 35.0	40.70N	29.91E	10	2.6D			¶97ii2803
NEIC	II	19 14 39 37.1	40.68N	29.72E	10				
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**II**	**19 18 38 37**±1.1	**40.7N**±.11	**30.00E**±.094	**13**±9.7		**9**	**0-2**	
NEIC	II	19 18 38 33.9	40.76N	30.23E	10				¶97ii2815
ISK	II	19 18 38 36.4	40.73N	29.98E	14	2.8D			
NEIC		Poor solution.							
ISK	**II**	**19 20 16 20.9**	**39.60N**	**28.63E**	**10**	**2.5D**			¶97ii2829
ISC	**II**	**19 20 34 05**±6.3	**40.67N**±.095	**29.9E**±.58	**10**		**6**	**0-1**	
ISK	II	19 20 34 04.7	40.70N	29.88E	10	2.8D			¶97ii2835
ISC	**II**	**19 23 28 43**±1.4	**40.47N**±.071	**28.0E**±.16	**1**±15		**7**	**0-1**	
ISK	II	19 23 28 42.7	40.46N	27.98E	5	2.9D			¶97ii2853
NEIC	II	19 23 28 42.7	40.47N	27.95E	5				
NEIC		Single network solution.							
ISK	**II**	**20 10 06 41.6**	**41.12N**	**35.84E**	**8**	**2.9D**			¶97ii2904
ISC	**II**	**20 19 24 21**±1.3	**40.45N**±.089	**28.9E**±.12	**6**		**4**	**0-1**	
ISK	II	20 19 24 20.6	40.47N	28.92E	6	2.6D			¶97ii2967
NEIC	II	20 19 24 21.0	40.45N	28.89E	10				
ISC		Poorly determined							
NEIC		Poor solution.							
ISC	**II**	**21 11 24 24**±6.4	**40.5N**±.33	**27.9E**±.44	**10**		**4**	**0-1**	
ISK	II	21 11 24 18.9	40.65N	27.57E	10	2.7D			¶97ii3061
ISC		Poorly determined							
ISK	**II**	**21 20 56 52.6**	**40.71N**	**29.97E**	**10**	**2.6D**			¶97ii3123
ISC	**II**	**21 23 08 05**±5.3	**40.9N**±.22	**29.7E**±.45	**11**±11		**6**	**0-2**	
ISK	II	21 23 08 04.0	40.97N	29.82E	11	2.7D			¶97ii3136
ISC	**II**	**22 09 19 26.7**±.78	**39.65N**±.055	**28.71E**±.091	**10**		**11**	**0-2**	
ISK	II	22 09 19 26.1	39.63N	28.73E	7	2.9D			¶97ii3189
NEIC	II	22 09 19 26.8	39.64N	28.71E	10				
NEIC		Single network solution.							
ISK	**II**	**22 12 54 52.4**	**39.02N**	**28.02E**	**5**	**2.8D**			¶97ii3206
ISC	**II**	**22 14 24 11**±5.8	**39.2N**±.36	**28.5E**±.28	**10**		**4**	**0-1**	
ISK	II	22 14 24 13.6	39.40N	28.48E	10	2.6D			¶97ii3216
ISC		Poorly determined							
ISC	**II**	**22 19 39 54**±1.0	**40.71N**±.090	**29.95E**±.086	**11**±8.4		**13**	**0-3**	
ISK	II	22 19 39 53.6	40.71N	29.94E	14	3.1D			¶97ii3241
NEIC	II	22 19 39 56.8	40.70N	29.68E	10				
NEIC		Single network solution.							
ISC	**II**	**23 08 24 33**±1.3	**39.0N**±.14	**27.8E**±.29	**10**		**5**	**1-1**	
ISK	II	23 08 24 32.0	39.11N	27.67E	10	2.7D			¶97ii3308
NEIC	II	23 08 24 33.3	39.06N	27.73E	10				
NEIC		Poor solution.							
ISC	**II**	**23 12 31 01**±1.3	**40.3N**±.18	**28.91E**±.086	**10**		**5**	**0-1**	
ISK	II	23 12 31 00.5	40.41N	28.94E	10	2.6D			¶97ii3329
NEIC	II	23 12 31 01.4	40.39N	28.94E	10				
NEIC		Poor solution.							
ISC	**II**	**23 12 42 54**±1.3	**39.1N**±.14	**27.7E**±.27	**10**		**4**	**1-1**	
ISK	II	23 12 42 53.0	39.15N	27.54E	10	2.7D			¶97ii3330
ISC		Poorly determined							
ISC	**II**	**23 13 20 51**±1.0	**38.79N**±.085	**28.1E**±.11	**10**		**7**	**1-2**	
ISK	II	23 13 20 51.7	38.79N	28.15E	10	2.9D			¶97ii3334
NEIC	II	23 13 20 54.9	39.08N	27.72E	10				
NEIC		Poor solution.							
ISC	**II**	**23 13 58 28.8**±.92	**40.45N**±.069	**26.3E**±.13	**8**		**6**	**0-1**	
ISK	II	23 13 58 30.0	40.39N	26.44E	8	2.8D			¶97ii3336
ISC	**II**	**23 20 57 27**±1.3	**39.51N**±.077	**27.7E**±.14	**10**		**6**	**1-2**	
ISK	II	23 20 57 27.3	39.52N	27.66E	5	2.7D			¶97ii3371
NEIC	II	23 20 57 28.2	39.49N	27.69E	10				
NEIC		Single network solution.							
ISC	**II**	**24 12 03 34**±1.3	**38.0N**±.25	**29.0E**±.26	**3**±35		**7**	**1-2**	
ISK	II	24 12 03 33.8	38.04N	29.00E	8	3.0D			¶97ii3472
NEIC	II	24 12 03 35.5	38.06N	28.84E	10				
NEIC		Single network solution.							
ISK	**II**	**24 13 27 40.7**	**39.00N**	**27.87E**	**10**	**2.8D**			¶97ii3482
ISK	**II**	**24 16 49 29.9**	**37.92N**	**29.16E**	**5**	**3.0D**			¶97ii3509
ISC	**II**	**24 19 18 37**±9.0	**40.7N**±.16	**27.6E**±.79	**5**		**4**	**0-1**	
ISK	II	24 19 18 35.9	40.73N	27.55E	5	2.6D			¶97ii3532
ISC		Poorly determined							
ISC	**II**	**24 20 19 34**±5.4	**40.7N**±.14	**27.7E**±.53	**9**		**4**	**0-1**	
ISK	II	24 20 19 32.9	40.73N	27.60E	9	2.5D			¶97ii3536
ISC		Poorly determined							
ISK	**II**	**25 02 51 37.5**	**40.90N**	**29.41E**	**7**	**2.5D**			¶97ii3572
ISC	**II**	**25 09 27 46**±3.7	**39.3N**±.11	**27.0E**±.60	**10**		**5**	**1-2**	
ISK	II	25 09 27 46.7	39.35N	27.26E	10	2.8D			¶97ii3604
ISC	**II**	**26 02 03 50**±1.3	**40.2N**±.15	**28.3E**±.16	**22**±17		**5**	**0-1**	
ISK	II	26 02 03 48.7	40.17N	28.24E	10	2.7D			¶97ii3728
NEIC	II	26 02 03 49.7	40.15N	28.25E	10				
ISC		Poorly determined							
NEIC		Poor solution.							
ISK	**II**	**26 02 44 13.8**	**40.65N**	**27.48E**	**5**	**2.5D**			¶97ii3733
ISC	**II**	**26 04 20 17**±1.7	**39.19N**±.051	**27.97E**±.063	**10**±14		**18**	**1-3**	
ISK	II	26 04 20 16.7	39.20N	27.92E	11	3.3D			¶97ii3739
NEIC	II	26 04 20 17.1	39.16N	28.03E	10				
ATH	II	26 04 20 17.4	39.26N	28.09E	10	3.6D			
THE	II	26 04 20 18.2	39.2N	28.0E	1				
NEIC		D3.3(ISK), Single network solution.							
ISK	**II**	**26 18 20 20.9**	**39.54N**	**29.25E**	**10**	**2.5D**			¶97ii3838
ISC	**II**	**26 22 44 34**±1.2	**39.2N**±.12	**29.1E**±.24	**5**		**5**	**1-2**	
ISK	II	26 22 44 35.0	39.21N	29.01E	5	2.7D			¶97ii3870
ISC	**II**	**26 23 34 45**±2.2	**39.3N**±.12	**29.1E**±.19	**11**±18		**5**	**0-1**	
ISK	II	26 23 34 44.6	39.33N	29.07E	13	2.8D			¶97ii3876
ISC		Poorly determined							
ISC	**II**	**27 00 41 20**±3.3	**39.3N**±.13	**29.2E**±.32	**9**±25		**5**	**1-1**	
ISK	II	27 00 41 20.0	39.28N	29.10E	5	2.8D			¶97ii3882
ISC		Poorly determined							
ISC	**II**	**27 01 05 50**±1.4	**39.4N**±.12	**29.2E**±.20	**6**		**4**	**0-1**	
ISK	II	27 01 05 50.6	39.35N	29.07E	6	2.7D			¶97ii3884
ISC		Poorly determined							
ISK	**II**	**27 01 13 52.9**	**40.77N**	**27.72E**	**5**	**2.5D**			¶97ii3885
ISC	**II**	**27 01 54 45**±1.1	**39.43N**±.048	**27.90E**±.060	**5**±9.5		**20**	**1-3**	
ISK	II	27 01 54 44.1	39.38N	27.92E	10	3.2D			¶97ii3888
NEIC	II	27 01 54 44.9	39.42N	27.92E	10				
THE	II	27 01 54 58.8	38.7N	26.3E	1				
NEIC		Single network solution.							
ISC	**II**	**27 02 13 05**±1.9	**39.4N**±.13	**29.2E**±.15	**3**±23		**7**	**0-1**	
ISK	II	27 02 13 05.1	39.34N	29.11E	9	2.9D			¶97ii3890
ISC	**II**	**27 06 36 11**±2.1	**40.7N**±.16	**35.4E**±.15	**5**		**7**	**1-2**	
ISK	II	27 06 36 10.8	40.72N	35.37E	5	3.2D			¶97ii3911
ISK	**II**	**27 08 23 28.2**	**41.62N**	**29.52E**	**5**	**2.7D**			¶97ii3925
ISC	**II**	**27 08 25 25**±1.1	**40.7N**±.10	**29.9E**±.10	**19**±14		**12**	**0-3**	
ISK	II	27 08 25 24.1	40.70N	29.95E	10	3.1D			¶97ii3926
NEIC	II	27 08 25 28.3	40.64N	29.54E	10				
NEIC		Single network solution.							
ISC	**II**	**27 08 58 42**±1.4	**40.7N**±.14	**29.9E**±.12	**9**±17		**6**	**1-1**	
ISK	II	27 08 58 41.4	40.74N	29.96E	14	2.8D			¶97ii3935
ISC		Poorly determined							
ISC	**II**	**27 13 28 39**±1.9	**40.2N**±.25	**29.3E**±.26	**25**±23		**5**	**0-1**	
ISK	II	27 13 28 37.2	40.30N	29.57E	10	2.6D			¶97ii3961
NEIC	II	27 13 28 40.0	40.24N	29.25E	10				
ISC		Poorly determined							
NEIC		Poor solution.							

ISC	**II**	**27 13 33 02**±2.7	**39.6N**±.18	**28.7E**±.17	**9**±16		**5**	**0-1**	
NEIC	II	27 13 32 58.9	39.34N	28.68E	10			¶97ii3962	
ISK	II	27 13 32 59.0	39.38N	28.67E	15	2.7D			
ISC	Poorly determined								
NEIC	Poor solution.								
ISC	**II**	**27 13 43 36**±1.3	**39.1N**±.16	**27.8E**±.33	**11**		**4**	**1-1**	
ISK	II	27 13 43 36.4	39.15N	27.64E	11	2.8D		¶97ii3964	
ISC	Poorly determined								
ISC	**II**	**27 14 12 37**±2.7	**41.1N**±.27	**28.8E**±.13	**5**		**4**	**0-1**	
ISK	II	27 14 12 35.4	41.25N	28.85E	5	2.7D		¶97ii3967	
ISC	Poorly determined								
ISC	**II**	**27 14 34 24**±1.3	**39.1N**±.15	**27.6E**±.35	**10**		**4**	**1-1**	
ISK	II	27 14 34 23.0	38.97N	27.63E	10	2.7D		¶97ii3970	
ISC	Poorly determined								
ISC	**II**	**27 21 59 01**±1.5	**39.4N**±.10	**27.9E**±.18	**9**		**4**	**1-1**	
ISK	II	27 21 59 00.8	39.36N	27.93E	9	2.7D		¶97ii4030	
ISC	Poorly determined								
ISC	**II**	**28 00 03 52.2**±.72	**40.73N**±.018	**35.36E**±.021	**5**±4.8	**4.8b,5.0s**	**334**	**1-126**	
BJI	II	28 00 03 51.7	40.73N	35.30E	9	5.0b,5.3s		¶97ii4068	
ISK	II	28 00 03 52.3	40.68N	35.30E	5	4.7D			
MOS	II	28 00 03 52.7	40.8N	35.4E	10	5.3b,4.2s			
NEIC	II	28 00 03 52.7	40.73N	35.38E	10	4.8b			
EIDC	II	28 00 03 53.1	40.8N	35.3E	0	4.6b,4.6L			
NEIC	Slight damage to houses in Corum. Felt in Amasya, Ankara, Cankiri, Corum, Kastamonu, Kayseri, Samsun, Sinop and Tokat.								
ISC	**II**	**28 00 11 55**±2.3	**40.6N**±.17	**35.3E**±.16	**10**		**7**	**1-2**	
ISK	II	28 00 11 56.5	40.80N	35.46E	10	3.2D		¶97ii4070	
ISC	**II**	**28 00 13 23.7**±.70	**40.71N**±.063	**35.41E**±.089	**5**		**11**	**1-4**	
ISK	II	28 00 13 23.1	40.72N	35.39E	5	3.8D		¶97ii4072	
ISC	**II**	**28 00 20 56**±1.3	**39.39N**±.090	**27.9E**±.17	**10**		**5**	**1-2**	
ISK	II	28 00 20 57.2	39.39N	27.97E	10	3.1D		¶97ii4074	
ISC	**II**	**28 00 21 50**±1.1	**40.70N**±.083	**35.3E**±.12	**5**		**9**	**1-3**	
ISK	II	28 00 21 49.9	40.70N	35.32E	5	3.9D		¶97ii4076	
ISK	**II**	**28 03 47 52.7**	**40.68N**	**35.39E**	**10**	**3.1D**		¶97ii4122	
ISK	**II**	**28 03 55 44.0**	**40.71N**	**35.48E**	**10**	**3.7D**		¶97ii4124	
ISK	**II**	**28 07 09 22.5**	**40.71N**	**35.36E**	**6**	**3.2D**		¶97ii4164	
ISK	**II**	**28 07 42 57.8**	**40.68N**	**35.41E**	**10**	**3.2D**		¶97ii4168	
ISK	**II**	**28 08 12 02.3**	**40.68N**	**35.42E**	**10**	**3.1D**		¶97ii4178	
ISK	**II**	**28 08 20 29.5**	**40.79N**	**27.91E**	**10**	**3.0D**		¶97ii4181	
ISC	**II**	**28 21 54 46**±1.2	**40.64N**±.099	**29.1E**±.13	**6**±23		**7**	**0-1**	
ISK	II	28 21 54 46.3	40.65N	29.16E	5	2.7D		¶97ii4347	
NEIC	II	28 21 54 46.6	40.67N	29.17E	10				
NEIC	Single network solution.								
ISC	**II**	**28 23 22 07**±1.6	**40.7N**±.13	**35.4E**±.12	**5**		**7**	**1-1**	
ISK	II	28 23 22 05.8	40.68N	35.36E	5	3.2D		¶97ii4362	
ISC	**III**	**01 10 05 19**±2.4	**40.12N**±.081	**30.3E**±.27	**6**		**13**	**1-5**	
ISK	III	01 10 05 16.7	40.06N	30.46E	6	3.0D		¶97iii0089	
NEIC	III	01 10 05 17.3	40.05N	30.41E	5				
NEIC	Poor solution.								
ISC	**III**	**01 14 27 52**±4.9	**40.7N**±.15	**30.5E**±.42	**5**		**6**	**1-2**	
NEIC	III	01 14 27 51.9	40.65N	30.45E	5			¶97iii0125	
ISK	III	01 14 27 52.4	40.68N	30.43E	15	2.9D			
NEIC	Poor solution.								
ISC	**III**	**01 20 21 44.2**±.74	**40.45N**±.059	**29.08E**±.069	**5**		**8**	**0-2**	
ISK	III	01 20 21 43.9	40.46N	29.12E	5	2.8D		¶97iii0179	
NEIC	III	01 20 21 44.0	40.44N	29.10E	5				
NEIC	Single network solution.								
ISC	**III**	**01 21 31 42.9**±.92	**40.74N**±.082	**35.4E**±.10	**0**		**7**	**1-2**	
								¶97iii0190	
EIDC	**III**	**02 02 35 37.8**	**40.4N**	**41.1E**	**0**	3.3b,2.2L		**3-23**	
								¶97iii0229	
ISK	**III**	**02 04 19 07.3**	**39.40N**	**27.89E**	**5**	**2.7D**		¶97iii0240	
ISC	**III**	**02 04 34 18.9**±.63	**39.39N**±.049	**27.97E**±.069	**5**		**17**	**1-5**	
ISK	III	02 04 34 18.2	39.36N	27.95E	6	3.2D		¶97iii0242	
NEIC	III	02 04 34 18.3	39.34N	27.98E	5				
NEIC	Single network solution.								
ISC	**III**	**02 06 45 13**±1.4	**39.4N**±.11	**27.9E**±.18	**10**		**4**	**1-1**	
ISK	III	02 06 45 12.4	39.32N	27.96E	10	2.7D		¶97iii0254	
ISC	Poorly determined								
ISC	**III**	**02 12 54 04**±2.6	**39.14N**±.083	**27.6E**±.14	**5**±25		**8**	**1-2**	
ISK	III	02 12 54 03.7	39.19N	27.41E	5	2.7D		¶97iii0312	
NEIC	III	02 12 54 04.4	39.13N	27.56E	5				
NEIC	Poor solution.								
ISC	**III**	**02 14 59 58**±1.3	**39.70N**±.049	**29.10E**±.093	**5**±10		**19**	**0-3**	
ISK	III	02 14 59 57.9	39.68N	29.06E	12	3.2D		¶97iii0335	
NEIC	III	02 14 59 58.1	39.67N	29.09E	10				
ATH	III	02 15 00 10.0	39.36N	28.50E	10	3.5D			
NEIC	Single network solution.								
ISC	**III**	**02 23 59 14**±5.2	**40.7N**±.13	**29.8E**±.48	**5**		**6**	**0-1**	
ISK	III	02 23 59 13.4	40.79N	29.87E	5	2.7D		¶97iii0428	
NEIC	III	02 23 59 14.9	40.73N	29.75E	5				
NEIC	Single network solution.								
ISK	**III**	**03 02 51 55.4**	**39.47N**	**28.60E**	**10**	**2.7D**		¶97iii0457	
ISC	**III**	**03 06 13 01**±1.5	**39.4N**±.10	**27.9E**±.18	**6**		**4**	**1-1**	
ISK	III	03 06 13 01.8	39.37N	27.93E	6	2.7D		¶97iii0492	
ISC	Poorly determined								
ISK	**III**	**03 12 45 40.3**	**39.22N**	**26.55E**	**10**	**2.7D**		¶97iii0574	
ISK	**III**	**03 15 40 59.0**	**39.46N**	**28.43E**	**10**	**2.5D**		¶97iii0631	
ISC	**III**	**03 18 28 29**±1.3	**39.05N**±.078	**27.9E**±.15	**12**±12		**9**	**1-3**	
ISK	III	03 18 28 29.1	39.10N	27.93E	8	2.7D		¶97iii0658	
NEIC	III	03 18 28 29.4	39.08N	27.94E	10				
NEIC	Single network solution.								
ISC	**III**	**03 19 01 31.8**±.91	**40.9N**±.10	**35.6E**±.14	**33**		**6**	**0-2**	
								¶97iii0663	
ISC	**III**	**04 01 27 45**±1.1	**40.75N**±.099	**29.98E**±.089	**7**±9.0		**12**	**0-2**	
ISK	III	04 01 27 44.8	40.74N	29.97E	9	2.9D		¶97iii0743	
NEIC	III	04 01 27 46.5	40.71N	29.84E	10				
NEIC	Single network solution.								
ISC	**III**	**04 08 24 23**±3.3	**39.0N**±.32	**27.8E**±.90	**10**		**4**	**1-1**	
ISK	III	04 08 24 22.1	39.11N	27.70E	10	2.7D		¶97iii0812	
ISC	Poorly determined								
ISC	**III**	**04 09 01 50**±3.5	**37.3N**±.38	**40.8E**±.43	**33**	**3.7b**	**7**	**6-79**	
EIDC	III	04 09 01 44.8	36.9N	40.8E	0	3.9b		¶97iii0817	
ISC	**III**	**04 14 23 00.9**±.77	**39.29N**±.059	**40.72E**±.068	**46**±7.7	**4.1b**,4.5s	**55**	**1-77**	
NEIC	III	04 14 22 54.2	39.16N	41.05E	10	4.2b		¶97iii0860	
BJI	III	04 14 22 54.5	38.71N	40.70E	13	4.7b			
MOS	III	04 14 22 58.2	39.4N	40.7E	10	4.4b			
ISK	III	04 14 22 59.7	39.27N	40.65E	10	6.0D			
EIDC	III	04 14 23 20.7	39.3N	39.9E	211	3.6b			
NEIC	Less reliable solution.								
NEIC	Felt in Bingol, Erzurum and Tunceli.								
ISC	**III**	**04 15 05 46**±1.3	**39.1N**±.13	**27.7E**±.27	**10**		**4**	**1-1**	
ISK	III	04 15 05 44.4	39.16N	27.55E	10	2.7D		¶97iii0873	
ISC	Poorly determined								
ISC	**III**	**05 12 17 42.5**±.76	**38.94N**±.062	**27.9E**±.11	**8**		**8**	**1-1**	
ISK	III	05 12 17 42.0	38.95N	27.81E	8	2.9D		¶97iii1055	
NEIC	III	05 12 17 42.5	38.90N	27.90E	10				
NEIC	Poor solution.								
ISC	**III**	**05 12 54 52**±1.1	**39.1N**±.12	**27.8E**±.27	**10**		**5**	**1-1**	
ISK	III	05 12 54 51.2	39.06N	27.76E	10	2.7D		¶97iii1061	
NEIC	III	05 12 54 52.3	39.17N	27.64E	10				
NEIC	Poor solution.								
ISC	**III**	**06 12 47 43.1**±.82	**40.73N**±.074	**35.37E**±.083	**10**		**10**	**1-3**	
ISK	III	06 12 47 43.2	40.78N	35.42E	10	3.4D		¶97iii1269	
ISC	**III**	**06 13 22 50**±7.4	**39.7N**±.39	**29.4E**±.14	**7**±35		**6**	**1-2**	
								¶97iii1275	
NEIC	**III**	**06 23 28 37.7**	**39.11N**	**43.66E**	**10**			**2-54**	
EIDC	III	06 23 28 49.5	38.6N	41.5E	0	3.6b,3.0L		¶97iii1373	
NEIC	Poor solution.								
ISC	**III**	**07 00 57 18**±1.0	**40.77N**±.096	**35.4E**±.13	**33**		**7**	**1-3**	
								¶97iii1387	
ISK	**III**	**07 07 31 09.9**	**39.65N**	**29.43E**	**10**	**2.5D**		¶97iii1457	
NEIC	III	07 07 31 09.1	39.57N	29.57E	10				
NEIC	Poor solution.								
ISC	**III**	**07 07 44 48**±1.3	**39.1N**±.16	**27.8E**±.34	**10**		**4**	**1-1**	
ISK	III	07 07 44 48.3	39.15N	27.63E	12	2.7D		¶97iii1461	
NEIC	III	07 07 44 48.7	39.12N	27.65E	10				
ISC	Poorly determined								
NEIC	Poor solution.								
ISC	**III**	**07 09 20 56**±1.0	**39.11N**±.087	**27.6E**±.16	**10**		**6**	**1-1**	
ISK	III	07 09 20 55.5	39.05N	27.63E	10	2.8D		¶97iii1488	
NEIC	III	07 09 20 55.9	39.13N	27.56E	10				
NEIC	Poor solution.								
ISC	**III**	**07 14 01 54**±2.3	**40.6N**±.27	**27.6E**±.13	**6**±31		**6**	**0-1**	
ISK	III	07 14 01 55.3	40.48N	27.65E	12	2.6D		¶97iii1529	
NEIC	III	07 14 01 57.3	40.48N	27.83E	10				
NEIC	Poor solution.								
ISK	**III**	**08 01 09 35.5**	**40.46N**	**28.56E**	**10**	**2.5D**		¶97iii1634	
ISC	**III**	**08 02 20 21**±1.2	**40.94N**±.077	**28.1E**±.10	**12**±9.1		**9**	**0-2**	
ISK	III	08 02 20 20.4	40.99N	28.07E	10	2.8D		¶97iii1644	
NEIC	III	08 02 20 21.4	40.93N	28.13E	10				
NEIC	Single network solution.								
ISC	**III**	**08 07 43 33**±1.1	**39.12N**±.094	**27.6E**±.17	**10**		**5**	**1-1**	
ISK	III	08 07 43 33.8	39.11N	27.64E	10	2.6D		¶97iii1700	
ISC	**III**	**08 08 09 43**±1.1	**39.12N**±.097	**27.7E**±.17	**10**		**5**	**1-1**	
ISK	III	08 08 09 44.1	39.09N	27.68E	10	2.7D		¶97iii1706	
ISC	**III**	**08 08 19 35**±2.5	**39.2N**±.12	**27.2E**±.45	**10**		**4**	**1-1**	
ISK	III	08 08 19 33.7	39.22N	27.19E	10	2.7D		¶97iii1709	
ISC	Poorly determined								
ISC	**III**	**08 08 40 18**±1.5	**39.1N**±.13	**27.5E**±.36	**10**		**4**	**1-1**	
ISK	III	08 08 40 17.8	39.15N	27.52E	10	2.7D		¶97iii1715	
ISC	Poorly determined								
ISC	**III**	**08 08 57 18**±1.6	**39.1N**±.13	**27.5E**±.37	**10**		**4**	**1-1**	
ISK	III	08 08 57 16.6	39.02N	27.42E	10	2.6D		¶97iii1717	
ISC	Poorly determined								
ISK	**III**	**08 09 59 09.7**	**39.10N**	**27.75E**	**10**	**2.7D**		¶97iii1728	
ISK	**III**	**08 10 03 22.9**	**39.54N**	**29.58E**	**10**	**2.7D**		¶97iii1730	
ISC	**III**	**08 14 23 28**±1.1	**39.2N**±.10	**27.8E**±.17	**11**		**5**	**1-1**	
ISK	III	08 14 23 28.2	39.27N	27.70E	11	2.7D		¶97iii1766	
ISK	**III**	**08 15 04 56.1**	**39.72N**	**29.48E**	**10**	**2.5D**		¶97iii1775	
ISC	**III**	**08 23 01 58**±3.3	**40.8N**±.25	**35.4E**±.12	**5**		**6**	**1-2**	
ISK	III	08 23 01 58.2	40.78N	35.44E	5	2.9D		¶97iii1855	
ISK	**III**	**09 09 10 37.0**	**38.95N**	**27.62E**	**10**	**2.8D**		¶97iii1939	
ISK	**III**	**09 09 42 03.0**	**37.13N**	**29.21E**	**10**	**3.0D**		¶97iii1940	
ISK	**III**	**09 10 23 36.8**	**36.08N**	**35.90E**	**12**	**2.8D**		¶97iii1942	
ISC	**III**	**09 12 17 17**±1.2	**39.1N**±.10	**27.7E**±.18	**15**		**5**	**1-1**	
ISK	III	09 12 17 17.1	39.14N	27.68E	15	2.7D		¶97iii1956	
ISC	**III**	**09 12 51 57**±1.1	**40.2N**±.10	**28.75E**±.090	**10**		**5**	**0-1**	
ISK	III	09 12 51 57.0	40.18N	28.74E	10	2.5D		¶97iii1968	
ISC	**III**	**09 14 18 29.6**±.87	**38.49N**±.069	**28.7E**±.10	**10**		**7**	**1-2**	
ISK	III	09 14 18 28.4	38.48N	28.64E	10	2.8D		¶97iii1985	
ISK	**III**	**09 15 04 39.9**	**39.68N**	**29.44E**	**10**	**2.6D**		¶97iii1992	
ISC	**III**	**09 23 46 23**±2.0	**38.9N**±.16	**28.7E**±.29	**10**		**6**	**1-2**	
ISK	III	09 23 46 22.0	38.87N	28.63E	10	2.8D		¶97iii2114	
ISC	**III**	**10 01 49 26**±2.4	**40.6N**±.11	**27.3E**±.16	**6**±14		**8**	**1-2**	
ISK	III	10 01 49 25.8	40.64N	27.35E	7	2.8D		¶97iii2126	
NEIC	III	10 01 49 28.3	40.59N	27.54E	10				
NEIC	Poor solution.								
ISK	**III**	**10 07 30 44.5**	**39.64N**	**29.41E**	**5**	**2.5D**		¶97iii2166	
ISC	**III**	**10 08 53 13.0**±.94	**39.11N**±.079	**27.6E**±.15	**12**		**7**	**1-2**	
ISK	III	10 08 53 12.7	39.12N	27.60E	12	2.8D		¶97iii2180	
ISC	**III**	**10 10 23 46**±1.1	**39.08N**±.096	**27.6E**±.17	**10**		**5**	**1-1**	
ISK	III	10 10 23 47.1	39.12N	27.64E	10	2.6D		¶97iii2193	
ISK	**III**	**10 11 01 19.1**	**39.69N**	**29.50E**	**10**	**2.5D**		¶97iii2199	
ISC	**III**	**10 14 15 29**±1.5	**39.1N**±.11	**27.6E**±.26	**10**		**4**	**1-1**	
ISK	III	10 14 15 27.4	39.13N	27.63E	10	2.7D		¶97iii2225	
ISC	Poorly determined								
ISK	**III**	**10 18 12 04.8**	**38.50N**	**37.43E**	**10**	**3.1D**		¶97iii2255	
ISK	**III**	**10 19 37 50.7**	**38.66N**	**37.82E**	**10**	**2.8D**		¶97iii2261	
ISK	**III**	**10 22 42 36.8**	**38.50N**	**37.44E**	**10**	**2.9D**		¶97iii2272	
ISC	**III**	**10 23 19 16**±2.6	**40.8N**±.12	**27.5E**±.18	**7**±16		**7**	**1-2**	
ISK	III	10 23 19 17.2	40.72N	27.54E	14	2.9D		¶97iii2278	
ISC	**III**	**10 23 26 11.8**±.72	**36.3N**±.12	**31.4E**±.10	**11**		**10**	**1-4**	
ISK	III	10 23 26 11.5	36.33N	31.39E	11	3.5D		¶97iii2281	
ISC	**III**	**11 08 07 46**±1.3	**39.1N**±.10	**27.6E**±.19	**10**		**4**	**1-1**	
ISK	III	11 08 07 47.0	39.09N	27.59E	10	2.6D		¶97iii2342	
ISC	Poorly determined								
ISC	**III**	**11 09 45 49**±1.4	**39.14N**±.096	**27.5E**±.27	**10**		**4**	**1-1**	
ISK	III	11 09 45 48.2	39.17N	27.56E	10	2.8D		¶97iii2352	
ISC	Poorly determined								
ISC	**III**	**11 12 13 20**±1.1	**39.14N**±.091	**27.6E**±.14	**10**		**5**	**1-1**	
ISK	III	11 12 13 19.8	39.06N	27.60E	10	2.8D		¶97iii2373	
ISK	**III**	**11 14 17 20.7**	**38.96N**	**28.14E**	**14**	**2.7D**		¶97iii2390	
ISK	**III**	**11 22 49 37.1**	**40.67N**	**30.23E**	**10**	**2.3D**		¶97iii2451	
ISC	**III**	**12 01 31 48**±1.8	**40.7N**±.22	**30.5E**±.11	**5**		**5**	**1-2**	
ISK	III	12 01 31 47.8	40.67N	30.48E	5	2.7D		¶97iii2465	
ISC	Poorly determined								
ISC	**III**	**12 03 12 06.8**±.95	**38.09N**±.073	**28.9E**±.11	**13**		**8**	**1-2**	
ISK	III	12 03 12 07.1	38.12N	28.98E	13	3.1D		¶97iii2471	
ISC	**III**	**12 06 40 50**±1.2	**40.07N**±.086	**28.1E**±.11	**9**±12		**6**	**0-1**	
ISK	III	12 06 40 49.2	40.04N	28.11E	10	2.9D		¶97iii2488	
NEIC	III	12 06 40 49.2	40.02N	28.06E	10				

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Poor solution.						
ISC	**III 12 08 01 18**±1.4	**39.0N**±.12	**27.9E**±.19	**10**		**5**	**1-1**
ISK	III 12 08 01 18.0	38.99N	27.86E	10	2.7D		**¶97iii2495**
ISC	**III 12 09 36 24**±1.5	**37.7N**±.14	**28.9E**±.13	**25**±24		**5**	**1-1**
ISK	III 12 09 36 23.6	37.65N	28.92E	10	2.9D		**¶97iii2507**
ISC	Poorly determined						
ISC	**III 12 11 56 48**±6.1	**39.7N**±.31	**29.4E**±.38	**10**		**4**	**1-1**
ISK	III 12 11 56 46.2	39.63N	29.47E	10	2.7D		**¶97iii2530**
ISC	Poorly determined						
ISK	**III 12 13 17 09.4**	**39.67N**	**29.51E**	**10**	**2.5D**		**¶97iii2542**
ISC	**III 12 16 23 28**±1.1	**39.12N**±.094	**27.6E**±.15	**10**		**5**	**1-1**
ISK	III 12 16 23 27.2	39.02N	27.71E	10	2.7D		**¶97iii2556**
ISC	**III 13 00 29 26.1**±.70	**38.31N**±.050	**27.82E**±.095	**10**		**11**	**0-3**
NEIC	III 13 00 29 26.5	38.36N	27.80E	10			**¶97iii2612**
ISK	III 13 00 29 27.3	38.36N	27.65E	10	3.2D		
NEIC	Single network solution.						
ISC	**III 13 02 59 43**±1.7	**39.98N**±.054	**39.97E**±.053	**26**±14	**4.1b,3.5s**	**71**	**1-76**
BJI	III 13 02 59 38.9	39.60N	39.98E	14			**¶97iii2632**
NEIC	III 13 02 59 40.4	39.99N	39.95E	10	4.3b		
EIDC	III 13 02 59 40.6	40.0N	39.9E	0	4.1b,3.6s		
MOS	III 13 02 59 41.2	40.0N	39.9E	10	4.5b		
ISK	III 13 02 59 44.6	39.77N	40.04E	10	4.2D		
ISK	**III 13 03 44 13.0**	**36.96N**	**30.51E**	**10**	**2.9D**		**¶97iii2639**
ISC	**III 13 08 01 32**±1.1	**39.17N**±.090	**27.6E**±.16	**10**		**5**	**1-1**
ISK	III 13 08 01 31.4	39.11N	27.63E	10	2.7D		**¶97iii2670**
ISK	**III 13 09 51 15.0**	**38.99N**	**27.66E**	**10**	**2.6D**		**¶97iii2682**
ISC	**III 13 11 51 06**±1.5	**39.0N**±.11	**27.6E**±.27	**10**		**4**	**1-1**
ISK	III 13 11 51 04.9	39.07N	27.62E	10	2.7D		**¶97iii2694**
ISC	Poorly determined						
ISK	**III 13 12 30 57.3**	**39.24N**	**28.42E**	**11**	**2.7D**		**¶97iii2703**
ISC	**III 13 13 07 26**±1.1	**39.13N**±.093	**27.6E**±.16	**10**		**5**	**1-1**
ISK	III 13 13 07 24.8	39.16N	27.55E	10	2.7D		**¶97iii2708**
ISC	**III 13 13 56 27.9**±.73	**36.68N**±.098	**31.0E**±.13	**10**		**17**	**1-7**
NEIC	III 13 13 56 27.0	36.77N	31.02E	10			**¶97iii2713**
ISK	III 13 13 56 27.9	37.40N	31.28E	10	3.5D		
NEIC	Less reliable solution.						
ISK	**III 13 14 16 45.3**	**40.99N**	**29.35E**	**10**	**2.6D**		**¶97iii2715**
ISK	**III 13 15 02 22.0**	**39.06N**	**27.86E**	**6**	**2.7D**		**¶97iii2730**
ISC	**III 13 15 58 09**±1.3	**39.1N**±.15	**27.8E**±.33	**10**		**4**	**1-1**
ISK	III 13 15 58 09.0	39.16N	27.64E	10	2.6D		**¶97iii2731**
ISC	Poorly determined						
ISK	**III 13 23 40 20.6**	**40.82N**	**35.23E**	**10**	**3.1D**		**¶97iii2781**
ISC	**III 14 06 29 58**±1.4	**39.2N**±.12	**27.6E**±.26	**10**		**4**	**1-1**
ISK	III 14 06 29 57.0	39.22N	27.43E	10	2.7D		**¶97iii2823**
ISC	Poorly determined						
ISK	**III 14 07 02 59.9**	**37.99N**	**29.50E**	**7**	**3.0D**		**¶97iii2827**
ISC	**III 14 07 04 29.0**±.67	**38.05N**±.055	**28.91E**±.082	**10**		**10**	**1-2**
ISK	III 14 07 04 27.1	38.07N	28.89E	10	3.2D		**¶97iii2829**
NEIC	III 14 07 04 29.8	38.05N	28.77E	10			
NEIC	Single network solution.						
ISC	**III 14 08 44 51**±1.0	**39.11N**±.086	**27.6E**±.16	**12**		**6**	**1-1**
ISK	III 14 08 44 50.9	39.14N	27.55E	12	2.8D		**¶97iii2840**
NEIC	III 14 08 44 51.1	39.16N	27.49E	10			
NEIC	Poor solution.						
ISC	**III 14 09 51 18**±1.4	**39.1N**±.10	**27.5E**±.24	**12**		**4**	**1-1**
ISK	III 14 09 51 17.6	39.17N	27.52E	12	2.7D		**¶97iii2851**
ISC	Poorly determined						
ISC	**III 14 09 55 41**±1.1	**39.10N**±.096	**27.7E**±.17	**10**		**5**	**1-1**
ISK	III 14 09 55 41.9	39.11N	27.66E	10	2.7D		**¶97iii2852**
ISC	**III 14 11 45 16**±1.3	**38.11N**±.029	**28.96E**±.039	**6**±9.4	**4.0b**,3.8s	**102**	**0-91**
ISK	III 14 11 45 15.7	38.09N	28.94E	13	4.0D		**¶97iii2863**
NEIC	III 14 11 45 15.7	38.11N	29.01E	10	4.1b		
EIDC	III 14 11 45 16.3	38.2N	29.3E	0	4.0b,3.6L		
ATH	III 14 11 45 16.6	38.15N	28.96E	5	4.3L		
MOS	III 14 11 45 17.2	38.2N	28.8E	10	4.3b		
THE	III 14 11 45 20.4	38.1N	28.9E	39	4.4L		
NEIC	Felt in Denizli.						
ISC	**III 14 11 48 17.7**±.43	**38.12N**±.037	**28.89E**±.057	**10**	**3.7b**	**33**	**1-76**
ISK	III 14 11 48 15.1	38.11N	29.02E	10	3.9D		**¶97iii2865**
NEIC	III 14 11 48 17.9	38.12N	28.80E	10	3.9b		
EIDC	III 14 11 48 19.2	38.1N	28.7E	0	3.6b,3.9L		
ATH	III 14 11 48 20.8	38.11N	28.75E	95			
THE	III 14 11 48 22.1	38.1N	28.7E	49	3.5L		
NEIC	Felt in Denizli.						
ISC	**III 14 11 56 40.5**±.76	**38.13N**±.068	**28.93E**±.083	**5**		**8**	**1-2**
ISK	III 14 11 56 40.2	38.15N	28.96E	5	2.9D		**¶97iii2866**
ISC	**III 14 11 58 27**±1.4	**38.0N**±.14	**29.0E**±.16	**10**		**4**	**1-2**
ISK	III 14 11 58 27.2	38.01N	29.08E	10	3.0D		**¶97iii2867**
ISC	Poorly determined						
ISC	**III 14 11 59 30.8**±.66	**38.12N**±.054	**28.89E**±.080	**10**		**10**	**1-2**
NEIC	III 14 11 59 29.3	38.07N	29.18E	10			**¶97iii2868**
ISK	III 14 11 59 30.2	38.12N	28.89E	5	3.1D		
NEIC	Single network solution.						
ISC	**III 14 12 01 01.3**±.79	**37.98N**±.065	**28.95E**±.089	**10**		**9**	**1-3**
ISK	III 14 12 00 59.6	38.03N	28.94E	10	3.1D		**¶97iii2869**
NEIC	III 14 12 01 02.2	38.01N	28.82E	10			
NEIC	Single network solution.						
ISC	**III 14 12 10 29**±1.1	**39.14N**±.091	**27.6E**±.14	**10**		**5**	**1-1**
ISK	III 14 12 10 28.2	39.06N	27.59E	10	2.7D		**¶97iii2871**
ISC	**III 14 12 12 35**±1.3	**38.11N**±.044	**28.93E**±.061	**3**±12		**24**	**1-6**
ISK	III 14 12 12 35.0	38.14N	28.96E	6	3.6D		**¶97iii2872**
NEIC	III 14 12 12 35.3	38.10N	29.03E	10			
THE	III 14 12 12 39.4	38.0N	28.4E	10			
NEIC	Felt in Denizli.						
ISC	**III 14 13 59 20.1**±.70	**38.03N**±.055	**28.87E**±.088	**10**		**10**	**1-2**
ISK	III 14 13 59 18.1	38.07N	28.92E	10	3.2D		**¶97iii2890**
NEIC	III 14 13 59 20.5	38.05N	28.79E	10			
NEIC	Single network solution.						
ISK	**III 14 14 12 43.4**	**38.11N**	**29.20E**	**10**	**2.8D**		**¶97iii2894**
ISC	**III 14 14 27 57**±4.8	**40.8N**±.22	**29.5E**±.50	**10**		**4**	**0-1**
ISK	III 14 14 27 56.5	40.84N	29.49E	10	2.7D		**¶97iii2896**
ISC	Poorly determined						
ISC	**III 14 15 00 13**±1.8	**41.1N**±.17	**28.8E**±.11	**14**		**5**	**0-1**
ISK	III 14 15 00 12.4	41.15N	28.79E	14	2.7D		**¶97iii2903**
ISC	**III 14 15 51 47.7**±.50	**38.12N**±.040	**28.97E**±.059	**10**		**23**	**0-8**
NEIC	III 14 15 51 44.6	37.93N	29.24E	10			**¶97iii2909**
ISK	III 14 15 51 46.8	38.11N	28.95E	9	3.7D		
THE	III 14 15 51 51.5	38.1N	28.8E	97			
ATH	III 14 15 51 52.5	38.14N	28.87E	38	3.9D		
NEIC	Poor solution.						
ISC	**III 14 17 19 40.4**±.83	**38.01N**±.069	**28.99E**±.097	**5**		**8**	**1-3**
ISK	III 14 17 19 39.9	38.02N	28.97E	5	3.2D		**¶97iii2921**
ISK	**III 14 18 52 26.2**	**38.06N**	**29.17E**	**10**	**2.9D**		**¶97iii2933**
ISK	**III 14 20 06 15.9**	**37.99N**	**29.03E**	**10**	**3.8D**		**¶97iii2940**
NEIC	III 14 20 06 19.3	37.99N	28.77E	10			
ATH	III 14 20 06 30.5	37.92N	28.33E	16	4.0D		
NEIC	Less reliable solution.						
NEIC	Felt in Denizli.						
ISC	**III 14 20 23 50**±1.1	**38.16N**±.046	**28.90E**±.060	**1**±10		**24**	**1-6**
ISK	III 14 20 23 50.6	38.12N	28.93E	9	3.5D		**¶97iii2945**
NEIC	III 14 20 23 50.9	38.10N	28.98E	10			
THE	III 14 20 23 54.8	38.1N	28.6E	12	3.3L		
ATH	III 14 20 23 56.2	38.16N	28.90E	39	3.8D		
NEIC	Single network solution.						
ISC	**III 14 23 19 32**±1.0	**38.10N**±.034	**28.96E**±.049	**2**±8.4	**3.7b**	**53**	**0-76**
EIDC	III 14 23 19 31.4	38.0N	29.2E	0	3.8b,3.4L		**¶97iii2960**
ISK	III 14 23 19 32.1	38.09N	28.97E	7	3.9D		
NEIC	III 14 23 19 32.2	38.06N	29.02E	10			
ATH	III 14 23 19 33.3	38.09N	28.84E	5	4.1D		
THE	III 14 23 19 35.3	38.1N	28.8E	10	3.7L		
ISC	**III 15 00 32 38**±3.1	**38.1N**±.19	**28.8E**±.36	**33**		**5**	**1-2**
							¶97iii2966
ISC	**III 15 04 33 55**±2.4	**39.6N**±.17	**28.8E**±.19	**10**		**4**	**0-1**
ISK	III 15 04 33 53.6	39.54N	28.76E	10	2.7D		**¶97iii2998**
NEIC	III 15 04 33 55.0	39.60N	28.74E	10			
ISC	Poorly determined						
NEIC	Poor solution.						
ISK	**III 15 08 41 51.2**	**39.51N**	**28.53E**	**10**	**2.5D**		**¶97iii3019**
ISC	**III 15 09 44 05**±1.3	**39.3N**±.20	**27.6E**±.78	**10**		**4**	**1-1**
ISK	III 15 09 44 04.7	39.27N	27.75E	10	2.8D		**¶97iii3024**
ISC	Poorly determined						
ISK	**III 15 09 54 30.9**	**39.25N**	**27.97E**	**10**	**2.7D**		**¶97iii3025**
ISC	**III 15 10 00 11**±2.0	**39.1N**±.25	**27.7E**±.84	**5**		**4**	**1-1**
ISK	III 15 10 00 10.9	39.13N	27.74E	5	2.8D		**¶97iii3029**
ISC	Poorly determined						
ISC	**III 15 10 19 59**±1.3	**39.1N**±.23	**27.6E**±.88	**5**		**4**	**1-1**
ISK	III 15 10 19 58.7	39.14N	27.59E	5	2.7D		**¶97iii3031**
ISC	Poorly determined						
ISC	**III 15 10 31 13**±1.7	**40.8N**±.13	**29.6E**±.15	**14**		**4**	**0-1**
ISK	III 15 10 31 13.3	40.82N	29.58E	14	2.6D		**¶97iii3033**
ISC	Poorly determined						
ISC	**III 15 10 55 37**±3.5	**37.8N**±.17	**27.3E**±.34	**5**		**7**	**1-3**
NEIC	III 15 10 55 36.9	37.79N	27.30E	5			**¶97iii3035**
ISK	III 15 10 55 37.0	37.82N	27.36E	5	3.2D		
NEIC	Poor solution.						
ISC	**III 15 16 06 17**±1.4	**39.1N**±.10	**27.6E**±.25	**10**		**4**	**1-1**
ISK	III 15 16 06 15.8	39.13N	27.60E	10	2.7D		**¶97iii3067**
ISC	Poorly determined						
ISK	**III 15 19 14 30.2**	**39.46N**	**28.73E**	**5**	**2.5D**		**¶97iii3093**
ISK	**III 15 22 01 53.2**	**39.49N**	**28.80E**	**10**	**2.6D**		**¶97iii3116**
ISC	**III 16 00 18 12**±1.7	**39.44N**±.085	**28.3E**±.11	**2**±15		**9**	**0-2**
ISK	III 16 00 18 12.2	39.46N	28.34E	7	3.0D		**¶97iii3138**
NEIC	III 16 00 18 12.5	39.43N	28.38E	10			
ISK	**III 16 02 19 40.0**	**39.47N**	**28.42E**	**10**	**2.6D**		**¶97iii3151**
ISC	**III 16 03 19 27.1**±.62	**36.22N**±.071	**30.63E**±.060	**73**±6.0	**3.7b**	**40**	**1-56**
MOS	III 16 03 19 18.2	35.5N	30.7E	33	4.2b		**¶97iii3158**
NEIC	III 16 03 19 19.9	35.75N	30.75E	33	4.0b		
ISK	III 16 03 19 25.2	36.12N	30.61E	10	3.8D		
EIDC	III 16 03 19 45.0	36.9N	30.3E	196	3.3b		
NEIC	Less reliable solution.						
ISC	**III 16 04 18 11**±1.3	**40.7N**±.15	**30.50E**±.096	**5**		**11**	**1-2**
ISK	III 16 04 18 10.7	40.72N	30.49E	5	3.0D		**¶97iii3163**
ISC	**III 16 08 58 34**±1.3	**39.09N**±.096	**27.6E**±.23	**9**		**5**	**1-1**
ISK	III 16 08 58 33.7	39.13N	27.61E	9	2.7D		**¶97iii3201**
ISC	**III 16 09 16 11**±1.4	**39.1N**±.10	**27.7E**±.24	**6**		**5**	**1-1**
ISK	III 16 09 16 11.2	39.14N	27.66E	6	2.8D		**¶97iii3203**
ISC	**III 16 11 09 22**±2.0	**39.1N**±.13	**27.8E**±.30	**10**		**4**	**1-1**
ISK	III 16 11 09 21.1	39.12N	27.78E	10	2.8D		**¶97iii3212**
ISC	Poorly determined						
ISC	**III 16 12 05 33**±1.4	**39.1N**±.10	**27.6E**±.25	**10**		**4**	**1-1**
ISK	III 16 12 05 32.6	39.14N	27.58E	10	2.8D		**¶97iii3218**
ISC	Poorly determined						
ISC	**III 16 13 12 08**±1.4	**39.1N**±.10	**27.7E**±.25	**10**		**5**	**1-1**
ISK	III 16 13 12 08.3	39.08N	27.69E	10	2.8D		**¶97iii3229**
ISC	**III 17 02 50 06**±1.4	**38.0N**±.12	**29.1E**±.19	**20**±21		**7**	**0-3**
ISK	III 17 02 50 05.0	38.03N	29.05E	15	3.2D		**¶97iii3309**
ISC	**III 17 06 52 37**±1.5	**40.3N**±.14	**28.64E**±.097	**6**		**4**	**1-1**
ISK	III 17 06 52 36.8	40.37N	28.65E	6	2.8D		**¶97iii3334**
ISC	Poorly determined						
ISC	**III 17 08 07 25.2**±.94	**39.02N**±.075	**27.7E**±.15	**10**		**8**	**1-2**
ISK	III 17 08 07 25.4	39.04N	27.76E	12	3.1D		**¶97iii3341**
NEIC	III 17 08 07 25.6	39.04N	27.67E	10			
NEIC	Single network solution.						
ISC	**III 17 08 36 10**±1.1	**39.09N**±.092	**27.7E**±.17	**5**		**6**	**1-1**
NEIC	III 17 08 36 09.9	39.11N	27.62E	5			**¶97iii3344**
ISK	III 17 08 36 10.8	39.03N	27.70E	10	2.8D		
NEIC	Poor solution.						
ISK	**III 17 10 01 26.2**	**39.96N**	**29.09E**	**10**	**2.5D**		**¶97iii3357**
ISK	**III 17 10 22 19.2**	**39.23N**	**27.40E**	**5**	**2.7D**		**¶97iii3363**
ISC	**III 17 10 35 28**±2.3	**40.7N**±.36	**30.7E**±.22	**4**±20		**6**	**0-2**
ISK	III 17 10 35 27.4	40.72N	30.72E	11	3.0D		**¶97iii3364**
ISC	Poorly determined						
ISC	**III 17 21 28 11**±1.6	**40.8N**±.13	**35.4E**±.16	**7**±21		**8**	**1-2**
ISK	III 17 21 28 10.8	40.76N	35.40E	9	3.2D		**¶97iii3436**
ISC	**III 18 03 50 40**±2.2	**39.7N**±.17	**42.1E**±.43	**33**	**3.7b**	**8**	**4-135**
EIDC	III 18 03 50 37.5	39.8N	41.9E	0	3.9b		**¶97iii3484**
ISC	**III 18 08 13 08**±1.3	**40.8N**±.12	**30.0E**±.10	**10**±11		**8**	**0-2**
ISK	III 18 08 13 08.1	40.73N	29.96E	10	2.7D		**¶97iii3508**
ISC	**III 19 02 55 16**±18	**39.3N**±.84	**27.9E**±.74	**5**		**4**	**1-1**
ISK	III 19 02 55 17.0	39.39N	27.94E	5	2.8D		**¶97iii3617**
ISC	Poorly determined						
ISC	**III 19 07 21 47**±1.2	**38.04N**±.074	**29.0E**±.10	**5**±13		**8**	**1-2**
ISK	III 19 07 21 46.3	38.05N	28.95E	5	3.2D		**¶97iii3657**
NEIC	III 19 07 21 46.8	38.03N	29.02E	10			
NEIC	Single network solution.						
ISC	**III 19 08 09 32**±1.7	**39.2N**±.33	**27.9E**±.40	**9**±46		**6**	**1-1**
ISK	III 19 08 09 32.6	39.22N	27.90E	13	2.7D		**¶97iii3663**
NEIC	III 19 08 09 32.9	39.23N	27.88E	10			
NEIC	Poor solution.						

ISK	**III**	**19 09 17 35.3**	**41.24N**	**29.41E**	**10**	**2.8D**		**¶97iii3674**
ISC	**III**	**19 10 42 19**±1.0	**39.16N**±.086	**27.6E**±.16	**7**		**6**	**1-1**
ISK	III	19 10 42 19.0	39.18N	27.57E	7	2.7D		**¶97iii3689**
NEIC	III	19 10 42 19.6	39.16N	27.59E	10			
NEIC	Poor solution.							
ISK	**III**	**19 12 11 01.3**	**37.99N**	**37.71E**	**5**	**2.7D**		**¶97iii3702**
ISC	**III**	**19 12 44 17**±1.3	**39.09N**±.096	**27.6E**±.23	**10**		**5**	**1-1**
ISK	III	19 12 44 17.5	39.08N	27.58E	10	2.8D		**¶97iii3708**
ISC	**III**	**19 14 02 23**±1.5	**40.7N**±.15	**30.0E**±.11	**10**		**4**	**1-1**
ISK	III	19 14 02 23.2	40.73N	29.94E	10	2.6D		**¶97iii3719**
ISC	Poorly determined							
ISC	**III**	**20 00 19 19**±1.2	**39.82N**±.038	**26.86E**±.054	**9**±10		**32**	**0-6**
ISK	III	20 00 19 19.0	39.80N	26.95E	5	3.5D		**¶97iii3791**
NEIC	III	20 00 19 19.2	39.79N	26.86E	10			
ATH	III	20 00 19 19.7	39.81N	26.83E	10	3.6D		
THE	III	20 00 19 20.7	39.8N	26.7E	10			
ISK	**III**	**20 04 24 42.8**	**36.12N**	**35.85E**	**14**	**3.6D**		**¶97iii3832**
ISC	**III**	**20 13 22 00**±2.6	**40.4N**±.44	**30.9E**±.12	**10**		**5**	**0-2**
ISK	III	20 13 22 00.1	40.50N	30.84E	10	2.8D		**¶97iii3898**
ISC	Poorly determined							
ISK	**III**	**20 14 18 55.9**	**40.46N**	**27.92E**	**5**	**2.7D**		**¶97iii3907**
ISC	**III**	**20 23 45 53**±1.1	**38.92N**±.079	**29.7E**±.18	**10**		**6**	**1-75**
ISK	III	20 23 45 53.4	38.88N	29.75E	10	2.8D		**¶97iii3969**
ISK	**III**	**21 05 42 39.5**	**39.45N**	**28.18E**	**10**	**2.6D**		**¶97iii4002**
ISC	**III**	**22 00 42 09**±1.1	**39.16N**±.095	**27.7E**±.16	**10**		**5**	**1-1**
ISK	III	22 00 42 10.2	39.14N	27.64E	10	2.8D		**¶97iii4166**
ISC	**III**	**22 09 56 43**±1.5	**40.7N**±.14	**30.0E**±.13	**5**		**4**	**0-1**
ISK	III	22 09 56 43.1	40.69N	29.91E	5	2.5D		**¶97iii4242**
ISC	Poorly determined							
ISK	**III**	**22 11 01 16.0**	**39.18N**	**27.48E**	**5**	**2.6D**		**¶97iii4252**
ISC	**III**	**22 12 42 14**±1.0	**40.42N**±.086	**29.19E**±.083	**10**±12		**7**	**0-2**
ISK	III	22 12 42 13.7	40.43N	29.22E	8	2.6D		**¶97iii4263**
ISC	**III**	**22 16 08 58**±1.1	**39.06N**±.099	**27.7E**±.17	**10**		**5**	**1-1**
ISK	III	22 16 08 57.3	38.96N	27.65E	10	2.7D		**¶97iii4290**
ISK	**III**	**22 19 21 20.4**	**39.08N**	**27.92E**	**10**	**2.6D**		**¶97iii4305**
ISC	**III**	**22 21 31 45**±2.0	**39.47N**±.078	**36.5E**±.24	**1**±23		**6**	**1-2**
ISK	III	22 21 31 45.2	39.46N	36.43E	10	3.4D		**¶97iii4321**
ISC	Poorly determined							
ISC	**III**	**23 07 58 19**±7.3	**40.8N**±.20	**30.1E**±.57	**8**		**5**	**0-2**
ISK	III	23 07 58 16.2	40.81N	30.31E	8	2.8D		**¶97iii4419**
ISK	**III**	**23 08 33 01.9**	**39.23N**	**27.36E**	**5**	**2.6D**		**¶97iii4422**
ISC	**III**	**23 09 42 13**±1.4	**39.1N**±.13	**27.6E**±.26	**10**		**4**	**1-1**
ISK	III	23 09 42 12.1	39.04N	27.65E	10	2.7D		**¶97iii4425**
ISC	Poorly determined							
ISC	**III**	**23 10 09 44**±1.4	**39.1N**±.13	**27.6E**±.27	**5**		**4**	**1-1**
ISK	III	23 10 09 44.1	39.14N	27.54E	5	2.6D		**¶97iii4427**
ISC	Poorly determined							
ISC	**III**	**23 12 00 50**±1.1	**39.13N**±.092	**27.6E**±.14	**10**		**5**	**1-1**
ISK	III	23 12 00 48.6	39.19N	27.48E	10	2.7D		**¶97iii4440**
ISC	**III**	**23 13 45 28**±1.1	**39.12N**±.095	**27.6E**±.15	**10**		**5**	**1-1**
ISK	III	23 13 45 26.8	39.20N	27.51E	10	2.7D		**¶97iii4447**
ISC	**III**	**23 15 02 51**±1.1	**39.05N**±.097	**27.6E**±.17	**10**		**5**	**1-1**
ISK	III	23 15 02 50.4	39.08N	27.67E	10	2.7D		**¶97iii4452**
ISC	**III**	**24 03 38 27**±1.5	**40.2N**±.22	**27.5E**±.12	**10**		**5**	**0-1**
ISK	III	24 03 38 28.1	40.25N	27.65E	10	2.7D		**¶97iii4519**
ISC	**III**	**24 04 11 26**±1.9	**39.3N**±.13	**27.6E**±.25	**3**±20		**5**	**1-2**
ISK	III	24 04 11 26.6	39.21N	27.78E	10	2.6D		**¶97iii4526**
ISC	Poorly determined							
ISC	**III**	**24 09 04 01**±2.3	**39.3N**±.24	**27.7E**±.27	**7**±43		**6**	**1-1**
ISK	III	24 09 04 01.6	39.28N	27.67E	13	2.6D		**¶97iii4552**
ISC	**III**	**24 09 26 03**±2.2	**39.1N**±.20	**27.5E**±.24	**5**±37		**6**	**1-1**
ISK	III	24 09 26 03.3	39.17N	27.49E	5	2.6D		**¶97iii4555**
ISC	**III**	**24 12 25 02**±1.1	**39.04N**±.099	**27.7E**±.17	**14**		**5**	**1-1**
ISK	III	24 12 25 02.0	39.07N	27.70E	14	2.7D		**¶97iii4567**
ISK	**III**	**24 12 41 20.8**	**39.67N**	**29.43E**	**10**	**2.7D**		**¶97iii4570**
ISC	**III**	**24 12 54 28**±1.3	**39.2N**±.13	**27.7E**±.21	**10**		**5**	**1-2**
ISK	III	24 12 54 26.9	39.25N	27.76E	10	2.7D		**¶97iii4571**
ISC	**III**	**24 14 37 06**±1.3	**39.14N**±.099	**27.5E**±.23	**10**		**4**	**1-2**
ISK	III	24 14 37 04.8	39.04N	27.37E	10	2.8D		**¶97iii4578**
ISC	Poorly determined							
ISC	**III**	**24 17 36 22**±1.0	**40.81N**±.097	**27.51E**±.074	**10**		**7**	**1-2**
ISK	III	24 17 36 21.7	40.78N	27.55E	10	2.6D		**¶97iii4596**
ISC	**III**	**24 20 58 21.7**±.86	**39.23N**±.064	**28.2E**±.13	**10**		**7**	**1-2**
ISK	III	24 20 58 20.5	39.15N	28.25E	10	2.9D		**¶97iii4616**
ISC	**III**	**25 03 37 05**±1.6	**39.2N**±.14	**28.1E**±.24	**1**±19		**5**	**1-2**
ISK	III	25 03 37 05.7	39.17N	28.15E	5	2.7D		**¶97iii4667**
ISC	Poorly determined							
ISC	**III**	**25 05 25 22**±1.5	**40.0N**±.11	**28.9E**±.13	**11**±19		**5**	**0-1**
ISK	III	25 05 25 21.6	39.94N	28.91E	10	2.6D		**¶97iii4676**
ISC	Poorly determined							
ISC	**III**	**25 08 04 49**±1.1	**39.11N**±.085	**27.7E**±.15	**10**		**6**	**1-1**
ISK	III	25 08 04 48.9	39.13N	27.62E	10	2.7D		**¶97iii4695**
ISK	**III**	**25 10 00 29.2**	**39.25N**	**27.73E**	**10**	**2.7D**		**¶97iii4708**
ISC	**III**	**25 10 09 28**±1.9	**39.1N**±.22	**27.6E**±.27	**6**±36		**6**	**1-1**
ISK	III	25 10 09 27.0	38.94N	27.75E	10	2.8D		**¶97iii4709**
ISC	**III**	**25 13 02 40**±1.7	**39.2N**±.12	**27.8E**±.27	**10**		**4**	**1-1**
ISK	III	25 13 02 39.8	39.28N	27.58E	10	2.7D		**¶97iii4731**
ISC	Poorly determined							
ISK	**III**	**25 13 24 35.7**	**39.57N**	**29.47E**	**7**	**2.7D**		**¶97iii4736**
ISK	**III**	**25 14 46 50.4**	**39.60N**	**29.48E**	**10**	**2.6D**		**¶97iii4746**
ISC	**III**	**26 05 45 11**±1.3	**40.69N**±.097	**29.0E**±.13	**9**±20		**5**	**0-1**
ISK	III	26 05 45 10.8	40.71N	29.00E	10	2.6D		**¶97iii4847**
NEIC	III	26 05 45 11.0	40.70N	29.02E	10			
ISC	Poorly determined							
NEIC	Single network solution.							
ISC	**III**	**26 08 48 23.1**±.95	**39.15N**±.079	**27.5E**±.14	**10**		**7**	**1-2**
ISK	III	26 08 48 20.9	39.26N	27.20E	10	2.8D		**¶97iii4878**
NEIC	III	26 08 48 22.1	39.21N	27.22E	10			
NEIC	Single network solution.							
ISK	**III**	**26 11 17 40.4**	**39.60N**	**29.49E**	**10**	**2.7D**		**¶97iii4938**
ISC	**III**	**26 12 44 10.7**±.95	**39.10N**±.080	**27.7E**±.13	**10**		**8**	**1-2**
ISK	III	26 12 44 10.7	39.18N	27.61E	9	2.7D		**¶97iii4964**
NEIC	III	26 12 44 11.1	39.11N	27.66E	10			
NEIC	Single network solution.							
ISC	**III**	**26 13 09 31.0**±.94	**39.24N**±.082	**27.6E**±.12	**10**		**7**	**1-2**
ISK	III	26 13 09 30.4	39.25N	27.67E	10	2.7D		**¶97iii4969**
NEIC	III	26 13 09 31.7	39.23N	27.69E	10			
NEIC	Single network solution.							
ISC	**III**	**26 15 30 19**±1.3	**41.1N**±.14	**28.8E**±.10	**10**±13		**6**	**0-1**
ISK	III	26 15 30 18.7	41.12N	28.75E	5	2.6D		**¶97iii5016**
NEIC	III	26 15 30 19.0	41.12N	28.76E	10			
NEIC	Single network solution.							
ISK	**III**	**26 15 52 36.5**	**39.62N**	**29.45E**	**10**	**2.6D**		**¶97iii5020**
ISC	**III**	**26 23 01 14.5**	**38.38N**	**28.11E**	**6**	**3.0D**		**¶97iii5088**
ISC	**III**	**27 00 51 21**±1.2	**38.16N**±.082	**30.2E**±.14	**8**		**7**	**1-2**
ISK	III	27 00 51 22.5	38.22N	29.98E	8	3.3D		**¶97iii5104**
ISC	**III**	**27 01 31 18**±2.4	**39.4N**±.13	**27.9E**±.16	**1**±24		**6**	**1-2**
ISK	III	27 01 31 18.7	39.36N	27.92E	7	2.8D		**¶97iii5111**
NEIC	III	27 01 31 19.4	39.35N	27.97E	10			
NEIC	Single network solution.							
ISC	**III**	**27 08 25 48**±2.2	**39.1N**±.20	**27.6E**±.24	**2**±37		**7**	**1-1**
ISK	III	27 08 25 46.2	38.96N	27.51E	10	2.8D		**¶97iii5173**
NEIC	III	27 08 25 48.2	39.14N	27.41E	10			
NEIC	Poor solution.							
ISC	**III**	**27 08 43 45**±4.0	**39.9N**±.27	**29.3E**±.40	**10**		**4**	**0-1**
ISK	III	27 08 43 41.2	39.63N	29.53E	10	2.6D		**¶97iii5177**
NEIC	III	27 08 43 42.8	39.75N	29.46E	10			
ISC	Poorly determined							
NEIC	Poor solution.							
ISK	**III**	**27 10 02 32.5**	**39.66N**	**29.41E**	**10**	**2.5D**		**¶97iii5188**
ISC	**III**	**27 12 16 56**±1.0	**39.13N**±.087	**27.6E**±.20	**6**		**6**	**1-2**
ISK	III	27 12 16 55.7	39.18N	27.59E	6	2.8D		**¶97iii5224**
NEIC	III	27 12 16 55.8	39.15N	27.51E	10			
NEIC	Poor solution.							
ISK	**III**	**27 15 13 02.7**	**39.17N**	**27.52E**	**10**	**2.7D**		**¶97iii5254**
ISC	**III**	**27 21 12 25**±5.8	**40.7N**±.53	**28.9E**±.14	**10**		**4**	**1-1**
ISK	III	27 21 12 26.3	40.31N	28.97E	10	2.6D		**¶97iii5310**
ISC	Poorly determined							
ISC	**III**	**28 04 01 21**±1.1	**40.7N**±.12	**29.9E**±.11	**15**±17		**10**	**0-2**
ISK	III	28 04 01 20.2	40.72N	29.96E	10	3.1D		**¶97iii5356**
NEIC	III	28 04 01 22.8	40.69N	29.72E	10			
NEIC	Single network solution.							
ISK	**III**	**28 06 39 16.7**	**39.42N**	**29.33E**	**10**	**2.7D**		**¶97iii5372**
ISC	**III**	**28 08 26 05**±1.4	**38.30N**±.093	**30.6E**±.20	**33**		**5**	**1-3**
								¶97iii5391
ISC	**III**	**28 08 46 57**±1.1	**39.06N**±.091	**27.7E**±.19	**10**		**6**	**1-1**
NEIC	III	28 08 46 57.2	39.10N	27.59E	10			**¶97iii5394**
ISK	III	28 08 46 57.5	39.08N	27.70E	10	2.7D		
NEIC	Poor solution.							
ISK	**III**	**28 09 02 31.8**	**39.61N**	**29.42E**	**5**	**2.6D**		**¶97iii5399**
ISC	**III**	**28 09 14 38**±1.1	**39.07N**±.084	**27.7E**±.15	**10**		**7**	**1-1**
ISK	III	28 09 14 37.9	39.06N	27.71E	10	2.8D		**¶97iii5401**
NEIC	III	28 09 14 38.0	39.11N	27.63E	10			
NEIC	Poor solution.							
ISK	**III**	**28 09 33 02.1**	**39.58N**	**29.50E**	**10**	**2.6D**		**¶97iii5408**
ISC	**III**	**28 10 17 02**±1.6	**39.0N**±.19	**27.9E**±.36	**10**		**4**	**1-1**
ISK	III	28 10 17 01.6	38.78N	28.13E	10	2.7D		**¶97iii5420**
ISC	Poorly determined							
ISC	**III**	**28 10 30 30**±4.6	**40.5N**±.38	**29.3E**±.22	**9**±17		**5**	**0-1**
ISK	III	28 10 30 30.3	40.54N	29.27E	8	2.5D		**¶97iii5422**
NEIC	III	28 10 30 30.3	40.56N	29.30E	10			
ISC	Poorly determined							
NEIC	Poor solution.							
ISK	**III**	**28 10 32 26.2**	**39.61N**	**29.49E**	**10**	**2.5D**		**¶97iii5423**
ISC	**III**	**28 11 57 58**±1.1	**39.11N**±.090	**27.7E**±.19	**10**		**6**	**1-1**
NEIC	III	28 11 57 57.8	39.20N	27.51E	10			**¶97iii5432**
ISK	III	28 11 57 58.1	39.12N	27.69E	10	2.8D		
NEIC	Poor solution.							
ISK	**III**	**28 20 39 01.2**	**40.75N**	**29.91E**	**10**	**2.7D**		**¶97iii5480**
ISC	**III**	**28 22 54 33**±1.1	**40.69N**±.099	**29.95E**±.091	**4**±11		**10**	**0-2**
ISK	III	28 22 54 33.1	40.71N	29.95E	5	2.9D		**¶97iii5496**
NEIC	III	28 22 54 34.8	40.69N	29.83E	10			
NEIC	Poor solution.							
ISC	**III**	**29 05 43 44**±1.0	**40.09N**±.075	**28.67E**±.087	**6**±18		**7**	**0-1**
ISK	III	29 05 43 44.3	40.07N	28.61E	10	2.7D		**¶97iii5542**
NEIC	III	29 05 43 44.6	40.05N	28.66E	10			
NEIC	Single network solution.							
ISC	**III**	**29 13 18 31**±1.2	**39.37N**±.079	**27.9E**±.14	**10**		**6**	**1-2**
ISK	III	29 13 18 30.2	39.36N	27.95E	10	2.7D		**¶97iii5592**
NEIC	III	29 13 18 31.6	39.34N	27.99E	10			
NEIC	Single network solution.							
ISC	**III**	**29 16 23 23**±1.1	**39.09N**±.087	**27.7E**±.15	**10**		**6**	**1-1**
ISK	III	29 16 23 23.7	39.10N	27.71E	10	2.6D		**¶97iii5620**
ISC	**III**	**29 17 35 33**±2.9	**37.8N**±.21	**27.1E**±.39	**33**		**5**	**1-3**
								¶97iii5628
ISC	**III**	**29 21 20 58**±1.3	**40.73N**±.055	**30.02E**±.092	**10**±7.8		**22**	**0-6**
ISK	III	29 21 20 57.7	40.77N	29.99E	13	3.5D		**¶97iii5648**
NEIC	III	29 21 20 58.3	40.72N	29.96E	10			
NEIC	Poor solution.							
ISC	**III**	**29 23 37 09.5**±.70	**38.01N**±.056	**28.97E**±.087	**10**		**10**	**1-2**
ISK	III	29 23 37 09.7	38.01N	28.95E	13	3.2D		**¶97iii5658**
NEIC	III	29 23 37 10.0	38.02N	28.93E	10			
NEIC	Single network solution.							
ISC	**III**	**30 04 28 53**±1.2	**36.8N**±.14	**30.5E**±.11	**33**		**6**	**0-3**
								¶97iii5695
ISC	**III**	**30 04 41 56**±2.3	**40.6N**±.24	**27.50E**±.080	**6**		**7**	**0-2**
ISK	III	30 04 41 56.0	40.60N	27.50E	6	2.6D		**¶97iii5698**
ISC	**III**	**30 07 31 12**±1.2	**39.07N**±.091	**27.8E**±.15	**10**		**6**	**1-2**
ISK	III	30 07 31 11.8	39.16N	27.63E	10	2.7D		**¶97iii5718**
ISC	**III**	**30 07 33 39**±1.0	**39.08N**±.083	**27.7E**±.15	**10**		**7**	**1-1**
NEIC	III	30 07 33 39.6	39.12N	27.58E	10			**¶97iii5719**
ISK	III	30 07 33 40.0	39.08N	27.70E	10	2.7D		
NEIC	Poor solution.							
ISC	**III**	**30 07 57 25**±1.1	**39.11N**±.091	**27.8E**±.15	**6**		**6**	**1-1**
ISK	III	30 07 57 25.2	39.13N	27.72E	6	2.8D		**¶97iii5722**
ISK	**III**	**30 11 27 13.4**	**39.17N**	**27.53E**	**10**	**2.6D**		**¶97iii5748**
ISC	**III**	**31 12 57 24**±1.9	**41.1N**±.18	**28.7E**±.11	**10**±12		**6**	**0-1**
ISK	III	31 12 57 24.8	41.10N	28.78E	10	2.6D		**¶97iii5890**
NEIC	III	31 12 57 25.3	41.08N	28.79E	10			
NEIC	Poor solution.							
ISK	**IV**	**01 10 48 48.9**	**39.27N**	**27.66E**	**10**	**2.8D**		**¶97iv0056**
ISC	**IV**	**01 11 25 39.8**±.42	**38.34N**±.035	**31.13E**±.041	**35**±4.8	**4.0b,3.8s**	**117**	**1-101**
EIDC	IV	01 11 25 33.7	38.0N	31.6E	0	4.0b,3.9s		**¶97iv0060**
NEIC	IV	01 11 25 34.5	38.16N	31.31E	10	4.3b		
ISK	IV	01 11 25 35.2	38.31N	31.18E	10	4.2D		
MOS	IV	01 11 25 37.4	38.3N	31.0E	10	4.3b		
NEIC	Felt at Yalvac and in parts of Konya.							
ISC	**IV**	**01 11 30 37.2**±.94	**38.24N**±.069	**31.2E**±.12	**10**		**10**	**1-3**
ISK	IV	01 11 30 35.4	38.27N	31.14E	10	3.4D		**¶97iv0062**
ISK	**IV**	**01 12 29 06.7**	**38.73N**	**36.86E**	**10**	**3.4D**		**¶97iv0069**

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**IV 01 23 37 39.1**±.60	**38.70N**±.072	**36.85E**±.082	**10**	**3.8b**	**21**	**1-77**	
EIDC	IV 01 23 37 33.8	38.2N	37.4E	0	3.5b			¶97iv0157
ISK	IV 01 23 37 37.5	38.74N	36.83E	10	4.0D			
NEIC	IV 01 23 37 38.6	38.73N	36.88E	10	4.0b			
NEIC	Less reliable solution.							
ISC	**IV 02 05 54 55.5**±.93	**38.29N**±.065	**30.9E**±.12	**10**		**8**	**1-3**	
ISK	IV 02 05 54 53.7	38.34N	31.02E	10	3.2D			¶97iv0193
ISC	**IV 02 07 04 24**±1.3	**39.0N**±.10	**27.6E**±.24	**10**		**5**	**1-1**	
ISK	IV 02 07 04 23.0	39.08N	27.62E	10	2.8D			¶97iv0200
ISK	**IV 02 12 09 53.8**	**39.10N**	**27.62E**	**10**	**2.7D**			¶97iv0245
ISK	**IV 02 15 14 53.3**	**39.22N**	**27.40E**	**10**	**2.7D**			¶97iv0262
ISC	**IV 03 00 56 41**±2.6	**39.7N**±.17	**29.0E**±.20	**6**±17		**5**	**0-1**	
NEIC	IV 03 00 56 40.3	39.64N	29.07E	10				¶97iv0359
ISK	IV 03 00 56 40.4	39.67N	29.02E	14	2.7D			
ISC	Poorly determined							
NEIC	Poor solution.							
ISK	**IV 03 09 39 01.0**	**39.21N**	**27.71E**	**10**	**2.8D**			¶97iv0407
ISC	**IV 03 12 48 43**±1.4	**39.06N**±.091	**27.9E**±.33	**10**		**5**	**1-1**	
ISK	IV 03 12 48 39.2	38.93N	27.64E	10	2.8D			¶97iv0432
ISC	**IV 04 04 07 16**±1.1	**39.18N**±.059	**27.14E**±.081	**8**±11		**14**	**1-6**	
ISK	IV 04 04 07 16.6	39.21N	27.15E	10	3.1D			¶97iv0540
ATH	IV 04 04 07 16.7	39.23N	27.22E	5	3.5D			
NEIC	IV 04 04 07 17.7	39.27N	27.15E	10				
NEIC	Poor solution.							
ISC	**IV 04 04 16 38.9**±.58	**39.18N**±.051	**27.17E**±.063	**5**		**22**	**1-5**	
ATH	IV 04 04 16 39.1	39.22N	27.27E	5	3.7D			¶97iv0542
ISK	IV 04 04 16 39.5	39.27N	27.18E	5	3.3D			
NEIC	IV 04 04 16 41.5	39.29N	27.31E	10				
THE	IV 04 04 16 42.9	39.1N	26.9E	14				
NEIC	Single network solution.							
ISK	**IV 04 08 21 03.5**	**40.89N**	**29.36E**	**10**	**2.8D**			¶97iv0573
ISC	**IV 04 10 00 19**±1.5	**40.1N**±.13	**29.2E**±.17	**6**±17		**6**	**0-2**	
NEIC	IV 04 10 00 18.9	40.12N	29.27E	10				¶97iv0589
NEIC	Single network solution.							
ISC	**IV 04 10 03 39.3**±.50	**40.16N**±.036	**29.28E**±.056	**10**		**34**	**0-6**	
ISK	IV 04 10 03 37.6	40.17N	29.27E	10	3.6D			¶97iv0590
NEIC	IV 04 10 03 38.5	40.16N	29.28E	10				
ATH	IV 04 10 03 47.9	40.47N	28.69E	10	3.8D			
THE	IV 04 10 03 53.0	40.3N	28.2E	10				
ISC	**IV 04 10 06 18.8**±.73	**40.12N**±.035	**29.33E**±.060	**7**±6.9		**34**	**0-5**	
ISK	IV 04 10 06 18.8	40.11N	29.30E	10	3.7D			¶97iv0591
NEIC	IV 04 10 06 19.5	40.13N	29.30E	10				
ATH	IV 04 10 06 37.4	40.14N	27.55E	10	3.7D			
NEIC	Single network solution.							
NEIC	Felt at Bursa.							
ISC	**IV 04 10 11 01**±1.0	**40.16N**±.066	**29.21E**±.078	**5**±9.8		**10**	**0-2**	
ISK	IV 04 10 11 00.4	40.12N	29.25E	10	2.9D			¶97iv0594
NEIC	IV 04 10 11 00.5	40.07N	29.32E	10				
NEIC	Single network solution.							
ISC	**IV 04 11 11 09**±1.4	**39.35N**±.053	**27.73E**±.061	**0**±11		**23**	**1-5**	
ISK	IV 04 11 11 08.8	39.32N	27.71E	6	3.3D			¶97iv0602
NEIC	IV 04 11 11 09.6	39.33N	27.72E	10				
ATH	IV 04 11 11 10.0	39.40N	27.85E	10	3.6D			
NEIC	Poor solution.							
ISC	**IV 04 11 30 36**±2.5	**39.2N**±.10	**27.3E**±.64	**10**		**6**	**1-2**	
ISK	IV 04 11 30 34.8	39.13N	27.62E	10	2.8D			¶97iv0606
ISC	**IV 04 12 00 12**±1.4	**39.3N**±.17	**27.7E**±.66	**6**		**4**	**1-1**	
ISK	IV 04 12 00 12.2	39.33N	27.58E	6	2.7D			¶97iv0608
ISC	Poorly determined							
ISK	**IV 05 10 12 58.8**	**39.68N**	**29.45E**	**10**	**2.6D**			¶97iv0749
ISC	**IV 05 20 51 16**±2.2	**39.4N**±.17	**27.7E**±.12	**5**		**6**	**1-2**	
ISK	IV 05 20 51 14.5	39.31N	27.69E	5	2.8D			¶97iv0852
ISC	**IV 05 20 58 56**±1.1	**39.32N**±.045	**27.72E**±.068	**4**±11		**20**	**1-5**	
ISK	IV 05 20 58 55.6	39.32N	27.66E	10	3.3D			¶97iv0854
ATH	IV 05 20 58 56.6	39.38N	27.87E	10	3.6D			
ISC	**IV 05 22 43 42**±3.5	**40.0N**±.18	**29.4E**±.31	**12**±15		**5**	**0-1**	
ISK	IV 05 22 43 41.5	40.06N	29.40E	14	2.7D			¶97iv0870
NEIC	IV 05 22 43 41.8	40.06N	29.41E	10				
ISC	Poorly determined							
NEIC	Poor solution.							
ISK	**IV 06 02 22 29.5**	**37.58N**	**30.75E**	**10**	**3.1D**			¶97iv0911
ISK	**IV 06 15 02 55.6**	**39.97N**	**29.14E**	**10**	**2.6D**			¶97iv1013
ISK	**IV 06 15 17 06.4**	**39.14N**	**27.61E**	**10**	**2.6D**			¶97iv1015
ISK	**IV 06 17 32 29.1**	**38.24N**	**29.03E**	**7**	**3.0D**			¶97iv1028
ISC	**IV 07 06 51 00**±1.4	**39.1N**±.13	**27.6E**±.27	**8**		**4**	**1-1**	
ISK	IV 07 06 50 59.9	39.17N	27.48E	8	2.7D			¶97iv1116
ISC	Poorly determined							
ISK	**IV 07 11 25 21.7**	**39.19N**	**27.31E**	**10**	**2.7D**			¶97iv1148
ISC	**IV 07 13 05 37**±1.8	**41.1N**±.15	**28.8E**±.11	**10**		**4**	**0-1**	
ISK	IV 07 13 05 36.7	41.12N	28.76E	5	2.6D			¶97iv1163
NEIC	IV 07 13 05 36.7	41.18N	28.77E	10				
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**IV 07 13 11 14**±1.1	**39.65N**±.075	**28.5E**±.12	**8**±9.9		**7**	**0-2**	
								¶97iv1165
ISK	**IV 07 13 24 30.3**	**39.00N**	**29.76E**	**5**	**2.8D**			¶97iv1168
ISK	**IV 07 13 35 51.9**	**39.16N**	**27.82E**	**10**	**2.8D**			¶97iv1170
ISC	**IV 07 18 27 11**±1.6	**39.0N**±.25	**28.0E**±.34	**10**±22		**5**	**1-2**	
ISK	IV 07 18 27 11.1	39.05N	27.87E	14	2.8D			¶97iv1205
ISC	Poorly determined							
ISK	**IV 08 05 44 25.3**	**40.13N**	**28.23E**	**10**	**2.7D**			¶97iv1281
ISK	**IV 08 09 54 17.4**	**39.02N**	**29.69E**	**6**	**2.8D**			¶97iv1309
ISC	**IV 08 13 32 07**±2.7	**40.4N**±.17	**29.1E**±.20	**3**±23		**6**	**0-2**	
ISK	IV 08 13 32 06.7	40.48N	29.24E	10	2.8D			¶97iv1338
ISC	Poorly determined							
ISK	**IV 08 17 47 18.8**	**40.04N**	**29.42E**	**5**	**2.4D**			¶97iv1376
ISC	**IV 08 20 01 58**±1.6	**39.3N**±.14	**28.1E**±.30	**5**		**5**	**1-1**	
ISK	IV 08 20 01 58.0	39.23N	28.27E	5	2.7D			¶97iv1395
ISC	Poorly determined							
ISC	**IV 08 23 32 35**±1.5	**39.03N**±.041	**29.67E**±.085	**3**±12		**26**	**1-7**	
ISK	IV 08 23 32 34.9	39.03N	29.67E	9	3.6D			¶97iv1426
ISK	**IV 09 02 43 05.1**	**40.75N**	**35.27E**	**5**	**3.0D**			¶97iv1447
ISC	**IV 09 09 11 28**±2.1	**40.0N**±.22	**37.6E**±.30	**10**		**6**	**1-5**	
ISK	IV 09 09 11 25.6	40.12N	37.74E	10	3.7D			¶97iv1488
ISC	**IV 09 11 00 55**±1.3	**39.10N**±.098	**27.6E**±.23	**10**		**5**	**1-1**	
ISK	IV 09 11 00 55.9	39.12N	27.59E	10	2.6D			¶97iv1503
ISC	**IV 09 11 12 22.5**±.41	**40.15N**±.041	**27.04E**±.038	**5**		**33**	**0-5**	
ATH	IV 09 11 12 13.0	40.73N	27.61E	5	3.3D			¶97iv1505
ISK	IV 09 11 12 22.7	40.17N	27.05E	5	3.1D			
THE	IV 09 11 12 29.5	40.3N	26.6E	10	3.1L			
ISK	**IV 09 12 43 12.7**	**39.09N**	**27.64E**	**10**	**2.7D**			¶97iv1516
ISK	**IV 09 14 17 42.8**	**38.31N**	**30.99E**	**10**	**3.0D**			¶97iv1531
ISK	**IV 09 15 18 48.2**	**37.73N**	**27.49E**	**5**	**2.8D**			¶97iv1544
ISK	**IV 09 16 19 23.9**	**38.00N**	**29.04E**	**10**	**2.9D**			¶97iv1550
ISK	**IV 09 19 47 09.3**	**37.94N**	**39.84E**	**10**	**3.3D**			¶97iv1572
ISC	**IV 10 08 06 30**±1.8	**39.09N**±.072	**26.2E**±.21	**14**±9.3		**11**	**0-2**	
ISK	IV 10 08 06 29.4	39.12N	26.07E	10	3.3D			¶97iv1656
ATH	IV 10 08 06 30.8	39.19N	26.53E	10	3.5D			
ISK	**IV 10 10 30 02.8**	**39.32N**	**26.90E**	**6**	**2.9D**			¶97iv1673
ISC	**IV 10 12 06 48**±6.5	**40.7N**±.36	**29.4E**±.40	**10**		**4**	**0-1**	
ISK	IV 10 12 06 49.6	40.60N	29.39E	10	2.6D			¶97iv1686
ISC	Poorly determined							
ISK	**IV 11 09 53 08.6**	**40.78N**	**27.51E**	**10**	**2.6D**			¶97iv1859
ISC	**IV 11 10 13 40**±1.4	**39.1N**±.13	**27.6E**±.27	**10**		**4**	**1-1**	
ISK	IV 11 10 13 39.2	39.17N	27.41E	10	2.6D			¶97iv1868
ISC	Poorly determined							
ISK	**IV 11 10 40 18.0**	**39.82N**	**29.27E**	**10**	**2.7D**			¶97iv1877
ISK	**IV 11 11 33 57.1**	**39.31N**	**27.63E**	**14**	**2.6D**			¶97iv1887
ISC	**IV 11 11 57 11**±2.3	**39.1N**±.28	**27.7E**±.86	**10**		**5**	**1-1**	
ISK	IV 11 11 57 10.3	39.19N	27.48E	10	2.7D			¶97iv1894
ISC	Poorly determined							
ISC	**IV 11 13 34 27**±1.2	**40.74N**±.098	**27.5E**±.11	**14**		**5**	**0-1**	
ISK	IV 11 13 34 27.1	40.76N	27.51E	14	2.6D			¶97iv1907
ISK	**IV 11 13 58 17.4**	**41.24N**	**28.77E**	**12**	**2.6D**			¶97iv1913
ISK	**IV 11 20 04 14.3**	**38.27N**	**39.11E**	**10**	**3.3D**			¶97iv1970
ISC	**IV 12 17 40 44**±1.0	**37.92N**±.042	**27.64E**±.066	**5**±8.4	**3.7b**	**27**	**0-75**	
ISK	IV 12 17 40 43.3	37.85N	27.59E	9	3.7D			¶97iv2103
NEIC	IV 12 17 40 43.8	37.92N	27.78E	10	4.0b			
ATH	IV 12 17 40 45.6	37.90N	27.55E	5	3.9D			
EIDC	IV 12 17 40 48.8	37.8N	28.0E	46	3.4b,3.2L			
NEIC	Less reliable solution.							
NEIC	Felt at Germencik.							
ISC	**IV 12 19 36 47**±9.4	**40.3N**±.24	**29.6E**±.68	**10**		**5**	**0-1**	
ISK	IV 12 19 36 48.9	40.29N	29.46E	10	2.6D			¶97iv2116
ISC	Poorly determined							
ISK	**IV 12 22 22 55.7**	**39.45N**	**28.35E**	**10**	**2.8D**			¶97iv2143
ISC	**IV 13 10 04 37**±2.6	**40.8N**±.15	**35.3E**±.21	**1**±28		**7**	**1-2**	
ISK	IV 13 10 04 36.8	40.79N	35.34E	10	3.4D			¶97iv2217
ISC	Poorly determined							
ISC	**IV 13 11 39 29**±1.1	**39.35N**±.073	**36.4E**±.16	**5**		**6**	**1-2**	
ISK	IV 13 11 39 28.6	39.35N	36.36E	5	3.4D			¶97iv2234
ISK	**IV 13 13 16 57.7**	**40.68N**	**35.31E**	**5**	**2.8D**			¶97iv2246
ISK	**IV 13 13 54 54.6**	**40.94N**	**28.24E**	**10**	**2.6D**			¶97iv2248
ISK	**IV 13 19 43 20.0**	**40.30N**	**28.81E**	**10**	**2.5D**			¶97iv2290
ISK	**IV 14 10 53 23.2**	**41.87N**	**30.35E**	**11**	**3.1D**			¶97iv2443
ISK	**IV 14 17 38 34.0**	**40.55N**	**30.24E**	**10**	**2.8D**			¶97iv2488
ISK	**IV 15 07 34 07.5**	**39.15N**	**27.72E**	**10**	**2.7D**			¶97iv2576
ISC	**IV 15 08 54 49**±1.8	**39.1N**±.12	**27.6E**±.44	**10**		**4**	**1-1**	
ISK	IV 15 08 54 48.8	39.15N	27.57E	10	2.7D			¶97iv2582
ISC	Poorly determined							
ISK	**IV 15 11 05 22.4**	**39.98N**	**29.48E**	**10**	**2.6D**			¶97iv2594
ISC	**IV 15 21 18 40**±7.0	**39.5N**±.45	**28.8E**±.20	**9**		**4**	**0-1**	
ISK	IV 15 21 18 40.0	39.52N	28.73E	9	2.5D			¶97iv2649
ISC	Poorly determined							
ISK	**IV 15 23 15 40.1**	**38.02N**	**30.09E**	**10**	**3.4D**			¶97iv2662
ISK	**IV 16 03 58 48.5**	**38.19N**	**30.19E**	**10**	**3.0D**			¶97iv2684
ISK	**IV 16 05 00 00.2**	**40.73N**	**29.95E**	**10**	**2.7D**			¶97iv2696
ISK	**IV 16 06 57 52.5**	**40.12N**	**27.33E**	**6**	**2.5D**			¶97iv2711
ISK	**IV 16 07 07 07.1**	**39.21N**	**27.26E**	**5**	**2.7D**			¶97iv2712
ISK	**IV 16 08 03 32.8**	**39.21N**	**27.41E**	**10**	**2.7D**			¶97iv2722
ISK	**IV 16 09 44 42.8**	**39.84N**	**28.92E**	**12**	**2.6D**			¶97iv2736
ISK	**IV 16 11 30 22.1**	**40.05N**	**29.36E**	**10**	**2.6D**			¶97iv2749
ISK	**IV 17 17 09 29.4**	**38.58N**	**30.86E**	**14**	**3.2D**			¶97iv2939
ISK	**IV 17 18 02 22.3**	**36.83N**	**31.34E**	**33**	**3.0D**			¶97iv2950
ISC	**IV 17 19 09 54**±1.2	**40.82N**±.079	**28.7E**±.13	**5**		**4**	**0-1**	
ISK	IV 17 19 09 53.0	40.84N	28.70E	5	2.5D			¶97iv2959
ISC	Poorly determined							
ISK	**IV 17 19 49 15.4**	**39.06N**	**27.30E**	**10**	**3.0D**			¶97iv2963
ISC	**IV 17 20 11 31**±3.8	**40.0N**±.36	**27.3E**±.14	**7**		**4**	**1-2**	
ISK	IV 17 20 11 29.8	39.97N	27.26E	7	2.9D			¶97iv2968
ISC	Poorly determined							
ISK	**IV 18 00 09 00.5**	**40.76N**	**27.52E**	**5**	**2.5D**			¶97iv2996
ISK	**IV 18 00 16 46.1**	**40.73N**	**27.55E**	**9**	**2.6D**			¶97iv2999
ISK	**IV 18 05 24 59.6**	**40.53N**	**27.60E**	**5**	**2.7D**			¶97iv3022
ISC	**IV 18 07 30 08**±2.1	**39.6N**±.17	**28.6E**±.23	**14**		**4**	**0-1**	
ISK	IV 18 07 30 08.1	39.63N	28.63E	14	2.7D			¶97iv3034
ISC	Poorly determined							
ISK	**IV 18 07 56 43.9**	**39.78N**	**27.92E**	**5**	**2.5D**			¶97iv3040
ISK	**IV 18 20 16 43.9**	**39.33N**	**28.53E**	**5**	**2.5D**			¶97iv3115
ISC	**IV 19 09 55 37**±1.7	**40.9N**±.10	**28.7E**±.15	**10**		**4**	**0-1**	
ISK	IV 19 09 55 36.9	40.92N	28.66E	10	2.6D			¶97iv3186
ISC	Poorly determined							
ISC	**IV 19 11 00 49**±2.6	**39.0N**±.39	**42.3E**±.10	**10**		**7**	**1-4**	
ISK	IV 19 11 00 49.9	38.74N	42.13E	10	4.2D			¶97iv3191
ISC	**IV 20 06 30 53**±1.2	**38.2N**±.11	**38.9E**±.11	**10**		**7**	**0-5**	
ISK	IV 20 06 30 52.3	38.20N	38.93E	10	3.9D			¶97iv3282
ISK	**IV 20 08 54 44.0**	**39.02N**	**27.66E**	**10**	**2.7D**			¶97iv3293
ISC	**IV 20 13 18 14.7**±.96	**37.90N**±.084	**29.2E**±.11	**10**		**6**	**1-2**	
ISK	IV 20 13 18 13.7	37.95N	29.20E	10	2.9D			¶97iv3315
ISC	**IV 20 21 17 32**±1.3	**37.0N**±.15	**42.6E**±.11	**33**		**10**	**2-7**	
ISK	IV 20 21 17 26.8	36.88N	42.65E	33	4.3D			¶97iv3363
ISK	**IV 20 22 05 22.5**	**36.93N**	**31.40E**	**6**	**3.1D**			¶97iv3366
ISC	**IV 20 23 55 26**±2.6	**40.1N**±.19	**29.3E**±.11	**11**±14		**8**	**0-2**	
ISK	IV 20 23 55 25.0	39.99N	29.31E	12	2.9D			¶97iv3377
ISC	**IV 21 03 43 43.0**±.74	**37.22N**±.047	**28.46E**±.073	**24**±9.3		**29**	**0-9**	
NEIC	IV 21 03 43 41.3	37.24N	28.56E	10				¶97iv3399
THE	IV 21 03 43 42.9	37.3N	28.4E	1				
ISK	IV 21 03 43 42.9	37.30N	28.41E	9	3.6D			
ATH	IV 21 03 43 47.8	37.03N	27.96E	5	3.9D			
NEIC	Felt at Mugla.							
ISK	**IV 21 09 09 28.5**	**39.16N**	**27.45E**	**10**	**2.6D**			¶97iv3435
ISC	**IV 21 15 49 37**±1.1	**39.1N**±.10	**27.6E**±.21	**10**		**6**	**1-2**	
ISK	IV 21 15 49 35.4	39.14N	27.51E	10	2.7D			¶97iv3527
ISC	**IV 21 19 24 42**±7.3	**39.9N**±.35	**29.6E**±.47	**10**		**6**	**0-2**	
ISK	IV 21 19 24 44.4	40.03N	29.41E	10	2.6D			¶97iv3559
ISK	**IV 21 20 59 20.2**	**39.64N**	**28.05E**	**6**	**2.6D**			¶97iv3579
ISC	**IV 21 22 08 12**±1.8	**40.9N**±.19	**35.4E**±.27	**3**±26		**8**	**1-3**	
ISK	IV 21 22 08 12.1	40.91N	35.45E	8	3.4D			¶97iv3592

ISC	**IV**	**22 03 12 15**±6.8	**40.7N**±.14	**30.0E**±.55	**10**		**6**	**0-1**	
ISK	IV	22 03 12 15.0	40.72N	29.98E	10	2.8D			¶97iv3628
ISK	**IV**	**22 10 21 44.5**	**39.69N**	**29.48E**	**10**	**2.5D**			¶97iv3698
ISC	**IV**	**22 18 55 00.7**±.89	**40.75N**±.087	**35.39E**±.096	**5**	3.0b	**9**	**1-74**	
ISK	IV	22 18 55 00.8	40.76N	35.44E	5	3.7D			¶97iv3813
ISK	**IV**	**23 01 34 50.5**	**41.11N**	**29.72E**	**10**	**2.7D**			¶97iv3867
ISC	**IV**	**23 02 29 35**±1.7	**37.8N**±.15	**38.0E**±.24	**5**		**4**	**1-2**	
ISK	IV	23 02 29 35.5	37.85N	37.91E	5	3.6D			¶97iv3879
ISC	Poorly determined								
ISC	**IV**	**23 10 29 08**±3.3	**40.8N**±.20	**32.9E**±.14	**1**±25		**7**	**1-3**	
ISK	IV	23 10 29 07.0	40.84N	32.90E	10	3.4D			¶97iv3932
ISK	**IV**	**23 12 42 43.0**	**37.64N**	**27.42E**	**5**	**3.0D**			¶97iv3959
ISK	**IV**	**23 13 47 33.1**	**39.77N**	**29.30E**	**10**	**2.6D**			¶97iv3970
ISK	**IV**	**23 16 21 50.8**	**40.38N**	**27.46E**	**9**	**2.5D**			¶97iv3993
ISC	**IV**	**24 05 20 26**±4.4	**36.7N**±.29	**31.3E**±.16	**6**±33		**5**	**1-2**	
ISK	IV	24 05 20 26.4	36.68N	31.32E	12	3.1D			¶97iv4088
ISC	Poorly determined								
ISK	**IV**	**24 06 20 23.7**	**39.66N**	**29.49E**	**10**	**2.5D**			¶97iv4092
ISK	**IV**	**24 09 47 30.4**	**39.15N**	**27.41E**	**10**	**2.7D**			¶97iv4118
ISK	**IV**	**24 10 55 13.7**	**40.17N**	**29.62E**	**10**	**2.6D**			¶97iv4128
ISK	**IV**	**24 13 01 01.4**	**39.70N**	**29.43E**	**10**	**2.6D**			¶97iv4150
ISK	**IV**	**24 14 51 54.8**	**39.70N**	**29.49E**	**10**	**2.6D**			¶97iv4163
ISC	**IV**	**24 15 05 46**±1.1	**40.62N**±.072	**29.13E**±.083	**7**±12		**11**	**0-2**	
ISK	IV	24 15 05 45.4	40.65N	29.17E	8	3.0D			¶97iv4164
ISK	**IV**	**24 15 14 29.3**	**39.09N**	**27.65E**	**10**	**2.6D**			¶97iv4166
ISC	**IV**	**25 00 00 47**±1.7	**40.7N**±.13	**28.9E**±.30	**12**		**6**	**0-1**	
ISK	IV	25 00 00 46.3	40.67N	29.10E	12	2.5D			¶97iv4240
ISC	Poorly determined								
ISC	**IV**	**25 01 36 55**±1.9	**40.4N**±.15	**29.1E**±.12	**5**±19		**9**	**0-2**	
ISK	IV	25 01 36 55.3	40.47N	29.20E	5	2.7D			¶97iv4253
ISC	Poorly determined								
ISC	**IV**	**25 04 57 19**±6.8	**38.4N**±.46	**30.7E**±.44	**10**		**4**	**1-3**	
ISK	IV	25 04 57 19.3	38.63N	30.58E	10	3.2D			¶97iv4283
ISC	Poorly determined								
ISC	**IV**	**25 04 59 58**±1.4	**38.61N**±.099	**30.6E**±.23	**10**		**6**	**1-2**	
ISK	IV	25 04 59 56.1	38.63N	30.59E	10	3.1D			¶97iv4286
ISC	**IV**	**25 09 16 16**±4.9	**39.0N**±.41	**27.6E**±.17	**9**		**6**	**1-1**	
ISK	IV	25 09 16 17.1	39.15N	27.54E	9	2.7D			¶97iv4315
ISK	**IV**	**25 10 14 41.4**	**39.71N**	**29.43E**	**10**	**2.6D**			¶97iv4319
ISK	**IV**	**25 11 15 08.3**	**38.98N**	**27.53E**	**10**	**2.6D**			¶97iv4333
ISK	**IV**	**25 11 45 30.9**	**40.28N**	**27.01E**	**8**	**2.5D**			¶97iv4337
ISC	**IV**	**25 11 47 25**±1.1	**39.09N**±.087	**27.6E**±.14	**10**		**8**	**1-2**	
ISK	IV	25 11 47 23.9	38.97N	27.58E	10	2.8D			¶97iv4338
ISC	**IV**	**25 12 06 03**±2.7	**39.8N**±.23	**29.4E**±.15	**6**		**4**	**1-2**	
ISK	IV	25 12 06 02.3	39.72N	29.40E	6	2.7D			¶97iv4341
ISC	Poorly determined								
ISC	**IV**	**25 12 22 13**±1.2	**39.1N**±.11	**27.5E**±.31	**10**		**5**	**1-1**	
ISK	IV	25 12 22 11.4	39.16N	27.39E	10	2.7D			¶97iv4342
ISK	**IV**	**25 12 51 28.7**	**41.49N**	**34.54E**	**10**	**2.8D**			¶97iv4344
ISK	**IV**	**25 12 56 28.7**	**39.20N**	**27.32E**	**10**	**2.8D**			¶97iv4345
ISK	**IV**	**25 12 58 43.9**	**40.15N**	**28.74E**	**10**	**2.6D**			¶97iv4346
ISK	**IV**	**25 13 57 01.2**	**39.62N**	**29.50E**	**10**	**2.6D**			¶97iv4351
ISC	**IV**	**25 14 22 31**±1.5	**41.1N**±.16	**28.77E**±.096	**10**		**6**	**0-1**	
ISK	IV	25 14 22 29.4	41.27N	28.81E	10	2.6D			¶97iv4355
ISC	**IV**	**25 15 11 08**±10	**40.2N**±.48	**27.0E**±.84	**5**		**4**	**1-2**	
ISK	IV	25 15 11 07.2	40.20N	26.90E	5	2.6D			¶97iv4368
ISC	Poorly determined								
ISC	**IV**	**25 21 31 01**±1.3	**40.8N**±.13	**27.6E**±.11	**5**±22		**8**	**0-2**	
ISK	IV	25 21 31 01.3	40.81N	27.61E	8	2.5D			¶97iv4420
ISC	Poorly determined								
ISC	**IV**	**26 00 11 33**±1.1	**40.88N**±.071	**28.1E**±.11	**9**±14		**8**	**0-1**	
ISK	IV	26 00 11 33.2	40.87N	28.07E	13	2.6D			¶97iv4434
ISK	**IV**	**26 07 45 54.3**	**39.07N**	**27.82E**	**10**	**2.7D**			¶97iv4493
ISC	**IV**	**26 09 17 36**±1.1	**39.11N**±.090	**27.6E**±.17	**10**		**7**	**1-2**	
ISK	IV	26 09 17 37.7	39.09N	27.63E	10	2.7D			¶97iv4511
ISC	**IV**	**26 09 22 24**±5.2	**39.0N**±.43	**27.5E**±.18	**10**		**6**	**1-1**	
ISK	IV	26 09 22 26.1	39.08N	27.53E	10	2.7D			¶97iv4513
ISK	**IV**	**26 09 43 14.9**	**39.56N**	**29.52E**	**15**	**2.6D**			¶97iv4516
ISC	**IV**	**26 10 04 30**±1.0	**39.14N**±.083	**27.5E**±.17	**10**		**7**	**1-2**	
ISK	IV	26 10 04 29.5	39.18N	27.54E	10	2.7D			¶97iv4518
ISK	**IV**	**26 10 38 05.6**	**39.50N**	**29.60E**	**6**	**2.7D**			¶97iv4528
ISC	**IV**	**26 11 29 55**±8.8	**39.4N**±.80	**27.5E**±.39	**10**		**5**	**1-1**	
ISK	IV	26 11 29 53.6	39.26N	27.57E	10	2.7D			¶97iv4537
ISC	Poorly determined								
ISK	**IV**	**26 12 30 51.8**	**38.98N**	**27.57E**	**10**	**2.7D**			¶97iv4551
ISC	**IV**	**26 16 06 14**±5.3	**40.8N**±.39	**27.6E**±.15	**9**		**5**	**0-1**	
ISK	IV	26 16 06 14.4	40.73N	27.65E	9	2.5D			¶97iv4574
ISK	**IV**	**26 18 12 51.8**	**36.20N**	**35.94E**	**12**	**3.1D**			¶97iv4590
ISC	**IV**	**27 03 50 50**±1.1	**40.75N**±.093	**27.43E**±.082	**12**		**7**	**0-1**	
ISK	IV	27 03 50 50.5	40.76N	27.43E	12	2.4D			¶97iv4654
ISC	**IV**	**27 06 42 12**±1.3	**40.3N**±.14	**27.8E**±.11	**10**		**5**	**0-1**	
ISK	IV	27 06 42 11.8	40.31N	27.84E	10	2.7D			¶97iv4677
ISC	Poorly determined								
ISC	**IV**	**27 08 32 25**±1.0	**39.09N**±.088	**27.6E**±.21	**10**		**7**	**1-2**	
ISK	IV	27 08 32 24.3	39.14N	27.57E	10	2.8D			¶97iv4689
ISK	**IV**	**27 09 00 46.6**	**39.19N**	**27.55E**	**10**	**2.9D**			¶97iv4692
ISK	**IV**	**27 09 27 57.8**	**39.67N**	**29.44E**	**10**	**2.5D**			¶97iv4695
ISK	**IV**	**27 10 36 06.8**	**39.72N**	**29.34E**	**10**	**2.6D**			¶97iv4709
ISK	**IV**	**27 12 15 53.4**	**39.23N**	**26.84E**	**5**	**2.7D**			¶97iv4720
ISC	**IV**	**27 13 03 10**±2.7	**39.1N**±.11	**27.5E**±.47	**10**		**5**	**1-2**	
ISK	IV	27 13 03 08.1	39.17N	27.30E	10	2.8D			¶97iv4727
ISC	Poorly determined								
ISK	**IV**	**27 19 19 26.7**	**39.66N**	**28.59E**	**9**	**2.6D**			¶97iv4781
ISC	**IV**	**27 19 47 58**±1.4	**39.6N**±.12	**29.2E**±.22	**10**		**6**	**0-1**	
ISK	IV	27 19 47 57.1	39.54N	29.03E	10	2.7D			¶97iv4782
ISC	Poorly determined								
ISC	**IV**	**27 21 19 17**±1.6	**40.0N**±.11	**28.1E**±.16	**5**		**5**	**0-1**	
ISK	IV	27 21 19 16.3	40.03N	28.11E	5	2.6D			¶97iv4795
ISC	**IV**	**28 00 23 17.2**±.71	**39.65N**±.065	**28.50E**±.075	**5**		**16**	**1-2**	
ISK	IV	28 00 23 16.6	39.64N	28.47E	5	3.3D			¶97iv4811
ISK	**IV**	**28 00 59 45.9**	**39.36N**	**28.54E**	**10**	**2.7D**			¶97iv4816
ISK	**IV**	**28 01 19 55.5**	**40.54N**	**36.52E**	**5**	**3.2D**			¶97iv4818
ISK	**IV**	**28 02 00 13.3**	**39.76N**	**28.64E**	**10**	**2.6D**			¶97iv4827
ISC	**IV**	**28 06 56 49**±1.5	**39.1N**±.15	**27.9E**±.30	**10**		**4**	**1-1**	
ISK	IV	28 06 56 48.5	39.14N	27.71E	10	2.7D			¶97iv4869
ISC	Poorly determined								
ISC	**IV**	**28 10 41 20**±1.0	**39.18N**±.060	**26.32E**±.070	**13**±7.9		**17**	**0-4**	
ATH	IV	28 10 41 17.2	39.12N	25.90E	5	3.6D			¶97iv4897
ISK	IV	28 10 41 19.7	39.28N	26.49E	10	3.2D			
THE	IV	28 10 41 20.4	39.2N	26.3E	10				
ISC	**IV**	**28 10 55 45**±1.3	**39.15N**±.079	**26.1E**±.11	**11**±9.1		**12**	**0-3**	
ISK	IV	28 10 55 43.8	39.15N	26.18E	10	3.1D			¶97iv4901
ATH	IV	28 10 55 46.3	39.25N	26.45E	10				
THE	IV	28 10 55 46.7	39.2N	26.2E	9				
ISC	**IV**	**28 10 58 49**±1.5	**39.0N**±.15	**27.9E**±.30	**10**		**5**	**1-1**	
ISK	IV	28 10 58 49.0	39.08N	27.74E	10	2.7D			¶97iv4903
ISC	**IV**	**28 12 08 47**±2.4	**40.8N**±.24	**27.5E**±.15	**19**±23		**7**	**0-2**	
ISK	IV	28 12 08 45.5	40.89N	27.50E	13	2.6D			¶97iv4916
ISK	**IV**	**28 14 25 21.9**	**39.57N**	**27.84E**	**9**	**2.6D**			¶97iv4937
ISK	**IV**	**28 14 51 34.9**	**39.54N**	**29.58E**	**11**	**2.7D**			¶97iv4939
ISK	**IV**	**28 15 33 46.7**	**39.12N**	**27.53E**	**13**	**2.7D**			¶97iv4951
ISC	**IV**	**29 02 38 36**±1.2	**39.7N**±.11	**28.5E**±.15	**7**±13		**6**	**0-2**	
ISK	IV	29 02 38 34.8	39.61N	28.45E	5	2.9D			¶97iv5008
ISK	**IV**	**29 03 32 28.3**	**39.69N**	**27.94E**	**5**	**2.6D**			¶97iv5015
ISC	**IV**	**29 04 01 18**±1.1	**40.4N**±.19	**27.7E**±.13	**7**±17		**7**	**0-1**	
ISK	IV	29 04 01 17.5	40.46N	27.77E	5	2.6D			¶97iv5018
ISC	Poorly determined								
ISC	**IV**	**29 04 15 17**±1.4	**38.98N**±.079	**27.2E**±.24	**10**		**5**	**1-2**	
ISK	IV	29 04 15 16.6	39.04N	27.21E	10	2.8D			¶97iv5019
ISK	**IV**	**29 05 53 19.7**	**39.59N**	**29.56E**	**5**	**2.5D**			¶97iv5027
ISK	**IV**	**29 07 43 57.4**	**39.59N**	**29.52E**	**6**	**2.6D**			¶97iv5037
ISC	**IV**	**29 07 51 13**±1.8	**39.1N**±.21	**27.4E**±.97	**13**		**4**	**1-1**	
ISK	IV	29 07 51 13.1	39.10N	27.61E	13	2.7D			¶97iv5039
ISC	Poorly determined								
ISK	**IV**	**29 09 34 51.1**	**39.61N**	**28.70E**	**10**	**2.4D**			¶97iv5052
ISK	**IV**	**29 10 24 06.0**	**39.67N**	**29.45E**	**10**	**2.6D**			¶97iv5060
ISK	**IV**	**29 11 31 37.4**	**39.20N**	**27.40E**	**10**	**2.7D**			¶97iv5071
ISK	**IV**	**29 13 06 48.1**	**38.25N**	**27.82E**	**11**	**3.1D**			¶97iv5077
ISK	**IV**	**29 13 08 54.6**	**40.72N**	**35.17E**	**6**	**2.9D**			¶97iv5078
ISC	**IV**	**29 14 01 54**±1.9	**41.1N**±.18	**28.8E**±.13	**7**±16		**5**	**0-1**	
ISK	IV	29 14 01 54.0	41.16N	28.77E	5	2.6D			¶97iv5087
ISC	Poorly determined								
ISC	**IV**	**29 17 43 54**±2.3	**38.71N**±.067	**27.34E**±.092	**3**±22		**14**	**0-4**	
ISK	IV	29 17 43 54.4	38.71N	27.24E	12	3.4D			¶97iv5106
ATH	IV	29 17 43 55.9	38.67N	27.46E	19	3.7D			
ISK	**IV**	**29 22 45 21.1**	**40.86N**	**28.80E**	**6**	**2.5D**			¶97iv5130
ISC	**IV**	**30 01 19 49**±1.7	**40.8N**±.16	**35.4E**±.13	**10**		**5**	**1-1**	
ISK	IV	30 01 19 48.9	40.77N	35.41E	10	2.8D			¶97iv5141
ISC	Poorly determined								
ISK	**IV**	**30 08 40 55.1**	**39.64N**	**29.47E**	**10**	**2.5D**			¶97iv5186
ISK	**IV**	**30 09 13 36.0**	**39.19N**	**27.40E**	**6**	**2.7D**			¶97iv5189
ISC	**IV**	**30 09 24 52**±1.4	**38.74N**±.081	**27.5E**±.21	**10**		**8**	**1-2**	
ISK	IV	30 09 24 50.6	38.51N	27.40E	10	3.2D			¶97iv5192
ISK	**IV**	**30 11 09 41.6**	**39.29N**	**27.59E**	**12**	**2.7D**			¶97iv5206
ISC	**IV**	**30 11 46 53**±1.7	**39.2N**±.14	**27.5E**±.33	**10**		**4**	**1-2**	
ISK	IV	30 11 46 52.5	39.20N	27.46E	10	2.8D			¶97iv5213
ISC	Poorly determined								
ISC	**IV**	**30 11 50 24**±1.2	**40.7N**±.13	**27.55E**±.098	**10**		**6**	**0-2**	
ISK	IV	30 11 50 23.6	40.67N	27.60E	10	2.7D			¶97iv5214
ISC	**IV**	**30 19 31 31**±6.2	**39.7N**±.43	**28.7E**±.14	**10**		**5**	**0-1**	
ISK	IV	30 19 31 35.4	40.15N	28.71E	10	2.6D			¶97iv5255
ISC	Poorly determined								
ISK	**IV**	**30 23 25 16.1**	**39.69N**	**28.63E**	**10**	**2.6D**			¶97iv5283
ISC	**V**	**01 01 15 56**±1.1	**39.4N**±.11	**27.7E**±.23	**5**		**6**	**1-2**	
ISK	V	01 01 15 55.6	39.33N	27.90E	5	2.8D			¶97v0010
ISC	**V**	**01 06 00 22**±6.1	**39.5N**±.40	**28.3E**±.26	**11**		**4**	**0-1**	
ISK	V	01 06 00 19.9	39.31N	28.30E	11	2.8D			¶97v0043
ISC	Poorly determined								
ISK	**V**	**01 07 16 20.1**	**39.22N**	**27.36E**	**5**	**2.6D**			¶97v0053
ISK	**V**	**01 07 23 22.8**	**40.13N**	**28.29E**	**10**	**2.8D**			¶97v0056
ISK	**V**	**01 09 03 30.5**	**41.01N**	**29.38E**	**10**	**2.6D**			¶97v0066
ISK	**V**	**01 09 18 23.0**	**39.19N**	**27.38E**	**8**	**2.8D**			¶97v0068
ISC	**V**	**01 11 04 44.7**±.82	**39.06N**±.051	**28.09E**±.082	**1**±9.4		**17**	**1-4**	
ISK	V	01 11 04 44.7	38.99N	28.01E	10	3.5D			¶97v0087
ATH	V	01 11 04 48.0	39.19N	28.03E	5	3.8D			
ISK	**V**	**01 12 04 29.4**	**39.40N**	**27.22E**	**5**	**2.8D**			¶97v0096
ISC	**V**	**01 12 33 36**±2.5	**39.2N**±.15	**27.3E**±.54	**12**		**5**	**1-2**	
ISK	V	01 12 33 35.9	39.22N	27.39E	12	2.9D			¶97v0100
ISC	Poorly determined								
ISK	**V**	**01 12 44 59.3**	**40.19N**	**29.56E**	**10**	**2.6D**			¶97v0102
ISK	**V**	**01 15 12 15.8**	**38.90N**	**27.66E**	**10**	**2.7D**			¶97v0116
ISC	**V**	**01 18 15 56.8**±.75	**41.89N**±.069	**32.3E**±.11	**10**		**17**	**2-6**	
ISK	V	01 18 15 57.7	41.94N	32.24E	10	3.3D			¶97v0135
ISK	**V**	**02 05 14 03.1**	**39.63N**	**29.46E**	**6**	**2.7D**			¶97v0208
ISK	**V**	**02 06 11 06.0**	**39.66N**	**29.48E**	**10**	**2.5D**			¶97v0212
ISK	**V**	**02 06 58 20.5**	**39.62N**	**29.55E**	**10**	**2.6D**			¶97v0221
ISK	**V**	**02 07 13 23.0**	**39.75N**	**29.36E**	**10**	**2.5D**			¶97v0222
ISC	**V**	**02 08 33 08**±1.6	**39.83N**±.073	**27.9E**±.14	**8**±12		**9**	**1-3**	
ISK	V	02 08 33 10.6	39.97N	28.08E	7	3.0D			¶97v0233
ISK	**V**	**02 08 36 33.3**	**40.45N**	**28.85E**	**5**	**2.5D**			¶97v0234
ISK	**V**	**02 08 37 31.9**	**37.27N**	**37.14E**	**10**	**3.4D**			¶97v0235
ISC	**V**	**02 08 45 12.6**±.33	**39.67N**±.029	**28.59E**±.037	**7**	**3.7b**,3.4s	**76**	**0-76**	
MOS	V	02 08 45 12.4	39.6N	28.6E	10	4.0b			¶97v0236
ISK	V	02 08 45 12.4	39.63N	28.52E	7	3.9D			
NEIC	V	02 08 45 12.8	39.64N	28.68E	10				
EIDC	V	02 08 45 13.0	39.6N	28.7E	0	3.7b,3.9L			
ATH	V	02 08 45 15.1	39.77N	28.70E	33	4.1D			
THE	V	02 08 45 20.9	39.8N	27.9E	10	4.2L			
NEIC	Felt at Dursunbey.								
ISC	**V**	**02 08 51 10.3**±.98	**39.64N**±.054	**28.51E**±.062	**3**±8.4		**18**	**0-3**	
ISK	V	02 08 51 10.2	39.63N	28.50E	7	3.4D			¶97v0238
ATH	V	02 08 51 19.4	39.74N	27.89E	10	3.6D			
ISC	**V**	**02 08 52 45**±1.3	**39.63N**±.096	**28.5E**±.18	**10**		**6**	**0-2**	
ISK	V	02 08 52 44.8	39.59N	28.59E	10	2.9D			¶97v0239
ISC	Poorly determined								
ISK	**V**	**02 09 08 02.1**	**38.76N**	**28.29E**	**10**	**2.6D**			¶97v0240
ISK	**V**	**02 09 39 49.6**	**39.63N**	**28.62E**	**10**	**2.6D**			¶97v0245
ISC	**V**	**02 09 50 50**±2.0	**40.8N**±.14	**35.3E**±.13	**7**±18		**8**	**0-3**	
ISK	V	02 09 50 50.1	40.74N	35.24E	5	3.3D			¶97v0247
ISK	**V**	**02 10 27 54.5**	**39.61N**	**28.53E**	**13**	**2.5D**			¶97v0249
ISC	**V**	**02 12 50 42**±1.2	**40.5N**±.11	**29.2E**±.11	**8**		**4**	**0-1**	
ISK	V	02 12 50 41.9	40.48N	29.22E	8	2.7D			¶97v0268
ISC	Poorly determined								
ISK	**V**	**02 13 06 54.6**	**39.43N**	**28.76E**	**5**	**2.6D**			¶97v0270
ISK	**V**	**02 13 58 45.2**	**39.51N**	**29.58E**	**10**	**2.5D**			¶97v0276
ISK	**V**	**02 15 47 15.8**	**40.34N**	**26.79E**	**10**	**2.8D**			¶97v0292
ISK	**V**	**02 16 10 20.7**	**39.57N**	**28.63E**	**14**	**2.7D**			¶97v0296
ISK	**V**	**02 19 23 57.8**	**39.56N**	**28.62E**	**11**	**2.7D**			¶97v0319
ISK	**V**	**03 01 25 18.4**	**37.88N**	**27.54E**	**5**	**2.8D**			¶97v0352
ISC	**V**	**03 02 26 35**±11	**39.5N**±.44	**27.8E**±.65	**5**		**4**	**1-2**	
ISK	V	03 02 26 35.5	39.53N	27.83E	5	2.7D			¶97v0360
ISC	Poorly determined								

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISK	**V**	**03 05 05 14.6**	**39.59N**	**28.66E**	**12**	**2.7D**			**¶97v0381**
ISK	**V**	**03 05 28 27.9**	**38.29N**	**30.31E**	**10**	**3.1D**			**¶97v0385**
ISK	**V**	**03 06 54 25.3**	**39.22N**	**27.52E**	**10**	**2.8D**			**¶97v0392**
ISK	**V**	**03 08 10 24.1**	**40.93N**	**29.32E**	**10**	**2.7D**			**¶97v0398**
ISK	**V**	**03 08 36 20.1**	**40.97N**	**29.33E**	**5**	**2.7D**			**¶97v0402**
ISK	**V**	**03 09 06 04.6**	**39.14N**	**27.52E**	**10**	**2.7D**			**¶97v0409**
ISC	**V**	**03 09 36 09**±6.7	**40.7N**±.44	**29.3E**±.30	**5**		**4**	**0-1**	
ISK	V	03 09 36 10.9	40.58N	29.21E	5	2.7D			**¶97v0412**
ISC		Poorly determined							
ISK	**V**	**03 10 46 02.9**	**39.67N**	**28.67E**	**7**	**2.4D**			**¶97v0421**
ISK	**V**	**03 11 40 47.9**	**38.12N**	**28.91E**	**10**	**3.0D**			**¶97v0426**
ISK	**V**	**03 12 08 09.2**	**39.35N**	**27.26E**	**5**	**2.8D**			**¶97v0434**
ISK	**V**	**03 12 22 20.3**	**39.10N**	**27.50E**	**15**	**2.6D**			**¶97v0438**
ISK	**V**	**03 12 41 20.3**	**41.14N**	**28.78E**	**10**	**2.6D**			**¶97v0441**
ISK	**V**	**03 15 39 17.4**	**40.00N**	**29.17E**	**10**	**2.7D**			**¶97v0452**
ISK	**V**	**03 16 05 46.8**	**39.61N**	**28.57E**	**15**	**2.5D**			**¶97v0455**
ISK	**V**	**03 16 44 18.7**	**39.70N**	**28.61E**	**10**	**2.8D**			**¶97v0463**
ISC	**V**	**03 16 45 48.8**±.87	**39.67N**±.061	**28.58E**±.093	**8**		**10**	**0-3**	
ISK	V	03 16 45 48.3	39.66N	28.63E	8	3.1D			**¶97v0464**
ISK	**V**	**03 17 16 37.6**	**39.64N**	**28.65E**	**9**	**2.5D**			**¶97v0473**
ISK	**V**	**03 17 43 14.4**	**39.63N**	**28.49E**	**10**	**2.5D**			**¶97v0477**
ISK	**V**	**03 20 08 40.4**	**40.72N**	**27.52E**	**5**	**2.6D**			**¶97v0492**
ISK	**V**	**03 22 44 30.5**	**39.61N**	**28.59E**	**13**	**2.7D**			**¶97v0508**
ISC	**V**	**04 03 25 38**±1.8	**40.2N**±.25	**32.8E**±.11	**33**		**9**	**1-3**	
									¶97v0549
ISC	**V**	**04 03 32 28.2**±.72	**39.73N**±.058	**28.50E**±.072	**10**		**17**	**0-3**	
ISK	V	04 03 32 26.5	39.68N	28.55E	10	3.2D			**¶97v0552**
ATH	V	04 03 32 36.8	39.82N	27.67E	10	3.5D			
ISK	**V**	**04 06 09 54.1**	**39.14N**	**27.61E**	**10**	**2.8D**			**¶97v0575**
ISK	**V**	**04 07 27 36.6**	**39.16N**	**27.56E**	**10**	**2.8D**			**¶97v0585**
ISK	**V**	**04 08 56 50.6**	**39.19N**	**27.22E**	**5**	**2.8D**			**¶97v0602**
ISK	**V**	**04 09 12 43.5**	**39.19N**	**27.26E**	**5**	**2.8D**			**¶97v0608**
ISC	**V**	**04 11 02 17.0**±.78	**40.27N**±.078	**29.22E**±.077	**5**		**8**	**0-2**	
ISK	V	04 11 02 14.9	40.10N	29.40E	5	2.8D			**¶97v0626**
ISC	**V**	**04 11 12 13**±2.8	**39.2N**±.13	**27.3E**±.67	**25**±45		**5**	**1-2**	
ISK	V	04 11 12 12.4	39.16N	27.49E	10	2.9D			**¶97v0628**
ISC		Poorly determined							
ISC	**V**	**04 13 41 16**±1.3	**39.61N**±.078	**28.5E**±.11	**6**±10		**9**	**0-2**	
ISK	V	04 13 41 15.9	39.60N	28.47E	5	3.1D			**¶97v0646**
ISK	**V**	**04 14 19 31.0**	**39.19N**	**27.33E**	**5**	**2.7D**			**¶97v0651**
ISC	**V**	**04 14 35 56.2**±.67	**39.10N**±.066	**28.03E**±.086	**10**		**14**	**1-4**	
ISK	V	04 14 35 54.7	39.08N	28.00E	10	3.4D			**¶97v0655**
ATH	V	04 14 35 56.4	39.21N	28.18E	13	3.6D			
ISK	**V**	**04 14 55 43.5**	**39.59N**	**29.54E**	**10**	**2.7D**			**¶97v0657**
ISK	**V**	**04 16 00 57.4**	**40.07N**	**28.80E**	**5**	**2.4D**			**¶97v0662**
ISC	**V**	**04 19 23 06**±1.5	**39.4N**±.15	**27.9E**±.24	**10**		**4**	**1-2**	
ISK	V	04 19 23 04.9	39.38N	27.92E	10	2.6D			**¶97v0684**
ISC		Poorly determined							
ISK	**V**	**04 19 39 07.8**	**39.06N**	**38.74E**	**5**	**3.6D**			**¶97v0687**
ISC	**V**	**04 20 20 13**±2.7	**38.93N**±.084	**27.6E**±.14	**1**±24		**9**	**1-3**	
ISK	V	04 20 20 14.1	38.89N	27.54E	13	3.1D			**¶97v0691**
ATH	V	04 20 20 15.4	39.07N	27.57E	5	3.6D			
ISK	**V**	**05 00 07 42.7**	**40.82N**	**27.70E**	**13**	**2.6D**			**¶97v0709**
ISC	**V**	**05 04 54 30**±1.0	**39.71N**±.067	**28.7E**±.21	**6**		**7**	**0-2**	
ISK	V	05 04 54 28.7	39.63N	28.55E	6	3.0D			**¶97v0740**
ISK	**V**	**05 07 51 29.4**	**39.25N**	**27.14E**	**8**	**2.8D**			**¶97v0759**
ISK	**V**	**05 12 22 48.7**	**39.21N**	**27.44E**	**10**	**2.7D**			**¶97v0782**
ISK	**V**	**05 13 47 04.8**	**41.15N**	**28.76E**	**6**	**2.6D**			**¶97v0793**
ISK	**V**	**05 15 15 03.9**	**39.36N**	**27.53E**	**10**	**2.7D**			**¶97v0801**
ISK	**V**	**05 23 32 12.2**	**38.40N**	**30.39E**	**7**	**3.0D**			**¶97v0867**
ISC	**V**	**06 07 45 24**±1.3	**39.1N**±.13	**27.5E**±.31	**10**		**5**	**1-2**	
ISK	V	06 07 45 22.2	39.21N	27.34E	10	2.8D			**¶97v0929**
ISK	**V**	**06 08 12 54.2**	**39.15N**	**27.47E**	**10**	**2.8D**			**¶97v0934**
ISK	**V**	**06 09 14 29.7**	**39.30N**	**27.48E**	**6**	**2.8D**			**¶97v0939**
ISC	**V**	**06 10 41 56**±3.4	**39.1N**±.16	**27.7E**±.61	**7**±48		**5**	**1-2**	
ISK	V	06 10 41 57.9	39.08N	27.61E	10	2.8D			**¶97v0950**
ISC		Poorly determined							
ISK	**V**	**06 11 39 57.4**	**39.15N**	**27.51E**	**10**	**2.7D**			**¶97v0957**
ISK	**V**	**06 11 43 36.9**	**40.11N**	**29.40E**	**5**	**2.5D**			**¶97v0960**
ISK	**V**	**06 13 20 22.3**	**40.12N**	**29.58E**	**5**	**2.6D**			**¶97v0967**
ISK	**V**	**06 21 42 23.3**	**40.50N**	**29.44E**	**10**	**2.4D**			**¶97v1013**
ISC	**V**	**07 03 18 00**±2.5	**39.1N**±.32	**28.1E**±.43	**13**±19		**5**	**1-2**	
ISK	V	07 03 17 56.6	38.91N	27.97E	14	2.8D			**¶97v1048**
ISC		Poorly determined							
ISK	**V**	**07 07 14 17.0**	**38.94N**	**28.22E**	**13**	**2.7D**			**¶97v1060**
ISK	**V**	**07 08 48 43.3**	**39.34N**	**27.23E**	**7**	**2.7D**			**¶97v1070**
ISC	**V**	**07 09 16 26**±2.6	**41.0N**±.21	**29.3E**±.18	**14**		**4**	**0-1**	
ISK	V	07 09 16 25.6	41.07N	29.30E	14	2.6D			**¶97v1075**
ISC		Poorly determined							
ISC	**V**	**07 11 14 17**±1.4	**39.1N**±.25	**27.7E**±.46	**10**		**4**	**1-2**	
ISK	V	07 11 14 18.2	39.06N	27.71E	10	2.8D			**¶97v1090**
ISC		Poorly determined							
ISK	**V**	**07 11 47 49.8**	**39.89N**	**28.80E**	**10**	**2.5D**			**¶97v1097**
ISK	**V**	**07 13 03 24.0**	**39.53N**	**29.62E**	**8**	**2.6D**			**¶97v1108**
ISC	**V**	**07 13 11 14**±1.9	**39.64N**±.091	**28.56E**±.095	**2**±13		**14**	**1-3**	
ISK	V	07 13 11 14.5	39.66N	28.54E	6	3.3D			**¶97v1109**
ATH	V	07 13 11 32.0	39.05N	25.26E	38	3.5D			
ISC	**V**	**07 14 56 14**±1.9	**40.9N**±.16	**29.4E**±.15	**10**		**4**	**0-1**	
ISK	V	07 14 56 13.8	40.91N	29.48E	10	2.7D			**¶97v1115**
ISC		Poorly determined							
ISC	**V**	**08 06 57 29**±1.1	**40.7N**±.11	**27.41E**±.089	**6**±12		**7**	**0-2**	
ISK	V	08 06 57 28.8	40.70N	27.41E	7	2.6D			**¶97v1196**
ISC	**V**	**08 07 08 06**±1.1	**39.14N**±.092	**27.6E**±.13	**10**		**5**	**1-2**	
ISK	V	08 07 08 05.8	39.13N	27.61E	10	2.7D			**¶97v1199**
ISK	**V**	**08 07 45 15.8**	**39.42N**	**27.13E**	**6**	**2.7D**			**¶97v1203**
ISC	**V**	**08 08 17 31**±1.1	**39.10N**±.084	**27.7E**±.15	**10**		**6**	**1-1**	
ISK	V	08 08 17 31.6	39.09N	27.64E	10	2.7D			**¶97v1206**
ISK	**V**	**08 08 49 52.3**	**39.65N**	**29.45E**	**10**	**2.5D**			**¶97v1209**
ISK	**V**	**08 09 33 38.7**	**38.87N**	**27.68E**	**10**	**2.7D**			**¶97v1214**
ISC	**V**	**08 09 52 04**±1.3	**39.1N**±.14	**27.7E**±.33	**10**		**4**	**1-1**	
ISK	V	08 09 52 02.3	39.02N	27.71E	10	2.7D			**¶97v1218**
ISC		Poorly determined							
ISK	**V**	**08 10 39 11.4**	**39.21N**	**27.83E**	**10**	**2.8D**			**¶97v1227**
ISK	**V**	**08 11 00 40.7**	**40.07N**	**27.00E**	**10**	**2.7D**			**¶97v1229**
ISK	**V**	**08 12 13 22.8**	**39.61N**	**29.39E**	**10**	**2.6D**			**¶97v1241**
ISK	**V**	**08 12 21 25.7**	**39.11N**	**27.65E**	**10**	**2.7D**			**¶97v1242**
ISC	**V**	**08 13 29 29**±7.5	**39.7N**±.32	**27.9E**±.52	**10**		**4**	**1-1**	
ISK	V	08 13 29 27.6	39.66N	27.76E	10	2.6D			**¶97v1250**
ISC		Poorly determined							
ISK	**V**	**08 14 23 10.2**	**39.59N**	**29.50E**	**15**	**2.6D**			**¶97v1261**
ISK	**V**	**08 14 48 22.0**	**41.16N**	**28.78E**	**11**	**2.6D**			**¶97v1264**
ISK	**V**	**08 15 55 16.5**	**39.19N**	**27.49E**	**10**	**2.6D**			**¶97v1271**
ISK	**V**	**08 21 29 51.8**	**40.70N**	**35.24E**	**5**	**2.9D**			**¶97v1312**
ISK	**V**	**09 00 38 20.3**	**38.98N**	**29.47E**	**5**	**2.7D**			**¶97v1334**
ISK	**V**	**09 06 34 51.1**	**39.18N**	**27.59E**	**10**	**2.7D**			**¶97v1374**
ISK	**V**	**09 08 27 30.6**	**39.79N**	**29.35E**	**10**	**2.5D**			**¶97v1388**
ISK	**V**	**09 09 02 04.5**	**39.19N**	**27.52E**	**10**	**2.7D**			**¶97v1395**
ISK	**V**	**09 09 04 59.7**	**40.48N**	**29.23E**	**7**	**2.4D**			**¶97v1396**
ISK	**V**	**09 09 24 36.1**	**39.60N**	**29.43E**	**10**	**2.6D**			**¶97v1401**
ISK	**V**	**09 09 32 22.1**	**39.57N**	**29.52E**	**10**	**2.8D**			**¶97v1403**
ISC	**V**	**09 10 08 36**±1.4	**39.1N**±.10	**27.6E**±.25	**10**		**5**	**1-1**	
ISK	V	09 10 08 35.3	39.15N	27.51E	10	2.7D			**¶97v1405**
ISC		Poorly determined							
ISK	**V**	**09 11 59 21.8**	**39.41N**	**29.94E**	**10**	**2.8D**			**¶97v1419**
ISK	**V**	**09 12 10 59.9**	**39.85N**	**28.79E**	**10**	**2.5D**			**¶97v1420**
ATH	**V**	**09 18 50 00.8**	**39.04N**	**27.31E**	**10**				**¶97v1468**
ISK	**V**	**09 20 52 40.3**	**39.90N**	**29.14E**	**5**	**2.4D**			**¶97v1486**
ISC	**V**	**09 20 57 38**±1.2	**40.45N**±.088	**28.7E**±.11	**9**		**5**	**0-1**	
ISK	V	09 20 57 38.3	40.46N	28.70E	9	2.5D			**¶97v1488**
ISC		Poorly determined							
ATH	**V**	**10 00 05 35.5**	**37.88N**	**27.13E**	**10**				**¶97v1504**
ISC	**V**	**10 01 09 14.1**±.90	**37.89N**±.071	**27.33E**±.087	**10**		**6**	**0-2**	
ATH	V	10 01 09 18.0	37.91N	27.18E	10	3.5D			**¶97v1510**
ISC	**V**	**10 07 01 48**±1.3	**39.1N**±.15	**27.7E**±.33	**10**		**4**	**1-1**	
ISK	V	10 07 01 46.3	38.97N	27.74E	10	2.6D			**¶97v1540**
ISC		Poorly determined							
ISK	**V**	**10 07 23 16.4**	**39.21N**	**27.26E**	**5**	**2.8D**			**¶97v1542**
ISK	**V**	**10 07 57 04.3**	**39.53N**	**29.53E**	**15**	**2.7D**			**¶97v1548**
ISC	**V**	**10 09 19 13**±1.6	**39.0N**±.19	**27.8E**±.37	**12**		**4**	**1-1**	
ISK	V	10 09 19 13.7	39.05N	27.75E	12	2.7D			**¶97v1566**
ISC		Poorly determined							
ISK	**V**	**10 10 34 45.9**	**39.13N**	**27.64E**	**10**	**2.7D**			**¶97v1578**
ISC	**V**	**10 11 16 27**±1.3	**39.1N**±.10	**27.6E**±.19	**10**		**4**	**1-1**	
ISK	V	10 11 16 27.1	39.11N	27.61E	10	2.7D			**¶97v1585**
ISC		Poorly determined							
ISK	**V**	**10 11 20 03.7**	**39.78N**	**28.95E**	**10**	**2.4D**			**¶97v1587**
ISK	**V**	**10 14 53 03.6**	**39.28N**	**27.69E**	**5**	**2.7D**			**¶97v1621**
ISC	**V**	**10 23 28 42.3**±.58	**37.54N**±.062	**29.88E**±.065	**8**		**15**	**1-7**	
ISK	V	10 23 28 42.8	37.60N	29.87E	8	3.6D			**¶97v1685**
ISC	**V**	**11 00 42 02.7**±.69	**39.70N**±.053	**28.61E**±.099	**10**		**12**	**0-2**	
ISK	V	11 00 42 01.9	39.69N	28.58E	10	2.9D			**¶97v1692**
ISC	**V**	**11 02 38 06**±1.4	**39.49N**±.098	**27.8E**±.28	**5**		**6**	**1-2**	
ISK	V	11 02 38 06.4	39.47N	27.98E	5	2.7D			**¶97v1706**
ISC		Poorly determined							
ISK	**V**	**11 02 58 08.1**	**39.49N**	**28.01E**	**5**	**2.5D**			**¶97v1712**
ISK	**V**	**11 05 33 35.4**	**39.63N**	**29.51E**	**10**	**2.6D**			**¶97v1733**
ISK	**V**	**11 07 08 55.4**	**38.97N**	**27.81E**	**10**	**2.7D**			**¶97v1743**
ISK	**V**	**11 11 28 29.8**	**39.98N**	**29.22E**	**10**	**2.5D**			**¶97v1774**
ISC	**V**	**11 11 29 08**±1.3	**39.10N**±.099	**27.6E**±.15	**10**		**4**	**1-1**	
ISK	V	11 11 29 07.8	39.03N	27.60E	10	2.7D			**¶97v1775**
ISC		Poorly determined							
ISC	**V**	**11 13 54 56**±1.6	**39.7N**±.15	**28.0E**±.12	**8**		**5**	**1-2**	
ISK	V	11 13 54 55.0	39.71N	27.95E	8	2.8D			**¶97v1786**
ISC	**V**	**11 14 44 05**±2.1	**38.7N**±.11	**27.4E**±.17	**7**±23		**6**	**0-2**	
ISK	V	11 14 44 03.9	38.66N	27.42E	5	3.0D			**¶97v1795**
ISC	**V**	**11 20 03 56**±1.7	**39.46N**±.098	**28.0E**±.11	**3**±17		**7**	**0-1**	
ISK	V	11 20 03 56.2	39.50N	28.00E	5	2.8D			**¶97v1836**
ISK	**V**	**11 20 20 50.5**	**39.23N**	**29.29E**	**6**	**2.7D**			**¶97v1840**
ISC	**V**	**12 07 02 14**±1.1	**39.1N**±.10	**27.6E**±.18	**10**		**5**	**1-2**	
ISK	V	12 07 02 14.2	39.17N	27.61E	10	2.7D			**¶97v1911**
ISC	**V**	**12 08 06 25**±11	**39.0N**±.81	**27.6E**±.34	**10**		**5**	**1-2**	
ISK	V	12 08 06 27.3	39.07N	27.61E	10	2.7D			**¶97v1918**
ISC		Poorly determined							
ISC	**V**	**12 08 12 12**±2.0	**41.2N**±.15	**28.97E**±.092	**11**±11		**9**	**0-2**	
ISK	V	12 08 12 12.3	41.17N	28.93E	11	2.9D			**¶97v1919**
ISC	**V**	**12 10 50 58**±1.4	**39.1N**±.10	**27.6E**±.33	**10**		**4**	**1-1**	
ISK	V	12 10 50 57.7	39.16N	27.52E	10	2.8D			**¶97v1942**
ISC		Poorly determined							
ISK	**V**	**12 11 44 33.1**	**39.90N**	**28.84E**	**10**	**2.4D**			**¶97v1949**
ISC	**V**	**12 21 52 38.2**±.77	**37.91N**±.065	**27.30E**±.097	**10**		**8**	**0-2**	
ISK	V	12 21 52 37.4	37.92N	27.36E	10	3.1D			**¶97v2051**
ATH	V	12 21 52 39.5	37.92N	27.24E	10	3.5D			
ISC	**V**	**13 00 30 25.2**±.93	**37.92N**±.079	**27.3E**±.10	**5**		**7**	**0-2**	
ISK	V	13 00 30 24.9	37.93N	27.36E	5	3.0D			**¶97v2087**
ATH	V	13 00 30 27.4	37.91N	27.21E	10	3.4D			
ISK	**V**	**13 01 08 56.7**	**38.01N**	**27.48E**	**10**	**2.8D**			**¶97v2097**
ISK	**V**	**13 01 25 00.5**	**40.11N**	**28.08E**	**10**	**2.7D**			**¶97v2101**
ISC	**V**	**13 01 29 35.2**±.89	**37.93N**±.075	**27.3E**±.11	**5**		**8**	**0-3**	
ISK	V	13 01 29 35.1	37.92N	27.38E	5	2.9D			**¶97v2102**
ATH	V	13 01 29 38.3	37.88N	27.15E	10	3.3D			
ISC	**V**	**13 06 40 20.0**±.83	**38.17N**±.090	**28.80E**±.074	**5**		**10**	**1-3**	
ISK	V	13 06 40 20.3	38.12N	28.83E	5	3.2D			**¶97v2172**
ISK	**V**	**13 08 33 39.7**	**39.09N**	**27.68E**	**10**	**2.7D**			**¶97v2204**
ISC	**V**	**13 09 29 19**±1.6	**39.1N**±.11	**27.7E**±.27	**10**		**4**	**1-1**	
ISK	V	13 09 29 18.0	39.12N	27.65E	10	2.7D			**¶97v2215**
ISC		Poorly determined							
ISC	**V**	**13 10 30 52.1**±.98	**40.0N**±.11	**39.83E**±.089	**10**		**9**	**1-5**	
ISK	V	13 10 31 01.5	39.75N	38.99E	10	3.5D			**¶97v2227**
ISK	**V**	**13 21 43 08.4**	**39.48N**	**28.00E**	**10**	**2.6D**			**¶97v2336**
ISC	**V**	**14 03 17 47**±1.3	**36.7N**±.20	**31.6E**±.15	**10**		**5**	**1-3**	
ISK	V	14 03 17 49.1	36.71N	31.62E	10	3.4D			**¶97v2380**
ISK	**V**	**14 04 27 01.6**	**40.53N**	**29.06E**	**5**	**2.6D**			**¶97v2389**
ISC	**V**	**14 05 10 46**±1.1	**40.70N**±.087	**30.09E**±.093	**9**		**10**	**0-3**	
ISK	V	14 05 10 47.1	40.66N	29.96E	9	3.4D			**¶97v2394**
ISK	**V**	**14 09 00 52.7**	**39.30N**	**27.82E**	**5**	**2.6D**			**¶97v2418**
ISC	**V**	**14 10 52 49**±1.5	**39.10N**±.071	**27.7E**±.11	**8**±16		**9**	**1-3**	
ISK	V	14 10 52 49.7	39.13N	27.58E	12	2.9D			**¶97v2433**
ISC	**V**	**14 13 10 13.5**±.91	**39.0N**±.11	**27.8E**±.20	**10**		**6**	**1-2**	
ISK	V	14 13 10 13.7	39.05N	27.60E	10	2.7D			**¶97v2454**
ISK	**V**	**14 15 21 35.5**	**40.63N**	**30.00E**	**10**	**2.9D**			**¶97v2468**
ISK	**V**	**14 15 24 40.0**	**39.78N**	**29.29E**	**10**	**2.5D**			**¶97v2469**
ISK	**V**	**14 15 47 21.4**	**40.55N**	**30.01E**	**10**	**2.6D**			**¶97v2475**
ISK	**V**	**14 19 45 44.6**	**40.62N**	**29.83E**	**10**	**2.5D**			**¶97v2502**
ISK	**V**	**15 15 28 34.4**	**39.26N**	**27.29E**	**5**	**2.7D**			**¶97v2638**
ISC	**V**	**16 15 15 00.0**±.86	**38.47N**±.077	**28.35E**±.094	**33**		**13**	**1-4**	
									¶97v2797
ISC	**V**	**16 23 31 21.6**±.78	**38.90N**±.088	**27.8E**±.17	**33**		**8**	**1-2**	
									¶97v2846

ISC	**V**	**17 11 36 59**±2.1	**39.0N**±.11	**27.6E**±.16	**25**±32		**6**	**1-2**
ISK	V	17 11 36 57.0	39.17N	27.44E	6	2.8D		¶97v2922
ISC	**V**	**17 15 13 24**±1.6	**40.2N**±.23	**27.1E**±.39	**21**±50		**7**	**0-2**
ISK	V	17 15 13 22.5	40.09N	27.03E	10	2.7D		¶97v2950
ATH	**V**	**17 20 49 44.7**	**38.95N**	**27.23E**	**31**			¶97v2986
THE	V	17 20 49 48.9	39.0N	25.6E	10			
ISC	**V**	**18 07 45 04**±1.5	**39.1N**±.13	**28.2E**±.23	**10**		**5**	**1-2**
ISK	V	18 07 45 04.8	39.09N	28.32E	10	2.7D		¶97v3050
ISC	**V**	**18 14 44 59.3**±.93	**37.91N**±.076	**27.3E**±.11	**10**		**6**	**0-2**
ATH	V	18 14 45 01.7	37.92N	27.17E	10	3.5D		¶97v3103
ISK	**V**	**19 09 58 33.0**	**39.63N**	**29.44E**	**10**	**2.6D**		¶97v3237
ISK	**V**	**20 08 10 24.7**	**39.68N**	**29.39E**	**10**	**2.6D**		¶97v3374
ISC	**V**	**20 10 00 24**±1.3	**40.2N**±.12	**28.8E**±.10	**9**±19		**5**	**0-1**
ISC	Poorly determined							¶97v3383
ISK	**V**	**22 00 29 04.3**	**38.44N**	**27.04E**	**10**	**2.9D**		¶97v3650
ISK	**V**	**22 07 56 25.9**	**39.33N**	**29.24E**	**10**	**2.5D**		¶97v3734
ISK	**V**	**22 08 17 41.8**	**39.70N**	**29.44E**	**10**	**2.6D**		¶97v3737
ISK	**V**	**22 09 14 31.1**	**39.19N**	**27.43E**	**10**	**2.7D**		¶97v3746
ISK	**V**	**22 09 19 45.3**	**39.72N**	**29.55E**	**10**	**2.6D**		¶97v3747
ISK	**V**	**22 09 44 54.3**	**39.62N**	**29.49E**	**10**	**2.6D**		¶97v3752
ISK	**V**	**22 09 47 30.5**	**39.63N**	**29.51E**	**10**	**2.6D**		¶97v3753
ISC	**V**	**22 11 34 34**±1.5	**39.2N**±.12	**27.6E**±.24	**10**		**4**	**1-1**
ISK	V	22 11 34 33.5	39.28N	27.57E	10	2.7D		¶97v3765
ISC	Poorly determined							
ISK	**V**	**22 11 39 09.5**	**40.44N**	**30.06E**	**5**	**2.6D**		¶97v3766
ISK	**V**	**22 12 29 35.9**	**40.71N**	**28.71E**	**5**	**2.5D**		¶97v3773
ISK	**V**	**22 15 19 27.9**	**38.89N**	**27.64E**	**10**	**2.8D**		¶97v3789
ISK	**V**	**22 16 00 40.7**	**39.22N**	**27.39E**	**5**	**2.6D**		¶97v3794
ISK	**V**	**22 16 21 49.5**	**40.39N**	**29.49E**	**5**	**2.5D**		¶97v3798
ISC	**V**	**22 22 09 32.9**±.86	**40.25N**±.066	**28.91E**±.071	**5**		**8**	**0-1**
ISK	V	22 22 09 32.8	40.25N	28.92E	5	2.9D		¶97v3840
ISC	**V**	**23 00 40 28**±1.3	**40.6N**±.10	**29.1E**±.11	**12**		**6**	**0-1**
ISK	V	23 00 40 27.6	40.67N	29.14E	12	2.6D		¶97v3852
ISK	**V**	**23 03 02 53.8**	**40.03N**	**29.31E**	**5**	**2.6D**		¶97v3874
ISC	**V**	**23 04 39 37**±1.0	**40.98N**±.098	**34.5E**±.11	**10**		**9**	**0-3**
ISK	V	23 04 39 35.7	40.98N	34.48E	10	3.2D		¶97v3886
ISC	**V**	**23 07 36 37.6**±.68	**39.68N**±.054	**29.13E**±.076	**10**		**14**	**0-2**
ISK	V	23 07 36 36.1	39.64N	29.11E	10	3.2D		¶97v3911
ISC	**V**	**23 08 29 15**±2.1	**39.1N**±.23	**27.6E**±.50	**10**		**4**	**1-2**
ISK	V	23 08 29 13.7	39.17N	27.48E	10	2.7D		¶97v3917
ISC	Poorly determined							
ISC	**V**	**23 08 49 28**±2.7	**39.1N**±.10	**27.7E**±.35	**11**±33		**6**	**1-2**
ISK	V	23 08 49 28.8	39.08N	27.55E	10	2.8D		¶97v3920
ISC	**V**	**23 08 54 28**±1.4	**39.2N**±.21	**27.8E**±.35	**10**		**4**	**1-2**
ISK	V	23 08 54 28.2	39.19N	27.85E	10	2.7D		¶97v3921
ISC	Poorly determined							
ISK	**V**	**23 10 57 43.8**	**37.13N**	**28.96E**	**10**	**2.9D**		¶97v3941
ISK	**V**	**23 13 25 18.0**	**38.88N**	**27.72E**	**10**	**2.7D**		¶97v3960
ISC	**V**	**23 13 32 35**±1.0	**36.0N**±.16	**31.0E**±.12	**11**		**10**	**1-4**
ISK	V	23 13 32 35.2	36.06N	31.08E	11	3.6D		¶97v3962
ISK	**V**	**23 14 28 14.4**	**39.65N**	**29.48E**	**10**	**2.6D**		¶97v3964
ISC	**V**	**23 20 26 24**±3.8	**39.6N**±.28	**28.5E**±.27	**15**		**4**	**0-1**
ISK	V	23 20 26 20.4	39.35N	28.33E	15	2.6D		¶97v4002
ISC	Poorly determined							
ISC	**V**	**24 04 29 38.6**±.77	**37.99N**±.056	**27.4E**±.12	**10**		**13**	**0-3**
ISK	V	24 04 29 36.0	37.88N	27.36E	10	3.3D		¶97v4049
ATH	V	24 04 29 38.1	38.12N	27.70E	10	3.8D		
ISC	**V**	**24 08 15 08**±1.4	**39.1N**±.14	**27.6E**±.35	**10**		**4**	**1-1**
ISK	V	24 08 15 06.7	39.15N	27.44E	10	2.7D		¶97v4084
ISC	Poorly determined							
ISK	**V**	**24 08 57 43.8**	**39.22N**	**27.39E**	**5**	**2.6D**		¶97v4087
ISC	**V**	**24 09 25 29**±3.2	**37.7N**±.22	**29.2E**±.31	**5**		**4**	**1-2**
ISK	V	24 09 25 29.6	37.74N	29.15E	5	2.9D		¶97v4089
ISC	Poorly determined							
ISK	**V**	**24 14 14 03.3**	**39.66N**	**29.48E**	**10**	**2.6D**		¶97v4125
ISK	**V**	**24 15 23 09.4**	**38.96N**	**27.67E**	**10**	**2.6D**		¶97v4130
ISC	**V**	**24 18 07 32.6**±.64	**37.99N**±.050	**27.40E**±.096	**6**		**18**	**0-4**
ISK	V	24 18 07 31.1	37.88N	27.26E	6	3.5D		¶97v4153
THE	V	24 18 07 33.6	38.1N	27.7E	10			
ATH	V	24 18 07 36.1	38.07N	27.47E	38	3.8D		
ISK	**V**	**25 00 18 38.3**	**38.29N**	**28.68E**	**5**	**2.8D**		¶97v4189
ISC	**V**	**25 01 34 54.8**±.79	**40.44N**±.043	**26.10E**±.050	**3**±7.6		**22**	**0-3**
THE	V	25 01 34 56.3	40.4N	26.1E	7	2.9L		¶97v4197
ISK	V	25 01 34 56.7	40.39N	26.25E	15	3.0D		
ISC	**V**	**25 05 52 07.7**±.82	**38.92N**±.067	**27.7E**±.15	**10**		**8**	**1-2**
ISK	V	25 05 52 07.8	38.79N	27.79E	10	3.0D		¶97v4224
ISK	**V**	**25 06 57 24.7**	**38.98N**	**27.74E**	**10**	**2.7D**		¶97v4233
ISC	**V**	**25 07 25 08**±1.8	**38.9N**±.21	**27.9E**±.39	**7**		**4**	**1-1**
ISK	V	25 07 25 07.8	38.95N	27.68E	7	2.8D		¶97v4236
ISC	Poorly determined							
ISK	**V**	**25 09 12 05.4**	**39.10N**	**27.68E**	**10**	**2.7D**		¶97v4249
ISC	**V**	**25 12 17 05**±1.3	**39.0N**±.15	**27.7E**±.35	**14**		**4**	**1-1**
ISK	V	25 12 17 04.7	39.11N	27.65E	14	2.7D		¶97v4267
ISC	Poorly determined							
ISK	**V**	**25 13 04 07.0**	**39.21N**	**27.38E**	**10**	**2.6D**		¶97v4276
ISC	**V**	**25 13 41 31**±6.8	**37.9N**±.30	**27.3E**±.85	**5**		**4**	**1-3**
ISK	V	25 13 41 31.7	37.93N	27.42E	5	3.0D		¶97v4280
ISC	Poorly determined							
ISC	**V**	**25 14 48 53.2**±.92	**39.66N**±.071	**28.6E**±.12	**10**		**8**	**0-2**
ISK	V	25 14 48 52.4	39.63N	28.68E	10	3.0D		¶97v4286
ISK	**V**	**25 16 22 05.9**	**38.99N**	**27.75E**	**10**	**2.7D**		¶97v4297
ISC	**V**	**25 19 19 32.4**±.95	**39.70N**±.061	**28.7E**±.13	**10**		**6**	**0-2**
ISK	V	25 19 19 31.5	39.67N	28.71E	10	2.9D		¶97v4315
ISK	**V**	**25 22 47 29.9**	**39.03N**	**27.55E**	**6**	**2.7D**		¶97v4328
ISK	**V**	**26 00 51 52.9**	**38.35N**	**38.92E**	**5**	**3.1D**		¶97v4347
ISC	**V**	**26 02 11 12**±6.8	**37.9N**±.24	**27.1E**±.63	**5**		**4**	**1-2**
ISK	V	26 02 11 12.9	37.92N	27.28E	5	3.0D		¶97v4352
ISC	Poorly determined							
ISK	**V**	**26 08 01 25.0**	**41.05N**	**35.63E**	**10**	**2.8D**		¶97v4388
ISK	**V**	**26 10 10 37.3**	**38.99N**	**27.67E**	**6**	**2.7D**		¶97v4395
ISK	**V**	**26 11 15 13.4**	**39.38N**	**27.42E**	**6**	**2.7D**		¶97v4406
ISK	**V**	**26 14 05 06.8**	**39.75N**	**29.37E**	**10**	**2.5D**		¶97v4423
ISC	**V**	**26 22 09 12**±3.4	**36.1N**±.25	**30.9E**±.15	**5**±21		**6**	**1-3**
ISK	V	26 22 09 11.7	36.04N	30.84E	10	3.3D		¶97v4472
ISK	**V**	**27 05 56 12.8**	**39.61N**	**29.45E**	**10**	**2.5D**		¶97v4520
ISK	**V**	**27 07 05 15.5**	**39.22N**	**27.47E**	**10**	**2.7D**		¶97v4529
ISK	**V**	**27 07 58 26.9**	**39.63N**	**29.28E**	**10**	**2.6D**		¶97v4533
ISC	**V**	**27 08 12 13**±1.4	**39.2N**±.12	**27.7E**±.23	**13**		**4**	**1-1**
ISK	V	27 08 12 13.3	39.31N	27.61E	13	2.7D		¶97v4537
ISC	Poorly determined							
ISC	**V**	**27 08 47 04**±1.8	**39.87N**±.095	**28.9E**±.16	**5**		**4**	**0-1**
ISK	V	27 08 47 04.0	39.87N	28.85E	5	2.5D		¶97v4540
ISC	Poorly determined							
ISC	**V**	**27 08 54 01**±1.1	**39.15N**±.089	**27.5E**±.14	**10**		**5**	**1-1**
ISK	V	27 08 54 00.3	39.18N	27.50E	10	2.7D		¶97v4541
ISC	**V**	**27 09 17 59.6**±.60	**37.96N**±.046	**27.27E**±.089	**10**		**18**	**0-5**
ISK	V	27 09 17 56.9	37.86N	27.13E	10	3.4D		¶97v4544
THE	V	27 09 18 02.5	38.0N	27.2E	49			
ATH	V	27 09 18 03.0	37.98N	27.08E	36	3.8D		
ISC	**V**	**27 09 29 12**±1.1	**39.08N**±.095	**27.7E**±.26	**12**		**5**	**1-2**
ISK	V	27 09 29 12.3	39.09N	27.69E	12	2.8D		¶97v4549
ISC	**V**	**27 09 57 55.2**±.61	**37.95N**±.048	**27.40E**±.084	**10**		**17**	**0-4**
ISK	V	27 09 57 54.3	37.98N	27.47E	10	3.3D		¶97v4552
ATH	V	27 09 57 57.3	38.03N	27.27E	32	3.8D		
ISC	**V**	**27 11 21 22**±1.4	**39.1N**±.13	**27.6E**±.27	**10**		**4**	**1-1**
ISK	V	27 11 21 21.4	39.18N	27.42E	10	2.7D		¶97v4561
ISC	Poorly determined							
ISK	**V**	**27 11 47 47.4**	**40.74N**	**29.10E**	**5**	**2.6D**		¶97v4563
ISK	**V**	**27 12 36 35.7**	**39.18N**	**27.52E**	**5**	**2.7D**		¶97v4568
ISC	**V**	**27 13 35 07**±1.3	**39.0N**±.15	**27.7E**±.29	**10**		**4**	**1-1**
ISK	V	27 13 35 06.0	39.10N	27.62E	10	2.8D		¶97v4577
ISC	Poorly determined							
ISC	**V**	**27 14 00 26**±4.8	**37.9N**±.19	**27.2E**±.56	**10**		**5**	**1-3**
ISK	V	27 14 00 26.2	37.92N	27.25E	10	3.1D		¶97v4580
ISK	**V**	**28 07 22 29.0**	**37.19N**	**35.41E**	**5**	**3.5D**		¶97v4674
ISC	**V**	**28 08 32 06**±1.2	**39.0N**±.15	**27.8E**±.27	**10**		**5**	**1-2**
ISK	V	28 08 32 05.7	39.09N	27.72E	10	2.8D		¶97v4682
ISC	**V**	**28 09 29 45**±7.5	**40.1N**±.45	**29.4E**±.43	**8**		**4**	**0-1**
ISK	V	28 09 29 46.3	40.19N	29.27E	8	2.5D		¶97v4694
ISC	Poorly determined							
ISK	**V**	**28 09 52 51.8**	**39.56N**	**29.66E**	**10**	**2.5D**		¶97v4699
ISC	**V**	**28 10 50 44.2**±.94	**39.88N**±.031	**27.11E**±.035	**2**±7.8		**53**	**1-7**
ATH	V	28 10 50 43.4	39.94N	27.44E	5	4.1L		¶97v4704
ISK	V	28 10 50 44.5	39.89N	27.06E	9	3.8D		
THE	V	28 10 50 46.7	39.9N	27.0E	1	3.8L		
ISK	**V**	**28 11 38 14.8**	**39.70N**	**28.91E**	**5**	**2.5D**		¶97v4707
ISK	**V**	**28 11 39 42.1**	**39.69N**	**28.99E**	**5**	**2.5D**		¶97v4708
ISC	**V**	**28 11 56 44.8**±.92	**37.92N**±.071	**27.3E**±.11	**10**		**7**	**0-2**
ATH	V	28 11 56 47.0	37.87N	27.17E	10	3.4D		¶97v4714
ISC	**V**	**28 12 01 24**±2.2	**39.1N**±.23	**27.5E**±.51	**9**		**4**	**1-2**
ISK	V	28 12 01 23.9	39.17N	27.45E	9	2.7D		¶97v4716
ISC	Poorly determined							
ISC	**V**	**28 12 32 37**±2.6	**39.2N**±.22	**27.5E**±.51	**5**		**4**	**1-2**
ISK	V	28 12 32 36.1	39.21N	27.41E	5	2.7D		¶97v4719
ISC	Poorly determined							
ISK	**V**	**28 15 17 41.8**	**39.19N**	**27.45E**	**5**	**2.6D**		¶97v4740
ISC	**V**	**28 19 18 01**±1.0	**40.7N**±.10	**35.39E**±.091	**6**		**7**	**1-2**
ISK	V	28 19 18 00.0	40.66N	35.33E	6	2.8D		¶97v4763
ISC	**V**	**28 19 29 29**±1.4	**37.89N**±.073	**27.2E**±.10	**11**±12		**9**	**1-3**
ISK	V	28 19 29 29.1	37.92N	27.07E	10	3.2D		¶97v4766
ATH	V	28 19 29 33.7	37.76N	26.94E	10	3.6D		
ISC	**V**	**28 22 30 07.5**±.91	**37.92N**±.065	**27.3E**±.12	**10**		**7**	**0-2**
ISK	V	28 22 30 05.7	37.88N	27.26E	10	3.1D		¶97v4780
ATH	V	28 22 30 09.8	37.93N	27.19E	10	3.5D		
ISC	**V**	**29 01 18 42.1**±.83	**37.87N**±.062	**27.34E**±.095	**5**		**8**	**1-3**
ISK	V	29 01 18 40.3	37.81N	27.18E	5	3.1D		¶97v4797
ATH	V	29 01 18 45.0	37.87N	27.18E	10	3.6D		
ISK	**V**	**29 03 24 20.5**	**38.03N**	**27.63E**	**10**	**2.8D**		¶97v4812
ISC	**V**	**29 03 51 53**±3.8	**37.7N**±.22	**27.4E**±.40	**2**±17		**7**	**1-3**
ISK	V	29 03 51 53.5	37.79N	27.36E	6	3.1D		¶97v4817
ISK	**V**	**29 04 09 14.1**	**37.88N**	**27.31E**	**5**	**2.9D**		¶97v4819
ISC	**V**	**29 05 21 44**±1.9	**39.6N**±.17	**27.0E**±.11	**14**		**8**	**1-2**
ISK	V	29 05 21 43.7	39.58N	26.97E	14	2.8D		¶97v4825
ISK	**V**	**29 06 21 44.3**	**39.58N**	**29.56E**	**10**	**2.6D**		¶97v4830
ISC	**V**	**29 06 52 20**±3.6	**39.1N**±.25	**27.5E**±.39	**0**±36		**5**	**1-2**
ISK	V	29 06 52 19.8	39.15N	27.49E	10	2.8D		¶97v4833
ISC	Poorly determined							
ISC	**V**	**29 08 32 23**±7.3	**37.8N**±.25	**27.1E**±.66	**5**		**4**	**1-2**
ISK	V	29 08 32 24.5	37.91N	27.30E	5	3.1D		¶97v4843
ISC	Poorly determined							
ISC	**V**	**29 10 34 38**±2.4	**41.2N**±.23	**29.2E**±.10	**10**		**6**	**0-2**
ISK	V	29 10 34 35.4	41.28N	29.12E	10	2.9D		¶97v4856
ISC	**V**	**29 11 37 46**±1.3	**39.1N**±.13	**27.7E**±.26	**5**		**4**	**1-1**
ISK	V	29 11 37 46.1	39.14N	27.66E	5	2.7D		¶97v4863
ISC	Poorly determined							
ISK	**V**	**29 11 38 19.0**	**39.25N**	**27.47E**	**6**	**2.6D**		¶97v4864
ISC	**V**	**29 15 06 55**±1.3	**39.07N**±.097	**27.7E**±.18	**7**±14		**7**	**1-2**
ISK	V	29 15 06 54.7	39.12N	27.59E	10	2.8D		¶97v4886
ISC	**V**	**29 15 41 00.9**±.71	**38.16N**±.057	**27.7E**±.11	**5**		**12**	**0-3**
ISK	V	29 15 41 01.2	38.04N	27.51E	5	3.3D		¶97v4892
THE	V	29 15 41 02.0	38.0N	27.3E	0			
ATH	V	29 15 41 05.7	37.88N	27.16E	33	3.8D		
ISC	**V**	**29 15 47 17**±3.1	**38.0N**±.16	**27.3E**±.40	**6**		**6**	**0-2**
ISK	V	29 15 47 15.0	37.97N	27.01E	6	3.0D		¶97v4894
ISC	**V**	**29 16 16 44.1**±.84	**37.91N**±.055	**27.3E**±.12	**10**		**13**	**0-3**
ISK	V	29 16 16 42.7	37.90N	27.25E	10	3.2D		¶97v4898
ATH	V	29 16 16 45.9	37.75N	26.80E	10	3.7D		
ISK	**V**	**29 16 21 27.6**	**37.93N**	**27.39E**	**7**	**3.0D**		¶97v4899
ISK	**V**	**29 16 50 43.4**	**37.89N**	**27.24E**	**10**	**3.1D**		¶97v4900
ISC	**V**	**29 16 53 35**±1.0	**37.89N**±.031	**27.23E**±.044	**11**±7.8	**3.8b**	**62**	**1-78**
ISK	V	29 16 53 34.9	37.90N	27.26E	15	3.8D		¶97v4901
ATH	V	29 16 53 36.3	37.94N	27.34E	26	3.8L		
THE	V	29 16 53 37.5	37.9N	27.3E	33			
NEIC	V	29 16 53 38.0	37.73N	27.69E	33	3.4b		
EIDC	V	29 16 53 51.3	37.9N	27.2E	139	3.4b		
NEIC	Less reliable solution.							
ISK	**V**	**29 17 48 49.2**	**37.92N**	**27.41E**	**10**	**3.0D**		¶97v4906
ISC	**V**	**29 18 10 10.7**±.69	**37.94N**±.054	**27.4E**±.10	**10**		**16**	**0-4**
ISK	V	29 18 10 09.0	37.93N	27.32E	10	3.3D		¶97v4908
THE	V	29 18 10 11.6	38.0N	27.6E	10			
ATH	V	29 18 10 14.5	37.86N	27.05E	37	3.8D		
ISC	**V**	**29 19 20 38**±1.9	**37.8N**±.11	**27.1E**±.17	**5**		**12**	**1-4**
ISK	V	29 19 20 39.1	37.88N	27.29E	5	3.4D		¶97v4919
ISC	**V**	**29 21 11 25**±1.0	**37.83N**±.061	**27.3E**±.16	**7**		**11**	**1-3**
ISK	V	29 21 11 24.7	37.73N	27.48E	7	3.3D		¶97v4922
ATH	V	29 21 11 25.2	37.87N	27.10E	10	3.7D		
ISC	**V**	**29 21 20 40**±4.2	**37.8N**±.17	**27.2E**±.43	**10**		**5**	**1-3**
ISK	V	29 21 20 39.7	37.88N	27.27E	10	2.9D		¶97v4924
ISK	**V**	**29 22 07 48.9**	**37.88N**	**27.11E**	**10**	**2.9D**		¶97v4928
ISC	**V**	**29 22 48 07.0**±.40	**37.91N**±.034	**27.24E**±.043	**11**		**52**	**0-15**
ISK	V	29 22 48 07.1	37.89N	27.31E	11	3.8D		¶97v4934
ATH	V	29 22 48 08.4	37.94N	27.12E	5	3.7L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
THE	V	29 22 48 09.6	37.9N	27.1E	10				
ISC	**V**	**29 23 06 35.5±.79**	**37.90N±.055**	**27.3E±.11**	**10**		**13**	**0-3**	
ISK	V	29 23 06 34.4	37.89N	27.37E	10	3.2D			¶97v4936
ATH	V	29 23 06 37.1	37.76N	26.84E	10	3.8D			
ISC	**V**	**29 23 16 16±3.8**	**37.8N±.17**	**27.3E±.41**	**10**		**5**	**1-3**	
ISK	V	29 23 16 14.5	37.83N	27.11E	10	3.0D			¶97v4938
ISC	**V**	**29 23 39 10±1.6**	**38.0N±.11**	**27.4E±.22**	**9**		**8**	**0-3**	
ISK	V	29 23 39 10.0	37.97N	27.44E	9	3.1D			¶97v4944
ISC	**V**	**29 23 46 13±1.4**	**38.0N±.48**	**41.5E±.14**	**10**		**7**	**1-4**	
ISK	V	29 23 46 10.8	38.23N	41.48E	10	3.5D			¶97v4945
ISC	**V**	**30 00 15 59±8.8**	**37.8N±.27**	**27.1E±.69**	**0±27**		**5**	**1-3**	
ISK	V	30 00 16 01.0	37.85N	27.26E	10	2.7D			¶97v4946
ISC		Poorly determined							
ISK	**V**	**30 00 19 24.2**	**37.86N**	**27.31E**	**10**	**2.9D**			¶97v4947
ISC	**V**	**30 00 27 06±8.4**	**37.7N±.29**	**27.0E±.71**	**10**		**4**	**1-2**	
ISK	V	30 00 27 08.2	37.87N	27.37E	10	2.8D			¶97v4948
ISC		Poorly determined							
ISC	**V**	**30 01 12 22.0±.50**	**37.90N±.037**	**27.31E±.066**	**5**		**25**	**1-5**	
ISK	V	30 01 12 21.3	37.89N	27.32E	5	3.6D			¶97v4954
THE	V	30 01 12 23.6	38.0N	27.5E	10				
ATH	V	30 01 12 24.4	37.90N	27.31E	6	4.0D			
ISC	**V**	**30 02 10 26±4.3**	**37.8N±.17**	**27.1E±.42**	**5**		**6**	**1-3**	
ISK	V	30 02 10 26.9	37.85N	27.27E	5	2.9D			¶97v4961
ISC	**V**	**30 03 42 54±4.0**	**39.1N±.11**	**35.7E±.57**	**8**		**4**	**0-2**	
ISK	V	30 03 42 54.0	39.06N	35.79E	8	2.9D			¶97v4975
ISC		Poorly determined							
ISC	**V**	**30 04 25 53.2±.65**	**37.96N±.051**	**27.4E±.10**	**5**		**11**	**0-2**	
ISK	V	30 04 25 52.5	37.94N	27.44E	5	3.3D			¶97v4979
ATH	V	30 04 25 58.2	37.88N	27.15E	41	3.7D			
ISC	**V**	**30 07 43 17±1.4**	**39.0N±.17**	**27.8E±.34**	**10**		**4**	**1-1**	
ISK	V	30 07 43 16.2	39.16N	27.58E	10	2.8D			¶97v4995
ISC		Poorly determined							
ISK	**V**	**30 07 50 03.6**	**39.14N**	**27.58E**	**10**	**2.7D**			¶97v4998
ISC	**V**	**30 07 57 53.8±.79**	**37.94N±.063**	**27.3E±.11**	**10**		**9**	**0-2**	
ISK	V	30 07 57 50.6	37.87N	27.23E	10	3.1D			¶97v4999
ATH	V	30 07 57 57.4	37.90N	27.18E	35	3.4D			
ISK	**V**	**30 09 23 00.5**	**38.41N**	**27.99E**	**10**	**2.9D**			¶97v5012
ISK	**V**	**30 09 49 28.6**	**37.87N**	**27.28E**	**5**	**2.9D**			¶97v5013
ISK	**V**	**30 10 18 11.8**	**37.83N**	**27.16E**	**5**	**3.0D**			¶97v5019
ISK	**V**	**30 10 20 34.9**	**37.89N**	**27.23E**	**5**	**3.0D**			¶97v5020
ISC	**V**	**30 10 47 26±3.3**	**39.1N±.13**	**26.0E±.15**	**1±20**		**9**	**1-2**	
ISK	V	30 10 47 26.5	39.07N	26.01E	9	3.1D			¶97v5025
ISC	**V**	**30 11 39 03±1.3**	**39.1N±.14**	**27.7E±.33**	**5**		**4**	**1-1**	
ISK	V	30 11 39 02.2	39.18N	27.41E	5	2.7D			¶97v5028
ISC		Poorly determined							
ISK	**V**	**30 12 19 50.2**	**39.00N**	**27.69E**	**10**	**2.7D**			¶97v5035
ISK	**V**	**30 13 06 25.0**	**41.08N**	**30.36E**	**10**	**2.8D**			¶97v5040
ISC	**V**	**30 15 02 39±1.5**	**40.5N±.13**	**29.4E±.15**	**11**		**4**	**0-1**	
ISK	V	30 15 02 37.1	40.70N	29.44E	11	2.7D			¶97v5053
ISC		Poorly determined							
ISC	**V**	**30 15 31 25.2±.78**	**37.91N±.060**	**27.3E±.10**	**5**		**10**	**0-3**	
ISK	V	30 15 31 24.1	37.89N	27.26E	5	3.1D			¶97v5057
ATH	V	30 15 31 28.0	37.87N	27.18E	10	3.5D			
ISK	**V**	**30 16 30 17.7**	**39.60N**	**29.59E**	**10**	**2.6D**			¶97v5061
ISC	**V**	**30 16 33 27.8±.89**	**38.61N±.081**	**31.22E±.089**	**5**		**14**	**1-5**	
ISK	V	30 16 33 27.0	38.63N	31.29E	5	3.4D			¶97v5063
ISC	**V**	**30 18 01 18±1.0**	**40.86N±.069**	**28.20E±.088**	**9±11**		**9**	**1-2**	
ISK	V	30 18 01 18.3	40.86N	28.15E	5	2.8D			¶97v5072
ISC	**V**	**30 20 31 35±1.0**	**40.3N±.15**	**29.65E±.081**	**5**		**5**	**0-2**	
ISK	V	30 20 31 34.3	40.30N	29.68E	5	2.7D			¶97v5092
ISC	**V**	**30 20 43 55±1.3**	**40.7N±.11**	**35.38E±.094**	**2±17**		**7**	**0-3**	
ISK	V	30 20 43 55.0	40.63N	35.38E	5	3.1D			¶97v5096
ISC	**V**	**31 01 54 05±2.2**	**37.93N±.064**	**27.3E±.10**	**2±18**		**11**	**0-3**	
ISK	V	31 01 54 03.9	37.91N	27.26E	5	3.2D			¶97v5138
THE	V	31 01 54 08.0	37.9N	27.2E	10				
ATH	V	31 01 54 08.1	37.91N	27.19E	10	3.6D			
ISK	**V**	**31 07 01 43.1**	**39.59N**	**29.43E**	**5**	**2.5D**			¶97v5163
ISK	**V**	**31 07 40 21.8**	**39.21N**	**27.39E**	**10**	**2.6D**			¶97v5166
ISC	**V**	**31 08 30 10±1.8**	**39.69N±.085**	**29.4E±.11**	**1±15**		**8**	**0-2**	
ISK	V	31 08 30 10.0	39.68N	29.39E	10	2.7D			¶97v5169
ISC	**V**	**31 11 33 25±1.4**	**39.20N±.095**	**27.4E±.24**	**10**		**6**	**1-2**	
ISK	V	31 11 33 24.3	39.22N	27.41E	10	2.8D			¶97v5185
ISK	**V**	**31 12 31 20.8**	**39.14N**	**27.54E**	**10**	**2.6D**			¶97v5189
ISK	**V**	**31 13 11 26.5**	**40.00N**	**28.74E**	**10**	**2.6D**			¶97v5195
ISK	**V**	**31 16 59 02.9**	**39.89N**	**39.79E**	**10**	**3.5D**			¶97v5212
ISC	**V**	**31 19 02 33±4.0**	**37.8N±.18**	**27.2E±.43**	**9**		**8**	**1-3**	
ISK	V	31 19 02 30.3	37.81N	27.01E	9	3.1D			¶97v5223
ISC	**V**	**31 21 54 27±2.5**	**37.5N±.12**	**36.3E±.22**	**9**		**6**	**1-2**	
ISK	V	31 21 54 23.0	37.63N	36.04E	9	3.5D			¶97v5245
ISC	**V**	**31 23 04 02±2.2**	**40.7N±.17**	**30.3E±.14**	**13±17**		**6**	**1-1**	
ISK	V	31 23 03 59.6	40.82N	30.52E	5	2.7D			¶97v5252
ISK	**VI**	**01 01 12 55.9**	**39.66N**	**28.61E**	**10**	**2.5D**			¶97vi0008
ISK	**VI**	**01 04 14 02.5**	**39.68N**	**28.60E**	**5**	**2.5D**			¶97vi0019
ISK	**VI**	**01 08 21 12.8**	**39.22N**	**27.67E**	**5**	**2.7D**			¶97vi0043
ISC	**VI**	**01 08 52 35±1.2**	**38.5N±.12**	**27.5E±.17**	**10**		**4**	**0-2**	
ISK	VI	01 08 52 33.7	38.46N	27.53E	10	2.9D			¶97vi0045
ISC		Poorly determined							
ISK	**VI**	**01 09 38 30.4**	**39.14N**	**27.49E**	**10**	**2.7D**			¶97vi0055
ISC	**VI**	**01 10 33 38.5±.40**	**39.90N±.048**	**42.05E±.052**	**10**	**4.1b,2.9s**	**58**	**1-76**	
NEIC	VI	01 10 33 37.2	39.76N	42.06E	10				¶97vi0060
EIDC	VI	01 10 33 38.0	39.8N	42.0E	0	4.0b,2.6s			
MOS	VI	01 10 33 40.2	40.1N	42.0E	10	4.5b			
ISK	VI	01 10 33 44.9	39.35N	41.69E	10	4.0D			
ISK	**VI**	**01 11 49 27.6**	**39.29N**	**27.12E**	**6**	**2.8D**			¶97vi0073
ISK	**VI**	**01 12 33 32.8**	**39.64N**	**29.70E**	**10**	**2.6D**			¶97vi0085
ISK	**VI**	**01 12 50 19.7**	**39.55N**	**28.60E**	**12**	**2.5D**			¶97vi0086
ISK	**VI**	**01 13 24 58.6**	**39.16N**	**27.50E**	**10**	**2.8D**			¶97vi0090
ISK	**VI**	**01 22 37 59.3**	**36.57N**	**30.97E**	**10**	**3.2D**			¶97vi0148
ISK	**VI**	**01 22 53 33.3**	**40.38N**	**27.44E**	**5**	**2.7D**			¶97vi0151
ISK	**VI**	**02 07 17 10.9**	**39.83N**	**28.83E**	**13**	**2.5D**			¶97vi0203
ISK	**VI**	**02 09 04 09.4**	**39.38N**	**27.28E**	**10**	**2.8D**			¶97vi0214
ISK	**VI**	**02 11 28 09.0**	**39.18N**	**27.55E**	**10**	**2.7D**			¶97vi0225
ISK	**VI**	**02 11 51 27.7**	**39.11N**	**27.63E**	**10**	**2.7D**			¶97vi0229
ISK	**VI**	**02 12 05 49.4**	**39.95N**	**28.84E**	**10**	**2.5D**			¶97vi0230
ISK	**VI**	**02 12 27 22.9**	**39.36N**	**27.34E**	**10**	**2.7D**			¶97vi0237
ISK	**VI**	**02 12 45 30.2**	**39.50N**	**28.30E**	**9**	**2.4D**			¶97vi0239
ISK	**VI**	**02 13 44 35.6**	**38.75N**	**28.16E**	**10**	**2.7D**			¶97vi0246
ISK	**VI**	**02 15 33 34.0**	**37.86N**	**36.46E**	**10**	**3.2D**			¶97vi0260
ISC	**VI**	**02 16 36 24±1.5**	**40.7N±.10**	**29.2E±.12**	**5**		**5**	**0-1**	
ISK	VI	02 16 36 23.8	40.71N	29.26E	5	2.5D			¶97vi0269
ISK	**VI**	**02 22 29 20.4**	**37.39N**	**28.99E**	**10**	**3.0D**			¶97vi0341
ISK	**VI**	**03 00 36 23.1**	**38.03N**	**27.63E**	**10**	**2.9D**			¶97vi0359
ISK	**VI**	**03 06 55 14.8**	**39.16N**	**27.62E**	**8**	**2.7D**			¶97vi0396
ISC	**VI**	**03 06 56 17±1.6**	**39.8N±.13**	**28.5E±.31**	**10**		**5**	**0-1**	
ISK	VI	03 06 56 15.1	39.88N	28.77E	10	2.6D			¶97vi0397
ISC		Poorly determined							
ISK	**VI**	**03 07 33 37.0**	**39.89N**	**28.84E**	**10**	**2.5D**			¶97vi0400
ISK	**VI**	**03 07 35 14.7**	**39.98N**	**28.82E**	**10**	**2.6D**			¶97vi0401
ISK	**VI**	**03 07 52 13.0**	**39.73N**	**29.44E**	**5**	**2.6D**			¶97vi0403
ISK	**VI**	**03 08 20 48.4**	**39.71N**	**29.36E**	**10**	**2.6D**			¶97vi0406
ISK	**VI**	**03 09 27 46.8**	**39.20N**	**27.53E**	**5**	**2.7D**			¶97vi0414
ISC	**VI**	**03 10 50 47±1.8**	**40.8N±.20**	**31.8E±.17**	**33**		**7**	**0-2**	
									¶97vi0434
ISK	**VI**	**03 11 35 50.9**	**39.25N**	**27.69E**	**10**	**2.6D**			¶97vi0441
ISC	**VI**	**03 11 45 35±1.4**	**39.19N±.085**	**27.3E±.25**	**10**		**6**	**1-2**	
ISK	VI	03 11 45 36.1	39.18N	27.48E	10	2.8D			¶97vi0445
ISK	**VI**	**03 12 30 33.3**	**39.84N**	**28.79E**	**10**	**2.6D**			¶97vi0455
ISK	**VI**	**03 12 32 37.8**	**39.86N**	**28.79E**	**10**	**2.5D**			¶97vi0456
ISC	**VI**	**03 19 24 49±1.5**	**40.86N±.086**	**27.7E±.12**	**2±21**		**6**	**1-1**	
ISK	VI	03 19 24 48.5	40.86N	27.77E	5	2.8D			¶97vi0508
ISC		Poorly determined							
ISK	**VI**	**03 22 24 20.3**	**37.98N**	**27.56E**	**10**	**2.9D**			¶97vi0525
ISC	**VI**	**03 22 33 27±1.2**	**37.96N±.041**	**27.48E±.079**	**6±11**		**20**	**0-5**	
ISK	VI	03 22 33 26.7	37.92N	27.47E	10	3.4D			¶97vi0527
ATH	VI	03 22 33 27.7	38.06N	27.53E	5	3.7D			
THE	VI	03 22 33 28.1	38.0N	27.5E	1				
ISC	**VI**	**04 00 04 01.1±.96**	**37.96N±.050**	**27.51E±.080**	**2±9.8**		**18**	**0-4**	
ISK	VI	04 00 04 00.8	37.93N	27.49E	5	3.1D			¶97vi0535
THE	VI	04 00 04 02.7	38.0N	27.5E	1				
ATH	VI	04 00 04 05.7	37.97N	27.45E	32	3.4D			
ISC	**VI**	**04 07 28 45±1.9**	**39.8N±.10**	**28.9E±.16**	**10**		**4**	**0-1**	
ISK	VI	04 07 28 45.5	39.87N	28.81E	10	2.6D			¶97vi0574
ISC		Poorly determined							
ISK	**VI**	**04 07 32 18.6**	**39.89N**	**28.73E**	**10**	**2.6D**			¶97vi0575
ISC	**VI**	**04 07 59 39±2.4**	**39.9N±.22**	**26.8E±.16**	**21±22**		**6**	**0-1**	
ISK	VI	04 07 59 38.5	39.91N	26.86E	5	2.7D			¶97vi0577
ISC		Poorly determined							
ISK	**VI**	**04 08 46 57.9**	**39.63N**	**29.44E**	**10**	**2.7D**			¶97vi0587
ISC	**VI**	**04 10 39 53±1.0**	**40.64N±.095**	**29.91E±.063**	**4±11**		**14**	**0-2**	
ISK	VI	04 10 39 52.6	40.67N	29.90E	9	3.1D			¶97vi0599
ISK	**VI**	**04 11 10 56.1**	**39.59N**	**29.44E**	**10**	**2.5D**			¶97vi0606
ISK	**VI**	**04 12 32 28.4**	**39.21N**	**27.41E**	**5**	**2.7D**			¶97vi0611
ISK	**VI**	**04 12 40 00.1**	**39.28N**	**27.67E**	**14**	**2.7D**			¶97vi0615
ISK	**VI**	**04 15 33 05.3**	**39.34N**	**27.48E**	**10**	**2.8D**			¶97vi0631
ISK	**VI**	**05 06 51 48.1**	**39.68N**	**29.41E**	**5**	**2.6D**			¶97vi0722
ISK	**VI**	**05 07 01 31.2**	**39.23N**	**27.37E**	**5**	**2.7D**			¶97vi0723
ISK	**VI**	**05 07 28 37.0**	**39.63N**	**29.38E**	**10**	**2.5D**			¶97vi0725
ISK	**VI**	**05 07 43 02.8**	**39.12N**	**27.61E**	**5**	**2.7D**			¶97vi0726
ISK	**VI**	**05 07 58 38.9**	**39.88N**	**28.83E**	**10**	**2.5D**			¶97vi0729
ISK	**VI**	**05 08 00 29.1**	**39.91N**	**28.80E**	**10**	**2.5D**			¶97vi0730
ISK	**VI**	**05 08 45 07.4**	**39.19N**	**27.68E**	**10**	**2.7D**			¶97vi0737
ISC	**VI**	**05 08 49 27±1.2**	**37.4N±.10**	**30.0E±.12**	**10**		**4**	**0-1**	
ISK	VI	05 08 49 26.2	37.45N	29.94E	10	3.0D			¶97vi0738
ISC		Poorly determined							
ISK	**VI**	**05 10 38 03.0**	**39.19N**	**27.48E**	**10**	**2.7D**			¶97vi0752
ISC	**VI**	**05 10 51 16±1.3**	**39.73N±.076**	**27.7E±.14**	**26±16**		**9**	**1-3**	
ISK	VI	05 10 51 15.2	39.68N	27.78E	11	2.8D			¶97vi0753
ISK	**VI**	**05 11 56 55.5**	**39.24N**	**27.74E**	**10**	**2.7D**			¶97vi0761
ISC	**VI**	**05 12 18 59±4.3**	**38.0N±.15**	**27.3E±.50**	**10**		**5**	**0-2**	
ISK	VI	05 12 18 57.7	37.98N	27.24E	10	3.0D			¶97vi0764
ISC		Poorly determined							
ISC	**VI**	**05 12 44 13±1.7**	**39.2N±.13**	**27.5E±.36**	**10**		**4**	**1-1**	
ISK	VI	05 12 44 12.3	39.22N	27.39E	10	2.7D			¶97vi0768
ISC		Poorly determined							
ISC	**VI**	**05 13 14 07±2.8**	**40.4N±.18**	**27.9E±.18**	**9**		**5**	**0-1**	
ISK	VI	05 13 14 06.3	40.34N	27.81E	9	2.6D			¶97vi0776
ISK	**VI**	**05 21 29 18.7**	**38.97N**	**27.61E**	**5**	**2.7D**			¶97vi0831
ISC	**VI**	**06 04 48 58±3.8**	**40.6N±.10**	**29.6E±.37**	**6**		**5**	**0-1**	
ISK	VI	06 04 48 53.2	40.73N	29.94E	6	2.7D			¶97vi0886
ISC	**VI**	**06 07 45 02±4.0**	**37.8N±.16**	**27.3E±.42**	**10**		**6**	**1-3**	
ISK	VI	06 07 45 00.1	37.86N	27.18E	10	3.1D			¶97vi0904
ISC	**VI**	**06 07 55 48±1.2**	**39.1N±.13**	**27.7E±.28**	**10**		**5**	**1-2**	
ISK	VI	06 07 55 46.8	39.16N	27.54E	10	2.7D			¶97vi0906
ISK	**VI**	**06 08 34 14.1**	**39.71N**	**29.42E**	**10**	**2.5D**			¶97vi0913
ISK	**VI**	**06 09 25 46.6**	**39.71N**	**29.53E**	**10**	**2.6D**			¶97vi0920
ISK	**VI**	**06 09 28 49.5**	**39.60N**	**29.41E**	**5**	**2.5D**			¶97vi0921
ISK	**VI**	**06 10 17 33.8**	**39.21N**	**27.39E**	**5**	**2.6D**			¶97vi0924
ISC	**VI**	**06 14 49 28±1.4**	**39.3N±.12**	**27.7E±.23**	**14**		**4**	**1-1**	
ISK	VI	06 14 49 28.2	39.32N	27.57E	14	2.7D			¶97vi0945
ISC		Poorly determined							
ISC	**VI**	**06 15 44 42.2±.82**	**40.09N±.037**	**28.14E±.041**	**4±7.3**		**39**	**0-6**	
ISK	VI	06 15 44 42.6	40.13N	28.14E	9	3.6D			¶97vi0954
ATH	VI	06 15 44 47.3	40.34N	27.70E	5	3.7D			
ISK	**VI**	**06 17 58 33.0**	**40.17N**	**28.18E**	**10**	**2.5D**			¶97vi0968
ISC	**VI**	**06 20 04 17±1.3**	**39.4N±.13**	**26.3E±.12**	**8**		**6**	**0-3**	
ISK	VI	06 20 04 15.6	39.41N	26.33E	8	3.0D			¶97vi0988
ISC	**VI**	**07 04 34 55.2±.47**	**36.13N±.062**	**31.54E±.087**	**7**		**22**	**1-6**	
ISK	VI	07 04 34 56.1	36.22N	31.53E	7	3.7D			¶97vi1042
ISK	**VI**	**07 06 29 20.3**	**39.85N**	**28.83E**	**10**	**2.6D**			¶97vi1054
ISK	**VI**	**07 07 40 27.9**	**39.67N**	**29.45E**	**10**	**2.6D**			¶97vi1064
ISK	**VI**	**07 07 48 02.4**	**39.22N**	**27.43E**	**10**	**2.7D**			¶97vi1065
ISC	**VI**	**07 07 49 58±5.6**	**39.9N±.42**	**28.8E±.14**	**9**		**4**	**1-1**	
ISK	VI	07 07 49 57.8	39.79N	28.80E	9	2.6D			¶97vi1066
ISC		Poorly determined							
ISK	**VI**	**07 08 28 20.6**	**39.33N**	**27.56E**	**5**	**2.6D**			¶97vi1069
ISK	**VI**	**07 08 40 30.4**	**39.74N**	**29.53E**	**10**	**2.4D**			¶97vi1070
ISK	**VI**	**07 10 34 16.5**	**39.68N**	**29.41E**	**10**	**2.6D**			¶97vi1082
ISK	**VI**	**07 10 58 58.9**	**39.17N**	**27.55E**	**5**	**2.7D**			¶97vi1085
ISK	**VI**	**07 13 30 15.5**	**39.24N**	**26.95E**	**5**	**2.8D**			¶97vi1100
ISK	**VI**	**07 14 04 46.3**	**39.65N**	**29.32E**	**10**	**2.6D**			¶97vi1105
ISK	**VI**	**07 14 11 30.8**	**40.01N**	**29.18E**	**5**	**2.7D**			¶97vi1107
ISK	**VI**	**07 21 04 21.4**	**37.98N**	**37.94E**	**10**	**3.0D**			¶97vi1143
ISK	**VI**	**07 21 09 34±1.1**	**39.90N±.093**	**27.11E±.079**	**5**		**8**	**1-1**	
ISK	VI	07 21 09 34.4	39.93N	27.08E	5	2.9D			¶97vi1144
ISC	**VI**	**07 23 03 15±1.3**	**39.25N±.084**	**29.1E±.17**	**3±15**		**6**	**1-1**	
ISK	VI	07 23 03 15.7	39.26N	29.12E	7	2.7D			¶97vi1155
ISC	**VI**	**08 01 53 57±1.0**	**40.02N±.068**	**29.17E±.093**	**9±10**		**9**	**0-2**	
ISK	VI	08 01 53 57.0	40.00N	29.22E	8	3.0D			¶97vi1164

ISC	**VI**	**08 02 33 55**±1.1	**37.92N**±.049	**27.21E**±.095	**3**±8.8		**22**	**0-5**	
ATH	VI	08 02 33 54.7	37.59N	26.00E	5	3.9D			¶97vi1168
ISK	VI	08 02 33 56.8	37.99N	27.43E	5	3.5D			
THE	VI	08 02 33 58.1	37.8N	26.9E	7				
ISC	**VI**	**08 03 39 24.6**±.52	**40.85N**±.050	**27.40E**±.058	**5**		**18**	**0-5**	
ISK	VI	08 03 39 23.7	40.80N	27.37E	5	3.2D			¶97vi1173
ISC	**VI**	**08 09 27 39**±1.1	**39.07N**±.089	**27.5E**±.17	**10**		**5**	**1-1**	
ISK	VI	08 09 27 37.8	39.12N	27.48E	10	2.7D			¶97vi1210
ISC	**VI**	**08 10 16 23**±2.3	**38.54N**±.077	**28.6E**±.12	**12**±22		**13**	**1-3**	
ISK	VI	08 10 16 22.5	38.57N	28.57E	10	3.0D			¶97vi1217
ISK	**VI**	**08 10 38 30.4**	**39.46N**	**29.05E**	**10**	**2.6D**			¶97vi1221
ISC	**VI**	**08 10 50 26**±1.1	**39.12N**±.094	**27.6E**±.15	**10**		**5**	**1-1**	
ISK	VI	08 10 50 27.0	39.09N	27.67E	10	2.7D			¶97vi1224
ISC	**VI**	**08 11 07 23**±1.4	**39.1N**±.14	**27.5E**±.36	**10**		**4**	**1-1**	
ISK	VI	08 11 07 23.1	39.06N	27.48E	10	2.6D			¶97vi1227
ISC	Poorly determined								
ISC	**VI**	**08 15 12 09**±2.7	**39.5N**±.12	**26.4E**±.24	**9**±20		**6**	**0-2**	
ISK	VI	08 15 12 08.4	39.45N	26.33E	11	3.0D			¶97vi1253
ISC	**VI**	**08 15 45 26**±1.1	**39.05N**±.092	**27.6E**±.17	**10**		**5**	**1-1**	
ISK	VI	08 15 45 25.1	39.10N	27.51E	10	2.7D			¶97vi1256
ISC	**VI**	**08 16 39 44.7**±.94	**40.72N**±.087	**29.96E**±.060	**9**±8.8		**13**	**0-2**	
ISK	VI	08 16 39 44.1	40.76N	29.99E	8	3.1D			¶97vi1264
ISC	**VI**	**08 17 04 07**±1.8	**38.50N**±.090	**27.3E**±.21	**3**±23		**8**	**0-2**	
ISK	VI	08 17 04 06.8	38.48N	27.24E	8	3.0D			¶97vi1267
ISC	**VI**	**08 22 01 14**±4.9	**38.4N**±.20	**27.2E**±.62	**10**		**5**	**0-3**	
ISK	VI	08 22 01 08.0	38.17N	26.88E	10	2.9D			¶97vi1292
ISC	**VI**	**09 03 53 11**±1.8	**37.7N**±.11	**27.5E**±.19	**10**		**9**	**1-3**	
ISK	VI	09 03 53 12.7	37.76N	27.57E	10	3.1D			¶97vi1326
ISK	**VI**	**09 06 30 52.8**	**39.68N**	**29.49E**	**10**	**2.5D**			¶97vi1342
ISK	**VI**	**09 07 29 15.0**	**39.54N**	**29.49E**	**5**	**2.5D**			¶97vi1350
ISC	**VI**	**09 07 47 04**±2.4	**39.7N**±.14	**29.4E**±.13	**5**±15		**6**	**1-2**	
ISK	VI	09 07 47 03.4	39.67N	29.44E	10	2.5D			¶97vi1355
ISK	**VI**	**09 07 57 31.8**	**39.66N**	**29.44E**	**10**	**2.5D**			¶97vi1357
ISC	**VI**	**09 09 17 08**±7.7	**39.1N**±.66	**27.6E**±.18	**15**		**4**	**1-1**	
ISK	VI	09 09 17 08.2	39.10N	27.53E	15	2.6D			¶97vi1369
ISC	Poorly determined								
ISC	**VI**	**09 09 22 55**±1.2	**39.2N**±.11	**27.7E**±.17	**10**		**6**	**1-2**	
ISK	VI	09 09 22 54.0	39.27N	27.70E	10	2.8D			¶97vi1371
ISK	**VI**	**09 09 31 35.8**	**39.63N**	**29.40E**	**5**	**2.5D**			¶97vi1372
ISC	**VI**	**09 09 46 54**±1.4	**39.1N**±.14	**27.6E**±.34	**10**		**4**	**1-1**	
ISK	VI	09 09 46 54.3	39.09N	27.58E	10	2.6D			¶97vi1376
ISC	Poorly determined								
ISC	**VI**	**09 10 02 14.0**±.87	**40.28N**±.073	**26.80E**±.092	**9**		**7**	**0-2**	
ISK	VI	09 10 02 14.2	40.26N	26.82E	9	2.7D			¶97vi1378
ISK	**VI**	**09 11 37 40.3**	**40.23N**	**29.64E**	**10**	**2.5D**			¶97vi1389
ISC	**VI**	**09 13 59 31.9**±.38	**41.41N**±.039	**31.52E**±.043	**10**		**40**	**1-6**	
ISK	VI	09 13 59 31.4	41.35N	31.57E	10	3.8D			¶97vi1402
ISC	**VI**	**09 16 33 11**±1.3	**39.2N**±.11	**29.2E**±.25	**9**		**4**	**1-1**	
ISK	VI	09 16 33 11.4	39.22N	29.20E	9	2.7D			¶97vi1421
ISC	Poorly determined								
ISC	**VI**	**09 18 26 43**±1.0	**37.18N**±.076	**30.5E**±.11	**10**		**6**	**0-3**	
ISK	VI	09 18 26 41.3	37.16N	30.51E	10	3.2D			¶97vi1432
ISK	**VI**	**10 02 36 46.8**	**39.48N**	**28.27E**	**10**	**2.6D**			¶97vi1466
ISK	**VI**	**10 07 31 46.4**	**39.62N**	**29.58E**	**8**	**2.6D**			¶97vi1488
ISC	**VI**	**10 07 43 42**±2.4	**39.08N**±.097	**27.6E**±.15	**10**±25		**7**	**1-2**	
ISK	VI	10 07 43 42.3	39.15N	27.56E	7	2.8D			¶97vi1490
ISC	**VI**	**10 08 16 10**±1.0	**39.21N**±.094	**27.8E**±.13	**10**		**6**	**1-2**	
ISK	VI	10 08 16 09.0	39.24N	27.72E	10	2.8D			¶97vi1494
ISK	**VI**	**10 08 45 53.6**	**38.98N**	**27.60E**	**10**	**2.7D**			¶97vi1499
ISK	**VI**	**10 09 03 45.7**	**41.53N**	**34.97E**	**5**	**2.7D**			¶97vi1500
ISC	**VI**	**10 09 28 15**±1.1	**39.09N**±.091	**27.6E**±.15	**10**		**5**	**1-1**	
ISK	VI	10 09 28 14.3	39.13N	27.50E	10	2.7D			¶97vi1504
ISK	**VI**	**10 09 29 46.5**	**39.64N**	**29.44E**	**10**	**2.5D**			¶97vi1505
ISC	**VI**	**10 10 13 28**±1.4	**39.25N**±.038	**28.18E**±.050	**6**±11		**38**	**0-7**	
ISK	VI	10 10 13 28.1	39.23N	28.21E	7	3.6D			¶97vi1509
ATH	VI	10 10 13 30.9	39.35N	28.11E	10	3.8D			
ISK	**VI**	**10 10 20 40.3**	**38.95N**	**27.70E**	**10**	**2.7D**			¶97vi1511
ISC	**VI**	**10 12 38 31**±2.3	**39.1N**±.29	**27.7E**±.36	**5**±46		**5**	**1-1**	
ISK	VI	10 12 38 32.0	39.06N	27.81E	10	2.7D			¶97vi1521
ISC	Poorly determined								
ISC	**VI**	**10 12 43 26**±2.5	**39.2N**±.31	**27.7E**±.37	**6**±51		**5**	**1-1**	
ISK	VI	10 12 43 26.1	39.24N	27.76E	13	2.7D			¶97vi1522
ISC	Poorly determined								
ISC	**VI**	**10 12 46 42**±5.7	**39.4N**±.34	**28.0E**±.29	**10**		**5**	**1-2**	
ISK	VI	10 12 46 41.6	39.42N	28.06E	10	2.6D			¶97vi1523
ISC	**VI**	**10 13 06 10**±1.2	**39.1N**±.11	**27.6E**±.17	**10**		**5**	**1-7**	
ISK	VI	10 13 06 08.6	39.13N	27.54E	10	2.6D			¶97vi1526
ISC	**VI**	**10 13 26 43**±1.4	**39.1N**±.12	**27.5E**±.26	**5**		**4**	**1-1**	
ISK	VI	10 13 26 43.0	39.16N	27.54E	5	2.7D			¶97vi1528
ISC	Poorly determined								
ISC	**VI**	**10 14 18 42**±1.8	**39.2N**±.12	**27.8E**±.28	**10**		**4**	**1-1**	
ISK	VI	10 14 18 42.4	39.25N	27.70E	10	2.7D			¶97vi1533
ISC	Poorly determined								
ISK	**VI**	**10 14 44 27.3**	**39.62N**	**29.52E**	**10**	**2.6D**			¶97vi1536
ISC	**VI**	**10 15 13 05**±1.4	**39.1N**±.15	**27.8E**±.31	**13**		**4**	**1-1**	
ISK	VI	10 15 13 05.5	39.23N	27.73E	13	2.7D			¶97vi1541
ISC	Poorly determined								
ISC	**VI**	**11 08 04 59**±1.1	**39.11N**±.093	**27.6E**±.15	**10**		**5**	**1-1**	
ISK	VI	11 08 04 58.7	38.99N	27.61E	10	2.7D			¶97vi1639
ISC	**VI**	**11 08 17 37**±1.9	**40.3N**±.24	**29.1E**±.14	**10**		**4**	**0-1**	
ISK	VI	11 08 17 37.0	40.30N	29.15E	10	2.5D			¶97vi1640
ISC	Poorly determined								
ISC	**VI**	**11 08 44 06**±1.1	**39.10N**±.094	**27.6E**±.17	**10**		**5**	**1-1**	
ISK	VI	11 08 44 05.3	38.99N	27.63E	10	2.8D			¶97vi1646
ISC	**VI**	**11 09 09 13**±1.1	**39.13N**±.089	**27.5E**±.14	**10**		**5**	**1-1**	
ISK	VI	11 09 09 12.9	39.13N	27.50E	10	2.7D			¶97vi1651
ISC	**VI**	**11 09 25 18**±9.1	**38.7N**±.62	**28.4E**±.80	**5**		**4**	**1-2**	
ISK	VI	11 09 25 20.9	38.83N	28.15E	5	2.7D			¶97vi1656
ISC	Poorly determined								
ISK	**VI**	**11 11 00 43.4**	**38.99N**	**27.59E**	**10**	**2.6D**			¶97vi1675
ISK	**VI**	**11 11 11 17.9**	**40.39N**	**27.79E**	**7**	**2.5D**			¶97vi1679
ISC	**VI**	**11 11 39 05**±3.7	**39.6N**±.28	**28.8E**±.16	**6**		**4**	**0-1**	
ISK	VI	11 11 39 05.4	39.60N	28.74E	6	2.7D			¶97vi1682
ISC	Poorly determined								
ISC	**VI**	**11 11 45 52**±2.6	**39.2N**±.29	**27.7E**±.34	**7**±49		**5**	**1-1**	
ISK	VI	11 11 45 52.8	39.27N	27.64E	12	2.7D			¶97vi1683
ISC	Poorly determined								
ISK	**VI**	**11 11 47 08.6**	**40.38N**	**31.45E**	**10**	**2.7D**			¶97vi1684
ISC	**VI**	**11 12 30 52**±1.1	**39.07N**±.099	**27.7E**±.17	**10**		**5**	**1-1**	
ISK	VI	11 12 30 50.7	38.93N	27.73E	10	2.7D			¶97vi1688
ISC	**VI**	**11 12 42 50**±2.2	**39.1N**±.25	**27.6E**±.31	**9**±40		**5**	**1-1**	
ISK	VI	11 12 42 49.1	39.14N	27.52E	10	2.7D			¶97vi1691
ISC	Poorly determined								
ISC	**VI**	**11 13 37 23**±2.0	**39.6N**±.18	**30.11E**±.098	**10**		**7**	**1-2**	
ISK	VI	11 13 37 21.3	39.46N	30.15E	10	2.7D			¶97vi1695
ISC	**VI**	**11 14 34 23**±1.1	**39.29N**±.089	**27.5E**±.16	**8**		**5**	**1-2**	
ISK	VI	11 14 34 22.6	39.29N	27.53E	8	2.8D			¶97vi1702
ISC	**VI**	**11 16 09 52**±1.3	**39.1N**±.13	**27.7E**±.26	**10**		**4**	**1-1**	
ISK	VI	11 16 09 50.9	39.19N	27.53E	10	2.7D			¶97vi1716
ISC	Poorly determined								
ISC	**VI**	**11 22 26 14**±5.3	**40.2N**±.32	**29.4E**±.37	**10**		**4**	**0-1**	
ISK	VI	11 22 26 10.8	40.16N	29.67E	10	2.5D			¶97vi1762
ISC	Poorly determined								
ISC	**VI**	**11 23 15 30**±3.2	**36.7N**±.18	**29.9E**±.14	**2**±17		**6**	**0-3**	
ISK	VI	11 23 15 29.6	36.71N	29.91E	6	3.3D			¶97vi1768
ISC	**VI**	**12 02 04 17**±2.4	**38.8N**±.25	**27.9E**±.41	**12**		**4**	**1-2**	
ISK	VI	12 02 04 17.3	38.88N	27.85E	12	2.7D			¶97vi1788
ISC	Poorly determined								
ISC	**VI**	**12 07 14 21**±1.4	**39.1N**±.13	**27.6E**±.27	**10**		**4**	**1-1**	
ISK	VI	12 07 14 20.6	39.15N	27.47E	10	2.7D			¶97vi1811
ISC	Poorly determined								
ISK	**VI**	**12 07 52 34.0**	**39.22N**	**27.38E**	**5**	**2.7D**			¶97vi1814
ISC	**VI**	**12 10 07 42.6**±.91	**39.13N**±.071	**27.6E**±.13	**10**		**6**	**1-2**	
ISK	VI	12 10 07 42.3	39.00N	27.56E	10	2.7D			¶97vi1824
ISC	**VI**	**12 11 32 47**±1.2	**39.3N**±.11	**27.6E**±.14	**10**		**4**	**1-1**	
ISK	VI	12 11 32 47.3	39.33N	27.55E	10	2.7D			¶97vi1832
ISC	Poorly determined								
ISK	**VI**	**12 11 57 13.2**	**39.62N**	**29.47E**	**10**	**2.5D**			¶97vi1839
ISC	**VI**	**12 12 26 54**±1.3	**39.1N**±.12	**27.7E**±.19	**10**		**4**	**1-1**	
ISK	VI	12 12 26 53.0	39.13N	27.67E	10	2.7D			¶97vi1844
ISC	Poorly determined								
ISC	**VI**	**12 12 29 37**±1.2	**39.1N**±.11	**27.6E**±.16	**6**		**4**	**1-1**	
ISK	VI	12 12 29 37.0	39.14N	27.57E	6	2.7D			¶97vi1845
ISC	Poorly determined								
ISC	**VI**	**12 13 37 23**±1.0	**39.25N**±.086	**27.7E**±.13	**10**		**5**	**1-2**	
ISK	VI	12 13 37 22.6	39.25N	27.69E	10	2.8D			¶97vi1854
ISK	**VI**	**12 14 56 03.1**	**39.10N**	**27.68E**	**10**	**2.5D**			¶97vi1862
ISC	**VI**	**12 22 02 48**±1.1	**40.14N**±.096	**28.93E**±.092	**10**		**5**	**0-1**	
ISK	VI	12 22 02 48.0	40.17N	28.92E	10	2.5D			¶97vi1903
ISC	**VI**	**13 07 36 06**±1.4	**39.91N**±.098	**28.8E**±.14	**10**		**4**	**0-1**	
ISK	VI	13 07 36 06.5	39.88N	28.80E	10	2.5D			¶97vi1948
ISC	Poorly determined								
ISK	**VI**	**13 08 04 33.7**	**38.92N**	**27.75E**	**10**	**2.6D**			¶97vi1950
ISC	**VI**	**13 08 05 20**±3.9	**40.1N**±.42	**28.8E**±.12	**10**		**4**	**0-1**	
ISK	VI	13 08 05 18.6	40.04N	28.80E	10	2.6D			¶97vi1951
ISC	Poorly determined								
ISK	**VI**	**13 08 16 18.8**	**39.10N**	**27.53E**	**10**	**2.8D**			¶97vi1953
ISC	**VI**	**13 09 12 39**±1.3	**39.0N**±.11	**27.8E**±.19	**10**		**5**	**1-1**	
ISK	VI	13 09 12 37.8	38.84N	27.91E	10	2.7D			¶97vi1961
ISC	**VI**	**13 09 46 16**±1.3	**39.0N**±.16	**27.8E**±.35	**10**		**4**	**1-1**	
ISK	VI	13 09 46 14.9	39.14N	27.50E	10	2.7D			¶97vi1967
ISC	Poorly determined								
ISC	**VI**	**13 10 14 39**±1.0	**40.2N**±.11	**28.8E**±.12	**23**±19		**6**	**0-1**	
ISK	VI	13 10 14 38.9	40.23N	28.80E	11	2.6D			¶97vi1970
ISC	**VI**	**13 11 32 55**±1.1	**39.26N**±.092	**27.7E**±.13	**5**		**5**	**1-1**	
ISK	VI	13 11 32 55.6	39.27N	27.63E	5	2.7D			¶97vi1980
ISC	**VI**	**13 12 16 19**±3.7	**40.1N**±.18	**29.4E**±.39	**26**±27		**5**	**0-1**	
ISK	VI	13 12 16 19.3	40.18N	29.27E	14	2.6D			¶97vi1984
ISC	Poorly determined								
ISC	**VI**	**13 12 32 06**±1.1	**40.14N**±.063	**29.24E**±.076	**1**±11		**11**	**0-2**	
ISK	VI	13 12 32 05.2	40.13N	29.31E	10	3.0D			¶97vi1986
ISC	**VI**	**13 14 01 49**±1.4	**39.1N**±.13	**27.6E**±.27	**10**		**4**	**1-1**	
ISK	VI	13 14 01 48.3	39.17N	27.46E	10	2.7D			¶97vi1999
ISC	Poorly determined								
ISC	**VI**	**13 14 26 13**±1.3	**40.5N**±.11	**29.3E**±.21	**22**±16		**6**	**0-1**	
ISK	VI	13 14 26 12.3	40.48N	29.25E	10	2.7D			¶97vi2005
ISC	**VI**	**13 16 13 15.0**±.80	**39.27N**±.067	**27.7E**±.10	**10**		**8**	**1-2**	
ISK	VI	13 16 13 13.7	39.26N	27.71E	10	2.8D			¶97vi2014
ISC	**VI**	**13 19 00 02**±2.9	**39.7N**±.15	**38.4E**±.34	**7**		**9**	**1-5**	
ISK	VI	13 19 00 01.3	39.76N	38.43E	7	3.5D			¶97vi2028
ISC	**VI**	**13 21 28 51**±1.2	**40.6N**±.11	**29.08E**±.087	**5**		**5**	**0-1**	
ISK	VI	13 21 28 50.6	40.67N	29.11E	5	2.7D			¶97vi2044
ISK	**VI**	**14 00 02 51.2**	**40.62N**	**29.04E**	**5**	**2.5D**			¶97vi2059
ISK	**VI**	**14 01 42 56.4**	**39.64N**	**39.79E**	**10**	**3.5D**			¶97vi2071
ISC	**VI**	**14 02 21 21**±1.2	**37.9N**±.11	**30.3E**±.13	**4**±17		**6**	**0-3**	
ISK	VI	14 02 21 20.7	37.91N	30.26E	8	3.2D			¶97vi2076
ISC	**VI**	**14 03 09 15**±1.4	**39.33N**±.093	**27.9E**±.19	**10**		**6**	**1-2**	
ISK	VI	14 03 09 12.5	39.25N	27.84E	10	2.8D			¶97vi2079
ISK	**VI**	**14 04 26 54.5**	**39.31N**	**27.86E**	**5**	**2.6D**			¶97vi2086
ISC	**VI**	**14 07 47 18.6**±.59	**40.00N**±.070	**32.58E**±.059	**7**		**20**	**1-5**	
ISK	VI	14 07 47 17.9	39.92N	32.64E	7	3.6D			¶97vi2102
ISC	**VI**	**14 09 01 34**±1.1	**39.24N**±.092	**27.6E**±.14	**13**		**5**	**1-1**	
ISK	VI	14 09 01 34.4	39.30N	27.57E	13	2.7D			¶97vi2106
ISK	**VI**	**14 09 43 39.6**	**39.67N**	**29.36E**	**10**	**2.6D**			¶97vi2113
ISC	**VI**	**14 10 12 05**±11	**39.4N**±.44	**29.9E**±.69	**10**		**5**	**1-2**	
ISK	VI	14 10 12 11.0	39.62N	29.51E	10	2.6D			¶97vi2116
ISC	**VI**	**14 10 13 02**±12	**39.4N**±.45	**29.9E**±.77	**10**		**5**	**1-2**	
ISK	VI	14 10 13 07.2	39.64N	29.54E	10	2.6D			¶97vi2117
ISK	**VI**	**14 11 02 04.0**	**39.90N**	**28.78E**	**10**	**2.5D**			¶97vi2119
ISK	**VI**	**14 11 23 55.8**	**39.20N**	**27.44E**	**10**	**2.6D**			¶97vi2121
ISC	**VI**	**14 12 15 36**±2.7	**39.2N**±.11	**27.7E**±.16	**5**±22		**7**	**1-2**	
ISK	VI	14 12 15 36.7	39.23N	27.66E	15	2.7D			¶97vi2125
ISC	**VI**	**14 12 48 12**±1.2	**39.2N**±.10	**29.2E**±.20	**10**		**5**	**1-1**	
ISK	VI	14 12 48 11.0	39.26N	29.28E	10	2.6D			¶97vi2130
ISK	**VI**	**14 14 42 34.1**	**40.55N**	**29.53E**	**10**	**2.4D**			¶97vi2137
ISK	**VI**	**14 14 51 23.0**	**39.64N**	**29.49E**	**6**	**2.6D**			¶97vi2138
ISC	**VI**	**14 22 42 39**±3.4	**40.9N**±.18	**34.2E**±.31	**8**		**5**	**1-2**	
ISK	VI	14 22 42 36.6	40.76N	33.99E	8	3.2D			¶97vi2184
ISC	Poorly determined								
ISC	**VI**	**15 03 02 28.3**±.71	**39.34N**±.065	**28.06E**±.096	**5**		**11**	**1-3**	
ISK	VI	15 03 02 28.2	39.31N	28.14E	5	2.9D			¶97vi2224
ISC	**VI**	**15 07 05 56**±1.4	**39.25N**±.092	**26.9E**±.18	**11**		**4**	**1-1**	
ISK	VI	15 07 05 56.0	39.28N	26.96E	11	2.7D			¶97vi2257
ISC	Poorly determined								
ISK	**VI**	**15 07 20 53.2**	**39.01N**	**27.16E**	**5**	**2.9D**			¶97vi2258
ISK	**VI**	**15 07 38 44.9**	**39.09N**	**27.74E**	**10**	**2.8D**			¶97vi2260
ISC	**VI**	**15 07 39 47**±1.1	**39.28N**±.091	**28.1E**±.13	**7**		**11**	**1-3**	
ISK	VI	15 07 39 46.2	39.24N	28.22E	7	3.1D			¶97vi2261
ISC	**VI**	**15 07 44 18**±2.1	**39.2N**±.18	**28.3E**±.33	**12**		**4**	**0-1**	
ISK	VI	15 07 44 17.8	39.22N	28.27E	12	2.7D			¶97vi2262
ISC	Poorly determined								

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**VI 15 09 14 18**±1.3	**39.1N**±.16	**27.8E**±.33	**10**		**4**	**1-1**	
ISK	VI 15 09 14 17.2	39.15N	27.56E	10	2.7D			¶97vi2270
ISC	Poorly determined							
ISK	**VI 15 09 23 42.0**	**38.57N**	**27.89E**	**10**	**2.7D**			¶97vi2272
ISC	**VI 15 10 06 40**±11	**40.7N**±.14	**30.0E**±.78	**3**±24		**8**	**0-2**	
ISK	VI 15 10 06 41.1	40.72N	29.92E	7	2.8D			¶97vi2278
ISC	**VI 15 12 23 22**±8.8	**40.8N**±.16	**29.9E**±.68	**1**±19		**7**	**0-2**	
ISK	VI 15 12 23 21.6	40.77N	29.91E	6	2.8D			¶97vi2291
ISC	**VI 15 12 39 55**±1.4	**39.0N**±.17	**27.8E**±.35	**10**		**4**	**1-1**	
ISK	VI 15 12 39 54.5	39.12N	27.56E	10	2.8D			¶97vi2298
ISC	Poorly determined							
ISC	**VI 15 15 13 44**±1.2	**39.2N**±.11	**28.0E**±.20	**10**		**5**	**1-2**	
ISK	VI 15 15 13 44.2	39.24N	28.04E	10	2.7D			¶97vi2319
ISK	**VI 15 15 35 30.4**	**38.93N**	**37.92E**	**10**	**2.9D**			¶97vi2323
ISC	**VI 15 17 23 13**±4.7	**40.1N**±.22	**38.9E**±.47	**10**		**7**	**2-5**	
ISK	VI 15 17 23 08.5	40.18N	39.19E	10	3.4D			¶97vi2334
ISC	**VI 16 00 07 19**±9.3	**40.7N**±.14	**29.8E**±.77	**7**±17		**6**	**0-2**	
ISK	VI 16 00 07 18.5	40.71N	29.77E	10	2.7D			¶97vi2379
ISC	**VI 16 02 25 54**±4.1	**39.6N**±.24	**28.3E**±.23	**11**		**4**	**0-1**	
ISK	VI 16 02 25 48.5	39.31N	28.10E	11	2.6D			¶97vi2389
ISC	Poorly determined							
ISC	**VI 16 03 02 08**±1.3	**39.3N**±.11	**28.0E**±.18	**7**		**5**	**1-2**	
ISK	VI 16 03 02 08.0	39.29N	27.99E	7	2.7D			¶97vi2394
ISC	**VI 16 05 12 15**±1.5	**40.8N**±.14	**29.96E**±.093	**9**±12		**8**	**0-2**	
ISK	VI 16 05 12 14.6	40.78N	29.95E	5	2.9D			¶97vi2405
ISC	**VI 16 06 37 05**±1.4	**39.1N**±.13	**27.6E**±.27	**10**		**4**	**1-1**	
ISK	VI 16 06 37 04.2	39.17N	27.44E	10	2.7D			¶97vi2413
ISC	Poorly determined							
ISC	**VI 16 07 14 19**±1.4	**39.1N**±.13	**27.5E**±.27	**5**		**4**	**1-1**	
ISK	VI 16 07 14 19.4	39.15N	27.47E	5	2.7D			¶97vi2416
ISC	Poorly determined							
ISK	**VI 16 07 22 32.0**	**39.55N**	**29.62E**	**10**	**2.7D**			¶97vi2418
ISC	**VI 16 07 32 24.2**±.69	**40.72N**±.073	**29.94E**±.055	**8**		**18**	**0-3**	
ISK	VI 16 07 32 23.8	40.72N	29.90E	8	3.3D			¶97vi2419
ISK	**VI 16 08 06 06.2**	**39.86N**	**29.22E**	**10**	**2.6D**			¶97vi2424
ISK	**VI 16 08 07 09.6**	**38.90N**	**29.10E**	**10**	**2.8D**			¶97vi2425
ISC	**VI 16 08 18 05.7**±.56	**37.92N**±.048	**29.14E**±.068	**10**	3.8b	**22**	**0-76**	
ISK	VI 16 08 18 04.2	37.92N	29.17E	10	3.6D			¶97vi2426
ISC	**VI 16 08 27 15**±1.5	**37.8N**±.12	**29.2E**±.13	**8**±17		**5**	**1-2**	
ISK	VI 16 08 27 15.5	37.83N	29.24E	12	3.0D			¶97vi2427
ISC	Poorly determined							
ISC	**VI 16 09 14 36**±1.3	**39.1N**±.15	**27.8E**±.32	**15**		**4**	**1-1**	
ISK	VI 16 09 14 35.5	39.13N	27.69E	15	2.7D			¶97vi2433
ISC	Poorly determined							
ISC	**VI 16 11 21 13**±1.4	**39.3N**±.13	**28.0E**±.22	**5**±18		**5**	**1-2**	
ISK	VI 16 11 21 12.9	39.26N	27.97E	8	2.7D			¶97vi2446
ISC	Poorly determined							
ISK	**VI 16 11 22 19.3**	**40.68N**	**29.96E**	**10**	**2.4D**			¶97vi2447
ISC	**VI 16 12 15 14.3**±.81	**39.27N**±.063	**27.6E**±.10	**10**		**8**	**1-2**	
ISK	VI 16 12 15 13.3	39.28N	27.65E	10	2.9D			¶97vi2457
ISC	**VI 16 12 33 47**±1.1	**39.05N**±.098	**27.8E**±.14	**10**		**7**	**1-2**	
ISK	VI 16 12 33 46.8	39.02N	27.87E	10	2.8D			¶97vi2458
ISK	**VI 16 12 47 41.9**	**37.97N**	**29.12E**	**5**	**2.9D**			¶97vi2460
ISC	**VI 16 13 31 07**±1.0	**38.2N**±.11	**29.21E**±.097	**10**		**7**	**0-2**	
ISK	VI 16 13 31 05.9	38.13N	29.19E	10	3.2D			¶97vi2468
ISC	**VI 16 13 36 58**±5.6	**37.9N**±.21	**27.2E**±.53	**1**±20		**5**	**1-3**	
ISK	VI 16 13 36 59.4	37.95N	27.31E	5	3.0D			¶97vi2469
ISC	Poorly determined							
ISC	**VI 16 14 42 35.1**±.56	**37.88N**±.041	**27.18E**±.072	**5**		**22**	**1-5**	
ISK	VI 16 14 42 35.5	37.91N	27.30E	5	3.5D			¶97vi2481
THE	VI 16 14 42 36.8	37.9N	27.1E	5				
ATH	VI 16 14 42 39.2	37.88N	26.98E	35	3.8D			
ISC	**VI 16 14 45 48.8**±.69	**37.85N**±.053	**27.23E**±.086	**10**		**15**	**1-3**	
ISK	VI 16 14 45 48.6	37.94N	27.36E	10	3.5D			¶97vi2482
ATH	VI 16 14 45 50.7	37.81N	27.07E	10	3.8D			
THE	VI 16 14 45 50.8	37.8N	27.1E	9				
ISC	**VI 16 15 00 44.7**±.51	**37.88N**±.041	**29.07E**±.061	**37**±8.3	**3.7b**	**33**	**1-63**	
EIDC	VI 16 15 00 40.7	37.6N	29.3E	0	3.8b,4.0L			¶97vi2484
ISK	VI 16 15 00 41.3	37.95N	29.12E	10	3.8D			
NEIC	VI 16 15 00 43.8	37.67N	29.27E	33				
NEIC	Less reliable solution.							
ISK	**VI 16 20 17 27.7**	**40.60N**	**29.41E**	**5**	**2.6D**			¶97vi2509
ISC	**VI 17 00 19 41**±1.2	**38.00N**±.074	**27.5E**±.13	**2**±12		**14**	**0-3**	
ISK	VI 17 00 19 40.7	37.97N	27.48E	5	3.2D			¶97vi2529
ATH	VI 17 00 19 43.0	37.83N	27.08E	10	3.5D			
ISC	**VI 17 04 20 17**±5.9	**40.7N**±.33	**30.0E**±.15	**0**±42		**5**	**1-2**	
ISK	VI 17 04 20 17.8	40.69N	29.93E	10	2.8D			¶97vi2551
ISC	Poorly determined							
ISK	**VI 17 07 31 02.3**	**40.06N**	**28.90E**	**10**	**2.5D**			¶97vi2570
ISK	**VI 17 08 32 31.9**	**38.69N**	**27.53E**	**10**	**3.0D**			¶97vi2579
ISC	**VI 17 09 28 33.5**±.69	**37.91N**±.067	**29.09E**±.075	**7**		**9**	**1-3**	
ISK	VI 17 09 28 33.4	37.92N	29.11E	7	3.4D			¶97vi2589
ISC	**VI 17 09 29 40.4**±.92	**38.14N**±.085	**29.2E**±.10	**8**		**7**	**0-2**	
ISK	VI 17 09 29 40.0	38.14N	29.15E	8	3.3D			¶97vi2590
ISC	**VI 17 10 53 40.6**±.63	**37.83N**±.054	**29.01E**±.073	**10**		**14**	**1-4**	
ISK	VI 17 10 53 38.9	37.89N	29.05E	10	3.3D			¶97vi2599
ISC	**VI 17 11 17 33**±1.3	**39.2N**±.12	**27.7E**±.23	**10**		**4**	**1-1**	
ISK	VI 17 11 17 32.9	39.23N	27.70E	10	2.7D			¶97vi2605
ISC	Poorly determined							
ISC	**VI 17 11 19 12**±1.3	**39.91N**±.093	**28.9E**±.11	**13**		**5**	**0-1**	
ISK	VI 17 11 19 12.1	39.93N	28.88E	13	2.5D			¶97vi2607
ISC	**VI 17 11 43 36.1**±.80	**39.00N**±.057	**30.36E**±.085	**6**		**21**	**1-6**	
ISK	VI 17 11 43 36.0	39.00N	30.39E	6	3.4D			¶97vi2611
ISC	**VI 17 12 16 03**±1.1	**39.05N**±.099	**27.7E**±.17	**14**		**5**	**1-1**	
ISK	VI 17 12 16 03.5	39.11N	27.64E	14	2.7D			¶97vi2623
ISK	**VI 17 12 22 36.1**	**39.97N**	**28.90E**	**10**	**2.6D**			¶97vi2624
ISC	**VI 17 12 32 10**±6.4	**40.7N**±.16	**29.7E**±.61	**13**		**4**	**0-1**	
ISK	VI 17 12 32 06.5	40.73N	29.95E	13	2.7D			¶97vi2627
ISC	Poorly determined							
ISC	**VI 17 15 02 28**±1.1	**39.23N**±.094	**27.7E**±.14	**9**		**5**	**1-1**	
ISK	VI 17 15 02 28.5	39.25N	27.66E	9	2.7D			¶97vi2650
ISC	**VI 17 16 18 39.4**±.80	**39.08N**±.076	**27.6E**±.14	**11**		**8**	**1-2**	
ISK	VI 17 16 18 39.5	39.14N	27.54E	11	2.8D			¶97vi2659
ISC	**VI 17 16 29 00**±1.1	**39.15N**±.094	**27.6E**±.16	**14**		**5**	**1-1**	
ISK	VI 17 16 29 00.0	39.20N	27.58E	14	2.6D			¶97vi2663
ISK	**VI 18 06 39 46.9**	**39.50N**	**29.55E**	**6**	**2.6D**			¶97vi2738
ISC	**VI 18 07 44 18**±1.1	**39.13N**±.094	**27.6E**±.15	**10**		**5**	**1-1**	
ISK	VI 18 07 44 16.8	39.03N	27.67E	10	2.7D			¶97vi2747
ISC	**VI 18 07 47 29**±7.6	**39.5N**±.36	**29.5E**±.42	**9**		**5**	**1-1**	
ISK	VI 18 07 47 29.2	39.52N	29.48E	9	2.6D			¶97vi2748
ISC	**VI 18 08 00 08**±1.4	**39.88N**±.092	**28.9E**±.11	**5**		**5**	**0-1**	
ISK	VI 18 08 00 08.2	39.88N	28.88E	5	2.5D			¶97vi2750
ISC	**VI 18 08 03 22**±1.3	**39.87N**±.090	**28.9E**±.11	**10**		**5**	**0-1**	
ISK	VI 18 08 03 21.9	39.87N	28.86E	10	2.5D			¶97vi2751
ISK	**VI 18 08 05 08.6**	**40.42N**	**29.15E**	**10**	**2.5D**			¶97vi2752
ISC	**VI 18 09 10 45**±1.4	**39.2N**±.14	**27.6E**±.33	**10**		**4**	**1-1**	
ISK	VI 18 09 10 45.7	39.14N	27.57E	10	2.7D			¶97vi2765
ISC	Poorly determined							
ISC	**VI 18 09 26 05**±6.6	**37.3N**±.17	**30.9E**±.62	**10**		**4**	**0-2**	
ISK	VI 18 09 26 02.7	37.37N	30.94E	10	3.1D			¶97vi2769
ISC	Poorly determined							
ISC	**VI 18 12 59 05**±1.5	**39.1N**±.11	**27.6E**±.26	**5**		**4**	**1-1**	
ISK	VI 18 12 59 04.5	39.11N	27.65E	5	2.7D			¶97vi2784
ISC	Poorly determined							
ISC	**VI 18 13 50 52**±1.4	**37.11N**±.048	**28.03E**±.058	**2**±12		**19**	**0-5**	
ISK	VI 18 13 50 52.4	37.23N	28.12E	10	3.5D			¶97vi2794
THE	VI 18 13 50 53.8	37.1N	28.0E	3				
ATH	VI 18 13 50 54.3	37.04N	27.99E	5	3.9D			
ISC	**VI 19 07 25 11.4**±.87	**39.31N**±.092	**28.0E**±.14	**9**		**8**	**1-2**	
ISK	VI 19 07 25 11.1	39.24N	28.08E	9	2.9D			¶97vi2879
ISC	**VI 19 07 44 02**±10	**39.5N**±.56	**29.6E**±.60	**9**		**5**	**1-2**	
ISK	VI 19 07 44 05.6	39.65N	29.35E	9	2.6D			¶97vi2882
ISC	**VI 19 07 50 34**±1.4	**39.2N**±.14	**27.6E**±.33	**5**		**4**	**1-1**	
ISK	VI 19 07 50 34.0	39.21N	27.44E	5	2.7D			¶97vi2883
ISC	Poorly determined							
ISC	**VI 19 07 51 28**±2.3	**39.1N**±.23	**27.5E**±.29	**11**±39		**5**	**1-1**	
ISK	VI 19 07 51 27.8	39.15N	27.46E	10	2.7D			¶97vi2884
ISC	Poorly determined							
ISK	**VI 19 08 52 10.8**	**39.56N**	**29.58E**	**10**	**2.7D**			¶97vi2886
ISC	**VI 19 09 00 46**±1.0	**39.24N**±.089	**27.7E**±.13	**9**		**6**	**1-2**	
ISK	VI 19 09 00 45.8	39.26N	27.64E	9	2.6D			¶97vi2889
ISC	**VI 19 09 15 39**±11	**39.6N**±.59	**29.5E**±.72	**8**		**5**	**1-1**	
ISK	VI 19 09 15 37.9	39.53N	29.57E	8	2.6D			¶97vi2890
ISC	**VI 19 10 30 06**±1.4	**40.8N**±.18	**30.38E**±.084	**10**		**6**	**1-2**	
ISK	VI 19 10 30 05.5	41.01N	30.19E	10	2.8D			¶97vi2898
ISC	**VI 19 10 51 50**±1.1	**39.09N**±.099	**27.7E**±.17	**10**		**5**	**1-1**	
ISK	VI 19 10 51 49.4	38.96N	27.73E	10	2.7D			¶97vi2904
ISK	**VI 19 12 20 05.6**	**40.02N**	**28.81E**	**10**	**2.5D**			¶97vi2917
ISC	**VI 19 13 20 10.8**±.72	**39.63N**±.053	**29.04E**±.073	**5**		**20**	**0-3**	
ISK	VI 19 13 20 11.0	39.63N	28.96E	5	3.3D			¶97vi2922
ISC	**VI 19 13 34 54**±1.1	**39.63N**±.059	**28.95E**±.072	**10**±8.1		**19**	**0-3**	
ISK	VI 19 13 34 55.0	39.64N	28.86E	10	3.2D			¶97vi2924
ISC	**VI 19 14 21 29**±1.6	**39.12N**±.085	**27.5E**±.15	**10**±16		**6**	**1-2**	
ISK	VI 19 14 21 28.4	39.16N	27.49E	10	2.9D			¶97vi2926
ISC	**VI 19 23 10 42.0**±.86	**37.10N**±.070	**28.06E**±.094	**10**		**9**	**0-3**	
ISK	VI 19 23 10 41.9	37.24N	28.14E	10	3.2D			¶97vi2973
ATH	VI 19 23 10 47.2	36.72N	27.61E	5	3.7D			
ISC	**VI 19 23 15 44**±1.0	**40.49N**±.099	**28.78E**±.078	**10**		**5**	**0-1**	
ISK	VI 19 23 15 43.2	40.47N	28.79E	10	2.6D			¶97vi2974
ISC	**VI 20 02 57 33.1**±.93	**40.83N**±.067	**28.67E**±.085	**11**		**6**	**0-1**	
ISK	VI 20 02 57 33.1	40.86N	28.69E	11	2.5D			¶97vi2996
ISC	**VI 20 07 38 34**±1.1	**39.09N**±.092	**27.6E**±.15	**10**		**5**	**1-1**	
ISK	VI 20 07 38 33.4	39.14N	27.52E	10	2.7D			¶97vi3024
ISC	**VI 20 08 31 07**±1.0	**39.20N**±.093	**27.7E**±.13	**10**		**6**	**1-2**	
ISK	VI 20 08 31 07.2	39.25N	27.73E	10	2.7D			¶97vi3030
ISK	**VI 20 08 53 28.4**	**39.52N**	**29.63E**	**10**	**2.6D**			¶97vi3035
ISK	**VI 20 09 31 26.4**	**39.54N**	**29.61E**	**10**	**2.6D**			¶97vi3038
ISC	**VI 20 11 02 40**±1.4	**39.1N**±.14	**27.6E**±.35	**10**		**4**	**1-1**	
ISK	VI 20 11 02 38.3	39.18N	27.40E	10	2.7D			¶97vi3043
ISC	Poorly determined							
ISC	**VI 20 11 39 14**±1.4	**41.1N**±.15	**28.9E**±.13	**2**±18		**7**	**0-1**	
ISK	VI 20 11 39 13.4	41.14N	28.98E	5	2.8D			¶97vi3050
ISC	**VI 20 12 12 05**±1.2	**39.1N**±.11	**27.6E**±.16	**10**		**4**	**1-1**	
ISK	VI 20 12 12 05.8	39.16N	27.54E	10	2.7D			¶97vi3053
ISC	Poorly determined							
ISC	**VI 20 13 20 58**±1.2	**40.4N**±.19	**29.1E**±.10	**5**		**4**	**0-1**	
ISK	VI 20 13 20 58.4	40.45N	29.13E	5	2.6D			¶97vi3065
ISC	Poorly determined							
ISK	**VI 20 13 44 51.1**	**38.95N**	**27.47E**	**10**	**2.7D**			¶97vi3069
ISK	**VI 20 16 02 45.8**	**37.76N**	**29.31E**	**5**	**2.9D**			¶97vi3079
ISC	**VI 20 16 31 23**±7.0	**36.3N**±.62	**29.2E**±.19	**10**		**4**	**1-2**	
ISK	VI 20 16 31 21.9	36.18N	29.14E	10	3.1D			¶97vi3085
ISC	Poorly determined							
ISC	**VI 20 16 59 57**±2.3	**39.0N**±.11	**26.2E**±.32	**10**		**9**	**1-3**	
ISK	VI 20 16 59 58.2	39.04N	26.55E	10	3.2D			¶97vi3086
ISC	**VI 21 03 46 09**±1.4	**39.2N**±.13	**29.0E**±.31	**9**		**4**	**1-1**	
ISK	VI 21 03 46 08.5	39.20N	28.94E	9	2.8D			¶97vi3151
ISC	Poorly determined							
ISK	**VI 21 07 35 39.7**	**39.52N**	**29.63E**	**10**	**2.5D**			¶97vi3177
ISC	**VI 21 08 47 10**±1.1	**39.07N**±.098	**27.7E**±.17	**10**		**5**	**1-1**	
ISK	VI 21 08 47 08.7	38.92N	27.70E	10	2.7D			¶97vi3186
ISC	**VI 21 08 51 01**±1.2	**39.1N**±.10	**27.7E**±.17	**10**		**5**	**1-1**	
ISK	VI 21 08 50 59.3	38.98N	27.81E	10	2.7D			¶97vi3187
ISC	**VI 21 10 58 37**±1.3	**39.1N**±.14	**27.6E**±.34	**10**		**4**	**1-1**	
ISK	VI 21 10 58 36.8	39.06N	27.59E	10	2.7D			¶97vi3203
ISC	Poorly determined							
ISK	**VI 21 11 05 25.1**	**39.57N**	**29.57E**	**5**	**2.6D**			¶97vi3204
ISC	**VI 21 11 34 30**±1.0	**39.99N**±.098	**30.02E**±.099	**12**		**7**	**1-2**	
ISK	VI 21 11 34 27.5	39.99N	30.26E	12	2.8D			¶97vi3207
ISC	**VI 21 12 23 37**±1.1	**39.11N**±.095	**27.7E**±.17	**10**		**5**	**1-1**	
ISK	VI 21 12 23 37.3	39.09N	27.66E	10	2.7D			¶97vi3215
ISC	**VI 21 12 32 08**±1.2	**39.2N**±.11	**27.7E**±.14	**10**		**5**	**1-1**	
ISK	VI 21 12 32 08.6	39.18N	27.69E	10	2.7D			¶97vi3216
ISC	**VI 21 13 17 14**±1.2	**39.1N**±.10	**27.7E**±.18	**10**		**5**	**1-1**	
ISK	VI 21 13 17 12.1	38.91N	27.74E	10	2.7D			¶97vi3225
ISC	**VI 21 19 13 41**±2.4	**37.8N**±.18	**29.2E**±.24	**5**		**4**	**1-2**	
ISK	VI 21 19 13 41.5	37.87N	29.08E	5	3.0D			¶97vi3269
ISC	Poorly determined							
ISC	**VI 22 03 43 45**±3.1	**40.2N**±.36	**28.1E**±.18	**14**±13		**5**	**0-1**	
ISK	VI 22 03 43 44.8	40.20N	28.11E	10	2.6D			¶97vi3319
ISC	Poorly determined							
ISC	**VI 22 04 31 51**±7.1	**36.7N**±.56	**30.0E**±.32	**14**±17		**5**	**0-2**	
ISK	VI 22 04 31 50.4	36.66N	29.98E	10	3.1D			¶97vi3326
ISC	Poorly determined							
ISC	**VI 22 05 20 54**±5.1	**39.6N**±.31	**26.0E**±.32	**11**		**6**	**0-2**	
ISK	VI 22 05 20 52.3	39.45N	25.98E	11	2.8D			¶97vi3330
ISK	**VI 22 08 02 04.7**	**39.17N**	**27.44E**	**10**	**2.7D**			¶97vi3344
ISC	**VI 22 08 05 15**±1.1	**39.1N**±.12	**27.6E**±.30	**10**		**6**	**1-1**	
ISK	VI 22 08 05 13.8	39.16N	27.40E	10	2.8D			¶97vi3345

ISK	VI	22 08 54 23.8	39.19N	27.36E	7	2.7D	¶97vi3355
ISK	VI	22 09 02 21.7	39.70N	27.10E	10	2.6D	¶97vi3358
ISK	VI	22 09 20 30.8	39.15N	27.49E	10	2.7D	¶97vi3362
ISC	VI	22 09 49 58±1.0	39.11N±.085	27.6E±.16	10		6 1-1
ISK	VI	22 09 49 57.6	39.15N	27.51E	10	2.7D	¶97vi3365
ISC	VI	22 10 40 25±1.1	39.32N±.056	26.13E±.090	11±8.3		15 0-2
ISK	VI	22 10 40 24.5	39.32N	26.24E	7	3.0D	¶97vi3374
ATH	VI	22 10 40 24.6	39.31N	26.33E	17	3.0D	
THE	VI	22 10 40 25.4	39.2N	26.3E	15		
ISC	VI	22 12 13 33±1.1	39.11N±.092	27.6E±.15	10		5 1-1
ISK	VI	22 12 13 31.7	39.00N	27.60E	10	2.7D	¶97vi3383
ISC	VI	22 13 21 53±1.3	39.37N±.083	27.8E±.17	6		5 1-1
ISK	VI	22 13 21 53.3	39.38N	27.79E	6	2.7D	¶97vi3390
ISC	VI	22 13 34 36±1.3	39.1N±.15	27.7E±.34	10		4 1-1
ISK	VI	22 13 34 34.9	39.17N	27.49E	10	2.7D	¶97vi3392
ISC	Poorly determined						
ISC	VI	22 14 02 28±1.1	39.10N±.095	27.6E±.17	10		5 1-1
ISK	VI	22 14 02 26.9	38.99N	27.66E	10	2.7D	¶97vi3394
ISC	VI	22 14 06 29.3±.78	40.47N±.072	29.18E±.096	11±13		9 0-1
ISK	VI	22 14 06 28.9	40.50N	29.23E	10	2.7D	¶97vi3395
ISC	VI	22 18 59 38±2.2	38.11N±.053	30.14E±.098	7±15		23 1-6
ISK	VI	22 18 59 37.3	38.09N	30.15E	9	3.6D	¶97vi3420
ISC	VI	22 19 59 12±2.4	40.3N±.28	28.1E±.15	15		4 0-1
ISK	VI	22 19 59 11.3	40.18N	28.14E	15	2.6D	¶97vi3428
ISC	Poorly determined						
ISC	VI	22 21 05 53.6±.94	39.09N±.058	29.4E±.16	9		12 1-2
ISK	VI	22 21 05 53.0	39.11N	29.34E	9	3.1D	¶97vi3437
ISC	VI	22 23 43 56±1.5	38.08N±.069	30.1E±.12	4±13		9 1-3
ISK	VI	22 23 43 56.2	38.07N	30.10E	8	3.3D	¶97vi3461
ISC	VI	22 23 46 16±6.0	38.2N±.39	30.3E±.47	10		5 1-2
ISK	VI	22 23 46 17.5	38.03N	30.04E	10	3.0D	¶97vi3462
ISK	VI	23 00 28 03.3	37.73N	29.63E	5	2.8D	¶97vi3464
ISC	VI	23 07 14 57±5.7	40.7N±.11	29.9E±.48	10		7 0-2
ISK	VI	23 07 14 53.2	40.76N	30.08E	10	2.8D	¶97vi3492
ISC	VI	23 07 27 18±1.2	40.4N±.13	28.2E±.12	9		4 0-1
ISK	VI	23 07 27 18.5	40.34N	28.13E	9	2.5D	¶97vi3493
ISC	Poorly determined						
ISC	VI	23 08 19 01±6.3	39.5N±.46	28.9E±.18	15		4 0-1
ISK	VI	23 08 19 01.0	39.46N	28.90E	15	2.5D	¶97vi3498
ISC	Poorly determined						
ISK	VI	23 08 25 06.9	39.22N	27.49E	10	2.6D	¶97vi3499
ISC	VI	23 08 49 33±1.2	39.1N±.10	27.5E±.18	10		4 1-1
ISK	VI	23 08 49 32.1	39.16N	27.51E	10	2.6D	¶97vi3501
ISC	Poorly determined						
ISK	VI	23 08 59 54.8	39.54N	29.57E	10	2.6D	¶97vi3503
ISC	VI	23 09 12 59±2.3	39.2N±.30	27.7E±.35	9±47		5 1-1
ISK	VI	23 09 12 58.8	39.25N	27.65E	12	2.6D	¶97vi3505
ISC	Poorly determined						
ISC	VI	23 09 19 05±1.3	39.1N±.12	27.8E±.19	10		4 1-1
ISK	VI	23 09 19 04.7	39.13N	27.69E	10	2.6D	¶97vi3507
ISC	Poorly determined						
ISK	VI	23 10 43 26.3	39.90N	27.02E	10	2.6D	¶97vi3514
ISK	VI	23 11 02 01.0	39.68N	29.48E	6	2.5D	¶97vi3515
ISC	VI	23 11 44 43±1.0	40.35N±.092	29.1E±.10	10		5 0-1
ISK	VI	23 11 44 43.1	40.35N	29.16E	10	2.7D	¶97vi3521
ISC	VI	23 12 22 14±1.3	39.1N±.15	27.6E±.35	10		4 1-1
ISK	VI	23 12 22 13.1	39.13N	27.49E	10	2.7D	¶97vi3526
ISC	Poorly determined						
ISC	VI	23 12 27 35±1.4	39.9N±.11	28.8E±.14	10		4 0-1
ISK	VI	23 12 27 35.1	39.86N	28.88E	10	2.5D	¶97vi3528
ISC	Poorly determined						
ISC	VI	23 12 30 22±1.2	39.88N±.083	28.8E±.11	10		5 0-1
ISK	VI	23 12 30 21.7	39.87N	28.77E	10	2.5D	¶97vi3529
ISC	VI	23 13 08 04.2±.70	37.86N±.058	29.08E±.086	10		11 1-3
ISK	VI	23 13 08 02.8	37.91N	29.11E	10	3.2D	¶97vi3532
ISC	VI	23 14 16 36±1.3	39.2N±.12	27.8E±.16	10		4 1-1
ISK	VI	23 14 16 36.5	39.21N	27.79E	10	2.6D	¶97vi3537
ISC	Poorly determined						
ISK	VI	23 15 13 43.0	41.19N	28.75E	5	2.6D	¶97vi3546
ISK	VI	23 15 24 55.8	40.50N	28.07E	10	2.5D	¶97vi3547
ISC	VI	23 18 40 27.4±.66	40.38N±.035	26.00E±.038	8±6.1		36 1-4
ISK	VI	23 18 40 28.0	40.30N	25.98E	10	3.4D	¶97vi3577
ATH	VI	23 18 40 28.4	40.46N	26.18E	8	3.6D	
THE	VI	23 18 40 29.0	40.3N	26.0E	5	3.6L	
ISK	VI	24 00 29 15.6	37.88N	29.08E	5	2.8D	¶97vi3612
ISK	VI	24 06 11 16.4	39.60N	29.46E	12	2.5D	¶97vi3654
ISC	VI	24 06 18 40±2.1	40.9N±.18	30.1E±.10	1±17		7 1-2
ISK	VI	24 06 18 39.8	40.87N	30.08E	10	2.7D	¶97vi3657
ISC	VI	24 07 30 31±5.9	39.8N±.41	28.8E±.21	7		4 1-1
ISK	VI	24 07 30 32.1	39.93N	28.84E	7	2.6D	¶97vi3670
ISC	Poorly determined						
ISC	VI	24 07 33 47±2.2	40.3N±.39	28.8E±.11	10		4 0-1
ISK	VI	24 07 33 46.3	40.27N	28.77E	10	2.5D	¶97vi3671
ISC	Poorly determined						
ISC	VI	24 08 55 15±3.2	39.2N±.14	27.8E±.28	13±32		5 1-1
ISK	VI	24 08 55 14.2	39.24N	27.74E	10	2.7D	¶97vi3678
ISC	Poorly determined						
ISC	VI	24 09 00 46±1.1	39.08N±.096	27.7E±.17	10		5 1-1
ISK	VI	24 09 00 43.8	38.92N	27.74E	10	2.6D	¶97vi3679
ISC	VI	24 09 49 30±5.3	40.1N±.18	27.1E±.48	9		5 1-2
ISK	VI	24 09 49 27.5	40.07N	26.89E	9	2.6D	¶97vi3690
ISC	VI	24 11 33 53±1.3	39.2N±.13	27.7E±.16	10		4 1-1
ISK	VI	24 11 33 53.1	39.21N	27.71E	10	2.6D	¶97vi3702
ISC	Poorly determined						
ISC	VI	24 12 10 03±1.2	39.90N±.085	28.8E±.11	13		5 0-1
ISK	VI	24 12 10 02.9	39.91N	28.79E	13	2.5D	¶97vi3707
ISC	VI	24 12 22 58±1.2	39.0N±.10	27.7E±.18	10		5 1-1
ISK	VI	24 12 22 55.2	38.84N	27.77E	10	2.7D	¶97vi3709
ISC	VI	24 13 10 08±1.1	39.08N±.098	27.7E±.17	10		5 1-1
ISK	VI	24 13 10 06.7	38.94N	27.70E	10	2.8D	¶97vi3714
ISC	VI	24 14 14 15±9.2	39.6N±.42	29.5E±.51	5		4 1-1
ISK	VI	24 14 14 16.2	39.63N	29.51E	5	2.5D	¶97vi3724
ISC	Poorly determined						
ISC	VI	24 14 23 49±2.5	40.5N±.27	30.0E±.15	6±21		5 0-1
ISK	VI	24 14 23 49.7	40.49N	29.97E	12	2.7D	¶97vi3727
ISC	Poorly determined						
ISC	VI	24 15 13 48±1.3	39.1N±.14	27.7E±.34	10		4 1-1
ISK	VI	24 15 13 46.8	39.19N	27.48E	10	2.7D	¶97vi3736
ISC	Poorly determined						
ISC	VI	24 15 21 53±1.3	39.0N±.11	27.6E±.19	11		4 1-1
ISK	VI	24 15 21 53.9	39.11N	27.53E	11	2.6D	¶97vi3737
ISC	Poorly determined						
ISC	VI	24 18 25 02±1.4	39.17N±.075	28.8E±.17	0±16		6 0-1
ISK	VI	24 18 25 02.1	39.18N	28.77E	6	2.8D	¶97vi3765
ISC	VI	24 22 31 53±1.9	39.1N±.16	27.2E±.31	7±37		6 1-2
ISK	VI	24 22 31 54.3	39.04N	27.11E	10	3.0D	¶97vi3792
ISK	VI	24 22 33 00.4	37.38N	30.20E	10	3.1D	¶97vi3793
ISK	VI	24 23 10 39.0	39.66N	39.79E	15	3.0D	¶97vi3796
ISK	VI	25 00 33 33.6	39.70N	29.06E	10	2.5D	¶97vi3813
ISC	VI	25 07 09 00±9.3	40.3N±.30	30.0E±.76	10		4 0-1
ISK	VI	25 07 08 57.0	40.30N	30.21E	10	2.5D	¶97vi3863
ISC	Poorly determined						
ISC	VI	25 07 52 00±1.1	39.06N±.096	27.6E±.17	10		5 1-1
ISK	VI	25 07 51 58.3	38.91N	27.66E	10	2.7D	¶97vi3867
ISK	VI	25 07 54 49.9	39.62N	29.43E	5	2.5D	¶97vi3869
ISK	VI	25 08 43 46.5	38.92N	27.66E	10	2.6D	¶97vi3873
ISK	VI	25 09 14 07.5	37.30N	37.09E	10	3.3D	¶97vi3879
ISC	VI	25 09 50 27±1.3	39.1N±.15	27.7E±.34	10		4 1-1
ISK	VI	25 09 50 26.1	39.15N	27.51E	10	2.6D	¶97vi3883
ISC	Poorly determined						
ISC	VI	25 10 12 12±2.2	38.2N±.10	39.08E±.088	6±17		11 1-77
ISK	VI	25 10 12 12.5	38.23N	39.09E	6	3.8D	¶97vi3898
ISC	VI	25 10 47 34±15	39.5N±.60	29.8E±.97	11		5 1-2
ISK	VI	25 10 47 38.1	39.68N	29.46E	11	2.6D	¶97vi3911
ISC	VI	25 11 14 36±1.3	39.1N±.15	27.7E±.33	10		4 1-1
ISK	VI	25 11 14 35.5	39.15N	27.59E	10	2.7D	¶97vi3919
ISC	Poorly determined						
ISC	VI	25 11 25 15±5.6	40.1N±.20	26.9E±.51	14		5 1-2
ISK	VI	25 11 25 13.9	40.08N	26.89E	14	2.6D	¶97vi3923
ISK	VI	25 11 29 16.0	37.87N	30.41E	10	3.0D	¶97vi3925
ISC	VI	25 14 16 07±1.7	39.9N±.10	28.9E±.14	10		4 0-1
ISK	VI	25 14 16 06.4	39.85N	28.92E	10	2.5D	¶97vi3953
ISC	Poorly determined						
ISC	VI	25 14 38 31±1.4	39.1N±.13	27.6E±.26	10		4 1-1
ISK	VI	25 14 38 29.5	39.21N	27.46E	10	2.7D	¶97vi3962
ISC	Poorly determined						
ISC	VI	25 14 50 28±1.4	39.2N±.15	27.9E±.31	10		4 1-1
ISK	VI	25 14 50 27.8	39.24N	27.77E	10	2.7D	¶97vi3964
ISC	Poorly determined						
ISC	VI	25 15 05 47±2.1	41.2N±.18	28.7E±.12	10		4 0-1
ISK	VI	25 15 05 46.7	41.19N	28.74E	10	2.6D	¶97vi3969
ISC	Poorly determined						
ISC	VI	25 15 23 30±1.9	40.0N±.14	29.2E±.17	10		4 0-1
ISK	VI	25 15 23 28.4	39.93N	29.31E	10	2.6D	¶97vi3972
ISC	Poorly determined						
ISC	VI	26 08 14 17±1.3	39.1N±.11	27.6E±.18	10		4 1-1
ISK	VI	26 08 14 16.7	38.99N	27.68E	10	2.6D	¶97vi4102
ISC	Poorly determined						
ISK	VI	26 08 30 17.5	39.01N	27.66E	10	2.7D	¶97vi4104
ISK	VI	26 08 41 44.7	39.89N	28.83E	10	2.4D	¶97vi4106
ISC	VI	26 08 44 06±1.3	39.93N±.094	28.8E±.14	10		4 0-1
ISK	VI	26 08 44 05.2	39.91N	28.76E	10	2.5D	¶97vi4107
ISC	Poorly determined						
ISK	VI	26 09 14 34.7	39.22N	27.43E	10	2.7D	¶97vi4109
ISK	VI	26 09 22 55.4	39.11N	27.59E	10	2.7D	¶97vi4111
ISC	VI	26 09 34 42±1.3	39.2N±.12	27.8E±.16	10		4 1-1
ISK	VI	26 09 34 42.3	39.20N	27.77E	10	2.7D	¶97vi4112
ISC	Poorly determined						
ISK	VI	26 10 02 45.3	39.53N	29.56E	15	2.6D	¶97vi4115
ISC	VI	26 10 05 01±1.2	39.1N±.11	27.6E±.18	10		4 1-1
ISK	VI	26 10 05 01.1	38.98N	27.55E	10	2.7D	¶97vi4116
ISC	Poorly determined						
ISC	VI	26 11 01 16±1.2	39.1N±.11	27.6E±.18	10		4 1-1
ISK	VI	26 11 01 14.2	38.93N	27.60E	10	2.8D	¶97vi4126
ISC	Poorly determined						
ISK	VI	26 11 38 28.4	38.93N	27.64E	10	2.6D	¶97vi4130
ISC	VI	26 11 58 36±1.3	39.92N±.094	28.8E±.14	10		4 0-1
ISK	VI	26 11 58 35.4	39.88N	28.75E	10	2.5D	¶97vi4133
ISC	Poorly determined						
ISC	VI	26 12 06 26±1.2	39.2N±.11	27.7E±.15	5		4 1-1
ISK	VI	26 12 06 26.2	39.25N	27.70E	5	2.7D	¶97vi4137
ISC	Poorly determined						
ISC	VI	26 14 10 52±1.3	39.1N±.11	27.6E±.18	10		4 1-1
ISK	VI	26 14 10 51.6	39.14N	27.58E	10	2.7D	¶97vi4154
ISC	Poorly determined						
ISK	VI	26 15 00 53.0	39.16N	27.52E	10	2.6D	¶97vi4161
ISC	VI	26 15 46 28±1.5	40.3N±.12	29.2E±.16	11±20		5 0-1
ISK	VI	26 15 46 28.0	40.30N	29.26E	10	2.5D	¶97vi4166
ISC	Poorly determined						
ISC	VI	27 07 55 23±1.1	39.06N±.091	27.7E±.17	10		6 1-1
ISK	VI	27 07 55 23.8	39.07N	27.68E	10	2.7D	¶97vi4256
ISC	VI	27 07 58 33±12	39.5N±.62	29.6E±.66	10		4 1-1
ISK	VI	27 07 58 36.4	39.67N	29.38E	10	2.5D	¶97vi4257
ISC	Poorly determined						
ISC	VI	27 08 25 11±1.9	40.0N±.15	37.3E±.25	10		5 1-2
ISK	VI	27 08 25 09.9	39.93N	37.26E	10	3.2D	¶97vi4259
ISC	Poorly determined						
ISK	VI	27 09 02 08.2	39.14N	27.43E	10	2.6D	¶97vi4264
ISK	VI	27 09 04 54.9	39.58N	29.74E	10	2.5D	¶97vi4266
ISK	VI	27 09 25 10.0	39.51N	29.67E	6	2.5D	¶97vi4267
ISC	VI	27 09 26 06±1.1	39.24N±.094	27.7E±.14	5		5 1-1
ISK	VI	27 09 26 05.9	39.26N	27.69E	5	2.7D	¶97vi4268
ISC	VI	27 09 43 39±1.1	39.10N±.095	27.7E±.17	10		5 1-1
ISK	VI	27 09 43 38.6	39.04N	27.68E	10	2.6D	¶97vi4272
ISC	VI	27 10 08 43±1.1	39.05N±.098	27.7E±.17	10		5 1-1
ISK	VI	27 10 08 43.7	39.06N	27.64E	10	2.7D	¶97vi4276
ISC	VI	27 10 10 58±2.6	39.2N±.26	27.6E±.32	5±45		6 1-2
ISK	VI	27 10 10 56.6	39.03N	27.71E	10	2.7D	¶97vi4277
ISC	Poorly determined						
ISC	VI	27 10 14 44±1.2	40.1N±.11	27.0E±.12	15±14		7 0-1
ISK	VI	27 10 14 43.9	39.98N	27.00E	9	2.6D	¶97vi4278
ISC	VI	27 10 49 34±1.1	39.03N±.094	27.6E±.15	10		5 1-1
ISK	VI	27 10 49 32.6	38.91N	27.61E	10	2.8D	¶97vi4285
ISK	VI	27 10 57 21.5	39.18N	27.50E	10	2.6D	¶97vi4287
ISK	VI	27 11 09 31.8	39.91N	28.75E	10	2.5D	¶97vi4289
ISC	VI	27 11 48 12±1.3	39.1N±.14	27.7E±.33	10		4 1-1
ISK	VI	27 11 48 10.7	39.19N	27.48E	10	2.7D	¶97vi4293
ISC	Poorly determined						
ISC	VI	27 12 49 14±2.3	39.1N±.26	27.6E±.32	7±43		5 1-1
ISK	VI	27 12 49 13.8	38.97N	27.64E	10	2.7D	¶97vi4296
ISC	Poorly determined						

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**27 14 21 26**±1.1	**39.05N**±.099	**27.7E**±.17	**10**		**5**	**1-1**
ISK	VI	27 14 21 27.5	39.03N	27.69E	10	2.7D		¶97vi4308
ISK	**VI**	**27 16 14 59.9**	**36.18N**	**35.77E**	**12**	**3.2D**		¶97vi4323
ISC	**VI**	**27 22 06 27.8**±.78	**37.97N**±.071	**29.10E**±.084	**10**		**8**	**0-3**
ISK	VI	27 22 06 26.1	37.95N	29.03E	10	3.1D		¶97vi4373
ISC	**VI**	**28 00 57 50.1**±.81	**40.65N**±.084	**30.03E**±.068	**9**		**13**	**0-3**
ISK	VI	28 00 57 53.9	40.63N	29.70E	9	3.2D		¶97vi4389
ISC	**VI**	**28 03 31 00.8**±.71	**40.42N**±.042	**26.09E**±.047	**6**±6.7		**27**	**0-5**
ISK	VI	28 03 31 00.2	40.44N	26.04E	10	3.1D		¶97vi4409
THE	VI	28 03 31 03.8	40.4N	25.9E	12	3.1L		
ISK	**VI**	**28 05 10 47.9**	**39.31N**	**28.08E**	**10**	**2.5D**		¶97vi4422
ISC	**VI**	**28 05 59 55.6**±.80	**40.41N**±.043	**26.12E**±.045	**7**±7.4		**27**	**0-3**
ISK	VI	28 05 59 54.0	40.44N	25.95E	10	3.2D		¶97vi4432
THE	VI	28 05 59 55.9	40.4N	26.2E	1	3.1L		
ISC	**VI**	**28 06 23 27.8**±.84	**40.37N**±.071	**26.13E**±.061	**12**±8.9		**12**	**0-3**
THE	VI	28 06 23 28.6	40.4N	26.1E	7			¶97vi4434
ISK	VI	28 06 23 30.0	40.28N	26.38E	10	2.8D		
ISC	**VI**	**28 07 08 04**±1.1	**39.12N**±.095	**27.7E**±.17	**10**		**5**	**1-1**
ISK	VI	28 07 08 04.9	39.10N	27.70E	10	2.7D		¶97vi4442
ISK	**VI**	**28 07 42 00.1**	**39.69N**	**29.37E**	**10**	**2.5D**		¶97vi4445
ISK	**VI**	**28 08 25 42.3**	**39.25N**	**27.78E**	**6**	**2.7D**		¶97vi4450
ISC	**VI**	**28 09 24 44**±1.2	**39.1N**±.10	**27.8E**±.18	**10**		**5**	**1-1**
ISK	VI	28 09 24 44.6	39.05N	27.79E	10	2.7D		¶97vi4453
ISC	**VI**	**28 09 53 33**±1.1	**39.12N**±.093	**27.6E**±.17	**10**		**5**	**1-1**
ISK	VI	28 09 53 34.0	39.10N	27.62E	10	2.6D		¶97vi4457
ISK	**VI**	**28 10 00 44.1**	**38.98N**	**27.70E**	**10**	**2.6D**		¶97vi4458
ISK	**VI**	**28 10 13 17.6**	**39.69N**	**27.74E**	**5**	**2.5D**		¶97vi4460
ISC	**VI**	**28 10 27 16**±1.2	**39.0N**±.11	**27.8E**±.18	**10**		**5**	**1-1**
ISK	VI	28 10 27 16.6	39.05N	27.76E	10	2.6D		¶97vi4461
ISC	**VI**	**28 10 58 54**±1.5	**39.91N**±.097	**28.8E**±.13	**10**		**4**	**0-1**
ISK	VI	28 10 58 54.0	39.91N	28.85E	10	2.5D		¶97vi4465
ISC		Poorly determined						
ISC	**VI**	**28 11 00 31**±1.4	**39.97N**±.095	**28.8E**±.12	**5**		**4**	**0-1**
ISK	VI	28 11 00 30.7	39.94N	28.85E	5	2.5D		¶97vi4467
ISC		Poorly determined						
ISC	**VI**	**28 13 43 35.1**±.94	**40.59N**±.077	**29.20E**±.070	**5**±9.4		**9**	**0-2**
ISK	VI	28 13 43 34.8	40.59N	29.24E	14	2.7D		¶97vi4480
ISC	**VI**	**28 14 56 18**±2.8	**39.1N**±.15	**27.6E**±.17	**13**±30		**6**	**1-1**
ISK	VI	28 14 56 17.0	38.96N	27.64E	10	2.7D		¶97vi4489
ISC	**VI**	**28 15 03 42**±1.1	**39.13N**±.090	**27.6E**±.16	**10**		**5**	**1-1**
ISK	VI	28 15 03 42.6	39.08N	27.56E	10	2.7D		¶97vi4490
ISC	**VI**	**28 21 55 31**±1.5	**39.4N**±.13	**28.1E**±.30	**9**		**4**	**1-1**
ISK	VI	28 21 55 30.6	39.34N	28.09E	9	2.7D		¶97vi4531
ISC		Poorly determined						
ISK	**VI**	**29 01 01 04.8**	**40.70N**	**35.26E**	**6**	**2.7D**		¶97vi4548
ISC	**VI**	**29 05 57 28**±1.2	**37.36N**±.099	**29.9E**±.12	**5**		**4**	**1-1**
ISK	VI	29 05 57 28.5	37.34N	29.89E	5	2.8D		¶97vi4577
ISC		Poorly determined						
ISK	**VI**	**29 07 33 27.1**	**38.98N**	**27.61E**	**10**	**2.6D**		¶97vi4585
ISC	**VI**	**29 08 54 59**±2.7	**39.1N**±.12	**27.6E**±.15	**10**±30		**8**	**1-2**
ISK	VI	29 08 54 59.0	39.13N	27.58E	10	2.8D		¶97vi4595
ISK	**VI**	**29 09 14 15.1**	**38.09N**	**28.83E**	**10**	**3.0D**		¶97vi4597
ISC	**VI**	**29 09 53 08**±1.1	**39.07N**±.099	**27.7E**±.17	**10**		**5**	**1-1**
ISK	VI	29 09 53 08.5	39.08N	27.69E	10	2.6D		¶97vi4604
ISK	**VI**	**29 10 32 13.9**	**40.13N**	**26.90E**	**12**	**2.6D**		¶97vi4611
ISC	**VI**	**29 10 33 41**±1.0	**39.08N**±.080	**27.7E**±.14	**10**		**7**	**1-2**
ISK	VI	29 10 33 40.7	39.11N	27.60E	10	2.8D		¶97vi4612
ISC	**VI**	**29 10 47 36.1**±.98	**40.49N**±.082	**27.49E**±.070	**8**±10		**10**	**0-2**
ISK	VI	29 10 47 35.8	40.50N	27.46E	7	2.6D		¶97vi4613
ISC	**VI**	**29 12 25 22**±1.2	**39.1N**±.10	**27.7E**±.17	**10**		**5**	**1-1**
ISK	VI	29 12 25 22.1	39.11N	27.72E	10	2.7D		¶97vi4625
ISK	**VI**	**29 14 28 18.4**	**38.30N**	**29.82E**	**5**	**3.0D**		¶97vi4635
ISK	**VI**	**29 14 39 46.1**	**40.33N**	**26.23E**	**10**	**2.6D**		¶97vi4636
ISC	**VI**	**29 15 27 54**±1.3	**39.1N**±.14	**27.7E**±.33	**10**		**4**	**1-1**
ISK	VI	29 15 27 52.4	39.03N	27.69E	10	2.6D		¶97vi4639
ISC		Poorly determined						
ISC	**VI**	**29 17 47 28**±1.3	**40.70N**±.093	**29.90E**±.090	**11**±11		**9**	**0-2**
ISK	VI	29 17 47 28.5	40.70N	29.83E	14	2.8D		¶97vi4649
ISK	**VI**	**29 18 29 08.5**	**40.79N**	**27.80E**	**5**	**2.6D**		¶97vi4650
ISC	**VI**	**30 04 36 44**±1.3	**40.7N**±.14	**31.1E**±.13	**10**		**5**	**0-3**
ISK	VI	30 04 36 42.3	40.80N	31.09E	10	2.7D		¶97vi4706
ISC		Poorly determined						
ISC	**VI**	**30 07 25 40**±2.3	**39.1N**±.26	**27.6E**±.32	**6**±43		**5**	**1-1**
ISK	VI	30 07 25 39.0	38.96N	27.67E	10	2.7D		¶97vi4724
ISC		Poorly determined						
ISK	**VI**	**30 07 56 29.2**	**39.27N**	**27.66E**	**10**	**2.7D**		¶97vi4729
ISC	**VI**	**30 08 44 25**±1.1	**39.13N**±.093	**27.6E**±.16	**10**		**5**	**1-1**
ISK	VI	30 08 44 25.4	39.11N	27.63E	10	2.6D		¶97vi4732
ISK	**VI**	**30 08 51 31.4**	**39.58N**	**29.48E**	**10**	**2.6D**		¶97vi4733
ISK	**VI**	**30 09 11 33.6**	**39.58N**	**29.50E**	**10**	**2.5D**		¶97vi4739
ISC	**VI**	**30 09 28 58.9**±.76	**39.06N**±.071	**27.7E**±.11	**10**		**10**	**1-2**
ISK	VI	30 09 28 58.7	39.09N	27.64E	10	2.8D		¶97vi4742
ISC	**VI**	**30 10 39 20**±1.1	**39.09N**±.089	**27.7E**±.15	**10**		**6**	**1-1**
ISK	VI	30 10 39 20.3	39.13N	27.70E	10	2.6D		¶97vi4747
ISK	**VI**	**30 11 53 35.8**	**39.65N**	**29.46E**	**10**	**2.7D**		¶97vi4754
ISC	**VI**	**30 11 59 07**±2.9	**39.1N**±.13	**27.6E**±.16	**10**±30		**7**	**1-2**
ISK	VI	30 11 59 07.4	39.10N	27.59E	10	2.8D		¶97vi4757
ISC	**VI**	**30 12 31 51**±1.3	**39.2N**±.13	**27.8E**±.24	**10**		**4**	**1-1**
ISK	VI	30 12 31 50.4	39.23N	27.72E	10	2.6D		¶97vi4762
ISC		Poorly determined						
ISC	**VI**	**30 14 29 45.3**±.93	**39.08N**±.084	**27.7E**±.16	**10**		**7**	**1-2**
ISK	VI	30 14 29 46.2	39.05N	27.68E	10	2.7D		¶97vi4772
ISC	**VI**	**30 21 48 46.6**±.23	**36.65N**±.025	**31.42E**±.031	**121**±3.2	**4.4b**	**192**	**1-121**
ISK	VI	30 21 48 45.6	36.64N	31.51E	10	4.2D		¶97vi4825
NEIC	VI	30 21 48 46.7	36.63N	31.41E	124	4.5b		
MOS	VI	30 21 48 46.9	36.6N	31.4E	135	4.6b		
BJI	VI	30 21 48 48.4	37.17N	31.60E	124	4.6b		
EIDC	VI	30 21 48 52.2	36.8N	31.4E	153	4.2b,3.6s		
RYD	VI	30 21 48 52.6	35.2N	28.11E		3.6D		

(367) Turkey-USSR border region.

ISC	**II**	**09 21 49 09.8**±.83	**41.46N**±.033	**43.95E**±.028	**7**±5.4	**4.5b,4.1s**	**175**	**1-75**
EIDC	II	09 21 49 09.6	41.3N	43.9E	0	4.3b,4.4L		¶97ii1370
MOS	II	09 21 49 09.9	41.4N	44.0E	10	4.8b,3.9s		
BJI	II	09 21 49 12.5	41.25N	43.84E	32	4.9b,4.8s		
NEIC	II	09 21 49 13.1	41.41N	43.89E	33	4.5b,3.6s		
NEIC		Felt at Tbilisi, Georgia. Also felt at Yerevan, Armenia.						

(368) Southern Greece.

ISC	**I**	**03 03 23 56.0**±.92	**37.54N**±.065	**22.06E**±.096	**5**		**6**	**0-1**
THE	I	03 03 23 56.7	37.6N	21.9E	0			¶97i0309
ATH	I	03 03 23 57.8	37.55N	22.07E	5	3.0L		
ATH	**I**	**08 18 19 20.4**	**37.57N**	**21.79E**	**5**			¶97i1097
ATH	**I**	**08 18 20 47.4**	**37.40N**	**21.56E**	**5**	**2.4D**		¶97i1098
ATH	**I**	**08 18 46 34.6**	**36.64N**	**22.25E**	**10**			¶97i1101
ATH	**I**	**10 20 41 11.6**	**36.89N**	**22.91E**	**10**			¶97i1422
ISC	**I**	**10 22 32 06**±1.4	**36.9N**±.11	**23.0E**±.12	**3**		**4**	**0-2**
ATH	I	10 22 32 07.5	36.92N	22.98E	3	3.0D		¶97i1437
ISC		Poorly determined						
ISC	**I**	**11 00 10 00.3**±.73	**36.91N**±.065	**22.79E**±.084	**5**		**11**	**0-4**
ATH	I	11 00 10 02.1	36.88N	22.79E	5	3.1L		¶97i1441
THE	I	11 00 10 03.3	36.9N	23.0E	3	3.3L		
ISC	**I**	**11 15 50 59**±2.3	**37.8N**±.15	**23.3E**±.15	**70**±40		**5**	**0-2**
ATH	I	11 15 51 01.4	37.78N	23.18E	41	2.8L		¶97i1542
ISC		Poorly determined						
ATH	**I**	**14 03 56 52.7**	**37.56N**	**22.01E**	**5**	**2.5D**		¶97i1951
ATH	**I**	**14 11 53 12.2**	**36.62N**	**22.11E**	**10**	**3.0D**		¶97i1989
ISC	**I**	**18 23 10 55**±1.5	**37.84N**±.086	**21.1E**±.17	**5**		**15**	**1-4**
THE	I	18 23 10 43.6	37.6N	19.8E	0	3.4L		¶97i2734
ATH	I	18 23 10 50.5	37.77N	20.40E	5	3.6L		
ISC	**I**	**25 13 37 30**±1.6	**37.5N**±.13	**21.4E**±.23	**33**		**6**	**1-4**
ATH	I	25 13 37 27.5	37.13N	20.99E	33	3.1D		¶97i3821
ISC	**I**	**28 19 26 15**±1.2	**37.11N**±.073	**22.9E**±.18	**10**		**10**	**0-4**
ATH	I	28 19 26 16.0	37.09N	22.88E	10	3.0D		¶97i4248
ISC	**I**	**29 03 00 57**±1.7	**37.5N**±.14	**21.3E**±.17	**10**		**17**	**1-4**
ATH	I	29 03 00 56.0	37.10N	20.75E	35	3.4D		¶97i4295
THE	I	29 03 00 58.1	37.4N	21.2E	10			
ISC	**II**	**05 10 09 21.2**±.58	**36.19N**±.054	**23.22E**±.047	**45**±6.9	**3.8b**	**66**	**1-79**
EIDC	II	05 10 09 18.4	36.2N	23.5E	6	3.8b,3.7L		¶97ii0670
THE	II	05 10 09 20.6	36.2N	23.3E	10			
NEIC	II	05 10 09 21.8	36.26N	23.42E	50	3.5b		
ATH	II	05 10 09 21.9	36.11N	23.26E	30	3.8L		
NEIC		Less reliable solution.						
ISC	**II**	**07 12 05 34**±2.0	**36.3N**±.16	**22.2E**±.18	**8**		**5**	**1-3**
ATH	II	07 12 05 34.3	36.29N	22.20E	8	3.4D		¶97ii0986
ATH	**II**	**07 14 14 14.6**	**37.31N**	**22.16E**	**10**	**2.8D**		¶97ii0997
ATH	**II**	**09 18 57 13.7**	**37.13N**	**24.52E**	**10**	**3.2D**		¶97ii1344
ISC	**II**	**10 22 40 10**±3.1	**37.3N**±.11	**23.8E**±.15	**6**±35		**5**	**1-2**
ATH	II	10 22 40 11.4	37.25N	23.84E	5	2.8L		¶97ii1539
ISC		Poorly determined						
ATH	**II**	**12 04 01 27.6**	**36.31N**	**22.05E**	**10**	**3.0D**		¶97ii1718
ATH	**II**	**14 23 16 01.0**	**37.53N**	**22.04E**	**10**	**2.9D**		¶97ii2130
ISC	**II**	**16 03 24 17**±1.8	**37.4N**±.12	**21.7E**±.16	**9**±21		**9**	**0-4**
ATH	II	16 03 24 16.9	37.29N	21.55E	5	2.9D		¶97ii2332
THE	II	16 03 24 17.4	37.3N	21.6E	10			
ATH	**II**	**20 18 44 18.6**	**36.35N**	**23.74E**	**15**	**2.9D**		¶97ii2961
ISC	**II**	**21 05 08 44**±1.4	**37.43N**±.045	**22.19E**±.065	**2**±12	**3.9b**	**38**	**0-64**
EIDC	II	21 05 08 43.2	37.2N	22.8E	0	4.1b,3.5L		¶97ii3024
ATH	II	21 05 08 46.1	37.39N	22.09E	5	3.5L		
THE	II	21 05 08 46.4	37.5N	22.2E	2	3.6L		
NEIC	II	21 05 08 47.9	37.26N	22.72E	50			
NEIC		Less reliable solution.						
ATH	**II**	**22 01 13 36.9**	**37.74N**	**21.07E**	**10**	**3.0D**		¶97ii3148
EIDC	**II**	**22 03 16 47.5**	**37.0N**	**23.0E**	**281**	**3.7b**,3.6L		**14-75**
								¶97ii3163
ATH	**II**	**25 17 07 06.1**	**36.30N**	**22.16E**	**10**	**2.9D**		¶97ii3667
ISC	**II**	**26 01 38 28.2**±.71	**37.70N**±.052	**22.91E**±.092	**19**		**19**	**1-7**
THE	II	26 01 38 29.3	37.7N	23.1E	19			¶97ii3727
ATH	II	26 01 38 31.0	37.65N	23.16E	39	3.0D		
ATH	**III**	**01 04 18 27.9**	**37.72N**	**21.45E**	**5**	**3.0D**		¶97iii0041
ATH	**III**	**02 02 35 06.7**	**37.29N**	**21.83E**	**3**	**2.6D**		¶97iii0228
ISC	**III**	**03 22 59 43**±1.7	**36.95N**±.091	**23.9E**±.16	**5**		**4**	**1-2**
ATH	III	03 22 59 44.0	36.95N	23.97E	5	2.9L		¶97iii0706
ISC		Poorly determined						
ISC	**III**	**04 02 39 15.3**±.73	**37.63N**±.049	**21.73E**±.089	**5**		**19**	**0-4**
ATH	III	04 02 39 16.3	37.56N	21.65E	5	3.4L		¶97iii0755
THE	III	04 02 39 20.4	37.7N	22.1E	18	3.0L		
ISC	**III**	**04 05 43 55**±1.2	**37.81N**±.072	**22.4E**±.17	**7**		**5**	**1-1**
THE	III	04 05 43 55.2	37.8N	22.5E	7			¶97iii0794
ATH	III	04 05 43 56.3	37.78N	22.39E	8			
ATH	**III**	**06 22 33 28.4**	**37.49N**	**22.20E**	**10**	**2.6D**		¶97iii1369
ISC	**III**	**07 19 37 32**±1.0	**37.45N**±.067	**21.9E**±.12	**5**		**6**	**0-2**
ATH	III	07 19 37 33.4	37.45N	21.89E	5	3.1L		¶97iii1588
THE	III	07 19 37 33.4	37.4N	21.8E	11			
ISC	**III**	**07 20 16 07**±1.1	**37.39N**±.067	**21.11E**±.065	**5**±8.5	**3.7b**	**32**	**1-32**
ATH	III	07 20 16 09.2	37.38N	21.08E	5	3.5L		¶97iii1596
THE	III	07 20 16 09.3	37.5N	21.2E	0	3.1L		
EIDC	III	07 20 16 40.5	40.9N	21.2E	0	3.7b		
ISC	**III**	**08 02 44 43**±1.3	**37.67N**±.048	**21.02E**±.056	**10**±8.8	**3.9b**	**40**	**1-59**
NEIC	III	08 02 44 41.7	37.72N	21.27E	10			¶97iii1651
EIDC	III	08 02 44 41.7	37.8N	21.4E	0	3.9b,3.5L		
ATH	III	08 02 44 44.5	37.70N	21.10E	5	3.5L		
THE	III	08 02 44 45.3	37.8N	21.2E	0	3.2L		
NEIC		Less reliable solution.						
ATH	**III**	**13 14 41 18.6**	**36.14N**	**21.59E**	**10**	**3.1D**		¶97iii2726
ISC	**III**	**13 21 31 11**±1.6	**36.92N**±.099	**21.8E**±.15	**5**		**7**	**0-2**
ATH	III	13 21 31 12.6	36.97N	21.89E	5	3.2L		¶97iii2772
THE	III	13 21 31 12.7	37.0N	21.9E	0			
ATH	**III**	**15 00 42 07.2**	**36.49N**	**22.26E**	**10**	**3.1D**		¶97iii2968
ISC	**III**	**16 04 24 21**±1.3	**36.8N**±.11	**22.7E**±.14	**24**±19		**7**	**0-2**
ATH	III	16 04 24 22.8	36.81N	22.75E	12	3.1L		¶97iii3165
ATH	**III**	**16 19 51 37.9**	**37.16N**	**21.05E**	**5**	**2.5D**		¶97iii3263
THE	III	16 19 51 39.9	37.8N	21.7E	10			
ATH	**III**	**17 00 09 35.3**	**36.77N**	**23.02E**	**23**	**2.7D**		¶97iii3288
ATH	**III**	**17 02 01 44.2**	**37.22N**	**23.43E**	**33**	**2.7D**		¶97iii3305
ISC	**III**	**20 05 16 09**±1.4	**37.2N**±.14	**21.8E**±.19	**32**		**5**	**0-3**
ATH	III	20 05 16 09.0	37.47N	22.13E	10	2.8D		¶97iii3842
THE	III	20 05 16 10.4	37.2N	21.9E	32			
ATH	**III**	**22 18 43 08.8**	**36.28N**	**22.16E**	**10**			¶97iii4302
ISC	**III**	**22 19 17 55**±1.7	**36.7N**±.16	**22.5E**±.17	**5**		**4**	**0-2**
ATH	III	22 19 17 56.7	36.76N	22.60E	5			¶97iii4304
ISC		Poorly determined						
ISC	**III**	**25 10 48 58**±1.6	**36.1N**±.12	**22.2E**±.14	**66**±10	**3.6b**	**27**	**1-34**
ATH	III	25 10 48 55.8	35.98N	22.07E	5	3.7L		¶97iii4713
THE	III	25 10 48 58.2	36.2N	22.1E	10	3.2L		
EIDC	III	25 10 49 48.7	39.4N	21.1E	278	3.1b		

ATH	**III**	**26 04 14 36.4**	**36.03N**	**22.14E**	**10**			¶97iii4838
ISC	**III**	**30 11 50 10**±1.1	**37.55N**±.049	**21.02E**±.050	**3**±8.0	**3.9b**	**36**	**1-59**
ATH	III	30 11 50 12.5	37.62N	21.16E	5	3.6L		¶97iii5752
THE	III	30 11 50 15.2	37.7N	21.4E	0	3.3L		
EIDC	III	30 11 50 33.3	38.5N	20.6E	189	3.4b		
ISC	**IV**	**02 02 45 24**±2.6	**36.5N**±.29	**24.3E**±.31	**36**		**4**	**1-2**
ATH	IV	02 02 45 24.4	36.46N	24.19E	36			¶97iv0178
ISC	Poorly determined							
ISC	**IV**	**03 22 43 18.2**±.59	**37.26N**±.046	**23.64E**±.063	**2**		**19**	**1-4**
THE	IV	03 22 43 19.9	37.3N	23.6E	2			¶97iv0497
ATH	IV	03 22 43 20.6	37.29N	23.65E	5	3.3L		
ISC	**IV**	**07 04 31 55.3**±.45	**37.52N**±.039	**22.18E**±.035	**50**±4.7	**4.2b**	**103**	**0-121**
NEIC	IV	07 04 31 48.4	37.20N	22.10E	10	4.2b		¶97iv1101
MOS	IV	07 04 31 49.3	37.2N	22.1E	10	4.6b		
ATH	IV	07 04 31 53.8	37.48N	22.15E	2	4.0L		
THE	IV	07 04 31 54.3	37.6N	22.3E	4	3.8L		
EIDC	IV	07 04 31 57.6	37.5N	22.1E	57	3.9b		
ATH	**IV**	**07 04 50 57.2**	**37.28N**	**21.84E**	**10**			¶97iv1107
THE	IV	07 04 50 55.4	37.5N	22.0E	10			
ATH	**IV**	**08 16 41 36.8**	**37.66N**	**22.14E**	**10**	**2.7D**		¶97iv1363
ISC	**IV**	**10 07 59 04.5**±.68	**37.42N**±.043	**22.13E**±.062	**26**±7.0	**3.7b**	**40**	**0-39**
EIDC	IV	10 07 59 02.5	37.6N	22.0E	0	3.8b		¶97iv1654
ATH	IV	10 07 59 05.0	37.48N	22.11E	5	3.5L		
NEIC	IV	10 07 59 05.6	37.51N	21.97E	33			
THE	IV	10 07 59 06.0	37.5N	22.3E	11	3.4L		
NEIC	Less reliable solution.							
ISC	**IV**	**14 20 15 49**±1.7	**37.8N**±.11	**21.1E**±.14	**1**		**4**	**0-2**
ATH	IV	14 20 15 50.0	37.83N	21.16E	10	2.7D		¶97iv2508
THE	IV	14 20 15 50.3	37.8N	21.2E	1			
ISC	Poorly determined							
ATH	**IV**	**18 17 17 28.1**	**37.35N**	**21.64E**	**10**	**2.7D**		¶97iv3102
ATH	**IV**	**22 06 33 20.8**	**37.78N**	**23.14E**	**21**			¶97iv3658
ISC	**IV**	**22 13 25 15**±1.1	**37.49N**±.044	**22.64E**±.082	**20**±14		**27**	**1-8**
THE	IV	22 13 25 16.3	37.5N	22.7E	25	3.4L		¶97iv3747
ATH	IV	22 13 25 17.1	37.40N	22.62E	35	3.4L		
ISC	**IV**	**23 05 21 37**±1.5	**37.8N**±.12	**22.5E**±.10	**1**±25		**5**	**1-2**
ATH	IV	23 05 21 39.0	37.84N	22.55E	4	2.7L		¶97iv3901
ISC	Poorly determined							
ISC	**IV**	**26 18 08 06.9**±.55	**36.56N**±.045	**21.84E**±.035	**49**±5.7	**3.9b**	**88**	**1-80**
NEIC	IV	26 18 08 05.3	36.62N	21.98E	33	3.8b		¶97iv4589
ATH	IV	26 18 08 05.8	36.62N	21.97E	5	3.7L		
THE	IV	26 18 08 06.1	36.6N	22.0E	2	3.6L		
EIDC	IV	26 18 08 10.4	36.7N	21.9E	63	3.7b,4.1L		
ISC	**IV**	**26 22 18 35.4**±.33	**37.26N**±.025	**21.40E**±.020	**45**±3.5	**4.5b,4.4s**	**307**	**0-146**
BJI	IV	26 22 18 32.9	36.81N	22.30E	13	4.7b,5.0s		¶97iv4612
THE	IV	26 22 18 34.1	37.2N	21.4E	7	4.6L		
NEIC	IV	26 22 18 34.1	37.23N	21.48E	33	4.5b		
ATH	IV	26 22 18 34.5	37.16N	21.39E	9	4.5D		
MOS	IV	26 22 18 34.6	37.3N	21.4E	33	5.2b,4.2s		
EIDC	IV	26 22 18 36.9	37.4N	21.4E	42	4.2b,4.2L		
PDG	IV	26 22 18 42.7	37.9N	20.3E	10	4.6L		
ISC	**IV**	**27 18 38 26**±1.1	**36.51N**±.074	**22.88E**±.068	**21**±9.2	**3.5b**	**22**	**0-26**
EIDC	IV	27 18 38 17.3	36.2N	23.7E	0	3.5b,3.7L		¶97iv4777
THE	IV	27 18 38 26.3	36.5N	23.0E	4			
ATH	IV	27 18 38 26.6	36.56N	23.04E	7	3.3L		
ATH	**IV**	**28 08 17 43.7**	**37.45N**	**21.41E**	**5**			¶97iv4877
ATH	**IV**	**28 09 49 53.7**	**36.18N**	**22.14E**	**10**			¶97iv4891
ISC	**IV**	**28 11 47 56**±1.1	**37.81N**±.079	**21.6E**±.13	**10**		**5**	**1-2**
THE	IV	28 11 47 57.0	37.8N	21.6E	10			¶97iv4910
ATH	IV	28 11 47 57.6	37.76N	21.55E	12	2.7D		
ATH	**IV**	**30 19 37 26.1**	**36.07N**	**23.07E**	**43**	**3.6D**		¶97iv5257
ISC	**V**	**01 11 40 43**±1.2	**37.82N**±.088	**21.8E**±.12	**7**		**6**	**1-3**
THE	V	01 11 40 43.6	37.8N	21.8E	7			¶97v0092
ATH	V	01 11 40 44.7	37.82N	21.75E	35	3.0L		
ISC	**V**	**01 23 20 30**±1.4	**37.4N**±.10	**22.1E**±.12	**1**		**6**	**1-2**
THE	V	01 23 20 31.5	37.5N	22.1E	1			¶97v0175
ATH	V	01 23 20 34.0	37.39N	22.15E	39	2.9L		
ISC	**V**	**02 00 52 48**±1.8	**37.86N**±.045	**21.96E**±.062	**1**±13	**3.5b**	**35**	**1-74**
EIDC	V	02 00 52 49.3	38.1N	22.1E	0	3.5b		¶97v0183
NEIC	V	02 00 52 49.4	38.03N	21.76E	10			
ATH	V	02 00 52 49.6	37.85N	21.91E	5	3.4L		
THE	V	02 00 52 50.5	37.9N	22.1E	0	3.1L		
NEIC	Single network solution.							
ISC	**V**	**02 07 42 43**±1.8	**37.6N**±.11	**21.3E**±.19	**7**		**11**	**1-4**
THE	V	02 07 42 45.4	37.7N	21.3E	7	3.2L		¶97v0229
ATH	V	02 07 42 46.8	37.58N	21.23E	37	3.4D		
ATH	**V**	**02 14 32 05.7**	**36.31N**	**22.64E**	**10**			¶97v0282
ISC	**V**	**02 18 18 16**±1.6	**36.8N**±.12	**21.9E**±.15	**2**		**11**	**1-5**
THE	V	02 18 18 18.1	36.8N	22.0E	2	3.1L		¶97v0311
ATH	V	02 18 18 18.6	36.92N	22.10E	10	3.5D		
ATH	**V**	**07 15 34 28.5**	**37.26N**	**22.19E**	**10**			¶97v1117
ATH	**V**	**07 20 52 50.8**	**37.65N**	**21.18E**	**5**			¶97v1144
ISC	**V**	**09 14 26 48.6**±.65	**37.92N**±.045	**21.60E**±.067	**22**±6.7	**3.4b**	**31**	**0-74**
EIDC	V	09 14 26 38.9	38.3N	26.4E	0	3.7b		¶97v1436
THE	V	09 14 26 49.2	38.0N	21.7E	0	3.0L		
ATH	V	09 14 26 49.2	37.88N	21.59E	11	3.5L		
ATH	**V**	**12 06 35 37.0**	**37.59N**	**21.16E**	**10**	**2.9D**		¶97v1909
ATH	**V**	**12 12 23 52.2**	**37.92N**	**21.92E**	**40**	**2.8D**		¶97v1959
THE	V	12 12 23 54.9	37.7N	21.5E	0			
ISC	**V**	**12 15 14 25**±14	**37.9N**±.72	**22.2E**±.78	**10**		**4**	**1-3**
THE	V	12 15 14 31.3	38.2N	22.5E	10			¶97v1993
ISC	Poorly determined							
ISC	**V**	**13 05 40 39**±2.5	**37.0N**±.16	**21.7E**±.17	**5**		**4**	**0-2**
ATH	V	13 05 40 40.2	36.99N	21.72E	5	2.9D		¶97v2138
ISC	Poorly determined							
ATH	**V**	**15 03 11 28.1**	**37.37N**	**21.03E**	**35**	**2.8D**		¶97v2552
ISC	**V**	**17 00 49 49**±1.6	**37.1N**±.19	**23.0E**±.14	**37**		**4**	**0-2**
ATH	V	17 00 49 49.3	37.11N	22.99E	37			¶97v2856
ISC	Poorly determined							
ATH	**V**	**17 17 37 15.5**	**37.15N**	**24.76E**	**5**	**3.3D**		¶97v2965
ISC	**V**	**19 10 09 03**±1.6	**37.0N**±.17	**22.4E**±.16	**5**		**4**	**0-2**
ATH	V	19 10 09 04.0	37.06N	22.42E	5	3.1L		¶97v3240
ISC	Poorly determined							
ISC	**V**	**22 05 11 33**±1.3	**37.8N**±.10	**21.5E**±.17	**10**		**4**	**1-1**
ATH	V	22 05 11 33.3	37.84N	21.61E	10	2.8D		¶97v3711
ISC	Poorly determined							
ISC	**V**	**22 15 07 36**±1.3	**37.08N**±.099	**22.4E**±.12	**10**		**5**	**0-2**
THE	V	22 15 07 36.9	37.0N	22.4E	10			¶97v3788
ATH	V	22 15 07 37.1	37.01N	22.44E	5	3.1L		
ISC	**V**	**25 16 31 53.2**±.96	**37.73N**±.074	**23.0E**±.11	**8**±15		**8**	**1-3**
THE	V	25 16 31 54.5	37.7N	23.1E	10			¶97v4298
ATH	V	25 16 31 54.5	37.74N	23.03E	2	2.5L		
ISC	**V**	**27 13 17 51**±1.9	**36.6N**±.13	**23.6E**±.17	**54**±56		**6**	**1-3**
ATH	V	27 13 17 51.8	36.57N	23.58E	49	3.6D		¶97v4573
THE	V	27 13 17 52.3	36.6N	23.6E	32			
ATH	**V**	**30 11 07 59.4**	**37.56N**	**21.03E**	**10**			¶97v5027
ISC	**V**	**30 14 40 39**±2.5	**38.0N**±.26	**21.4E**±.11	**26**±14		**16**	**0-4**
THE	V	30 14 40 27.2	37.2N	21.3E	3	3.3L		¶97v5048
ATH	V	30 14 40 28.9	37.20N	21.68E	8			
ISC	**V**	**30 17 09 13**±1.7	**37.68N**±.096	**21.6E**±.29	**9**±14		**7**	**0-4**
THE	V	30 17 09 12.4	37.6N	21.4E	3	2.9L		¶97v5066
ATH	V	30 17 09 12.9	37.64N	21.43E	5	3.0D		
ISC	**VI**	**05 12 53 39**±2.1	**37.6N**±.11	**21.8E**±.23	**24**		**10**	**1-4**
ATH	VI	05 12 53 37.4	37.53N	21.48E	24	3.3L		¶97vi0772
THE	VI	05 12 53 37.8	37.5N	21.6E	5			
ISC	**VI**	**07 09 59 48**±2.3	**36.6N**±.16	**22.3E**±.22	**1**		**5**	**1-2**
THE	VI	07 09 59 48.3	36.5N	22.2E	1			¶97vi1078
ATH	VI	07 09 59 49.6	36.44N	22.33E	5	2.9D		
ISC	**VI**	**09 06 02 00**±2.2	**37.6N**±.12	**21.2E**±.13	**13**±23		**19**	**1-4**
THE	VI	09 06 02 00.0	37.7N	21.1E	1	3.3L		¶97vi1340
ATH	VI	09 06 02 00.1	37.49N	20.84E	21	3.6L		
ISC	**VI**	**11 06 17 23**±5.2	**38.0N**±.35	**21.2E**±.21	**0**		**8**	**1-3**
								¶97vi1628
ISC	**VI**	**11 12 15 39**±1.8	**37.7N**±.12	**21.9E**±.20	**15**		**5**	**1-2**
THE	VI	11 12 15 39.5	37.7N	21.8E	15			¶97vi1687
ATH	VI	11 12 15 40.6	37.63N	21.83E	34	3.1L		
ISC	**VI**	**11 20 06 33.8**±.99	**37.95N**±.043	**24.45E**±.038	**21**±8.1	**4.0b**	**96**	**1-77**
EIDC	VI	11 20 06 32.1	38.0N	24.5E	0	4.0b,3.5L		¶97vi1742
MOS	VI	11 20 06 34.0	37.9N	24.5E	33	4.2b		
NEIC	VI	11 20 06 34.4	37.91N	24.42E	33	4.0b		
ATH	VI	11 20 06 35.8	37.86N	24.24E	23	3.7L		
THE	VI	11 20 06 38.1	38.2N	24.4E	16	3.6L		
ISC	**VI**	**15 15 28 28**±1.2	**37.64N**±.078	**21.5E**±.15	**5**		**12**	**1-4**
ATH	VI	15 15 28 29.3	37.55N	21.37E	5	2.8D		¶97vi2320
ATH	**VI**	**23 16 03 31.1**	**36.61N**	**22.98E**	**16**	**3.0D**		¶97vi3556
ATH	**VI**	**25 00 21 33.4**	**37.02N**	**24.85E**	**10**	**3.1D**		¶97vi3808
ISC	**VI**	**25 08 43 54.6**±.89	**36.05N**±.075	**22.43E**±.083	**54**±10	**3.7b**	**25**	**1-31**
EIDC	VI	25 08 43 50.6	36.1N	22.5E	0	3.8b,3.4L		¶97vi3874
NEIC	VI	25 08 43 52.8	36.12N	22.41E	33	4.1b		
ATH	VI	25 08 43 52.9	35.97N	22.43E	5	3.7L		
THE	VI	25 08 43 53.5	36.1N	22.5E	7			
NEIC	Less reliable solution.							
ISC	**VI**	**28 23 01 45**±1.5	**37.5N**±.11	**21.4E**±.12	**35**		**14**	**1-5**
ATH	VI	28 23 01 40.6	37.04N	20.76E	35	3.0D		¶97vi4537
THE	VI	28 23 01 45.7	37.4N	21.3E	20	2.8L		
ATH	**VI**	**30 09 06 02.9**	**37.81N**	**21.38E**	**10**	**2.8D**		¶97vi4736

(369) Dodecanese Islands.

ISC	**I**	**01 08 50 45**±1.0	**36.68N**±.048	**27.09E**±.056	**1**±9.1	**3.7b**	**18**	**1-32**
ISK	I	01 08 50 47.6	36.85N	27.16E	10	3.6D		¶97i0046
ATH	I	01 08 50 48.0	36.63N	27.20E	5	3.8L		
EIDC	I	01 08 50 49.3	36.5N	26.3E	0	3.7b		
ISC	**I**	**01 10 05 08**±1.4	**36.65N**±.071	**25.7E**±.11	**12**±16		**7**	**0-2**
ATH	I	01 10 05 09.6	36.59N	25.73E	5	3.3L		¶97i0055
ATH	**I**	**02 10 22 51.7**	**36.88N**	**26.30E**	**10**	**3.6D**		¶97i0191
ATH	**I**	**02 12 10 04.4**	**35.45N**	**27.66E**	**44**	**3.4D**		¶97i0203
ISC	**I**	**02 16 13 43**±1.8	**36.24N**±.086	**27.06E**±.088	**0**±21		**7**	**1-2**
ATH	I	02 16 13 44.8	36.21N	27.10E	2	3.7D		¶97i0240
ISC	**I**	**03 19 52 23**±2.0	**35.5N**±.26	**27.1E**±.18	**24**±13		**6**	**0-2**
ATH	I	03 19 52 23.7	35.54N	26.98E	15	3.7D		¶97i0418
ISC	**I**	**04 04 54 04**±1.7	**36.58N**±.063	**27.2E**±.11	**0**±19		**8**	**1-2**
ATH	I	04 04 54 05.5	36.59N	27.15E	5	3.7D		¶97i0482
ISC	**I**	**04 06 38 08.6**±.53	**36.59N**±.046	**27.05E**±.052	**5**		**18**	**1-5**
ISK	I	04 06 38 07.6	36.57N	27.02E	33	3.7D		¶97i0491
ATH	I	04 06 38 10.5	36.54N	27.18E	5	3.9L		
ISC	**I**	**04 17 06 14**±1.4	**36.62N**±.071	**25.7E**±.11	**13**±17		**6**	**0-2**
ATH	I	04 17 06 14.8	36.59N	25.70E	5	3.6D		¶97i0560
ISC	**I**	**10 10 37 12.7**±.65	**36.53N**±.055	**25.50E**±.072	**2**		**13**	**1-4**
THE	I	10 10 37 14.1	36.5N	25.5E	2			¶97i1347
ATH	I	10 10 37 14.7	36.54N	25.52E	8	3.5L		
ISC	**I**	**11 06 12 21**±1.3	**36.7N**±.12	**27.2E**±.10	**15**		**7**	**1-2**
ATH	I	11 06 12 22.2	36.67N	27.16E	15	3.6D		¶97i1477
ISK	**I**	**11 22 27 19.4**	**37.28N**	**26.59E**	**10**	**3.6D**		¶97i1587
ISC	**I**	**12 00 00 01.6**±.70	**37.01N**±.054	**26.74E**±.069	**5**		**10**	**1-3**
ATH	I	12 00 00 04.1	36.95N	26.83E	5	3.7L		¶97i1597
ISC	**I**	**12 20 20 57.9**±.47	**36.50N**±.038	**25.71E**±.039	**38**±5.5	**4.1b**	**105**	**1-150**
THE	I	12 20 20 55.9	36.6N	25.7E	3	4.0L		¶97i1735
ATH	I	12 20 20 56.0	36.62N	25.67E	5	4.1L		
MOS	I	12 20 20 56.9	36.2N	25.6E	52	4.4b		
BJI	I	12 20 20 58.0	36.28N	24.95E	74			
NEIC	I	12 20 20 58.0	36.49N	25.75E	50	4.1b		
EIDC	I	12 20 21 07.6	36.4N	25.4E	124	3.8b		
ISC	**I**	**12 20 46 08**±1.8	**36.60N**±.066	**25.5E**±.10	**1**±16		**10**	**0-3**
THE	I	12 20 46 09.1	36.6N	25.5E	4			¶97i1739
ATH	I	12 20 46 09.4	36.61N	25.51E	4	3.3L		
ISC	**I**	**12 21 06 44**±1.2	**36.62N**±.097	**25.5E**±.20	**5**		**4**	**0-2**
ATH	I	12 21 06 46.0	36.62N	25.56E	5	3.7D		¶97i1743
ISC	Poorly determined							
ISC	**I**	**14 19 12 59**±1.0	**36.55N**±.074	**28.2E**±.14	**5**		**5**	**0-2**
ATH	I	14 19 12 56.1	36.49N	28.62E	5	3.7D		¶97i2042
ISC	**I**	**18 08 09 33**±1.3	**36.28N**±.099	**25.2E**±.16	**27**		**5**	**1-5**
ATH	I	18 08 09 33.6	36.29N	25.20E	27	3.4D		¶97i2632
ISC	**I**	**18 13 08 49.1**±.62	**36.55N**±.033	**25.61E**±.037	**19**±6.1	**3.9b**	**88**	**1-76**
NEIC	I	18 13 08 49.8	36.40N	25.59E	33	4.0b		¶97i2666
ATH	I	18 13 08 50.2	36.64N	25.59E	10	3.8L		
THE	I	18 13 08 50.7	36.6N	25.6E	13	3.7L		
ISK	I	18 13 08 54.3	36.92N	25.80E	10	3.8D		
EIDC	I	18 13 08 57.7	36.3N	25.4E	92	3.6b		
ISC	**I**	**18 18 22 31.8**±.71	**36.62N**±.052	**25.54E**±.076	**5**		**10**	**0-3**
ATH	I	18 18 22 33.2	36.60N	25.60E	5	3.4L		¶97i2699
THE	I	18 18 22 33.4	36.6N	25.7E	0			
ISC	**I**	**19 00 58 34.1**±.90	**36.19N**±.086	**27.2E**±.11	**15**		**6**	**1-2**
ATH	I	19 00 58 35.3	36.24N	27.17E	15	3.5D		¶97i2753
ISC	**I**	**20 03 49 57**±1.1	**36.37N**±.087	**27.3E**±.11	**10**		**5**	**1-2**
ATH	I	20 03 49 58.8	36.32N	27.22E	10	3.8D		¶97i2937
ISC	**I**	**20 23 01 43.0**±.82	**37.00N**±.074	**28.05E**±.095	**10**		**9**	**0-2**
ISK	I	20 23 01 42.3	37.14N	28.07E	10	3.2D		¶97i3099
ATH	I	20 23 01 47.0	36.75N	28.07E	28	3.9D		
ISC	**I**	**21 19 01 10**±2.1	**36.5N**±.13	**28.2E**±.11	**6**±24		**5**	**0-2**
ATH	I	21 19 01 11.1	36.56N	28.25E	5	3.7D		¶97i3217
ISC	Poorly determined							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**I**	**22 00 16 43**±1.2	**36.3N**±.12	**27.2E**±.16	**32**		**4**	**1-2**	
ATH	I	22 00 16 43.5	36.30N	27.26E	32	3.6D			**¶97i3250**
ISC		Poorly determined							
ISC	**I**	**25 08 38 23**±5.7	**36.1N**±.40	**28.6E**±.26	**10**		**6**	**1-3**	
ISK	I	25 08 38 27.3	36.35N	28.80E	10	3.3D			**¶97i3775**
ISC	**I**	**26 06 12 07**±3.9	**36.6N**±.26	**28.2E**±.27	**11**		**5**	**1-2**	
ISK	I	26 06 12 06.9	36.63N	28.27E	11	3.3D			**¶97i3894**
ISC	**I**	**26 19 01 38**±2.4	**36.0N**±.19	**25.7E**±.90	**33**	**3.1b**	**4**	**16-77**	
EIDC	I	26 19 01 34.2	36.1N	26.1E	0	3.3b,3.7L			**¶97i3983**
ISC		Poorly determined							
ISC	**I**	**28 05 25 35**±1.5	**36.34N**±.089	**27.5E**±.12	**127**±20		**12**	**1-9**	
ATH	I	28 05 25 37.0	36.36N	27.45E	102				**¶97i4169**
ISK	I	28 05 25 44.2	36.67N	27.99E	10	3.2D			
ISC	**I**	**30 18 37 55.5**±.89	**36.95N**±.039	**28.27E**±.057	**13**±6.6	**3.8b**	**45**	**0-79**	
ISK	I	30 18 37 54.1	37.02N	28.08E	10	3.8D			**¶97i4525**
ATH	I	30 18 37 57.2	36.97N	28.03E	3	4.1D			
NEIC	I	30 18 37 58.1	36.86N	28.31E	38	3.8b			
EIDC	I	30 18 38 03.8	37.0N	28.2E	70	3.4b,3.4L			
ISC	**I**	**31 18 33 33**±1.5	**36.13N**±.089	**27.07E**±.081	**2**±18		**7**	**1-2**	
ATH	I	31 18 33 34.0	36.16N	27.08E	5	3.6D			**¶97i4661**
ISC	**II**	**02 14 08 32**±1.2	**36.3N**±.11	**27.4E**±.23	**93**		**6**	**1-3**	
ATH	II	02 14 08 32.1	36.31N	27.55E	93				**¶97ii0232**
ISC	**II**	**02 18 24 14**±1.3	**37.0N**±.12	**28.46E**±.084	**10**	**3.9b**	**27**	**0-25**	
EIDC	II	02 18 24 00.7	35.6N	29.1E	0	3.8b,3.7L			**¶97ii0260**
NEIC	II	02 18 24 05.3	36.20N	28.91E	10	3.8b			
NEIC	MD3.6(ISK), Poor solution.								
ISC	**II**	**02 20 33 04**±1.1	**36.38N**±.056	**27.28E**±.066	**13**±9.1		**20**	**1-21**	
NEIC	II	02 20 32 59.8	36.15N	26.83E	10	3.5b			**¶97ii0273**
ATH	II	02 20 33 06.7	36.39N	27.29E	8	3.9D			
NEIC		Poor solution.							
ISC	**II**	**04 04 04 52.0**±.74	**35.86N**±.077	**27.1E**±.13	**43**±13	**3.5b**	**12**	**0-41**	
ATH	II	04 04 04 49.5	36.16N	26.96E	5	3.7D			**¶97ii0462**
EIDC	II	04 04 04 53.7	35.7N	25.9E	0	3.6b,3.7L			
ISC	**II**	**05 03 24 10.8**±.87	**37.30N**±.065	**26.85E**±.095	**5**		**8**	**0-2**	
ATH	II	05 03 24 12.1	37.21N	26.89E	5	3.6D			**¶97ii0633**
ISC	**II**	**05 18 20 14**±1.4	**36.97N**±.083	**28.2E**±.32	**9**±24		**6**	**0-2**	
ATH	II	05 18 20 14.9	36.96N	28.28E	10	3.7D			**¶97ii0732**
ISC	**II**	**05 18 34 35**±1.1	**36.52N**±.090	**27.1E**±.15	**10**		**5**	**1-1**	
ATH	II	05 18 34 36.8	36.48N	26.87E	10	3.5D			**¶97ii0734**
ISC	**II**	**06 20 39 37**±1.2	**36.38N**±.086	**27.4E**±.14	**10**		**5**	**1-2**	
ATH	II	06 20 39 39.0	36.33N	27.25E	10	3.8D			**¶97ii0903**
ISC	**II**	**11 22 27 23.9**±.86	**37.50N**±.054	**26.81E**±.070	**25**±9.9		**25**	**0-8**	
ISK	II	11 22 27 19.4	37.28N	26.59E	10	3.6D			**¶97ii1682**
ATH	II	11 22 27 21.4	37.43N	27.17E	10	3.9L			
NEIC	II	11 22 27 27.4	37.57N	27.45E	10				
NEIC		Less reliable solution.							
ISC	**II**	**13 02 13 24**±1.0	**35.8N**±.11	**27.2E**±.13	**4**		**5**	**0-3**	
ATH	II	13 02 13 25.5	35.72N	27.27E	4	3.7D			**¶97ii1858**
ATH	**II**	**13 23 19 25.8**	**35.38N**	**27.73E**	**37**	**3.5D**			**¶97ii1995**
ISC	**II**	**14 12 27 17**±2.3	**35.5N**±.19	**27.3E**±.13	**5**		**7**	**0-3**	
ATH	II	14 12 27 17.9	35.56N	27.29E	5	3.7D			**¶97ii2054**
ISC	**II**	**14 15 28 39.7**±.96	**36.61N**±.090	**27.1E**±.12	**38**		**6**	**1-1**	
ATH	II	14 15 28 39.6	36.63N	27.16E	38	3.6D			**¶97ii2070**
ISC	**II**	**14 16 00 02**±1.0	**36.62N**±.097	**27.1E**±.14	**37**		**5**	**1-1**	
ATH	II	14 16 00 01.7	36.64N	27.17E	37	3.7D			**¶97ii2074**
ATH	**II**	**15 01 34 56.2**	**36.51N**	**28.23E**	**5**	**3.6D**			**¶97ii2152**
ISC	**II**	**20 03 22 33**±1.0	**36.69N**±.066	**28.0E**±.17	**10**		**5**	**0-1**	
ATH	II	20 03 22 35.1	36.64N	27.90E	10				**¶97ii2869**
ATH	**II**	**21 10 34 49.6**	**36.24N**	**27.75E**	**10**	**3.8D**			**¶97ii3053**
NEIC		Felt at Fethiye (after DST)							
ISC	**II**	**23 22 30 58**±1.3	**36.6N**±.11	**27.3E**±.14	**10**		**4**	**1-2**	
ATH	II	23 22 30 59.1	36.58N	27.28E	10	3.4D			**¶97ii3384**
ISC		Poorly determined							
ISC	**II**	**23 23 17 07**±1.1	**36.57N**±.092	**27.2E**±.13	**10**		**5**	**1-2**	
ATH	II	23 23 17 07.7	36.59N	27.25E	10	3.5D			**¶97ii3389**
ISC	**II**	**24 09 42 01.1**±.84	**36.48N**±.089	**27.26E**±.097	**48**		**8**	**1-3**	
ATH	II	24 09 42 00.7	36.57N	27.31E	48	3.7D			**¶97ii3456**
ISC	**II**	**24 18 35 28.0**±.68	**36.46N**±.063	**27.19E**±.073	**43**±8.4	**3.8b**	**26**	**1-101**	
EIDC	II	24 18 35 23.3	36.5N	27.3E	0	3.9b,3.5L			**¶97ii3523**
NEIC	II	24 18 35 23.5	36.39N	27.21E	10	4.0b			
ATH	II	24 18 35 29.0	36.13N	27.25E	18	4.2L			
ISK	II	24 18 35 37.6	37.26N	27.79E	10	3.7D			
NEIC		Less reliable solution.							
ISC	**II**	**25 21 25 33.2**±.53	**36.46N**±.046	**27.11E**±.043	**45**±6.2	**3.9b**	**63**	**1-77**	
EIDC	II	25 21 25 29.6	36.4N	27.1E	0	4.0b,3.2L			**¶97ii3693**
THE	II	25 21 25 30.4	36.4N	27.5E	40				
MOS	II	25 21 25 31.4	36.4N	27.1E	33	4.5b			
NEIC	II	25 21 25 32.1	36.48N	27.03E	33	4.2b			
ATH	II	25 21 25 32.8	36.48N	27.26E	39	4.3L			
ISC	**II**	**27 18 03 00.5**±.22	**36.46N**±.032	**26.84E**±.033	**148**±4.2	**3.9b**	**122**	**1-65**	
ISK	II	27 18 02 50.4	35.96N	26.30E	9	3.9D			**¶97ii3993**
EIDC	II	27 18 02 58.9	36.4N	26.6E	95	3.7b			
NEIC	II	27 18 02 59.2	36.42N	26.76E	131	4.1b			
MOS	II	27 18 02 59.4	36.4N	26.8E	136	4.0b			
THE	II	27 18 03 02.9	36.7N	26.7E	7	3.9L			
ATH	II	27 18 03 06.2	36.52N	26.69E	40	3.9L			
RYD	II	27 18 04 21.3	31.78N	31.06E	36	4.1D			
ISC	**III**	**05 04 51 19**±1.6	**36.74N**±.087	**27.3E**±.12	**56**±57		**8**	**1-2**	
ATH	III	05 04 51 16.1	36.82N	27.54E	110				**¶97iii0985**
ISC	**III**	**06 03 47 16.3**±.26	**36.16N**±.033	**28.71E**±.037	**78**±5.8	**3.6b**	**85**	**0-77**	
EIDC	III	06 03 47 11.0	36.3N	28.6E	0	3.8b,4.0L			**¶97iii1182**
NEIC	III	06 03 47 14.8	36.10N	28.60E	55	3.6b			
THE	III	06 03 47 18.4	36.2N	28.6E	61				
ATH	III	06 03 47 18.7	36.25N	28.63E	55	4.3L			
ISK	III	06 03 47 19.8	36.57N	28.91E	10	3.7D			
ISC	**III**	**08 16 37 26.9**±.63	**35.98N**±.065	**27.16E**±.066	**10**		**17**	**1-9**	
ISK	III	08 16 37 27.8	36.12N	26.84E	10	3.7D			**¶97iii1791**
ATH	III	08 16 37 29.7	36.25N	27.16E	37	3.9D			
ISC	**III**	**15 01 42 38.4**±.83	**36.2N**±.11	**27.21E**±.091	**5**		**9**	**1-3**	
ATH	III	15 01 42 37.5	36.40N	27.21E	5	3.8D			**¶97iii2975**
ISC	**III**	**18 02 30 03**±1.4	**36.9N**±.10	**27.5E**±.16	**5**		**6**	**1-3**	
ATH	III	18 02 30 03.0	36.63N	27.27E	5	3.4D			**¶97iii3473**
ATH	**III**	**20 01 03 46.3**	**36.39N**	**26.10E**	**10**	**3.5D**			**¶97iii3803**
ISC	**III**	**20 23 00 01.9**±.34	**36.48N**±.044	**27.25E**±.045	**10**	**4.0b**,2.9s	**47**	**1-57**	
MOS	III	20 23 00 00.8	36.4N	27.2E	10	4.2b			**¶97iii3962**
NEIC	III	20 23 00 01.6	36.42N	27.22E	10	4.1b			
ATH	III	20 23 00 05.3	36.77N	27.24E	23	4.0L			
EIDC	III	20 23 00 09.0	36.5N	27.2E	40	3.7b,2.9L			
ISK	III	20 23 00 09.1	37.00N	27.55E	9	3.7D			
ISK	**III**	**21 01 03 41.1**	**36.82N**	**27.70E**	**10**	**3.3D**			**¶97iii3977**
ISC	**III**	**23 16 53 31**±1.6	**36.4N**±.12	**27.9E**±.14	**61**±27		**7**	**0-2**	
ATH	III	23 16 53 31.9	36.38N	27.95E	55	3.6D			**¶97iii4462**
ATH	**III**	**24 19 05 50.7**	**35.27N**	**27.17E**	**32**	**3.7D**			**¶97iii4605**
ISC	**III**	**27 13 21 51**±1.4	**36.2N**±.17	**27.9E**±.14	**33**		**5**	**0-4**	
									¶97iii5233
ISC	**III**	**30 20 58 29**±1.0	**36.81N**±.057	**27.90E**±.088	**31**±11		**18**	**0-9**	
ISK	III	30 20 58 25.9	36.72N	27.72E	10	3.6D			**¶97iii5806**
NEIC	III	30 20 58 28.5	36.89N	27.86E	10				
ATH	III	30 20 58 30.2	36.83N	27.81E	10	3.9D			
ISC	**III**	**31 17 51 36.8**±.56	**36.12N**±.059	**27.13E**±.052	**59**±7.5	**3.6b**	**38**	**1-79**	
ATH	III	31 17 51 34.7	36.16N	27.11E	7	4.2L			**¶97iii5915**
NEIC	III	31 17 51 36.3	36.18N	27.14E	53	3.6b			
EIDC	III	31 17 51 41.8	36.0N	27.4E	87	3.4b			
NEIC	MD3.8(ISK).								
ISC	**IV**	**08 19 54 00**±4.5	**36.5N**±.31	**28.3E**±.29	**8**		**5**	**1-2**	
ISK	IV	08 19 54 00.0	36.49N	28.34E	8	3.2D			**¶97iv1394**
ISK	**IV**	**08 22 37 14.8**	**36.41N**	**28.16E**	**33**	**3.2D**			**¶97iv1421**
ISC	**IV**	**10 13 20 41.0**±.76	**36.79N**±.073	**25.59E**±.073	**5**		**9**	**1-2**	
ATH	IV	10 13 20 42.9	36.79N	25.55E	5	3.4L			**¶97iv1698**
ISC	**IV**	**10 22 10 48**±1.0	**36.72N**±.079	**27.2E**±.12	**10**		**6**	**1-2**	
ATH	IV	10 22 10 48.9	36.74N	27.19E	10	3.6D			**¶97iv1752**
ISC	**IV**	**13 20 31 03**±8.8	**35.3N**±.84	**27.6E**±.75	**40**		**4**	**1-3**	
ATH	IV	13 20 31 04.6	35.51N	27.52E	40	3.5D			**¶97iv2296**
ISC		Poorly determined							
ISC	**IV**	**18 09 59 41**±2.0	**36.6N**±.14	**28.0E**±.20	**45**±58		**7**	**0-4**	
ISK	IV	18 09 59 35.5	36.32N	27.71E	10	3.3D			**¶97iv3055**
ATH	IV	18 09 59 41.3	36.59N	28.09E	44	3.7D			
ISC	**IV**	**19 01 16 09.8**±.57	**36.08N**±.088	**28.34E**±.062	**78**±20	2.5b	**23**	**0-77**	
ATH	IV	19 01 16 09.9	36.25N	28.40E	77				**¶97iv3136**
ISK	IV	19 01 16 09.9	36.21N	28.48E	7	3.4D			
ISC	**IV**	**30 19 24 28**±1.6	**37.09N**±.075	**26.76E**±.091	**3**±17		**8**	**1-3**	
ATH	IV	30 19 24 31.7	37.10N	26.62E	5	3.5D			**¶97iv5253**
ISC	**V**	**03 10 59 26**±2.9	**36.7N**±.11	**27.2E**±.10	**1**±27		**6**	**1-2**	
ATH	V	03 10 59 27.0	36.70N	27.23E	5	3.6D			**¶97v0423**
ISC	**V**	**09 08 41 14**±1.3	**35.6N**±.12	**27.20E**±.091	**5**		**10**	**1-4**	
ATH	V	09 08 41 13.5	35.36N	27.35E	5	4.0D			**¶97v1391**
ATH	**V**	**09 17 30 14.8**	**36.48N**	**26.82E**	**10**				**¶97v1457**
ATH	**V**	**09 17 46 20.5**	**35.95N**	**27.23E**	**38**	**3.8D**			**¶97v1458**
ATH	**V**	**09 18 12 02.2**	**35.64N**	**27.43E**	**10**				**¶97v1461**
ISC	**V**	**09 18 32 08**±1.1	**35.8N**±.12	**27.16E**±.082	**3**		**10**	**1-5**	
ATH	V	09 18 32 09.4	35.93N	27.20E	3	4.0D			**¶97v1464**
ISC	**V**	**09 18 41 00**±1.2	**35.37N**±.022	**27.33E**±.022	**12**±8.0	**4.5b,4.4s**	**279**	**1-116**	
MOS	V	09 18 40 59.0	35.4N	27.3E	10	5.3b,4.2s			**¶97v1466**
BJI	V	09 18 40 59.9	35.40N	27.30E	20	4.9b			
NEIC	V	09 18 40 59.9	35.38N	27.28E	20	4.5b,4.1s			
THE	V	09 18 41 01.3	35.5N	27.4E	10	4.2L			
ATH	V	09 18 41 02.2	35.43N	27.46E	34	4.7L			
EIDC	V	09 18 41 05.1	35.3N	27.4E	42	4.2b,4.2L			
JSO	V	09 18 41 05.2	35.32N	27.44E	10	6.8L			
RYD	V	09 18 41 50.0	37.3N	25.6E	33	3.9D			
NEIC	MD4.6(ISK)								
NEIC		Felt in the epicentral area.							
ATH	**V**	**09 18 55 32.7**	**35.87N**	**27.21E**	**10**	**3.6D**			**¶97v1469**
ATH	**V**	**09 20 08 39.9**	**35.83N**	**27.26E**	**10**	**3.6D**			**¶97v1480**
ATH	**V**	**09 20 11 48.7**	**35.58N**	**27.30E**	**10**				**¶97v1481**
ATH	**V**	**10 00 50 34.7**	**36.00N**	**27.02E**	**10**				**¶97v1506**
ISC	**V**	**10 21 33 06**±2.1	**35.04N**±.068	**27.22E**±.066	**0**±18		**22**	**1-8**	
THE	V	10 21 33 10.2	35.2N	27.2E	12				**¶97v1666**
ATH	V	10 21 33 11.4	35.45N	26.97E	5	4.1D			
ISC	**V**	**11 14 00 38**±1.7	**35.26N**±.084	**27.38E**±.076	**26**±14	**3.6b**	**29**	**1-80**	
THE	V	11 14 00 38.9	35.6N	27.2E	8				**¶97v1787**
ATH	V	11 14 00 41.0	35.69N	27.33E	37	4.1D			
NEIC	V	11 14 00 45.8	35.36N	27.05E	100	3.9b			
EIDC	V	11 14 00 49.5	35.4N	27.2E	117	3.2b,2.3s			
NEIC		Less reliable solution.							
ISC	**V**	**11 19 25 38**±3.1	**35.3N**±.28	**27.4E**±.21	**37**		**7**	**1-4**	
ATH	V	11 19 25 39.0	35.42N	27.51E	37	3.8D			**¶97v1832**
ISC	**V**	**11 23 02 17**±2.6	**35.4N**±.25	**27.3E**±.18	**37**		**7**	**1-4**	
ATH	V	11 23 02 17.6	35.52N	27.44E	37	3.6D			**¶97v1860**
ISC	**V**	**15 10 05 14.5**±.32	**35.31N**±.027	**27.30E**±.026	**43**±4.4	**4.2b,3.1s**	**195**	**1-91**	
MOS	V	15 10 05 12.9	35.1N	27.2E	33	4.6b			**¶97v2593**
NEIC	V	15 10 05 13.7	35.32N	27.30E	35	4.3b			
BJI	V	15 10 05 14.3	35.65N	27.36E	25	4.6b			
THE	V	15 10 05 15.3	35.5N	27.2E	7	4.0L			
ATH	V	15 10 05 16.5	35.48N	27.26E	26	4.6L			
EIDC	V	15 10 05 25.5	35.6N	27.1E	120	3.9b,3.3s			
ISC	**V**	**15 10 07 55.0**±.70	**35.28N**±.060	**27.30E**±.051	**48**±7.7	**3.9b**,3.4s	**66**	**1-80**	
EIDC	V	15 10 07 49.3	35.0N	27.4E	0	3.9b,4.1L			**¶97v2595**
NEIC	V	15 10 07 53.8	35.31N	27.29E	33	4.0b			
ATH	V	15 10 07 59.7	35.69N	27.31E	39	4.2L			
ISC	**V**	**16 04 49 00.1**±.81	**36.69N**±.074	**27.96E**±.096	**10**		**9**	**0-5**	
ATH	V	16 04 49 03.3	36.53N	27.72E	10	3.9D			**¶97v2725**
ISC	**V**	**16 23 50 21**±5.0	**35.5N**±.40	**27.8E**±.36	**10**		**4**	**1-2**	
ATH	V	16 23 50 24.4	35.75N	27.58E	10	3.6D			**¶97v2851**
ISC		Poorly determined							
ISC	**V**	**18 16 34 18.8**±.49	**36.52N**±.048	**28.23E**±.063	**40**±14	3.7b	**29**	**0-21**	
THE	V	18 16 34 18.6	36.7N	27.8E	0				**¶97v3119**
ATH	V	18 16 34 19.2	36.65N	27.93E	14	4.0D			
ISC	**V**	**22 02 36 30**±1.4	**37.0N**±.12	**26.73E**±.095	**5**		**5**	**1-2**	
ATH	V	22 02 36 30.6	37.16N	26.80E	5	3.5D			**¶97v3684**
ATH	**V**	**24 01 16 25.0**	**35.59N**	**27.37E**	**10**	**3.4D**			**¶97v4030**
ISC	**V**	**25 16 47 01**±9.6	**37.8N**±.28	**27.0E**±.80	**5**		**4**	**1-2**	
ISK	V	25 16 47 02.7	37.84N	27.17E	5	2.9D			**¶97v4299**
ISC		Poorly determined							
ISC	**V**	**26 16 01 35.8**±.79	**36.76N**±.061	**26.44E**±.088	**5**		**8**	**1-2**	
ATH	V	26 16 01 38.2	36.72N	26.43E	5	3.7D			**¶97v4437**
ISC	**V**	**28 06 31 05**±1.2	**36.4N**±.12	**27.1E**±.15	**30**		**4**	**1-1**	
ATH	V	28 06 31 04.7	36.47N	27.16E	30	3.6D			**¶97v4669**
ISC		Poorly determined							
ATH	**V**	**28 11 01 01.2**	**36.39N**	**27.20E**	**10**				**¶97v4706**
ISC	**V**	**29 19 06 06**±4.2	**37.8N**±.14	**26.9E**±.46	**5**		**6**	**1-3**	
ISK	V	29 19 06 06.3	37.89N	27.05E	5	3.3D			**¶97v4917**
ISC	**V**	**29 19 31 45**±4.8	**37.4N**±.19	**26.4E**±.36	**5**		**5**	**1-3**	
ISK	V	29 19 31 54.7	37.81N	27.53E	5	2.9D			**¶97v4920**
ISC	**V**	**29 23 38 32**±5.3	**37.8N**±.15	**26.6E**±.45	**10**		**5**	**1-2**	
ISK	V	29 23 38 34.5	37.81N	27.01E	10	2.8D			**¶97v4943**
ISC	**VI**	**01 06 39 55**±1.4	**36.3N**±.18	**27.5E**±.17	**88**		**5**	**0-2**	
ATH	VI	01 06 39 55.7	36.27N	27.52E	88				**¶97vi0034**

ATH	**VI**	**01 08 18 30.4**	**36.67N**	**27.51E**	**114**			**¶97vi0042**
ISC	**VI**	**02 21 39 13.7**±.83	**36.04N**±.087	**27.14E**±.082	**5**		**8**	**0-3**
ATH	VI	02 21 39 14.7	36.07N	27.21E	5	4.0D		**¶97vi0337**
ISC	**VI**	**03 02 28 32**±1.5	**36.04N**±.098	**27.18E**±.099	**7**±19		**6**	**0-2**
ATH	VI	03 02 28 33.9	36.06N	27.21E	5	3.5D		**¶97vi0375**
ISC	**VI**	**03 22 52 42**±6.3	**37.9N**±.19	**26.9E**±.69	**10**		**5**	**1-3**
ISK	VI	03 22 52 45.5	37.95N	27.15E	10	2.9D		**¶97vi0530**
ISC	Poorly determined							
ISC	**VI**	**04 15 04 55.0**±.75	**36.67N**±.046	**26.40E**±.060	**28**±8.1	**4.1b**	**40**	**1-67**
NEIC	VI	04 15 04 55.6	36.62N	26.44E	33	4.2b		**¶97vi0630**
ATH	VI	04 15 04 56.7	36.69N	26.34E	5	4.3L		
THE	VI	04 15 04 56.8	36.8N	26.3E	15			
EIDC	VI	04 15 05 09.3	36.7N	25.9E	145	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**05 21 31 28.1**±.86	**37.94N**±.072	**26.9E**±.10	**8**		**9**	**1-3**
ISK	VI	05 21 31 29.7	37.95N	27.09E	8	3.0D		**¶97vi0832**
ATH	VI	05 21 31 33.9	38.19N	25.58E	10	3.2D		
ISC	**VI**	**05 23 05 43**±2.9	**36.5N**±.22	**28.9E**±.14	**14**±10		**10**	**1-5**
ISK	VI	05 23 05 44.3	36.59N	28.97E	10	3.3D		**¶97vi0848**
ISC	**VI**	**07 05 02 15**±1.2	**36.6N**±.14	**27.2E**±.18	**78**		**4**	**1-1**
ATH	VI	07 05 02 15.3	36.53N	27.21E	78			**¶97vi1045**
ISC	Poorly determined							
ATH	**VI**	**08 02 24 18.1**	**35.97N**	**27.32E**	**10**	**3.4D**		**¶97vi1166**
ISC	**VI**	**11 10 53 27**±5.5	**36.8N**±.22	**27.7E**±.43	**6**		**5**	**1-2**
ISK	VI	11 10 53 24.1	36.81N	27.51E	6	3.2D		**¶97vi1674**
ISC	**VI**	**11 20 17 01**±3.1	**35.5N**±.30	**27.3E**±.20	**10**		**4**	**0-2**
ATH	VI	11 20 17 02.1	35.55N	27.24E	10	3.6D		**¶97vi1744**
ISC	Poorly determined							
ATH	**VI**	**12 17 59 43.6**	**35.35N**	**27.49E**	**58**	**3.4D**		**¶97vi1880**
ISC	**VI**	**14 06 32 29.8**±.70	**36.65N**±.059	**27.13E**±.076	**1**		**10**	**1-5**
THE	VI	14 06 32 30.8	36.6N	27.2E	1			**¶97vi2093**
ATH	VI	14 06 32 30.9	36.70N	27.25E	5	3.8D		
ISC	**VI**	**14 14 09 22**±1.6	**35.7N**±.13	**27.2E**±.12	**0**±26		**5**	**0-2**
ATH	VI	14 14 09 23.8	35.69N	27.18E	2	3.5D		**¶97vi2135**
ISC	Poorly determined							
ISC	**VI**	**14 15 16 12.8**±.96	**36.36N**±.084	**27.2E**±.10	**10**		**7**	**1-3**
ATH	VI	14 15 16 12.9	36.44N	27.27E	10	3.7D		**¶97vi2140**
ISK	VI	14 15 16 21.9	37.14N	28.04E	10	3.3D		
ISC	**VI**	**15 01 35 28**±1.2	**36.4N**±.11	**27.2E**±.13	**10**		**4**	**1-2**
ATH	VI	15 01 35 27.5	36.44N	27.28E	10	3.5D		**¶97vi2207**
ISC	Poorly determined							
ATH	**VI**	**15 01 38 57.7**	**36.33N**	**27.20E**	**10**	**3.4D**		**¶97vi2208**
ISC	**VI**	**22 04 58 53**±1.1	**36.67N**±.088	**27.2E**±.11	**10**		**5**	**1-1**
ATH	VI	22 04 58 53.5	36.69N	27.28E	10	3.4D		**¶97vi3329**
ISC	**VI**	**29 23 31 45**±1.3	**35.8N**±.31	**27.3E**±.32	**85**		**4**	**0-2**
ATH	VI	29 23 31 45.3	35.62N	27.50E	85			**¶97vi4682**
ISC	Poorly determined							

(370) Crete.

ISC	**I**	**01 10 38 52.4**±.55	**34.49N**±.047	**25.31E**±.041	**58**±5.4	**4.0b**	**99**	**1-100**
EIDC	I	01 10 38 48.0	34.7N	25.3E	0	4.1b,4.1L		**¶97i0061**
MOS	I	01 10 38 48.8	34.3N	25.1E	33	4.2b		
NEIC	I	01 10 38 50.6	34.73N	25.37E	33	4.1b		
THE	I	01 10 38 57.1	34.9N	25.3E	19	3.9L		
ATH	I	01 10 38 58.7	34.97N	25.34E	29	4.0L		
ATH	**I**	**03 14 51 21.0**	**35.60N**	**24.04E**	**10**	**3.2D**		**¶97i0393**
ATH	**I**	**05 04 40 52.4**	**35.26N**	**25.40E**	**10**	**3.4D**		**¶97i0616**
ISC	**I**	**07 01 43 59**±2.2	**35.2N**±.27	**25.2E**±.13	**31**		**4**	**0-2**
ATH	I	07 01 43 58.9	35.19N	25.23E	31	3.6D		**¶97i0867**
ISC	Poorly determined							
ISC	**I**	**07 02 14 18.3**±.94	**34.55N**±.025	**24.64E**±.021	**15**±6.0	**4.8b,4.1s**	**348**	**1-118**
RYD	I	07 02 14 09.0	37.0N	25.4E	35	4.4D		**¶97i0871**
MOS	I	07 02 14 19.6	34.4N	24.4E	40	5.4b,3.9s		
BJI	I	07 02 14 21.7	35.00N	24.57E	34	4.9b		
NEIC	I	07 02 14 21.8	34.74N	24.86E	41	4.8b		
THE	I	07 02 14 23.3	34.7N	24.5E	32	4.5L		
EIDC	I	07 02 14 24.6	34.8N	24.7E	41	4.5b,5.0L		
ATH	I	07 02 14 26.1	34.88N	24.64E	28	4.3L		
PDG	I	07 02 14 32.6	35.2N	23.0E	45	4.7L		
ATH	**I**	**07 23 29 10.1**	**35.60N**	**23.24E**	**10**	**3.3D**		**¶97i0990**
ATH	**I**	**08 20 17 11.9**	**34.41N**	**24.32E**	**34**			**¶97i1109**
ATH	**I**	**09 05 02 25.2**	**34.57N**	**24.41E**	**5**			**¶97i1168**
ATH	**I**	**09 14 52 54.7**	**34.54N**	**26.24E**	**10**	**3.7D**		**¶97i1236**
ATH	**I**	**09 16 49 48.4**	**35.76N**	**26.68E**	**10**	**3.8D**		**¶97i1247**
ISC	**I**	**09 19 08 10**±1.1	**34.45N**±.090	**24.59E**±.085	**60**±11	**3.8b**	**30**	**1-78**
EIDC	I	09 19 08 04.8	34.0N	24.5E	21	3.8b,4.0L		**¶97i1265**
NEIC	I	09 19 08 07.7	34.52N	24.53E	33	3.3b		
ATH	I	09 19 08 13.7	35.07N	24.61E	5	3.9D		
ATH	**I**	**10 20 31 59.0**	**34.46N**	**26.71E**	**10**			**¶97i1419**
ATH	**I**	**12 02 04 33.0**	**35.76N**	**25.65E**	**10**	**3.8D**		**¶97i1612**
ATH	**I**	**14 01 41 59.0**	**35.83N**	**25.41E**	**33**	**3.1D**		**¶97i1931**
ATH	**I**	**14 09 42 08.1**	**35.09N**	**24.59E**	**5**	**3.6D**		**¶97i1977**
ATH	**I**	**16 13 27 28.0**	**34.44N**	**24.56E**	**7**	**3.4D**		**¶97i2317**
ISC	**I**	**16 20 29 24**±3.1	**35.2N**±.42	**25.7E**±.12	**12**		**4**	**0-3**
ATH	I	16 20 29 24.0	35.08N	25.68E	12	3.5D		**¶97i2355**
ISC	Poorly determined							
ISC	**I**	**17 02 57 38**±2.0	**34.9N**±.19	**26.59E**±.064	**5**		**14**	**1-19**
ATH	I	17 02 57 39.2	34.82N	26.63E	5	3.9D		**¶97i2395**
ISC	**I**	**18 17 01 25**±1.4	**35.5N**±.22	**24.3E**±.15	**30**		**4**	**0-2**
ATH	I	18 17 01 25.6	35.45N	24.19E	30	3.5D		**¶97i2691**
ISC	Poorly determined							
ISC	**I**	**19 03 38 51**±3.8	**34.8N**±.32	**25.5E**±.15	**23**		**4**	**0-2**
ATH	I	19 03 38 50.1	34.64N	25.47E	23	3.8D		**¶97i2771**
ISC	Poorly determined							
ATH	**I**	**21 23 43 14.8**	**35.72N**	**23.84E**	**10**	**3.4D**		**¶97i3245**
ATH	**I**	**22 02 59 34.8**	**35.61N**	**23.50E**	**10**			**¶97i3273**
ATH	**I**	**26 04 51 24.0**	**35.73N**	**23.23E**	**13**			**¶97i3889**
ATH	**I**	**31 14 37 51.9**	**35.34N**	**24.46E**	**10**	**3.7D**		**¶97i4639**
ISC	**II**	**01 23 08 36**±2.8	**35.0N**±.24	**24.4E**±.17	**10**	**3.9b**	**8**	**0-35**
EIDC	II	01 23 08 17.5	32.9N	23.4E	0	4.1b		**¶97ii0138**
ATH	II	01 23 08 33.9	34.81N	24.23E	10	4.0D		
ATH	**II**	**02 01 51 14.9**	**35.10N**	**24.63E**	**5**	**3.8D**		**¶97ii0156**
ATH	**II**	**02 03 14 38.6**	**35.10N**	**24.63E**	**5**	**3.9D**		**¶97ii0166**
ISC	**II**	**04 23 54 58**±1.3	**35.5N**±.12	**24.3E**±.15	**18**		**4**	**0-2**
ATH	II	04 23 54 58.2	35.52N	24.26E	18	3.7D		**¶97ii0609**
ISC	Poorly determined							
ATH	**II**	**05 15 53 31.3**	**34.65N**	**24.69E**	**5**	**3.6D**		**¶97ii0714**
ATH	**II**	**06 15 48 32.9**	**34.45N**	**24.46E**	**34**			**¶97ii0866**
ATH	**II**	**11 18 31 14.1**	**35.40N**	**25.11E**	**10**	**3.5D**		**¶97ii1661**
ISC	**II**	**13 18 36 42**±1.0	**35.5N**±.23	**25.2E**±.13	**10**		**5**	**0-8**
ATH	II	13 18 36 42.4	35.50N	25.15E	10	3.4D		**¶97ii1960**
ISC	**II**	**18 13 13 36**±3.0	**35.1N**±.33	**25.20E**±.085	**5**		**6**	**0-3**
ATH	II	18 13 13 36.0	34.97N	25.25E	5	3.5D		**¶97ii2646**
ATH	**II**	**18 20 05 32.8**	**35.20N**	**25.02E**	**10**	**3.6D**		**¶97ii2685**
ISC	**II**	**21 08 38 38**±2.6	**34.30N**±.083	**24.66E**±.074	**24**±19	**4.0b**	**39**	**1-78**
EIDC	II	21 08 38 36.7	34.3N	24.7E	0	4.0b,4.4L		**¶97ii3041**
NEIC	II	21 08 38 39.6	34.36N	24.73E	33	3.9b		
ATH	II	21 08 38 48.0	35.04N	24.73E	5	3.8D		
THE	II	21 08 38 50.3	35.4N	24.7E	7			
NEIC	Less reliable solution.							
ISC	**II**	**22 21 46 43**±1.5	**35.4N**±.18	**24.6E**±.10	**5**		**4**	**0-2**
ATH	II	22 21 46 43.9	35.47N	24.57E	5	3.5D		**¶97ii3257**
ISC	Poorly determined							
ISC	**II**	**24 18 41 47.9**±.67	**34.59N**±.072	**24.68E**±.085	**10**	**3.8b**	**19**	**1-60**
NEIC	II	24 18 41 48.0	34.58N	24.69E	10			**¶97ii3525**
EIDC	II	24 18 41 48.4	34.6N	24.7E	0	3.8b,3.8L		
ATH	II	24 18 41 53.7	35.07N	24.70E	5	3.7D		
NEIC	Single network solution.							
ATH	**II**	**25 02 40 38.6**	**35.04N**	**24.78E**	**10**			**¶97ii3569**
ISC	**III**	**01 02 16 52**±1.3	**34.04N**±.038	**26.18E**±.030	**10**±8.5	**4.3b,**3.4s	**125**	**1-117**
MOS	III	01 02 16 53.6	33.9N	26.1E	33	4.4b		**¶97iii0019**
NEIC	III	01 02 16 55.7	34.16N	26.16E	33	4.1b		
EIDC	III	01 02 16 58.4	34.2N	26.2E	35	4.1b,4.1L		
ROM	III	01 02 16 58.8	34.2N	25.9E	10	4.5D		
BJI	III	01 02 17 01.8	35.07N	26.67E	32			
ATH	III	01 02 17 02.8	34.53N	26.09E	38	4.2L		
THE	III	01 02 17 07.0	35.0N	25.8E	10			
ATH	**III**	**02 22 44 54.8**	**35.75N**	**23.28E**	**10**	**3.1D**		**¶97iii0418**
ATH	**III**	**09 12 21 01.1**	**34.85N**	**25.33E**	**10**	**3.4D**		**¶97iii1958**
ISC	**III**	**09 18 04 04**±5.4	**34.5N**±.46	**24.7E**±.14	**10**	3.7b	**8**	**1-28**
EIDC	III	09 18 03 55.6	33.7N	24.3E	0	3.7L,3.8b		**¶97iii2039**
ATH	III	09 18 04 12.0	35.23N	24.87E	10	3.6D		
ATH	**III**	**10 11 41 57.1**	**35.08N**	**24.68E**	**10**	**3.4D**		**¶97iii2205**
ATH	**III**	**11 03 12 09.1**	**35.66N**	**23.50E**	**10**	**3.3D**		**¶97iii2298**
ISC	**III**	**16 07 02 35**±2.4	**34.1N**±.23	**26.84E**±.090	**54**±12	**3.8b**	**17**	**2-116**
EIDC	III	16 07 02 30.4	34.3N	27.4E	0	3.9b,3.8L		**¶97iii3185**
NEIC	III	16 07 02 34.2	34.33N	27.22E	33			
ATH	III	16 07 02 38.5	34.74N	27.00E	35	3.8D		
NEIC	Poor solution.							
ISC	**III**	**18 11 26 19.5**±.22	**34.31N**±.026	**26.08E**±.020	**39**±1.4*	**5.1b,4.5s**	**412**	**1-127**
ISK	III	18 11 26 13.4	33.89N	25.92E	10	4.5D		**¶97iii3525**
RYD	III	18 11 26 15.0	34.27N	25.99E	33	5.0D		
NEIC	III	18 11 26 16.0	34.19N	26.15E	20	5.1b		
BJI	III	18 11 26 16.5	34.31N	25.95E	28	5.0b,4.9s		
MOS	III	18 11 26 16.6	34.2N	26.0E	17	5.6b,4.4s		
EIDC	III	18 11 26 20.7	34.3N	26.1E	35	4.8b,4.4s		
ATH	III	18 11 26 22.9	34.50N	26.12E	20	4.5L		
THE	III	18 11 26 29.9	35.0N	25.7E	10	4.3L		
ISC	**III**	**20 23 50 20.0**±.65	**35.10N**±.032	**25.68E**±.028	**28**±5.7	**4.2b**	**176**	**0-118**
ISK	III	20 23 50 11.1	34.90N	25.05E	9	4.1D		**¶97iii3971**
ATH	III	20 23 50 18.7	35.05N	25.94E	15	4.5L		
MOS	III	20 23 50 20.0	35.1N	25.7E	33	4.6b		
NEIC	III	20 23 50 20.4	35.19N	25.76E	33	4.2b		
EIDC	III	20 23 50 22.1	35.0N	25.6E	32	4.1b,4.6L		
THE	III	20 23 50 22.7	35.3N	25.6E	14	4.0L		
ISC	**III**	**23 01 53 47**±1.1	**35.4N**±.10	**25.7E**±.11	**6**		**5**	**0-3**
ATH	III	23 01 53 47.1	35.39N	25.74E	6	3.5D		**¶97iii4362**
ISC	**III**	**26 13 59 13**±1.7	**34.2N**±.12	**26.25E**±.070	**45**±13	**4.0b**	**36**	**3-81**
NEIC	III	26 13 59 14.0	34.26N	26.27E	50	4.2b		**¶97iii4994**
EIDC	III	26 13 59 21.3	34.3N	26.0E	97	3.7b,4.1L		
MOS	III	26 13 59 27.9	35.5N	26.2E	102	4.2b		
NEIC	Less reliable solution.							
ISC	**III**	**29 14 57 27.7**±.70	**34.99N**±.065	**26.85E**±.067	**61**±9.1	**3.7b**	**34**	**1-80**
ATH	III	29 14 57 26.5	35.63N	27.03E	10			**¶97iii5606**
NEIC	III	29 14 57 27.8	34.98N	26.89E	63	3.9b		
EIDC	III	29 14 57 30.0	35.1N	27.0E	54	3.5b,4.0L		
NEIC	M_D3.9(ATH), M_D3.8(ISK).							
ATH	**III**	**31 20 03 08.3**	**35.20N**	**26.16E**	**11**			**¶97iii5926**
ISC	**IV**	**02 22 18 57**±1.6	**34.82N**±.090	**26.10E**±.056	**28**±9.5	**3.8b,**3.5s	**57**	**1-81**
EIDC	IV	02 22 18 54.3	34.7N	26.2E	0	3.9b,4.0L		**¶97iv0333**
ATH	IV	02 22 18 56.2	34.89N	26.24E	5	4.2L		
NEIC	IV	02 22 18 57.4	34.83N	25.95E	33	3.8b		
THE	IV	02 22 18 58.2	35.1N	26.2E	1			
NEIC	Less reliable solution.							
ATH	**IV**	**03 12 19 12.5**	**35.22N**	**26.14E**	**10**	**3.5D**		**¶97iv0427**
ISC	**IV**	**04 02 08 13**±6.1	**34.9N**±.63	**26.6E**±.25	**32**		**5**	**1-3**
ATH	IV	04 02 08 14.2	35.07N	26.59E	32	3.7D		**¶97iv0526**
ISC	**IV**	**04 13 13 13**±3.2	**35.2N**±.33	**24.3E**±.21	**35**		**4**	**0-2**
ATH	IV	04 13 13 13.0	35.21N	24.34E	35	3.4D		**¶97iv0616**
ISC	Poorly determined							
ATH	**IV**	**06 18 48 13.0**	**34.64N**	**25.44E**	**5**	**3.7D**		**¶97iv1037**
ISC	**IV**	**10 03 49 45**±5.0	**34.2N**±.48	**23.3E**±.32	**33**	**3.8b**	**7**	**11-35**
EIDC	IV	10 03 49 40.5	34.0N	23.1E	0	4.1b,3.8L		**¶97iv1622**
NEIC	IV	10 03 49 45.6	34.27N	23.25E	33			
NEIC	Poor solution.							
ISC	**IV**	**15 10 10 28**±1.6	**35.5N**±.28	**26.0E**±.15	**56**		**4**	**0-3**
ATH	IV	15 10 10 29.0	35.41N	26.07E	56	3.6D		**¶97iv2592**
ISC	Poorly determined							
ISC	**IV**	**19 23 54 19**±3.9	**35.1N**±.49	**24.9E**±.44	**33**	**3.6b**	**9**	**4-77**
EIDC	IV	19 23 54 13.4	34.7N	24.7E	0	3.8b,3.6L		**¶97iv3252**
ISC	**IV**	**22 13 28 25.3**±.60	**35.79N**±.078	**25.80E**±.068	**123**±15		**23**	**1-9**
ATH	IV	22 13 28 28.3	35.96N	25.78E	85	3.8L		**¶97iv3749**
ATH	**IV**	**22 21 00 28.8**	**35.62N**	**24.42E**	**10**	**3.5D**		**¶97iv3827**
ISC	**IV**	**24 04 47 58**±1.5	**35.3N**±.19	**25.20E**±.088	**7**		**5**	**0-3**
ATH	IV	24 04 47 59.2	35.33N	25.18E	7	3.7D		**¶97iv4083**
ISC	**IV**	**25 14 33 37**±1.7	**35.0N**±.13	**24.84E**±.073	**5**±8.8	**3.9b**	**18**	**1-77**
EIDC	IV	25 14 33 37.4	35.0N	24.6E	0	3.9b		**¶97iv4358**
THE	IV	25 14 33 38.7	35.1N	25.0E	2			
ATH	IV	25 14 33 39.3	35.11N	24.99E	5	3.8D		
NEIC	IV	25 14 33 40.7	35.04N	24.66E	33			
NEIC	Poor solution.							
ISC	**IV**	**26 08 52 38**±1.3	**34.95N**±.050	**25.27E**±.048	**25**±9.5	**4.0b,**3.1s	**77**	**0-80**
NEIC	IV	26 08 52 38.7	34.93N	25.40E	33	3.9b		**¶97iv4503**
THE	IV	26 08 52 38.8	35.1N	25.2E	1			
MOS	IV	26 08 52 38.9	34.9N	25.4E	33	4.2b		
ATH	IV	26 08 52 38.9	35.16N	25.10E	5	3.9L		
EIDC	IV	26 08 52 42.1	35.0N	25.3E	47	3.9b,4.2L		
ATH	**IV**	**27 10 33 12.0**	**35.25N**	**24.34E**	**5**			**¶97iv4708**
ISC	**IV**	**28 03 58 25**±1.1	**34.52N**±.042	**24.85E**±.034	**19**±8.3	**4.3b,**3.6s	**145**	**1-118**
NEIC	IV	28 03 58 26.3	34.60N	24.91E	33	4.2b		**¶97iv4845**
MOS	IV	28 03 58 28.8	34.7N	25.2E	33	5.2b		

Agency	Origin Time mo	d	h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
THE	IV	28	03 58 29.1	34.9N	24.9E	1				
BJI	IV	28	03 58 29.3	34.60N	24.90E	33	5.0b			
ATH	IV	28	03 58 30.6	35.05N	24.92E	5	4.1L			
EIDC	IV	28	03 58 36.7	35.2N	24.8E	77	3.9b,3.6s			
ATH	**IV**	**28**	**15 03 06.0**	**35.11N**	**24.96E**	**5**	**3.8D**			**¶97iv4943**
ISC	**IV**	**28**	**15 07 24±4.6**	**34.4N±.36**	**24.9E±.13**	**5**	3.4b		**9**	**1-28**
EIDC	IV	28	15 07 12.5	33.3N	25.5E	0	3.7b,4.4L			**¶97iv4945**
ATH	IV	28	15 07 34.4	35.15N	24.96E	5	3.8D			
ISC	**V**	**01**	**06 05 17±5.5**	**35.1N±.44**	**25.9E±.17**	**10**			**4**	**0-3**
ATH	V	01	06 05 19.9	35.25N	25.93E	10	3.5D			**¶97v0044**
ISC	Poorly determined									
ISC	**V**	**05**	**21 15 20±1.4**	**34.8N±.10**	**23.9E±.11**	**56±13**	**3.7b**		**20**	**1-77**
NEIC	V	05	21 15 17.8	34.79N	23.88E	33				**¶97v0850**
EIDC	V	05	21 15 20.2	34.8N	23.9E	42	3.6b,3.6L			
ATH	V	05	21 15 26.9	35.24N	24.26E	23	3.7D			
NEIC	Less reliable solution.									
ATH	**V**	**07**	**14 28 06.7**	**35.26N**	**25.96E**	**10**				**¶97v1113**
ISC	**V**	**08**	**02 46 43±3.4**	**35.8N±.11**	**25.8E±.16**	**2±32**			**5**	**1-2**
ATH	V	08	02 46 43.8	35.89N	25.86E	5	3.5D			**¶97v1170**
ISC	Poorly determined									
ATH	**V**	**11**	**03 51 16.8**	**34.48N**	**23.73E**	**5**	**3.4D**			**¶97v1718**
ISC	**V**	**16**	**14 58 06±3.8**	**34.9N±.27**	**24.1E±.16**	**5**			**5**	**1-3**
ATH	V	16	14 58 11.8	35.30N	24.44E	5	3.5D			**¶97v2791**
ISC	**V**	**18**	**01 02 35±2.6**	**34.6N±.26**	**26.4E±.12**	**85±13**	**3.5b**		**14**	**1-67**
ATH	V	18	01 02 36.8	34.68N	26.53E	38	3.9D			**¶97v3006**
EIDC	V	18	01 02 42.3	36.3N	27.8E	0	3.7b,4.0L			
ISC	**V**	**18**	**02 42 36±3.4**	**35.1N±.35**	**26.3E±.16**	**76±28**			**7**	**1-10**
ATH	V	18	02 42 37.8	35.22N	26.36E	54	3.8D			**¶97v3018**
ISC	**V**	**19**	**00 26 42±4.8**	**34.7N±.37**	**24.3E±.17**	**5**			**6**	**1-3**
ATH	V	19	00 26 48.9	35.12N	24.55E	5	3.7D			**¶97v3170**
ATH	**V**	**19**	**23 44 39.5**	**35.26N**	**26.27E**	**10**	**3.6D**			**¶97v3324**
ISC	**V**	**23**	**01 31 53.4±.85**	**35.6N±.11**	**25.88E±.079**	**37**			**8**	**0-4**
ATH	V	23	01 31 53.7	35.58N	25.84E	37	3.8D			**¶97v3860**
ATH	**V**	**23**	**23 06 53.1**	**35.83N**	**25.22E**	**10**	**3.4D**			**¶97v4018**
ISC	**V**	**24**	**03 34 46±1.8**	**34.8N±.19**	**24.81E±.083**	**5**	**3.8b**		**16**	**1-78**
NEIC	V	24	03 34 45.0	34.67N	26.22E	33	3.4b			**¶97v4042**
ATH	V	24	03 34 50.3	35.23N	24.89E	5	3.8D			
EIDC	V	24	03 35 26.2	36.6N	24.8E	266	3.2b			
NEIC	Poor solution.									
ATH	**V**	**25**	**12 48 16.1**	**34.03N**	**25.38E**	**6**	**3.6D**			**¶97v4274**
ISC	**V**	**28**	**02 11 47±3.4**	**35.3N±.58**	**24.3E±.28**	**27**			**4**	**0-2**
ATH	V	28	02 11 46.9	35.33N	24.26E	27	3.4D			**¶97v4644**
ISC	Poorly determined									
ISC	**V**	**29**	**02 15 28±3.5**	**35.0N±.35**	**24.7E±.15**	**35**			**6**	**1-3**
ATH	V	29	02 15 30.2	35.08N	24.79E	35	3.7D			**¶97v4801**
ISC	**VI**	**03**	**18 24 21±1.1**	**35.8N±.12**	**26.8E±.10**	**5**			**5**	**0-2**
ATH	VI	03	18 24 22.2	35.79N	26.76E	5	3.6D			**¶97vi0502**
ISC	**VI**	**06**	**19 23 27.9±.92**	**34.23N±.076**	**25.81E±.093**	**5**	**3.5b**		**16**	**1-35**
EIDC	VI	06	19 23 31.0	34.0N	25.8E	0	3.6b,3.5L			**¶97vi0977**
ATH	VI	06	19 23 32.0	34.38N	25.89E	5	4.1D			
NEIC	VI	06	19 23 33.4	33.95N	25.90E	33				
NEIC	Single network solution.									
ISC	**VI**	**10**	**04 45 26±1.4**	**34.6N±.15**	**26.54E±.064**	**5**	**3.8b,**3.3s		**22**	**1-24**
ATH	VI	10	04 45 36.2	35.27N	26.68E	5	3.9D			**¶97vi1478**
ISC	**VI**	**15**	**03 18 24±1.3**	**35.6N±.17**	**26.6E±.13**	**37**			**4**	**0-2**
ATH	VI	15	03 18 24.1	35.65N	26.59E	37	3.4D			**¶97vi2228**
ISC	Poorly determined									
ATH	**VI**	**15**	**12 16 58.2**	**35.92N**	**25.57E**	**10**	**3.6D**			**¶97vi2288**
ISC	**VI**	**19**	**16 47 32±1.2**	**35.6N±.14**	**26.5E±.11**	**36**			**5**	**1-2**
ATH	VI	19	16 47 32.1	35.64N	26.51E	36	3.6D			**¶97vi2941**
ISC	**VI**	**20**	**02 25 23±8.4**	**35.0N±.70**	**26.7E±.23**	**5**			**5**	**1-2**
ATH	VI	20	02 25 22.1	34.81N	26.75E	5	3.6D			**¶97vi2991**
ATH	**VI**	**20**	**23 45 09.0**	**35.31N**	**26.66E**	**10**	**3.5D**			**¶97vi3124**
ATH	**VI**	**20**	**23 48 47.3**	**35.60N**	**26.58E**	**10**	**3.5D**			**¶97vi3125**
ATH	**VI**	**21**	**01 27 07.4**	**35.23N**	**26.64E**	**10**	**3.4D**			**¶97vi3134**
ISC	**VI**	**21**	**03 02 09±1.2**	**35.7N±.14**	**26.5E±.10**	**5**			**4**	**1-2**
ATH	VI	21	03 02 10.2	35.70N	26.50E	5	3.9D			**¶97vi3143**
ISC	Poorly determined									
ATH	**VI**	**21**	**03 24 36.9**	**35.24N**	**26.65E**	**10**	**3.6D**			**¶97vi3146**
ATH	**VI**	**21**	**04 00 46.0**	**35.23N**	**26.65E**	**10**				**¶97vi3154**
ISC	**VI**	**21**	**04 01 10.4±.97**	**34.44N±.037**	**26.79E±.036**	**31±8.2**	**4.1b,3.3s**		**129**	**1-93**
ISK	VI	21	04 01 08.0	34.41N	26.87E	9	4.2D			**¶97vi3155**
MOS	VI	21	04 01 11.8	34.6N	26.7E	33	4.5b,3.3s			
NEIC	VI	21	04 01 11.9	34.66N	26.73E	33	4.2b			
THE	VI	21	04 01 16.2	34.9N	26.8E	8				
EIDC	VI	21	04 01 16.3	34.7N	26.6E	56	3.9b,3.9L			
ATH	VI	21	04 01 18.8	35.04N	26.79E	22	4.2L			
ISC	**VI**	**21**	**06 22 49±6.1**	**35.0N±.53**	**26.8E±.23**	**10**			**4**	**1-3**
ATH	VI	21	06 22 51.2	35.22N	26.75E	10	3.9D			**¶97vi3164**
ISC	Poorly determined									
ISC	**VI**	**21**	**12 01 19±4.6**	**35.0N±.37**	**26.8E±.19**	**12**			**5**	**1-3**
ATH	VI	21	12 01 20.4	35.00N	26.85E	12	3.9D			**¶97vi3213**
ISC	**VI**	**21**	**13 48 08±6.9**	**35.0N±.46**	**26.8E±.23**	**8±27**			**5**	**1-3**
ATH	VI	21	13 48 10.7	35.11N	26.79E	12	3.8D			**¶97vi3228**
ISC	Poorly determined									
ATH	**VI**	**21**	**23 09 24.1**	**35.87N**	**25.08E**	**10**	**3.8D**			**¶97vi3285**
ISC	**VI**	**22**	**00 34 01±1.1**	**34.45N±.094**	**26.9E±.11**	**12**	**3.4b**		**11**	**1-28**
EIDC	VI	22	00 33 49.2	33.5N	28.2E	0	3.5b,3.6L			**¶97vi3298**
ATH	VI	22	00 34 10.8	35.03N	26.78E	12	4.0D			
ISC	**VI**	**22**	**10 17 14±3.8**	**34.8N±.34**	**26.9E±.14**	**22**			**7**	**1-3**
ATH	VI	22	10 17 17.8	35.08N	26.81E	22	3.9D			**¶97vi3368**
ISC	**VI**	**23**	**14 58 02±6.5**	**34.9N±.47**	**26.9E±.25**	**12**			**4**	**1-2**
ATH	VI	23	14 58 04.4	35.01N	26.84E	12	3.7D			**¶97vi3542**
ISC	Poorly determined									
ATH	**VI**	**23**	**16 20 22.3**	**35.31N**	**25.41E**	**22**	**3.9D**			**¶97vi3558**
ISC	**VI**	**23**	**20 28 48±6.2**	**35.0N±.49**	**26.8E±.24**	**13**			**4**	**1-2**
ATH	VI	23	20 28 50.9	35.15N	26.74E	13	4.0D			**¶97vi3587**
ISC	Poorly determined									
ISC	**VI**	**23**	**21 56 16±2.6**	**34.47N±.077**	**26.80E±.094**	**3±16**	**3.6b**		**18**	**1-45**
EIDC	VI	23	21 56 25.3	34.6N	26.7E	64	3.3b,3.6L			**¶97vi3596**
ATH	VI	23	21 56 26.4	35.01N	26.84E	12	4.1D			
ISC	**VI**	**23**	**22 02 28±6.8**	**35.0N±.58**	**26.8E±.26**	**5**			**4**	**1-2**
ATH	VI	23	22 02 32.1	35.29N	26.66E	5	3.9D			**¶97vi3597**
ISC	Poorly determined									
ISC	**VI**	**23**	**22 24 40±4.7**	**35.1N±.45**	**26.7E±.19**	**5**			**4**	**1-2**
ATH	VI	23	22 24 42.7	35.30N	26.65E	5	3.7D			**¶97vi3600**
ISC	Poorly determined									
ISC	**VI**	**24**	**05 47 47±1.4**	**35.9N±.11**	**26.9E±.14**	**10**			**5**	**0-3**
ATH	VI	24	05 47 48.1	35.94N	26.92E	10	4.1D			**¶97vi3651**
ISC	**VI**	**24**	**07 19 47±3.3**	**34.7N±.31**	**26.9E±.14**	**24**			**7**	**1-3**
ATH	VI	24	07 19 50.1	34.91N	26.80E	24	4.1D			**¶97vi3668**
ATH	**VI**	**24**	**10 20 15.7**	**35.23N**	**26.68E**	**15**	**3.6D**			**¶97vi3696**
ISC	**VI**	**24**	**10 40 39±8.6**	**34.3N±.58**	**23.3E±.46**	**37**			**6**	**1-4**
ATH	VI	24	10 40 43.6	34.61N	23.45E	37	3.9D			**¶97vi3698**
ATH	**VI**	**24**	**15 35 10.1**	**35.29N**	**26.63E**	**10**	**3.7D**			**¶97vi3740**
ATH	**VI**	**24**	**16 49 02.2**	**34.86N**	**26.86E**	**5**	**3.7D**			**¶97vi3753**
ATH	**VI**	**24**	**19 02 34.5**	**35.20N**	**25.02E**	**10**	**3.6D**			**¶97vi3768**
ATH	**VI**	**25**	**14 51 44.7**	**35.79N**	**26.45E**	**10**	**3.9D**			**¶97vi3965**
ISC	**VI**	**25**	**15 10 03±1.4**	**34.71N±.097**	**26.8E±.11**	**49±14**	**3.7b**		**18**	**1-81**
EIDC	VI	25	15 10 01.1	34.7N	26.1E	0	3.8b,4.0L			**¶97vi3970**
NEIC	VI	25	15 10 03.3	34.64N	26.20E	33				
ATH	VI	25	15 10 07.2	35.12N	26.71E	37	4.0D			
NEIC	Less reliable solution.									
ATH	**VI**	**26**	**01 42 18.1**	**35.22N**	**26.62E**	**4**	**3.7D**			**¶97vi4067**
ATH	**VI**	**26**	**16 20 45.2**	**34.73N**	**26.99E**	**5**	**3.7D**			**¶97vi4170**
ISC	**VI**	**27**	**23 55 11±1.0**	**35.4N±.11**	**25.59E±.091**	**5**			**5**	**0-3**
ATH	VI	27	23 55 12.6	35.35N	25.57E	5	4.0D			**¶97vi4383**
ISC	**VI**	**28**	**01 28 59±1.3**	**34.81N±.053**	**25.46E±.053**	**20±10**	**3.9b,**2.9s		**61**	**0-81**
MOS	VI	28	01 28 58.3	34.6N	25.3E	33	4.3b			**¶97vi4393**
NEIC	VI	28	01 29 00.1	34.89N	25.56E	33	4.1b			
THE	VI	28	01 29 04.3	35.2N	25.6E	10				
ATH	VI	28	01 29 04.6	35.35N	25.58E	8	3.8L			
EIDC	VI	28	01 29 07.1	35.1N	25.1E	62	3.7b			

(371) Eastern Mediterranean Sea.

Agency	Origin Time mo	d	h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**I**	**05**	**03 32 10±2.1**	**32.8N±.25**	**26.6E±.22**	**10**	**3.8b**		**13**	**7-37**
NEIC	I	05	03 32 10.2	32.79N	26.58E	10				**¶97i0609**
EIDC	I	05	03 32 57.7	38.6N	28.4E	0	3.6b			
NEIC	Less reliable solution.									
ISC	**I**	**05**	**05 30 05±1.3**	**34.99N±.084**	**28.06E±.082**	**23±12**	**3.9b**		**29**	**1-78**
NEIC	I	05	05 30 02.2	35.11N	28.10E	10	3.8b			**¶97i0622**
EIDC	I	05	05 30 03.2	35.1N	28.2E	0	3.9b,3.3L			
ATH	I	05	05 30 14.9	35.51N	27.39E	5	3.7D			
ISC	**I**	**05**	**14 30 39±2.7**	**33.6N±.11**	**34.9E±.20**	**11±13**			**17**	**1-3**
IPRG	I	05	14 30 39.6±.47	33.6N	34.9E	9±2.4	2.4L			**¶97i0681**
ISC	**I**	**10**	**02 45 12±3.1**	**33.7N±.25**	**25.7E±.15**	**71±20**	**3.5b**		**11**	**2-102**
EIDC	I	10	02 44 59.5	33.1N	26.0E	0	3.9b,3.8L			**¶97i1301**
ATH	I	10	02 45 16.9	34.26N	25.59E	10	3.8D			
ISC	**I**	**11**	**02 06 26.3±.43**	**33.96N±.038**	**26.58E±.033**	**39±4.8**	**4.3b**		**168**	**2-94**
RYD	I	11	02 06 25.6	34.3N	26.3E	38	4.1D			**¶97i1450**
MOS	I	11	02 06 25.7	33.9N	26.5E	33	5.0b			
NEIC	I	11	02 06 26.5	34.20N	26.76E	33	4.3b			
THE	I	11	02 06 27.1	34.0N	26.5E	14	4.4L			
EIDC	I	11	02 06 29.1	34.2N	26.6E	36	4.1b,4.5L			
ATH	I	11	02 06 30.6	34.17N	26.70E	25	4.4L			
NEIC	$M_{L4.6}$(JER), $M_{D4.1}$(HLW).									
ISC	**I**	**12**	**10 48 31.4±.32**	**36.00N±.035**	**28.79E±.041**	**73±5.6**	**3.9b**		**92**	**1-78**
NEIC	I	12	10 48 30.3	35.94N	28.70E	61	4.1b			**¶97i1666**
EIDC	I	12	10 48 32.6	36.1N	28.8E	41	3.5b,4.7L			
RYD	I	12	10 48 33.5	34.67N	27.23E	30	3.7D			
THE	I	12	10 48 35.0	36.2N	28.6E	74				
ISC	**I**	**24**	**19 57 02±5.0**	**33.8N±.34**	**34.5E±.19**	**2**			**8**	**1-3**
IPRG	I	24	19 57 02.9±.62	33.8N	34.5E	2	2.1L			**¶97i3682**
IPRG	**I**	**30**	**12 25 33.5**	**33.9N**	**32.3E**	**0**				**¶97i4484**
ISC	**I**	**31**	**05 34 53±1.8**	**34.6N±.14**	**27.8E±.13**	**3**	**4.4b**		**22**	**1-27**
ATH	I	31	05 35 04.5	35.24N	27.58E	3	4.0D			**¶97i4592**
ISC	**II**	**13**	**23 12 18.9±.73**	**35.8N±.11**	**28.51E±.080**	**7**			**11**	**1-8**
ATH	II	13	23 12 20.1	35.84N	28.50E	7	3.4D			**¶97ii1994**
ISC	**II**	**24**	**02 17 53±3.8**	**33.5N±.38**	**26.3E±.24**	**10**	**3.8b**		**7**	**9-36**
NEIC	II	24	02 17 52.4	33.47N	26.30E	10				**¶97ii3406**
EIDC	II	24	02 17 56.5	33.8N	25.9E	0	3.9b			
NEIC	Poor solution.									
ISC	**IV**	**01**	**22 04 36±1.1**	**34.31N±.065**	**28.61E±.062**	**22±10**	**3.8b**		**44**	**2-35**
NEIC	IV	01	22 04 36.8	34.23N	28.61E	33	3.8b			**¶97iv0147**
ATH	IV	01	22 04 53.9	35.49N	27.55E	5	3.8D			
EIDC	IV	01	22 05 35.6	36.5N	26.6E	448	3.1b			
ISC	**IV**	**26**	**08 44 17±8.8**	**34.7N±.38**	**29.5E±.80**	**7**			**6**	**5-19**
ISK	IV	26	08 45 41.1	38.89N	29.03E	7	2.6D			**¶97iv4502**
ISC	**VI**	**15**	**17 56 33±3.5**	**35.9N±.18**	**29.2E±.16**	**14±18**	3.4b		**10**	**1-26**
ISK	VI	15	17 56 24.1	35.11N	29.24E	10	3.6D			**¶97vi2339**
ATH	VI	15	17 56 48.1	36.09N	27.96E	10	3.8D			
EIDC	VI	15	17 57 28.1	37.4N	22.3E	0	3.5b,3.4L			
ISC	**VI**	**26**	**03 04 42.6±.92**	**34.67N±.094**	**27.14E±.078**	**66±12**	**3.6b**		**16**	**1-41**
NEIC	VI	26	03 04 39.7	34.71N	27.15E	33	4.0b			**¶97vi4076**
EIDC	VI	26	03 04 42.9	34.8N	27.2E	48	3.8L,3.5b			
ATH	VI	26	03 04 47.1	34.96N	26.76E	2	4.1D			
NEIC	Less reliable solution.									
ISC	**VI**	**28**	**08 04 23.8±.98**	**34.53N±.088**	**27.1E±.11**	**75±14**	**3.4b**		**20**	**1-48**
NEIC	VI	28	08 04 16.2	34.10N	26.22E	33				**¶97vi4448**
EIDC	VI	28	08 04 24.6	35.3N	26.3E	0	3.6b,3.5L			
NEIC	Less reliable solution.									

(372) Cyprus.

Agency	Origin Time mo	d	h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**I**	**03**	**00 00 41.9±.24**	**34.35N±.023**	**32.11E±.029**	**43±3.8**	**4.4b,**3.6s		**187**	**1-84**
RYD	I	03	00 00 30.0	34.61N	30.33E	30	4.1D			**¶97i0288**
MOS	I	03	00 00 38.2	34.3N	32.0E	10	4.7b			
BJI	I	03	00 00 38.2	34.50N	32.20E	10				
NEIC	I	03	00 00 38.2	34.48N	32.16E	10	4.5b,3.6s			
ISK	I	03	00 00 38.6	34.06N	32.10E	10	4.2D			
IPRG	I	03	00 00 43.2±.31	34.3N	32.3E	9±4.1	4.4L,4.5b			
EIDC	I	03	00 00 43.4	34.4N	32.2E	40	4.3b,5.1L			
ISC	Felt I=III MM at Limassol and Pafos (After PPCY)									
NEIC	$M_{L4.4}$(JER), $M_{D4.1}$(HLW).									
ISC	**I**	**03**	**00 17 07.3±.54**	**34.39N±.053**	**32.10E±.084**	**8**			**34**	**1-5**
ISK	I	03	00 17 06.9	34.42N	32.17E	8	3.4D			**¶97i0290**
IPRG	I	03	00 17 12.7±.33	34.3N	32.2E	25	2.9L			
ISC	**I**	**04**	**10 06 46±3.2**	**34.5N±.12**	**32.4E±.31**	**25**			**15**	**1-5**
IPRG	I	04	10 06 46.8±.50	34.6N	32.3E	25	2.5L			**¶97i0520**
ISC	**I**	**05**	**14 05 51±1.1**	**34.72N±.048**	**32.08E±.074**	**30±9.3**	**3.7b**		**45**	**0-79**
EIDC	I	05	14 05 48.0	34.8N	32.2E	0	3.8b,4.4L			**¶97i0679**
NEIC	I	05	14 05 50.9	34.79N	32.15E	33				
ISK	I	05	14 05 53.3	34.90N	32.28E	10	3.7D			
IPRG	I	05	14 05 53.7±.41	34.7N	32.1E	25	3.4L			
NEIC	Less reliable solution.									
ISC	**I**	**05**	**18 02 25±4.4**	**34.4N±.14**	**32.1E±.46**	**25**			**7**	**1-5**
IPRG	I	05	18 02 27.4±.73	34.4N	32.1E	25±4.2	2.5L			**¶97i0695**

ISC	**I**	**08 15 26 28**±6.5	**34.4N**±.18	**32.1E**±.72	**24**		**4**	**1-4**	
IPRG	I	08 15 26 29.1±.52	34.4N	32.1E	24	2.3L			**¶97i1080**
ISC	Poorly determined								
ISC	**I**	**08 16 37 59**±2.5	**34.4N**±.11	**32.3E**±.28	**2**±37		**15**	**0-5**	
IPRG	I	08 16 38 03.7±4.10	34.5N	32.4E	21	2.5L			**¶97i1086**
ISC	**I**	**08 16 59 34**±2.6	**34.4N**±.12	**32.0E**±.35	**26**±28		**15**	**1-5**	
IPRG	I	08 16 59 38.3±.55	34.3N	32.2E	25	2.9L			**¶97i1088**
ISC	**I**	**08 21 27 44**±2.1	**34.4N**±.11	**32.2E**±.26	**6**±30		**24**	**0-5**	
IPRG	I	08 21 27 46.5±.36	34.5N	32.2E	25	2.9L			**¶97i1118**
ISC	**I**	**10 15 27 10**±1.6	**34.40N**±.053	**32.07E**±.073	**25**±18		**27**	**1-6**	
IPRG	I	10 15 27 14.9±.40	34.3N	32.3E	25	2.9L			**¶97i1387**
ISK	**I**	**10 20 14 13.9**	**35.83N**	**31.23E**	**9**	**3.6D**			**¶97i1417**
ISC	**I**	**10 21 45 14.7**±.30	**34.40N**±.030	**32.15E**±.040	**45**±5.5	**3.9b**	**95**	**1-80**	
RYD	I	10 21 45 00.4	35.1N	30.7E	30	3.9D			**¶97i1431**
EIDC	I	10 21 45 12.0	34.6N	32.3E	0	4.0b,4.9L			
NEIC	I	10 21 45 13.7	34.53N	32.24E	33	4.1b			
IPRG	I	10 21 45 17.5±.37	34.3N	32.2E	25	4.2L,4.3b			
NEIC	M_L4.2(JER).								
ISC	**I**	**11 06 54 11**±3.9	**34.4N**±.13	**32.1E**±.41	**25**		**15**	**1-5**	
IPRG	I	11 06 54 13.3±.60	34.4N	32.2E	25	2.7L			**¶97i1483**
ISC	**I**	**11 15 29 50**±2.9	**34.3N**±.11	**32.4E**±.29	**25**		**16**	**1-5**	
IPRG	I	11 15 29 50.7±.51	34.5N	32.3E	25	2.4L			**¶97i1539**
ISC	**I**	**12 11 07 43.5**±.41	**34.27N**±.040	**32.38E**±.060	**25**		**37**	**1-20**	
IPRG	I	12 11 07 45.9±.38	34.3N	32.4E	25	3.9L,4.1b			**¶97i1668**
IPRG	**I**	**12 11 36 46.5**±.53	**34.4N**	**32.2E**	**25**	3.2L			**¶97i1673**
ISC	**I**	**12 12 42 37**±3.1	**34.3N**±.11	**32.4E**±.34	**25**		**9**	**1-5**	
IPRG	I	12 12 42 38.1±.68	34.3N	32.4E	25	2.7L			**¶97i1679**
ISC	**I**	**13 00 56 46**±1.5	**34.26N**±.070	**32.4E**±.21	**27**±29		**35**	**1-6**	
IPRG	I	13 00 56 46.6±.33	34.4N	32.4E	25	3.0L			**¶97i1760**
ISC	**I**	**13 01 35 48**±3.1	**34.3N**±.11	**32.3E**±.32	**25**		**13**	**1-5**	
IPRG	I	13 01 35 49.2±2.01	34.4N	32.2E	25±9.9	2.4L			**¶97i1763**
ISC	**I**	**13 10 19 24.5**±.48	**34.29N**±.017	**32.31E**±.018	**19**±4.1	**5.2b,5.3s**	**510**	**1-151**	
BJI	I	13 10 19 24.4	34.40N	32.14E	33	5.2b,5.6s			**¶97i1822**
IPRG	I	13 10 19 25.4±.65	34.3N	32.5E	10±5.2	5.9L,5.6b			
THE	I	13 10 19 25.6	34.3N	32.4E	17	5.2L			
MOS	I	13 10 19 26.0	34.3N	32.3E	33	5.8b,5.1s			
NEIC	I	13 10 19 26.1	34.31N	32.33E	33	5.3b,5.4s			
EIDC	I	13 10 19 28.1	34.3N	32.3E	37	4.9b,5.2s			
HRVD	I	13 10 19 28.3±.3	34.09N±.03	31.74E±.03	33				
ISC	Felt I=VI MM at Limassol, I=V at Pafos,								
NEIC	M_L5.9(CSS), Mw5.7(GS)								
NEIC	Mw 5.7 (HRV). Felt in Israel and Lebanon. Also felt at Cairo, Egypt.								
NEIC	Moment tensor solution: s17, scale 10^{17}Nm; M_{rr}0.09; $M_{\theta\theta}$2.36; $M_{\phi\phi}$−2.45; $M_{r\theta}$1.27; $M_{r\phi}$0.78; $M_{\theta\phi}$2.81. Depth 15km; Principal axes: T 4.19,Plg20°,Azm335°; N −0.43,Plg70°,Azm164°; P −3.76,Plg3°,Azm66°. Best double couple: $M_0$4.0×10^{17}Nm; NP1:ϕ_S112°,δ74°,λ12°. NP2: ϕ_S19°,δ78°,λ164°.								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c59; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}0.13±.08; $M_{\theta\theta}$1.01±.11; $M_{\phi\phi}$−1.14±.09; $M_{r\theta}$−0.73±.18; $M_{r\phi}$1.17±.18; $M_{\theta\phi}$3.60±.10. Principal Axes: T 3.70,Plg2°,Azm323°; N 0.56, Plg73°,Azm227°; P −4.25,Plg17°,Azm54°. Best double couple: $M_0$4.0×10^{17}Nm, NP1:ϕ_S97°, δ76°,λ−11°. NP2:ϕ_S190°,δ79°,λ−166°.								
ISC	**I**	**13 10 45 44**±1.4	**34.32N**±.053	**32.4E**±.16	**25**		**17**	**1-5**	
IPRG	I	13 10 45 47.2±.54	34.3N	32.5E	25	3.3L			**¶97i1824**
ISC	**I**	**13 10 48 58**±1.6	**34.21N**±.068	**32.5E**±.18	**5**		**10**	**1-4**	
IPRG	I	13 10 49 01.5±.85	34.1N	32.6E	5	2.7L			**¶97i1825**
ISC	**I**	**13 11 31 01**±3.6	**34.3N**±.12	**32.3E**±.38	**25**		**8**	**1-5**	
IPRG	I	13 11 31 05.5±.66	34.2N	32.5E	25	2.6L			**¶97i1831**
ISC	**I**	**13 14 08 41**±1.5	**34.30N**±.054	**32.35E**±.092	**25**±21		**27**	**1-6**	
IPRG	I	13 14 08 43.2±.45	34.3N	32.4E	25	2.9L			**¶97i1851**
ISC	**I**	**13 15 48 16**±1.4	**34.27N**±.048	**32.3E**±.16	**25**		**28**	**1-5**	
IPRG	I	13 15 48 17.9±.55	34.3N	32.3E	25	2.8L			**¶97i1863**
ISC	**I**	**13 16 58 59**±6.1	**34.26N**±.040	**32.42E**±.061	**8**±49		**45**	**1-6**	
IPRG	I	13 16 59 02.1±.35	34.3N	32.4E	25	3.6L,4.0b			**¶97i1875**
ISC	**I**	**13 18 15 58.5**±.30	**34.27N**±.029	**32.35E**±.036	**38**±4.4	**4.2b**,4.1s	**124**	**1-81**	
RYD	I	13 18 15 53.3	34.85N	32.31E	38	4.2D			**¶97i1882**
NEIC	I	13 18 15 57.6	34.33N	32.40E	33	4.1b			
MOS	I	13 18 15 57.9	34.4N	32.5E	33	4.4b			
IPRG	I	13 18 15 58.6±.44	34.3N	32.5E	9±3.4	4.3L,4.4b			
EIDC	I	13 18 16 01.3	34.0N	32.1E	64	3.9b			
ISC	Felt I=III MM at Limassol and Pafos (After PPCY)								
NEIC	M_L4.3(JER).								
IPRG	**I**	**13 18 47 07.4**±.92	**34.4N**	**32.5E**	**25**	2.1L			**¶97i1885**
ISC	**I**	**13 22 48 19.5**±.46	**34.26N**±.039	**32.41E**±.065	**23**		**37**	**1-20**	
IPRG	I	13 22 48 20.9±.55	34.2N	32.4E	23	3.4L			**¶97i1903**
IPRG	**I**	**13 23 09 20.4**±.59	**34.5N**	**32.4E**	**25**	**2.1L**			**¶97i1910**
ISC	**I**	**13 23 31 50**±2.2	**34.26N**±.044	**32.37E**±.066	**13**±18		**35**	**1-6**	
IPRG	I	13 23 31 51.4±.57	34.4N	32.5E	18	3.1L			**¶97i1912**
ISC	**I**	**14 02 17 29**±2.9	**34.3N**±.10	**32.4E**±.29	**25**		**17**	**1-6**	
IPRG	I	14 02 17 30.5±.72	34.4N	32.4E	25	2.3L			**¶97i1939**
ISC	**I**	**14 02 26 57**±6.0	**34.31N**±.049	**32.44E**±.075	**14**±48		**36**	**1-20**	
IPRG	I	14 02 27 00.2±.41	34.3N	32.5E	25	3.3L			**¶97i1943**
ISC	**I**	**14 03 30 36.2**±.34	**34.30N**±.032	**32.40E**±.049	**47**±6.9	**3.9b**	**77**	**1-80**	
RYD	I	14 03 30 28.8	34.79N	31.67E	37	3.9D			**¶97i1947**
NEIC	I	14 03 30 34.2	34.32N	32.52E	33	4.0b			
EIDC	I	14 03 30 34.7	34.4N	32.4E	12	3.8b			
IPRG	I	14 03 30 37.3±.38	34.3N	32.4E	25	3.9L,4.2b			
ISC	Felt I=III MM at Limassol and Pafos (After PPCY)								
NEIC	M_D3.9(HLW), Less reliable solution.								
ISC	**I**	**14 03 40 50.9**±.42	**34.31N**±.034	**32.41E**±.061	**54**±8.9	**3.7b**	**50**	**1-80**	
EIDC	I	14 03 40 46.9	34.4N	32.5E	0	3.8b,4.3L			**¶97i1948**
NEIC	I	14 03 40 49.9	34.47N	32.35E	33				
IPRG	I	14 03 40 52.7±.41	34.3N	32.4E	25	3.8L,4.1b			
NEIC	M_D3.8(HLW), Less reliable solution.								
ISC	**I**	**14 06 07 06.6**±.69	**34.36N**±.071	**32.37E**±.099	**25**		**24**	**3-6**	
IPRG	I	14 06 07 08.5±2.49	34.4N	32.4E	25	3.3L			**¶97i1961**
ISC	**I**	**14 13 54 18**±1.4	**34.34N**±.053	**32.3E**±.17	**25**		**17**	**1-5**	
IPRG	I	14 13 54 21.2±.66	34.3N	32.4E	25	2.9L			**¶97i2001**
IPRG	**I**	**14 16 19 32.8**±.74	**34.3N**	**32.3E**	**25**	**2.4L**			**¶97i2021**
ISC	**I**	**14 18 00 13.9**±.51	**34.29N**±.045	**32.42E**±.079	**41**±17		**45**	**1-22**	
IPRG	I	14 18 00 14.0±.39	34.4N	32.4E	25	3.4L			**¶97i2030**
ISC	**I**	**15 05 00 53.2**±.53	**34.28N**±.037	**32.35E**±.066	**38**±8.2	**3.9b**	**68**	**1-80**	
RYD	I	15 05 00 46.0	34.78N	31.8E	35	3.9D			**¶97i2097**
NEIC	I	15 05 00 52.7	34.38N	32.45E	33	3.8b			
IPRG	I	15 05 00 54.0±.35	34.4N	32.4E	25	4.2L,4.3b			
EIDC	I	15 05 00 54.4	34.4N	32.5E	30	3.8b			
ISC	Felt I=III MM at Limassol and Pafos(After PPCY)								
NEIC	M_L4.2(JER).								
ISC	**I**	**15 05 23 04**±1.3	**34.28N**±.049	**32.3E**±.15	**25**		**27**	**1-5**	
IPRG	I	15 05 23 06.5±.42	34.3N	32.4E	25	2.9L			**¶97i2101**
IPRG	**I**	**15 07 32 48.1**±1.01	**34.4N**	**32.4E**	**5**	2.2L			**¶97i2115**
ISC	**I**	**15 10 41 10**±2.8	**34.3N**±.10	**32.4E**±.29	**25**		**15**	**1-5**	
IPRG	I	15 10 41 12.0±.48	34.4N	32.4E	25	2.8L			**¶97i2139**
ISC	**I**	**15 11 06 40.8**±.40	**34.26N**±.034	**32.34E**±.058	**11**		**47**	**1-20**	
ISK	I	15 11 06 37.6	34.04N	32.35E	11	4.0D			**¶97i2143**
RYD	I	15 11 06 37.8	34.77N	32.12E	38	3.8D			
NEIC	I	15 11 06 41.6	34.31N	32.27E	33				
IPRG	I	15 11 06 43.8±.32	34.3N	32.3E	25	4.0L,4.2b			
NEIC	M_L4.0(JER).								
IPRG	**I**	**15 16 58 15.5**±.79	**34.3N**	**32.3E**	**25**	**2.2L**			**¶97i2181**
ISC	**I**	**15 21 05 14**±2.8	**34.3N**±.11	**32.3E**±.27	**25**		**18**	**1-5**	
IPRG	I	15 21 05 17.0±.36	34.3N	32.4E	25	2.5L			**¶97i2210**
ISC	**I**	**16 06 02 21**±5.0	**34.5N**±.14	**31.9E**±.60	**25**		**8**	**1-5**	
IPRG	I	16 06 02 26.0±.61	34.4N	32.3E	25	3.1L			**¶97i2260**
ISC	**I**	**16 14 43 13.3**±.94	**34.38N**±.061	**32.1E**±.11	**25**		**17**	**1-5**	
IPRG	I	16 14 43 15.7±.45	34.4N	32.1E	25	2.9L			**¶97i2324**
ISC	**I**	**17 00 23 34**±2.0	**34.37N**±.055	**32.14E**±.083	**8**±17		**27**	**1-5**	
ISK	I	17 00 23 28.6	33.96N	32.15E	11	3.5D			**¶97i2381**
IPRG	I	17 00 23 37.4±.40	34.2N	32.4E	0±1.7	3.1L			
ISC	**I**	**17 16 52 05.3**±.59	**34.28N**±.062	**32.41E**±.093	**46**±40		**30**	**1-6**	
ISK	I	17 16 52 01.8	34.20N	32.36E	9	3.8D			**¶97i2497**
IPRG	I	17 16 52 06.3±.41	34.4N	32.4E	25	3.3L			
ISC	**I**	**17 21 48 01**±3.6	**34.3N**±.12	**32.2E**±.35	**25**		**13**	**1-5**	
IPRG	I	17 21 48 04.6±.49	34.3N	32.3E	25	2.2L			**¶97i2540**
ISC	**I**	**18 04 11 12.9**±.32	**34.28N**±.028	**32.40E**±.042	**41**±6.2	**3.9b**	**98**	**1-80**	
RYD	I	18 04 11 05.3	33.85N	30.2E	20	3.9D			**¶97i2598**
ISK	I	18 04 11 10.2	34.06N	32.39E	10	4.3D			
NEIC	I	18 04 11 12.2	34.31N	32.39E	33	4.1b			
IPRG	I	18 04 11 13.2±.31	34.4N	32.4E	25	4.3L,4.4b			
EIDC	I	18 04 11 15.8	34.2N	32.3E	50	3.6b			
ISC	Felt I=III MM at Limassol and Pafos(After CSS)								
NEIC	M_L4.3(JER).								
ISC	**I**	**18 16 21 29**±2.5	**34.28N**±.097	**32.4E**±.25	**25**		**19**	**1-5**	
IPRG	I	18 16 21 28.4±.38	34.4N	32.3E	25	2.5L			**¶97i2685**
ISC	**I**	**19 21 23 54**±1.9	**34.24N**±.043	**32.40E**±.076	**5**±17		**41**	**1-6**	
RYD	I	19 21 23 48.2	34.96N	31.9E	38	3.5D			**¶97i2893**
ISK	I	19 21 23 48.6	33.78N	32.35E	33	4.1D			
IPRG	I	19 21 23 56.4±.32	34.3N	32.4E	18	3.5L			
ISC	**I**	**20 00 40 24**±2.3	**34.22N**±.093	**32.5E**±.24	**25**		**17**	**1-5**	
IPRG	I	20 00 40 23.5±.49	34.4N	32.4E	25	2.8L			**¶97i2912**
ISC	**I**	**20 02 12 57**±2.9	**34.3N**±.10	**32.5E**±.32	**25**		**13**	**1-5**	
IPRG	I	20 02 12 58.2±.64	34.4N	32.4E	25	2.2L			**¶97i2927**
ISC	**I**	**20 14 31 05**±2.1	**34.40N**±.065	**32.1E**±.11	**11**±18		**23**	**1-5**	
IPRG	I	20 14 31 08.2±.50	34.5N	32.2E	25	2.6L			**¶97i3016**
ISC	**I**	**20 21 48 03**±4.2	**34.4N**±.14	**32.0E**±.41	**25**		**13**	**2-5**	
IPRG	I	20 21 48 06.5±.49	34.4N	32.1E	25	2.3L			**¶97i3090**
ISC	**I**	**20 22 28 00**±1.2	**34.24N**±.046	**32.3E**±.14	**25**		**32**	**1-5**	
IPRG	I	20 22 28 01.8±.43	34.3N	32.4E	25	3.0L			**¶97i3096**
IPRG	**I**	**21 16 53 39.2**±7.76	**34.4N**	**32.5E**	**25**	**2.4L**			**¶97i3205**
ISC	**I**	**22 04 02 27**±1.5	**34.36N**±.067	**32.3E**±.10	**23**±19		**19**	**1-5**	
IPRG	I	22 04 02 30.2±3.31	34.4N	32.5E	25	3.0L			**¶97i3278**
ISC	**I**	**25 23 06 26**±1.5	**34.47N**±.076	**33.2E**±.21	**25**		**16**	**1-5**	
IPRG	I	25 23 06 28.4±.45	34.5N	33.2E	25	2.4L			**¶97i3854**
ISC	**I**	**26 05 46 22**±2.5	**34.7N**±.11	**32.8E**±.26	**25**		**15**	**1-5**	
IPRG	I	26 05 46 27.1±.41	34.5N	33.0E	25	2.4L			**¶97i3891**
ISC	**I**	**26 15 28 48.2**±.44	**34.43N**±.036	**32.27E**±.066	**46**±8.3	**3.7b**	**65**	**0-80**	
ISK	I	26 15 28 41.7	34.00N	32.24E	13	3.8D			**¶97i3958**
NEIC	I	26 15 28 47.4	34.58N	32.28E	33	3.9b			
EIDC	I	26 15 28 48.3	34.5N	32.3E	24	3.5b,4.2L			
IPRG	I	26 15 28 49.9±.36	34.4N	32.3E	25	3.7L,4.0b			
NEIC	Poor solution.								
ISC	**I**	**27 17 56 29**±2.6	**34.48N**±.076	**32.1E**±.28	**25**		**12**	**0-5**	
IPRG	I	27 17 56 30.4±.74	34.6N	32.1E	25±3.8	2.9L			**¶97i4111**
IPRG	**I**	**28 00 25 14.9**±.34	**34.4N**	**32.4E**	**25**	**2.9L**			**¶97i4148**
IPRG	**I**	**29 11 49 33.5**±.88	**34.2N**	**32.5E**	**25**	**2.4L**			**¶97i4344**
ISC	**I**	**30 10 43 16**±1.9	**34.43N**±.072	**33.3E**±.29	**3**		**8**	**1-4**	
IPRG	I	30 10 43 18.4±.93	34.3N	33.4E	3	2.4L			**¶97i4473**
ISC	**II**	**01 13 41 12**±3.4	**34.3N**±.12	**32.1E**±.33	**25**		**16**	**1-5**	
IPRG	II	01 13 41 13.5±.40	34.4N	32.1E	25	2.5L			**¶97ii0077**
ISC	**II**	**07 16 44 13**±3.3	**34.4N**±.12	**32.2E**±.31	**25**		**17**	**1-5**	
IPRG	II	07 16 44 13.7±.59	34.5N	32.1E	25	2.4L			**¶97ii1012**
ISC	**II**	**07 20 36 52**±2.6	**34.14N**±.097	**32.4E**±.27	**25**		**15**	**1-4**	
IPRG	II	07 20 36 50.3±.48	34.4N	32.1E	25	2.3L			**¶97ii1035**
ISC	**II**	**08 02 17 23.5**±.84	**34.32N**±.048	**32.0E**±.10	**25**		**29**	**1-6**	
IPRG	II	08 02 17 26.0±.29	34.3N	32.1E	25	2.9L			**¶97ii1077**
ISC	**II**	**08 02 21 10**±1.0	**34.30N**±.091	**32.1E**±.13	**0**		**10**	**1-6**	
IPRG	II	08 02 21 15.1±.79	34.1N	32.5E	0	2.7L			**¶97ii1078**
IPRG	**II**	**08 05 56 11.4**±.58	**34.8N**	**32.9E**	**25**	**2.1L**			**¶97ii1102**
IPRG	**II**	**08 10 13 25.5**±.43	**34.4N**	**32.0E**	**25**±3.6	**2.8L**			**¶97ii1126**
IPRG	**II**	**10 18 24 15.5**±.44	**34.4N**	**32.3E**	**25**	**2.2L**			**¶97ii1496**
ISC	**II**	**10 20 14 14**±1.5	**35.7N**±.19	**31.2E**±.16	**9**		**7**	**1-5**	
ISK	II	10 20 14 13.9	35.83N	31.23E	9	3.6D			**¶97ii1511**
ISC	**II**	**15 17 57 21**±1.6	**34.38N**±.061	**32.2E**±.18	**25**		**24**	**1-5**	
IPRG	II	15 17 57 24.2±.33	34.3N	32.3E	25	2.7L			**¶97ii2273**
ISC	**II**	**18 11 39 51.0**±.58	**34.48N**±.043	**32.16E**±.082	**54**±11	3.9b	**39**	**0-35**	
NEIC	II	18 11 39 42.2	33.70N	32.24E	33				**¶97ii2637**
EIDC	II	18 11 39 44.6	34.3N	32.4E	0	3.8b			
IPRG	II	18 11 39 54.4±.35	34.4N	32.3E	25	3.6L,4.0b			
NEIC	M_D3.9(ISK), Poor solution.								
ISC	**II**	**18 13 57 36**±1.5	**34.42N**±.051	**32.05E**±.085	**25**±18		**39**	**1-6**	
IPRG	II	18 13 57 40.1±.26	34.4N	32.2E	25	3.3L			**¶97ii2651**
ISC	**II**	**19 00 23 28**±1.0	**34.72N**±.075	**34.0E**±.18	**5**		**23**	**2-5**	
IPRG	II	19 00 23 32.2±.43	34.5N	34.1E	5	2.1L			**¶97ii2711**
ISC	**II**	**19 02 16 59**±1.9	**34.45N**±.077	**32.1E**±.20	**13**±19		**40**	**0-6**	
IPRG	II	19 02 17 02.1±.32	34.5N	32.2E	25	2.7L			**¶97ii2724**
ISC	**II**	**19 10 36 43**±1.5	**34.40N**±.058	**32.06E**±.090	**30**±15		**25**	**1-20**	
IPRG	II	19 10 36 42.5±.65	34.5N	32.1E	17	3.1L			**¶97ii2769**
ISC	**II**	**20 21 35 38**±4.2	**34.5N**±.12	**32.5E**±.51	**25**		**8**	**2-4**	
IPRG	II	20 21 35 37.2±.48	34.6N	32.3E	25	2.3L			**¶97ii2983**
ISC	**III**	**01 20 39 34**±1.1	**34.92N**±.088	**34.7E**±.12	**25**		**26**	**1-5**	
IPRG	III	01 20 39 38.5±.34	34.7N	34.8E	25±3.5	3.0L			**¶97iii0183**
ISC	**III**	**02 10 04 55**±1.6	**34.36N**±.053	**32.2E**±.19	**25**		**19**	**1-5**	
IPRG	III	02 10 04 58.3±.53	34.3N	32.3E	25	2.8L			**¶97iii0279**
ISC	**III**	**07 02 23 22.4**±.47	**34.68N**±.045	**32.87E**±.069	**43**±10	**3.5b**	**47**	**0-35**	
EIDC	III	07 02 23 18.4	34.8N	33.2E	0	3.7b,4.5L			**¶97iii1407**
NEIC	III	07 02 23 22.9	34.93N	32.98E	33				
IPRG	III	07 02 23 24.7±.39	34.5N	33.2E	5	3.6L			
RYD	III	07 02 24 41.8	29.1N	35.3E	0	3.2D			
NEIC	Poor solution.								
ISC	**III**	**07 13 33 45**±1.6	**34.71N**±.062	**32.8E**±.20	**25**		**25**	**1-5**	
IPRG	III	07 13 33 51.4±.47	34.5N	33.1E	25	2.7L			**¶97iii1523**

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**08 05 22 16.7**±.92	**34.80N**±.088	**34.6E**±.11	**5**		**22**	**1-5**
IPRG	III	08 05 22 23.0±.48	34.4N	34.7E	5	3.1L		¶97iii1673
ISC	**III**	**08 11 45 31**±3.2	**34.8N**±.13	**32.7E**±.33	**25**		**14**	**1-5**
IPRG	III	08 11 45 35.8±.37	34.6N	32.8E	25	2.0L		¶97iii1740
ISC	**III**	**08 12 39 48.3**±.68	**34.47N**±.059	**32.03E**±.092	**10**		**22**	**1-5**
ISK	III	08 12 39 52.4	34.77N	32.11E	10	3.4D		¶97iii1749
IPRG	III	08 12 39 56.2±.64	34.3N	32.3E	25	2.5L		
ISC	**III**	**08 15 51 06.9**±.38	**34.32N**±.028	**32.43E**±.049	**43**±6.5	**3.9b**,3.2s	**90**	**1-81**
EIDC	III	08 15 51 03.2	34.5N	32.7E	0	4.0b,3.2s		¶97iii1786
NEIC	III	08 15 51 06.2	34.33N	32.38E	33	4.1b		
MOS	III	08 15 51 06.3	34.4N	32.5E	33	4.6b		
ISK	III	08 15 51 06.5	34.31N	32.44E	10	4.1D		
IPRG	III	08 15 51 07.3±.39	34.4N	32.4E	25	4.2L,4.3b		
NEIC	$M_{L4.2}$(JER)							
ISC	**III**	**14 19 43 31**±1.9	**34.38N**±.087	**32.2E**±.27	**20**±33		**32**	**1-6**
IPRG	III	14 19 43 34.2±.41	34.4N	32.3E	25	2.9L		¶97iii2939
ISC	**III**	**25 03 32 17.7**±.47	**34.52N**±.049	**32.26E**±.084	**62**±17		**32**	**0-20**
ISK	III	25 03 32 16.0	34.64N	32.20E	10	4.0D		¶97iii4666
IPRG	III	25 03 32 19.9±.51	34.4N	32.2E	25	3.4L		
ISC	**III**	**25 17 21 29**±3.2	**34.50N**±.084	**32.2E**±.36	**25**		**9**	**1-4**
IPRG	III	25 17 21 31.1±.65	34.5N	32.2E	25	2.2L		¶97iii4767
ISC	**III**	**26 09 19 16.6**±.37	**34.92N**±.033	**33.06E**±.057	**53**±6.8	**4.0b**,5.5s	**76**	**1-92**
ISK	III	26 09 19 11.2	34.56N	32.96E	10	4.0D		¶97iii4893
EIDC	III	26 09 19 15.4	35.0N	33.0E	22	4.0b,5.2L		
MOS	III	26 09 19 15.5	35.0N	33.1E	37	4.4b		
NEIC	III	26 09 19 16.5	34.92N	33.06E	53	4.1b		
IPRG	III	26 09 19 20.9±.42	34.7N	33.1E	25	4.2L,4.3b		
ISC	**III**	**27 04 16 19**±3.2	**34.7N**±.36	**32.0E**±.14	**33**		**6**	**0-4**
								¶97iii5141
ISC	**IV**	**05 14 23 26**±5.9	**34.4N**±.10	**31.9E**±.73	**25**		**9**	**2-5**
IPRG	IV	05 14 23 29.5±.77	34.5N	32.2E	25	2.5L		¶97iv0785
ISC	**IV**	**05 17 51 52**±1.4	**34.32N**±.055	**32.5E**±.20	**68**±34		**30**	**1-20**
IPRG	IV	05 17 51 51.9±.32	34.4N	32.4E	25	3.1L		¶97iv0819
ISC	**IV**	**14 19 47 02.1**±.32	**34.42N**±.026	**32.17E**±.040	**55**±5.1	**4.1b,4.0s**	**144**	**0-84**
ISK	IV	14 19 46 59.8	34.24N	32.09E	10	4.0D		¶97iv2504
NEIC	IV	14 19 47 00.1	34.53N	32.25E	33	4.2b		
EIDC	IV	14 19 47 03.1	34.5N	32.2E	45	4.0b,4.9L		
MOS	IV	14 19 47 03.3	34.9N	32.1E	33	4.3b		
IPRG	IV	14 19 47 03.5±.27	34.3N	32.3E	9±2.5	4.2L,4.3b		
RYD	IV	14 19 47 08.2	33.8N	31.3E	6	4.2D		
ISC	**IV**	**15 14 16 55.1**±.71	**34.74N**±.063	**33.79E**±.090	**25**		**24**	**0-5**
IPRG	IV	15 14 16 58.4±.36	34.7N	34.0E	25	2.5L		¶97iv2611
ISC	**IV**	**16 07 45 10**±1.3	**34.31N**±.052	**32.3E**±.16	**25**		**25**	**1-5**
IPRG	IV	16 07 45 13.9±.80	34.2N	32.4E	25	2.5L		¶97iv2718
ISC	**IV**	**19 03 22 26**±7.0	**34.44N**±.067	**32.1E**±.19	**12**±58		**26**	**0-5**
IPRG	IV	19 03 22 30.7±.37	34.4N	32.2E	25	2.7L		¶97iv3145
ISC	**IV**	**21 23 16 24.0**±.53	**34.44N**±.042	**32.18E**±.083	**59**±10	**3.7b**	**39**	**0-35**
ISK	IV	21 23 16 16.5	34.12N	32.18E	33	3.7D		¶97iv3599
IPRG	IV	21 23 16 23.7±.23	34.4N	32.3E	9±5.3	3.0L		
EIDC	IV	21 23 16 34.5	34.9N	32.4E	116	3.5b		
ISC	**V**	**02 01 01 23**±1.8	**34.32N**±.061	**32.1E**±.11	**22**±22		**28**	**1-6**
IPRG	V	02 01 01 26.4±.42	34.3N	32.2E	25	2.4L		¶97v0184
ISC	**V**	**09 15 18 33**±2.6	**34.5N**±.11	**31.9E**±.28	**58**±40		**19**	**1-7**
IPRG	V	09 15 18 37.6±.50	34.3N	32.1E	25	2.4L		¶97v1442
ISC	**V**	**16 16 19 17**±1.6	**34.41N**±.046	**32.09E**±.082	**23**±19		**40**	**1-6**
IPRG	V	16 16 19 19.4±.34	34.4N	32.2E	22	3.3L		¶97v2801
ISC	**V**	**21 10 39 27.8**±.46	**35.84N**±.051	**31.81E**±.076	**91**±19		**34**	**1-7**
								¶97v3547
ISC	**V**	**21 13 46 15.5**±.52	**34.49N**±.059	**32.17E**±.083	**61**±24		**34**	**0-6**
IPRG	V	21 13 46 20.7±.31	34.3N	32.4E	25	3.2L		¶97v3562
ISC	**V**	**23 00 52 07**±8.0	**34.6N**±.11	**32.0E**±.79	**33**		**8**	**0-4**
								¶97v3854
ISC	**V**	**24 13 44 53**±1.5	**34.28N**±.062	**32.4E**±.24	**27**±27		**19**	**1-5**
IPRG	V	24 13 44 55.8±.37	34.3N	32.5E	25	2.4L		¶97v4117
ISC	**V**	**26 00 24 03**±1.0	**34.29N**±.044	**32.5E**±.13	**25**		**26**	**1-5**
IPRG	V	26 00 24 04.9±.34	34.4N	32.5E	25	2.5L		¶97v4342
ISC	**V**	**28 18 35 18.0**±.30	**34.76N**±.025	**32.47E**±.037	**44**±4.4	**4.1b**	**134**	**0-81**
BJI	V	28 18 35 14.8	34.64N	31.90E	42	4.6b		¶97v4759
MOS	V	28 18 35 17.0	34.9N	32.4E	33	4.4b		
NEIC	V	28 18 35 17.1	34.86N	32.40E	33	4.2b		
ISK	V	28 18 35 19.0	35.10N	32.56E	12	4.3D		
IPRG	V	28 18 35 19.1±.27	34.7N	32.6E	9±1.9	4.2L,4.3b		
EIDC	V	28 18 35 27.3	34.9N	32.3E	116	3.8b,2.5s		
NEIC	$M_{L4.2}$(JER).							
ISC	**VI**	**06 19 49 33.5**±.59	**34.94N**±.044	**34.5E**±.10	**10**		**37**	**1-6**
ISK	VI	06 19 49 35.5	35.11N	34.53E	10	3.6D		¶97vi0984
IPRG	VI	06 19 49 38.3±.49	34.9N	34.6E	25	3.1L		
ISC	**VI**	**07 01 00 23**±2.9	**34.4N**±.11	**32.2E**±.28	**25**		**21**	**1-5**
IPRG	VI	07 01 00 26.6±.40	34.3N	32.3E	25	2.5L		¶97vi1022
ISC	**VI**	**11 15 19 59**±1.8	**34.5N**±.16	**32.2E**±.35	**25**±41		**21**	**0-5**
IPRG	VI	11 15 20 01.7±.31	34.4N	32.2E	25	2.7L		¶97vi1707
ISC	**VI**	**17 09 53 08**±2.4	**34.4N**±.11	**32.1E**±.41	**30**±29		**17**	**1-5**
IPRG	VI	17 09 53 12.7±.40	34.2N	32.2E	25	3.0L		¶97vi2594
ISC	**VI**	**19 00 54 02**±1.6	**34.36N**±.060	**32.2E**±.22	**31**±20		**26**	**1-5**
IPRG	VI	19 00 54 05.9±.36	34.3N	32.3E	25	2.8L		¶97vi2851
ISC	**VI**	**22 21 24 05**±3.1	**34.4N**±.12	**32.2E**±.29	**25**		**17**	**1-5**
IPRG	VI	22 21 24 06.6±.44	34.4N	32.2E	25	2.6L		¶97vi3440

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RYD	**I**	**01 09 44 39.9**	**30.02N**	**36.35E**	**12**	**2.9D**		¶97i0054
ISC	**I**	**02 12 46 47**±4.5	**31.8N**±.20	**35.0E**±.26	**5**		**8**	**1-1**
JSO	I	02 12 46 48.0	31.73N	34.99E	5	2.9L		¶97i0212
RYD	**I**	**02 16 29 50.7**	**30.16N**	**36.59E**	**43**	**3.3D**		¶97i0245
RYD	**I**	**03 08 45 29.5**	**30.3N**	**36.6E**	**30**	**2.8D**		¶97i0347
RYD	**I**	**04 12 25 20.6**	**30.7N**	**36.9E**	**43**	**3.0D**		¶97i0536
RYD	**I**	**04 16 02 21.4**	**30.4N**	**36.6E**	**43**	**3.3D**		¶97i0550
ISC	**I**	**06 20 28 06**±2.2	**31.52N**±.085	**35.5E**±.21	**20**±26		**6**	**0-1**
JSO	I	06 20 28 06.6	31.50N	35.56E	18	2.3L		¶97i0828
RYD	**I**	**07 16 04 09.8**	**30.2N**	**36.6E**	**43**	**3.2D**		¶97i0943
ISC	**I**	**08 06 55 47**±3.8	**32.0N**±.23	**35.7E**±.29	**10**±11		**6**	**0-1**
JSO	I	08 06 55 47.4	32.00N	35.70E	5	2.8L		¶97i1035
RYD	**I**	**17 11 45 21.2**	**30.2N**	**36.56E**	**12**	**3.1D**		¶97i2440
RYD	**I**	**18 13 06 55.1**	**30.35N**	**36.4E**	**30**	**3.1D**		¶97i2665
RYD	**I**	**20 14 37 59.3**	**30.1N**	**36.6E**	**30**	**3.2D**		¶97i3019
ISC	**II**	**02 13 44 20.4**±.76	**32.05N**±.034	**35.89E**±.074	**10**±7.2		**26**	**0-2**
IPRG	II	02 13 44 21.1±.98	32.0N	35.9E	7±.8	2.4L		¶97ii0231
JSO	II	02 13 44 21.6	32.01N	35.91E	8	2.8L		
RYD	**II**	**03 09 10 09.9**	**31.24N**	**35.99E**	**16**	**2.9D**		¶97ii0355
ISC	**II**	**05 23 10 20**±2.4	**30.5N**±.10	**35.1E**±.25	**20**±16		**6**	**0-1**
JSO	II	05 23 10 21.2	30.50N	35.22E	15	2.6L		¶97ii0763
RYD	**II**	**07 11 44 24.8**	**30.05N**	**36.95E**	**35**	**3.0D**		¶97ii0985
RYD	**II**	**08 14 28 04.9**	**30.8N**	**35.58E**	**34**	**3.0D**		¶97ii1152
ISC	**II**	**08 22 47 35.5**±.75	**32.86N**±.049	**35.59E**±.068	**10**		**9**	**0-1**
IPRG	II	08 22 47 35.5±.24	32.9N	35.6E	10±4.5	2.0L		¶97ii1219
RYD	**II**	**10 11 28 05.4**	**30.04N**	**36.92E**	**35**	**2.9D**		¶97ii1450
RYD	**II**	**11 11 57 58.8**	**30.39N**	**36.93E**	**35**	**3.0D**		¶97ii1627
ISC	**II**	**11 18 41 40**±2.9	**30.07N**±.049	**34.2E**±.17	**4**±12		**23**	**0-2**
RYD	II	11 18 41 41.4	30.38N	34.44E	35	3.5D		¶97ii1662
IPRG	II	11 18 41 42.0±.53	30.1N	34.3E	12	3.5L		
JSO	II	11 18 41 43.0	30.08N	34.30E	5	3.5L		
RYD	**II**	**13 16 01 35.8**	**30.16N**	**36.53E**	**34**	**3.1D**		¶97ii1946
ISC	**II**	**14 23 24 50.6**±.77	**32.92N**±.050	**35.62E**±.067	**7**±10		**13**	**0-2**
IPRG	II	14 23 24 50.6±.23	32.9N	35.6E	10±1.8	2.1L		¶97ii2132
RYD	**II**	**17 08 48 08.6**	**31.53N**	**35.47E**	**35**	**3.1D**		¶97ii2466
RYD	**II**	**17 11 09 54.8**	**30.07N**	**36.58E**	**35**	**3.1D**		¶97ii2481
ISC	**II**	**21 05 05 33**±1.4	**31.00N**±.047	**35.5E**±.11	**11**		**13**	**0-1**
IPRG	II	21 05 05 33.6±.23	31.0N	35.5E	11	2.0L		¶97ii3023
RYD	**II**	**23 12 21 25.7**	**30.89N**	**34.96E**	**25**	**3.2D**		¶97ii3328
RYD	**II**	**24 12 46 21.4**	**30.01N**	**36.31E**		**3.0D**		¶97ii3480
RYD	**II**	**26 09 53 16.5**	**30.51N**	**36.99E**	**25**	**3.1D**		¶97ii3774
RYD	**II**	**26 11 25 06.0**	**30.5N**	**35.5E**	**20**	**3.1D**		¶97ii3786
RYD	**II**	**27 08 42 33.6**	**31.28N**	**35.87E**	**25**	**2.8D**		¶97ii3929
RYD	**II**	**27 10 41 44.3**	**30.2N**	**36.72E**	**25**	**3.1D**		¶97ii3949
RYD	**III**	**02 12 13 05.1**	**31.8N**	**34.54E**		**3.2D**		¶97iii0305
RYD	**III**	**04 12 15 35.2**	**31.86N**	**36.87E**	**25**	**3.1D**		¶97iii0842
ISC	**III**	**04 18 11 11**±1.2	**30.04N**±.035	**34.37E**±.094	**1**±6.5		**32**	**0-2**
RYD	III	04 18 11 11.0	30.2N	34.25E	10	3.6D		¶97iii0901
IPRG	III	04 18 11 11.5±.25	30.0N	34.4E	3±2.0	3.2L		
JSO	III	04 18 11 13.9	30.03N	34.50E	1	3.4L		
RYD	**III**	**08 13 03 07.6**	**30.03N**	**36.54E**	**32**	**3.0D**		¶97iii1752
RYD	**III**	**10 09 21 28.4**	**31.3N**	**36.1E**	**23**	**3.5D**		¶97iii2184
RYD	**III**	**13 12 11 28.9**	**31.9N**	**36.5E**	**37**	**3.3D**		¶97iii2698
RYD	**III**	**13 12 50 35.2**	**30.02N**	**36.5E**	**1**	**3.4D**		¶97iii2705
RYD	**III**	**15 11 48 07.6**	**30.1N**	**36.5E**	**12**	**3.3D**		¶97iii3043
RYD	**III**	**16 09 49 37.6**	**31.2N**	**36.37E**	**10**	**3.1D**		¶97iii3206
RYD	**IV**	**01 11 10 08.1**	**31.20N**	**36.13E**	**37**	**2.8D**		¶97iv0057
RYD	**IV**	**02 10 29 18.4**	**30N**	**36.5E**	**15**	**2.8D**		¶97iv0231
RYD	**IV**	**03 08 42 20.6**	**31.1N**	**35.7E**	**12**	**2.6D**		¶97iv0401
RYD	**IV**	**03 08 56 23.5**	**31.4N**	**36.0E**	**15**	**2.9D**		¶97iv0402
RYD	**IV**	**06 09 39 25.1**	**31.25N**	**34.3E**	**25**	**3.1D**		¶97iv0972
RYD	**IV**	**07 10 41 55.4**	**31.29N**	**36.34E**	**25**	**3.6D**		¶97iv1141
ISC	**IV**	**07 20 44 37**±2.3	**30.28N**±.071	**35.3E**±.24	**16**±22		**8**	**0-1**
JSO	IV	07 20 44 37.2	30.31N	35.26E	13	2.3L		¶97iv1223
RYD	**IV**	**09 11 02 51.6**	**31.3N**	**35.9E**	**25**	**3.2D**		¶97iv1504
RYD	**IV**	**09 11 45 41.4**	**30.36N**	**36.5E**	**23**	**2.6D**		¶97iv1511
RYD	**IV**	**13 11 20 58.0**	**30.5N**	**34.27E**	**20**	**3.0D**		¶97iv2231
ISC	**IV**	**14 09 15 03**±1.3	**31.08N**±.061	**35.3E**±.14	**0**		**6**	**0-0**
IPRG	IV	14 09 15 02.3±7.79	31.1N	35.2E	0	2.1L		¶97iv2427
RYD	**IV**	**15 07 10 23.6**	**30.18N**	**36.67E**		**2.4D**		¶97iv2575
RYD	**IV**	**15 09 58 56.0**	**30.23N**	**36.67E**	**20**	**2.8D**		¶97iv2590
ISC	**IV**	**15 22 27 56**±1.1	**30.48N**±.043	**35.42E**±.085	**4**		**18**	**0-2**
RYD	IV	15 22 27 54.0	31.03N	35.34E	25	2.9D		¶97iv2660
IPRG	IV	15 22 27 56.3±.65	30.5N	35.4E	4±1.6	2.5L		
RYD	**IV**	**16 08 59 15.7**	**30.15N**	**36.78E**	**20**	**3.2D**		¶97iv2728
RYD	**IV**	**23 08 26 07.9**	**30.14N**	**36.57E**	**10**	**2.7D**		¶97iv3920
ISC	**IV**	**25 18 28 44.0**±.82	**32.10N**±.044	**36.22E**±.061	**13**±6.4		**23**	**0-2**
IPRG	IV	25 18 28 44.7±.23	32.1N	36.3E	14±.8	2.5L		¶97iv4393
JSO	IV	25 18 28 45.4	32.08N	36.24E	19	2.9L		
RYD	**IV**	**26 10 21 28.1**	**30.98N**	**35.84E**	**35**	**3.2D**		¶97iv4524
RYD	**IV**	**26 10 27 42.8**	**30.16N**	**36.63E**	**20**	**2.9D**		¶97iv4525
RYD	**IV**	**27 09 44 27.2**	**30.87N**	**34.9E**		**2.8D**		¶97iv4699
ISC	**IV**	**27 09 54 32**±13	**30.2N**±.54	**35.4E**±.54	**2**±34		**7**	**0-1**
IPRG	IV	27 09 54 28.6±.78	30.0N	35.5E	0	2.4L		¶97iv4703
RYD	**IV**	**28 08 01 22.6**	**31.74N**	**36.14E**	**25**	**2.5D**		¶97iv4874
RYD	**IV**	**28 13 29 28.0**	**30.25N**	**36.61E**	**21**	**2.6D**		¶97iv4925
RYD	**IV**	**29 07 15 36.4**	**30.25N**	**36.61E**	**21**	**3.0D**		¶97iv5035
RYD	**IV**	**29 10 20 19.0**	**30.32N**	**35.33E**	**25**	**3.2D**		¶97iv5058
RYD	**IV**	**30 08 05 23.9**	**30.62N**	**36.44E**	**21**	**2.5D**		¶97iv5182
ISC	**IV**	**30 09 36 13.9**±.70	**32.16N**±.038	**36.39E**±.052	**9**±5.9		**35**	**0-3**
IPRG	IV	30 09 36 13.6±.21	32.1N	36.5E	10±3.5	3.7L		¶97iv5193
JSO	IV	30 09 36 16.0	32.06N	36.48E	7	3.6L		
RYD	**V**	**01 10 45 45.0**	**30.2N**	**36.9E**	**35**	**2.6D**		¶97v0084
RYD	**V**	**01 11 58 43.3**	**31.2N**	**36.5E**	**33**	**2.8D**		¶97v0094
RYD	**V**	**02 10 07 34.1**	**30.3N**	**36.8E**	**35**	**2.9D**		¶97v0248
RYD	**V**	**02 11 58 13.6**	**30.9N**	**36.3E**	**15**	**2.8D**		¶97v0259
RYD	**V**	**03 12 21 37.7**	**30.2N**	**36.6E**	**35**	**2.8D**		¶97v0437
RYD	**V**	**04 10 35 42.0**	**30.1N**	**36.5E**	**35**	**3.1D**		¶97v0623
RYD	**V**	**04 11 18 58.3**	**30.3N**	**35.7E**	**35**	**3.0D**		¶97v0629
RYD	**V**	**06 08 03 22.0**	**31N**	**35.8E**	**15**	**2.9D**		¶97v0933
RYD	**V**	**06 09 16 32.8**	**30.1N**	**35.4E**	**35**	**2.7D**		¶97v0940
RYD	**V**	**07 10 40 38.2**	**30.2N**	**35.7E**	**35**	**2.7D**		¶97v1084
RYD	**V**	**08 09 15 58.7**	**30.5N**	**36.1E**	**34**	**2.7D**		¶97v1212
ISC	**V**	**13 10 20 06**±1.6	**30.69N**±.049	**35.6E**±.18	**8**±21		**9**	**0-1**
JSO	V	13 10 20 06.5	30.70N	35.58E	9	3.1L		¶97v2224
RYD	**V**	**14 08 58 20.2**	**30.2N**	**36.5E**	**35**	**3.1D**		¶97v2417
RYD	**V**	**18 07 38 09.3**	**30.1N**	**36.9E**	**35**	**2.7D**		¶97v3048
ISC	**V**	**18 19 46 56.0**±.47	**32.76N**±.042	**35.37E**±.059	**21**±6.5		**35**	**0-3**
JSO	V	18 19 46 53.9	32.74N	35.22E	6	3.8L		¶97v3140
IPRG	V	18 19 46 56.5±.26	32.8N	35.3E	10±4.1	3.6L,4.1b		
IPRG	Felt I=I MM							
RYD	**V**	**19 10 27 28.7**	**30.2N**	**36.7E**	**15**	**3.0D**		¶97v3242
RYD	**V**	**20 09 45 47.8**	**30.02N**	**36.86E**	**35**	**2.9D**		¶97v3381
ISC	**V**	**22 08 27 11**±3.1	**30.9N**±.14	**34.8E**±.23	**1**		**7**	**1-2**
JSO	V	22 08 27 14.2	30.83N	34.94E	1	3.0L		¶97v3741
RYD	**V**	**23 07 27 45.6**	**30N**	**36.5E**	**35**	**2.7D**		¶97v3908
RYD	**VI**	**01 12 01 02.1**	**31.0N**	**36.17E**	**35**	**3.0D**		¶97vi0075
RYD	**VI**	**02 08 56 38.4**	**31.49N**	**36.62E**	**37**	**3.0D**		¶97vi0212
ISC	**VI**	**03 14 25 35**±2.1	**30.2N**±.12	**35.4E**±.29	**10**		**4**	**1-10**
RYD	VI	03 14 25 38.9	29.97N	35.45E	10	3.3D		¶97vi0469
ISC	Poorly determined							
ISC	**VI**	**05 02 14 15.0**±.65	**32.72N**±.038	**35.64E**±.067	**0**		**20**	**0-3**
IPRG	VI	05 02 14 14.6±.60	32.7N	35.6E	0±2.5	3.1L		¶97vi0696
RYD	**VI**	**08 11 28 59.6**	**30.08N**	**35.6E**	**10**	**3.1D**		¶97vi1229
RYD	**VI**	**08 11 56 45.8**	**31.14N**	**36.54E**	**35**	**3.1D**		¶97vi1231
RYD	**VI**	**09 11 09 12.5**	**30.66N**	**35.96E**	**6**	**3.1D**		¶97vi1383
RYD	**VI**	**10 10 23 54.9**	**30.0N**	**36.5E**	**1**	**3.1D**		¶97vi1512
RYD	**VI**	**11 10 03 58.8**	**30.27N**	**35.58E**	**35**	**3.0D**		¶97vi1662

RYD	**VI**	**22 08 38 37.0**	**31.55N**	**35.75E**	**35**	**3.0D**		**¶97vi3351**
RYD	**VI**	**22 10 10 52.8**	**30.04N**	**36.58E**	**35**	**3.2D**		**¶97vi3367**
RYD	**VI**	**23 09 15 39.7**	**30.01N**	**36.52E**	**35**	**3.1D**		**¶97vi3506**
ISC	**VI**	**24 06 56 17**±5.7	**32.8N**±.37	**35.6E**±.17	**4**		**4**	**0-1**
IPRG	VI	24 06 56 16.8±.77	32.7N	35.6E	4	2.0L		**¶97vi3659**
ISC	Poorly determined							

(374) Jordan-Syria region.

ISK	**I**	**03 15 43 31.5**	**36.45N**	**37.58E**	**5**	**3.4D**		**¶97i0398**
ISC	**I**	**03 22 45 35.6**±.72	**35.55N**±.058	**36.4E**±.21	**6**		**11**	**1-3**
IPRG	I	03 22 45 37.7±.84	35.6N	35.9E	6	3.0L		**¶97i0444**
ISK	I	03 22 45 38.4	35.81N	36.50E	33	3.5D		
RYD	**I**	**08 10 52 09.1**	**31.2N**	**37.6E**	**45**	**3.1D**		**¶97i1050**
IPRG	**I**	**13 18 10 34.0**±.94	**33.5N**	**36.6E**	**12**	2.8L		**¶97i1881**
ISC	**I**	**18 12 31 23**±5.1	**33.7N**±.34	**36.8E**±.33	**1**		**7**	**1-2**
IPRG	I	18 12 31 21.1±.85	33.8N	36.9E	1	2.2L		**¶97i2654**
ISC	**I**	**21 00 20 41**±1.4	**35.9N**±.17	**35.3E**±.16	**6**		**4**	**1-2**
ISK	I	21 00 20 40.6	36.06N	35.22E	6	3.5D		**¶97i3109**
ISC	Poorly determined							
ISC	**I**	**22 18 27 30.0**±.17	**36.29N**±.027	**36.03E**±.024	**10**	**5.2b,4.9s**	**306**	**0-124**
BJI	I	22 18 27 29.3	36.43N	36.02E	10	5.0b,5.2s		**¶97i3368**
MOS	I	22 18 27 29.6	36.1N	36.0E	10	5.4b		
NEIC	I	22 18 27 29.6	36.28N	36.00E	10	5.3b		
EIDC	I	22 18 27 35.5	36.3N	36.0E	36	4.8b,4.8s		
NEIC	M_L5.3(JER).							
ISK	**I**	**22 18 35 14.5**	**36.12N**	**36.20E**	**10**	**3.6D**		**¶97i3370**
ISC	**I**	**22 20 12 59**±1.9	**36.2N**±.18	**36.0E**±.25	**15**±21		**5**	**0-3**
ISK	I	22 20 12 57.1	36.26N	35.95E	6	3.7D		**¶97i3378**
ISC	Poorly determined							
ISK	**I**	**22 22 36 51.0**	**36.25N**	**36.09E**	**10**	**3.6D**		**¶97i3397**
ISC	**I**	**23 07 09 24**±1.3	**36.29N**±.028	**36.18E**±.045	**25**±12	**4.0b**	**82**	**0-79**
ISK	I	23 07 09 19.2	36.16N	36.33E	33	4.0D		**¶97i3452**
MOS	I	23 07 09 22.2	36.3N	36.3E	10	4.6b		
NEIC	I	23 07 09 22.2	36.33N	36.23E	10	4.3b		
EIDC	I	23 07 09 22.6	36.2N	36.1E	0	4.0b,3.4L		
NEIC	M_L4.4(JER).							
ISK	**I**	**23 07 14 38.9**	**36.01N**	**36.31E**	**5**	**2.9D**		**¶97i3454**
ISK	**I**	**23 07 16 53.2**	**36.00N**	**36.43E**	**5**	**3.4D**		**¶97i3457**
ISC	**I**	**23 10 14 07**±2.1	**36.2N**±.18	**36.1E**±.25	**14**±16		**5**	**0-3**
ISK	I	23 10 14 06.3	36.12N	36.14E	10	3.7D		**¶97i3481**
ISC	Poorly determined							
ISK	**I**	**31 03 44 27.5**	**36.44N**	**37.58E**	**10**	**3.1D**		**¶97i4583**
RYD	**II**	**04 09 59 12.9**	**30.22N**	**37.02E**	**18**	**3.1D**		**¶97ii0500**
RYD	**II**	**04 11 28 42.6**	**30.76N**	**37.0E**	**17**	**3.2D**		**¶97ii0514**
RYD	**II**	**08 13 01 09.4**	**31.18N**	**37.09E**	**25**	**2.9D**		**¶97ii1143**
RYD	**II**	**09 08 44 41.5**	**30.23N**	**37.19E**	**34**	**2.9D**		**¶97ii1283**
RYD	**II**	**09 12 14 29.8**	**30.99N**	**37.56E**	**0**	**3.0D**		**¶97ii1305**
RYD	**II**	**10 13 02 24.5**	**30.94N**	**37.09E**	**0**	**2.9D**		**¶97ii1465**
ISC	**II**	**15 00 40 59.4**±.87	**33.12N**±.055	**35.68E**±.069	**0**		**15**	**0-2**
IPRG	II	15 00 40 58.8±.75	33.1N	35.7E	0±2.5	2.5L		**¶97ii2144**
RYD	**II**	**17 12 07 18.4**	**31.51N**	**37.34E**	**35**	**3.2D**		**¶97ii2488**
ISK	**II**	**24 10 17 25.9**	**36.24N**	**36.13E**	**33**	**2.8D**		**¶97ii3459**
ISK	**II**	**24 10 18 55.1**	**36.29N**	**36.05E**	**6**	**3.3D**		**¶97ii3460**
ISK	**II**	**24 10 21 08.1**	**36.24N**	**36.00E**	**8**	**2.9D**		**¶97ii3461**
ISC	**II**	**26 22 47 53**±1.1	**36.26N**±.033	**36.17E**±.061	**13**±7.7	**3.7b**	**39**	**0-79**
ISK	II	26 22 47 51.4	36.07N	36.27E	10	4.0D		**¶97ii3871**
NEIC	II	26 22 47 52.1	36.27N	36.16E	10			
EIDC	II	26 22 47 52.9	36.3N	36.2E	0	3.6b		
NEIC	M_L4.2(JER)							
NEIC	Felt at Antakya, Turkey.							
RYD	**II**	**27 12 10 40.8**	**31.9N**	**37.59E**	**25**	**3.0D**		**¶97ii3954**
ISK	**III**	**08 17 23 48.2**	**36.25N**	**36.15E**	**5**	**2.3D**		**¶97iii1800**
ISK	**III**	**10 10 18 16.6**	**36.09N**	**36.23E**	**10**	**3.1D**		**¶97iii2191**
ISC	**III**	**11 04 39 56**±1.4	**36.9N**±.13	**36.1E**±.14	**10**		**4**	**1-2**
ISK	III	11 04 39 55.8	36.94N	36.07E	10	3.0D		**¶97iii2309**
ISC	Poorly determined							
ISC	**III**	**26 04 22 53.1**±.20	**33.70N**±.025	**35.41E**±.027	**5**	**4.9b,4.7s**	**316**	**1-122**
BJI	III	26 04 22 50.3	33.22N	35.24E	9	4.7b,5.2s		**¶97iii4840**
IPRG	III	26 04 22 51.2±.39	33.9N	35.4E	5	5.5L,5.3b		
MOS	III	26 04 22 51.3	33.4N	35.4E	10	5.4b		
NEIC	III	26 04 22 51.6	33.39N	35.45E	10	5.0b,4.6s		
ISK	III	26 04 22 52.9	34.07N	35.20E	10	4.9D		
EIDC	III	26 04 22 54.1	33.8N	35.5E	0	4.6b,4.8L		
IPRG	Felt I=III MM							
NEIC	M_L5.6(JER), M_D5.3(RYD)							
NEIC	About 50 buildings slightly damaged in the Beirut area, Lebanon. Felt throughout Lebanon. Also felt in northern and central Israel and parts of Syria.							
ISC	**III**	**26 04 33 04**±1.2	**33.68N**±.075	**35.6E**±.19	**1**±12		**10**	**0-2**
IPRG	III	26 04 33 06.3±.43	33.6N	35.6E	5±1.4	2.4L		**¶97iii4842**
ISC	**III**	**26 05 53 18**±1.2	**33.68N**±.070	**35.5E**±.15	**2**±11		**10**	**0-2**
IPRG	III	26 05 53 19.0±.98	33.7N	35.6E	5±2.6	2.7L		**¶97iii4849**
ISC	**III**	**26 06 51 45**±5.7	**33.5N**±.34	**35.5E**±.18	**5**		**8**	**1-2**
IPRG	III	26 06 51 42.6±.74	33.7N	35.6E	5±1.9	2.4L		**¶97iii4854**
IPRG	**III**	**26 07 28 40.2**±.60	**33.7N**	**35.7E**	**5**	**2.8L**		**¶97iii4856**
ISC	**III**	**26 13 20 21.4**±.68	**33.72N**±.019	**35.43E**±.036	**4**±4.9	**4.5b,4.6s**	**151**	**0-97**
MOS	III	26 13 20 21.8	33.7N	35.5E	10	4.8b		**¶97iii4974**
IPRG	III	26 13 20 21.8±.20	33.7N	35.6E	3±1.9	5.2L,5.2b		
NEIC	III	26 13 20 21.9	33.74N	35.46E	10	4.7b		
EIDC	III	26 13 20 22.0	33.7N	35.4E	0	4.2b,3.8s		
JSO	III	26 13 20 22.4	33.77N	35.65E	2	4.7L		
ISK	III	26 13 20 25.8	34.07N	35.23E	8	4.5D		
BJI	III	26 13 20 27.9	34.86N	35.69E	5	4.9b,5.1s		
IPRG	Felt I=III MM							
NEIC	M_L5.0(JER), M_L5.0(BHL)							
NEIC	Felt in parts of Lebanon. Also felt in northern and central Israel.							
ISC	**III**	**26 13 43 12**±1.2	**33.68N**±.071	**35.5E**±.15	**4**±13		**9**	**0-1**
IPRG	III	26 13 43 11.8±.66	33.7N	35.6E	1	2.4L		**¶97iii4986**
ISC	**III**	**26 14 40 41**±1.2	**33.68N**±.069	**35.5E**±.13	**0**		**13**	**0-2**
IPRG	III	26 14 40 40.5±.65	33.7N	35.6E	0	3.0L		**¶97iii5003**
ISC	**III**	**30 00 57 52**±1.2	**33.70N**±.070	**35.5E**±.15	**3**±9.0		**13**	**0-3**
IPRG	III	30 00 57 51.3±.43	33.7N	35.6E	5±3.6	2.3L		**¶97iii5674**
ISC	**IV**	**06 19 47 14.6**±.97	**33.72N**±.067	**35.5E**±.11	**1**		**34**	**0-4**
IPRG	IV	06 19 47 14.6±.50	33.7N	35.6E	1±1.8	3.7L,4.1b		**¶97iv1046**
JSO	IV	06 19 47 16.8	33.77N	35.49E	5	3.8L		
ISC	**IV**	**08 03 09 27**±1.2	**33.67N**±.069	**35.5E**±.19	**3**±8.6		**15**	**0-4**
IPRG	IV	08 03 09 27.2±.78	33.7N	35.6E	2±2.5	2.8L		**¶97iv1267**
ISC	**IV**	**09 11 48 39**±2.5	**33.9N**±.15	**35.4E**±.15	**4**		**16**	**0-4**
IPRG	IV	09 11 48 39.6±.34	33.9N	35.5E	4	3.2L		**¶97iv1512**
ISK	**IV**	**11 17 29 54.7**	**36.14N**	**36.14E**	**10**	**2.9D**		**¶97iv1945**
RYD	**IV**	**13 12 14 41.2**	**32.6N**	**37.4E**		**2.7D**		**¶97iv2238**
ISC	**IV**	**13 12 57 49.0**±.98	**36.2N**±.13	**36.2E**±.14	**5**		**7**	**0-3**
ISK	IV	13 12 57 49.1	36.31N	36.03E	5	3.8D		**¶97iv2244**
NEIC	Felt Altinoz (after IKL)							
ISC	**IV**	**13 23 44 04**±1.2	**33.70N**±.067	**35.5E**±.15	**0**±11		**12**	**0-2**
IPRG	IV	13 23 44 02.9±.83	33.7N	35.6E	0±2.5	2.4L		**¶97iv2334**
RYD	**IV**	**30 08 36 02.3**	**33.4N**	**36.68E**	**26**	**3.9D**		**¶97iv5184**
ISK	**V**	**01 07 29 22.4**	**36.29N**	**36.12E**	**5**	**3.1D**		**¶97v0057**
ISK	**V**	**01 09 45 30.1**	**36.12N**	**36.15E**	**15**	**3.0D**		**¶97v0076**
RYD	**V**	**03 11 50 16.5**	**31.2N**	**37.2E**	**35**	**2.8D**		**¶97v0429**
ISC	**V**	**11 14 59 18**±3.9	**33.3N**±.23	**35.1E**±.23	**24**±11		**11**	**0-1**
IPRG	V	11 14 59 17.8±.29	33.3N	35.1E	15±2.6	2.4L		**¶97v1798**
ISC	**V**	**29 07 06 26.4**±.81	**33.31N**±.044	**35.8E**±.10	**22**±6.2		**43**	**0-4**
JSO	V	29 07 06 25.7	33.32N	35.70E	11	3.8L		**¶97v4836**
IPRG	V	29 07 06 27.4±.15	33.4N	35.6E	8±1.5	3.7L,4.1b		
IPRG	Felt I=I MM							
JSO	**V**	**29 17 21 44.5**	**30.76N**	**37.36E**	**5**			**¶97v4904**
RYD	**VI**	**02 07 38 42.5**	**30.58N**	**37.06E**	**35**	**3.0D**		**¶97vi0205**
ISC	**VI**	**07 04 14 00**±2.1	**33.60N**±.085	**36.2E**±.16	**0**		**14**	**0-2**
IPRG	VI	07 04 14 00.2±.49	33.6N	36.2E	0	2.7L		**¶97vi1039**
ISC	**VI**	**14 17 41 45**±5.8	**33.9N**±.31	**35.8E**±.25	**0**		**8**	**1-2**
IPRG	VI	14 17 41 45.4±.67	33.8N	35.8E	0	2.1L		**¶97vi2152**

(375) Iraq.

ISC	**IV**	**20 21 08 09.4**±.81	**36.82N**±.062	**42.82E**±.081	**46**±8.8	**3.8b,3.1s**	**37**	**2-79**
ISK	IV	20 21 08 04.0	36.81N	42.67E	33	4.7D		**¶97iv3362**
EIDC	IV	20 21 08 05.1	37.0N	43.0E	0	3.8b,2.6s		
NEIC	IV	20 21 08 07.7	36.81N	42.96E	33	3.9b		
MOS	IV	20 21 08 09.4	36.9N	42.9E	33	4.4b		
NEIC	Less reliable solution.							

SEISMIC REGION 31.
WESTERN MEDITERRANEAN AREA.

(376) Portugal.

ISC	**I**	**02 11 21 48**±1.4	**37.8N**±.10	**7.9W**±.12	**11**		**4**	**0-1**
MDD	I	02 11 21 49.1	37.81N	7.89W	11	3.2		**¶97i0199**
LIS	I	02 11 21 50	37.83N	7.93W		1.6L		
ISC	Poorly determined							
ISC	**I**	**04 02 28 42.2**±.94	**39.20N**±.072	**9.0W**±.10	**1**		**9**	**0-2**
LIS	I	04 02 28 43	39.18N	9.10W	1	2.2L		**¶97i0464**
MDD	I	04 02 28 43.2	39.21N	9.07W		3.0		
LIS	Felt I=III MM Pragança, Pereiro, Avenal, Rocha Forte, II−III Tojeira, Cadaval, Vila Nova, Casais da Pedreira, Vila Verde dos Francos, Cabanas de Torres, Paúla, Rechaldeira							
MDD	Felt I=III MSK, Torres Vedras, Portugal							
LIS	**I**	**04 09 51 24**	**39.20N**	**9.07W**		**2.2L**		**¶97i0518**
LIS	Felt I=II−III MM Tojeira, Paúla, cabanas de Torres, Cabanosdo Cháo							
NEIC	Felt I=II−III MM Avenal, Cadaval (after PMJU)							
ISC	**I**	**19 12 00 51**±1.1	**38.73N**±.030	**7.79W**±.053	**8**±11		**44**	**0-10**
LDG	I	19 11 59 57.8	36.0N	11.8W	2	4.2L		**¶97i2836**
NEIC	I	19 12 00 28.1	38.69N	7.65W	10			
LIS	I	19 12 00 53	38.68N	7.87W	8	3.6L		
MDD	I	19 12 00 53.3	38.68N	7.88W	7	3.5		
NEIC	mbLg3.6(MDD). Single network solution.							
LIS	Felt I=III−IV MM Arraiolos, Montemor−o−Nova, Évora, III Redondo							
MDD	Felt I=III−IV MSK, Arraiolos, Portugal							
MDD	**I**	**28 02 27 29.2**	**37.53N**	**8.42W**	**9**	**2.8**		**¶97i4160**
LIS	I	28 02 27 29	37.58N	8.53W		1.2L		
ISC	**II**	**04 04 47 43**±2.6	**37.1N**±.21	**8.4W**±.21	**47**		**6**	**0-3**
MDD	II	04 04 47 41.5	36.92N	8.55W	47	3.8		**¶97ii0464**
LIS	II	04 04 47 42	36.98N	8.50W		2.2L		
ISC	**II**	**10 15 12 56**±1.7	**39.21N**±.052	**9.1W**±.22	**14**±18		**18**	**0-4**
MDD	II	10 15 12 56.8	39.18N	9.08W	5	3.1		**¶97ii1477**
LIS	II	10 15 12 57	39.18N	9.07W	3	2.7L		
LIS	Felt I=IV MM Vilar, south east Cadaval, III−IV Pragança, Quartel da Força Aérea de Montejunto, Palhais and Cadaval							
LIS	**II**	**11 06 59 38**	**40.13N**	**7.88W**		**1.8L**		**¶97ii1596**
ISC	**II**	**28 02 29 44**±2.0	**37.8N**±.22	**7.5W**±.17	**7**		**4**	**0-2**
MDD	II	28 02 29 44.4	37.77N	7.55W	7	2.9		**¶97ii4105**
ISC	Poorly determined							
ISC	**III**	**03 00 56 04**±6.1	**37.2N**±.27	**8.0W**±.26	**11**±53		**7**	**0-1**
LIS	III	03 00 56 04	37.22N	7.95W	3	1.2L		**¶97iii0437**
ISC	**III**	**04 21 21 47**±1.2	**37.85N**±.060	**8.4W**±.25	**0**		**6**	**0-1**
LIS	III	04 21 21 47	37.83N	8.48W		1.5L		**¶97iii0920**
ISC	**III**	**06 06 27 50**±7.0	**38.3N**±.24	**9.4W**±.54	**5**		**9**	**0-2**
LIS	III	06 06 27 54	38.23N	9.07W	5	2.1L		**¶97iii1214**
ISC	**III**	**07 13 02 33**±11	**37.2N**±.57	**9.9W**±.81	**2**		**7**	**1-2**
LIS	III	07 13 02 34	37.37N	10.0W	2	2.1L		**¶97iii1518**
ISC	**III**	**07 21 55 57**±1.1	**39.76N**±.039	**9.9W**±.14	**64**±17		**45**	**1-12**
NEIC	III	07 21 55 53.9	39.81N	9.90W	10			**¶97iii1612**
LIS	III	07 21 55 58	39.75N	9.83W	17	3.6L		
LDG	III	07 21 55 58.0	40.0N	10.1W	2	3.3L		
MDD	III	07 21 55 58.5	39.75N	9.87W	27	3.4		
NEIC	M_D3.9(MDD).							
ISC	**III**	**08 08 17 58**±3.8	**37.1N**±.35	**7.4W**±.30	**31**±9.7		**9**	**0-1**
LIS	III	08 08 17 57	37.02N	7.32W	21	1.8L		**¶97iii1708**
MDD	III	08 08 17 58.1	37.01N	7.35W	25	2.5		
ISC	**III**	**08 16 15 21**±1.2	**37.71N**±.051	**8.6W**±.11	**2**		**12**	**0-2**
MDD	III	08 16 15 21.9	37.70N	8.66W	2	3.2		**¶97iii1790**
LIS	III	08 16 15 22	37.70N	8.67W	7	2.1L		
ISC	**III**	**09 06 11 50**±1.3	**40.04N**±.066	**8.9W**±.14	**9**		**15**	**1-4**
NEIC	III	09 06 11 49.7	40.08N	8.82W	10			**¶97iii1918**
LIS	III	09 06 11 51	40.07N	8.92W	3	2.5L		
MDD	III	09 06 11 52.3	40.07N	8.84W	9	3.0		
NEIC	mbLg3.1(MDD), Single network solution.							
ISC	**III**	**13 14 25 46**±2.0	**37.2N**±.16	**8.6W**±.13	**0**		**6**	**0-0**
LIS	III	13 14 25 45	37.15N	8.60W		0.9L		**¶97iii2718**
ISC	Poorly determined							
ISC	**III**	**17 08 31 25.1**±.95	**37.36N**±.069	**8.45W**±.070	**0**		**7**	**0-1**
LIS	III	17 08 31 24	37.40N	8.52W		1.3L		**¶97iii3342**
ISC	**III**	**22 03 00 31**±1.1	**37.30N**±.079	**8.58W**±.097	**13**±9.1		**8**	**0-1**
MDD	III	22 03 00 31.7	37.30N	8.58W	8	3.1		**¶97iii4187**
LIS	III	22 03 00 32	37.30N	8.58W		1.7L		
ISC	**III**	**23 13 43 27**±1.7	**37.3N**±.13	**8.6W**±.12	**15**±22		**6**	**0-0**
LIS	III	23 13 43 28	37.30N	8.57W	13	1.7L		**¶97iii4446**
ISC	**III**	**27 15 26 42**±5.5	**37.4N**±.24	**8.5W**±.16	**12**±40		**6**	**0-0**
LIS	III	27 15 26 41	37.45N	8.47W	17	1.3L		**¶97iii5256**
ISC	Poorly determined							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 29 05 08 58**±3.9	**37.4N**±.19	**8.0W**±.21	**0**		**6**	**0-1**
LIS	III 29 05 08 58	37.42N	7.98W		1.1L		¶97iii5534
ISC	**III 29 05 11 20.8**±.81	**37.41N**±.084	**7.98W**±.063	**14**±10		**12**	**0-2**
LIS	III 29 05 11 21	37.42N	7.98W		1.7L		¶97iii5535
MDD	III 29 05 11 21.4	37.41N	7.98W	7	3.2		
ISC	**III 29 05 11 48.6**±.81	**37.43N**±.059	**7.97W**±.071	**10**		**12**	**0-2**
LIS	III 29 05 11 49	37.42N	7.98W		1.7L		¶97iii5536
MDD	III 29 05 11 49.2	37.41N	7.98W	10	2.9		
LIS	**IV 02 11 37 19**	**37.07N**	**8.07W**	**16**	**1.1L**		¶97iv0240
ISC	**IV 02 22 37 39**±2.6	**37.3N**±.11	**8.5W**±.10	**9**±27		**6**	**0-0**
LIS	IV 02 22 37 40	37.18N	8.57W	8	0.5L		¶97iv0339
ISC	**IV 05 05 39 49**±2.2	**37.4N**±.18	**8.6W**±.20	**12**		**5**	**0-1**
LIS	IV 05 05 39 49	37.32N	8.57W	12	0.8L		¶97iv0707
ISC	Poorly determined						
LIS	**IV 06 21 22 41**	**37.15N**	**9.05W**		**0.8L**		¶97iv1058
ISC	**IV 07 14 59 13**±1.7	**37.2N**±.14	**8.1W**±.10	**0**		**6**	**0-1**
LIS	IV 07 14 59 12	37.15N	8.00W		1.7L		¶97iv1180
ISC	**IV 08 20 40 43**±1.3	**37.34N**±.065	**8.8W**±.11	**9**±13		**12**	**0-3**
LIS	IV 08 20 40 43	37.35N	8.80W	2	2.0L		¶97iv1403
LIS	**IV 10 00 27 44**	**37.12N**	**9.00W**		**1.0L**		¶97iv1605
ISC	**IV 12 14 53 20**±6.8	**38.3N**±.30	**9.4W**±.56	**0**		**6**	**1-2**
LIS	IV 12 14 53 30	37.90N	9.13W		1.2L		¶97iv2082
LIS	**IV 14 00 27 35**	**37.35N**	**7.42W**	**18**	**1.5L**		¶97iv2347
ISC	**IV 14 00 53 20**±1.2	**37.35N**±.084	**8.42W**±.094	**27**±13		**11**	**0-3**
LIS	IV 14 00 53 21	37.35N	8.42W		2.0L		¶97iv2354
ISC	**IV 14 05 20 55**±2.0	**38.9N**±.10	**8.9W**±.21	**0**		**14**	**0-3**
LIS	IV 14 05 20 58	38.82N	8.73W		2.3L		¶97iv2393
ISC	**IV 14 08 38 08**±3.1	**37.2N**±.12	**8.1W**±.11	**13**±38		**7**	**0-1**
LIS	IV 14 08 38 08	37.20N	8.05W	12	1.3L		¶97iv2419
LIS	**IV 21 12 10 21**	**38.75N**	**9.40W**		**1.8L**		¶97iv3462
ISC	**IV 21 20 00 21**±2.0	**37.3N**±.12	**8.5W**±.11	**14**±25		**6**	**0-0**
LIS	IV 21 20 00 21	37.33N	8.47W	11	0.9L		¶97iv3567
ISC	**IV 21 21 22 17**±5.8	**41.9N**±.32	**7.6W**±.31	**0**		**5**	**1-2**
LIS	IV 21 21 22 18	41.88N	7.57W		1.8L		¶97iv3584
ISC	Poorly determined						
LIS	**IV 22 13 52 28**	**39.00N**	**9.40W**		**1.3L**		¶97iv3755
LIS	**IV 22 17 05 08**	**37.05N**	**8.27W**		**1.4L**		¶97iv3789
ISC	**IV 23 09 07 58.4**±.73	**41.22N**±.047	**7.04W**±.082	**11**±6.8		**13**	**0-4**
NEIC	IV 23 09 07 57.6	41.15N	7.14W	10			¶97iv3926
LIS	IV 23 09 07 59	41.23N	7.03W	3	2.6L		
MDD	IV 23 09 07 59.7	41.21N	7.05W	6	3.2		
NEIC	mbLg3.2(MDD), Single network solution.						
ISC	**IV 26 07 29 59**±1.0	**37.28N**±.081	**8.53W**±.082	**0**		**6**	**0-0**
LIS	IV 26 07 29 58	37.32N	8.55W		0.8L		¶97iv4489
ISC	**IV 28 01 22 58**±2.0	**39.18N**±.052	**9.4W**±.19	**21**±15		**21**	**0-4**
LIS	IV 28 01 22 59	39.17N	9.32W	6	2.7L		¶97iv4821
MDD	IV 28 01 22 59.4	39.15N	9.26W	7	3.0		
LIS	Felt I=II–III MM Torres Vedras						
ISC	**V 02 04 22 31**±1.7	**37.36N**±.070	**8.8W**±.13	**0**		**7**	**0-1**
LIS	V 02 04 22 32	37.37N	8.65W		0.9L		¶97v0205
ISC	**V 19 17 02 35**±1.4	**37.3N**±.10	**8.6W**±.11	**0**		**6**	**0-0**
LIS	V 19 17 02 35	37.28N	8.60W		0.8L		¶97v3286
ISC	Poorly determined						
ISC	**V 21 10 53 31**±1.0	**37.19N**±.098	**8.08W**±.068	**0**		**7**	**0-1**
LIS	V 21 10 53 31	37.22N	8.03W		1.5L		¶97v3551
MDD	**V 22 01 12 24.9**	**41.93N**	**7.61W**		**3.6**		¶97v3668
LIS	**V 27 15 16 51**	**37.72N**	**8.37W**		**1.8L**		¶97v4586
ISC	**V 29 06 21 30**±1.3	**37.17N**±.098	**8.52W**±.083	**0**		**6**	**0-1**
LIS	V 29 06 21 29	37.17N	8.53W		0.8L		¶97v4829
ISC	**V 29 11 59 56**±1.1	**38.81N**±.045	**8.1W**±.11	**16**±14		**22**	**0-4**
LIS	V 29 11 59 57	38.78N	7.93W		2.6L		¶97v4869
MDD	V 29 11 59 57.2	38.79N	8.02W	9	3.2		
ISC	**VI 02 07 38 45**±3.4	**37.3N**±.11	**8.5W**±.10	**14**±31		**6**	**0-0**
LIS	VI 02 07 38 45	37.32N	8.50W	10	1.0L		¶97vi0206
ISC	**VI 04 08 21 04**±1.2	**37.16N**±.098	**8.48W**±.073	**0**		**6**	**0-0**
LIS	VI 04 08 21 05	37.15N	8.48W		1.1L		¶97vi0582
ISC	**VI 05 02 52 10**±1.5	**37.3N**±.10	**8.6W**±.12	**0**		**4**	**0-0**
LIS	VI 05 02 52 09	37.32N	8.57W		1.2L		¶97vi0701
ISC	Poorly determined						
ISC	**VI 05 05 35 10**±1.0	**37.4N**±.14	**7.11W**±.093	**12**±8.7		**12**	**0-2**
MDD	VI 05 05 35 10.6	37.41N	7.10W	9	3.6		¶97vi0717
LIS	VI 05 05 35 11	37.40N	7.12W		2.3L		
ISC	**VI 06 08 21 40**±1.4	**37.2N**±.22	**8.48W**±.099	**0**		**5**	**0-0**
LIS	VI 06 08 21 40	37.13N	8.50W		1.4L		¶97vi0912
ISC	Poorly determined						
ISC	**VI 07 04 24 58**±1.0	**37.5N**±.21	**7.1W**±.11	**7**±12		**10**	**0-2**
MDD	VI 07 04 24 58.6	37.46N	7.12W	7	3.2		¶97vi1041
LIS	VI 07 04 24 59	37.45N	7.15W		1.7L		
LIS	**VI 11 11 06 38**	**39.50N**	**9.03W**		**1.7L**		¶97vi1676
ISC	**VI 11 11 16 35.6**±.61	**37.44N**±.069	**7.70W**±.054	**34**±21		**22**	**0-4**
NEIC	VI 11 11 16 28.1	37.41N	8.26W	10			¶97vi1680
LIS	VI 11 11 16 36	37.43N	7.72W	28	2.7L		
MDD	VI 11 11 16 36.2	37.44N	7.71W	27	3.1		
NEIC	mbLg3.1(MDD), Poor solution.						
ISC	**VI 11 20 34 05.7**±.98	**37.26N**±.070	**8.57W**±.075	**0**		**7**	**0-1**
LIS	VI 11 20 34 05	37.30N	8.62W		1.5L		¶97vi1747
LIS	**VI 12 21 30 29**	**38.23N**	**9.48W**		**1.9L**		¶97vi1900
ISC	**VI 13 00 17 58.0**±.92	**41.25N**±.046	**7.47W**±.097	**10**±10		**14**	**0-4**
LIS	VI 13 00 17 29	41.27N	7.48W		2.5L		¶97vi1909
NEIC	VI 13 00 17 57.8	41.22N	7.53W	10			
MDD	VI 13 00 17 59.6	41.26N	7.50W	6	3.2		
NEIC	mbLg3.2(MDD), Single network solution.						
ISC	**VI 13 14 43 10**±16	**37.1N**±.75	**8.0W**±.74	**0**		**4**	**0-1**
LIS	VI 13 14 43 10	37.05N	7.95W		1.4L		¶97vi2008
ISC	Poorly determined						
ISC	**VI 13 18 50 54**±1.7	**38.75N**±.032	**7.54W**±.052	**9**±14		**38**	**1-9**
NEIC	VI 13 18 50 54.1	38.82N	7.43W	10			¶97vi2025
MDD	VI 13 18 50 55.0	38.72N	7.56W	2	3.4		
LIS	VI 13 18 50 55	38.72N	7.55W	4	3.3L		
NEIC	mbLg3.2(MDD)						
NEIC	Felt I=III MM in the Redondo area.						
LIS	Felt I=II–III MM Borba, Bencatel						
ISC	**VI 13 19 29 08.9**±.86	**38.38N**±.044	**8.8W**±.10	**2**		**15**	**0-3**
MDD	VI 13 19 29 09.6	38.42N	8.82W	2	2.8		¶97vi2032
LIS	VI 13 19 29 10	38.42N	8.82W		2.3L		
ISC	**VI 13 22 21 15.9**±.55	**38.72N**±.049	**7.49W**±.075	**2**		**17**	**1-4**
LIS	VI 13 22 21 17	38.72N	7.58W		2.5L		¶97vi2049
MDD	VI 13 22 21 17.1	38.73N	7.56W	2	3.1		
NEIC	VI 13 22 21 20.2	38.65N	7.09W	10			
LIS	Felt I=II MM Borba						
NEIC	mbLg3.0(MDD), Single network solution.						
LIS	**VI 14 09 28 44**	**37.37N**	**9.83W**		**2.2L**		¶97vi2109
ISC	**VI 14 12 19 32**±1.3	**37.2N**±.12	**8.55W**±.079	**0**		**5**	**0-0**
LIS	VI 14 12 19 23	37.17N	8.57W		1.0L		¶97vi2127
LIS	**VI 16 03 40 55**	**37.28N**	**9.15W**		**2.1L**		¶97vi2401
MDD	**VI 17 03 49 08.4**	**37.40N**	**7.57W**	**9**	**2.7**		¶97vi2546
LIS	VI 17 03 49 03	36.72N	7.45W		1.6L		
ISC	**VI 17 15 58 21**±2.6	**37.1N**±.18	**8.2W**±.12	**0**		**4**	**0-0**
LIS	VI 17 15 58 20	37.08N	8.23W		1.0L		¶97vi2657
ISC	Poorly determined						
LIS	**VI 19 10 11 56**	**37.23N**	**9.17W**		**1.7L**		¶97vi2895
LIS	**VI 21 23 28 37**	**37.25N**	**9.07W**		**0.8L**		¶97vi3289
ISC	**VI 24 18 20 44**±1.7	**38.57N**±.076	**8.0W**±.10	**4**±14		**12**	**0-2**
MDD	VI 24 18 20 44.9	38.60N	8.04W	3	3.1		¶97vi3764
LIS	VI 24 18 20 45	38.62N	8.02W		1.9L		
ISC	**VI 25 19 08 23**±1.1	**37.32N**±.098	**8.51W**±.098	**12**		**5**	**0-0**
LIS	VI 25 19 08 24	37.33N	8.52W	12	0.8L		¶97vi4010
ISC	**VI 26 15 56 02**±1.2	**37.2N**±.14	**8.1W**±.12	**15**		**6**	**0-0**
LIS	VI 26 15 56 02	37.22N	8.03W	15	1.4L		¶97vi4167
ISC	Poorly determined						
LIS	**VI 28 02 03 14.2**	**37.12N**	**8.40W**		**1.3L**		¶97vi4397
ISC	**VI 29 09 19 51**±1.2	**37.30N**±.091	**8.5W**±.10	**0**		**4**	**0-0**
LIS	VI 29 09 19 50	37.32N	8.57W		0.8L		¶97vi4599
ISC	Poorly determined						
ISC	**VI 30 19 55 31**±1.0	**37.32N**±.079	**8.50W**±.079	**0**		**6**	**0-0**
LIS	VI 30 19 55 31	37.33N	8.50W		1.0L		¶97vi4816

(377) Spain.

ISC	**I 01 08 54 27**±4.6	**37.1N**±.43	**4.1W**±.58	**23**		**4**	**0-1**
MDD	I 01 08 54 27.6	37.07N	4.16W	23	2.0		¶97i0047
ISC	Poorly determined						
ISC	**I 01 09 23 40**±5.6	**37.1N**±.26	**4.3W**±.46	**20**±18		**6**	**0-2**
NEIC	I 01 09 23 40.4	37.11N	4.28W	15			¶97i0050
MDD	I 01 09 23 41.2	37.15N	4.29W	8	2.3		
NEIC	mbLg2.3(MDD), Single network solution.						
ISC	**I 01 11 54 50**±3.2	**37.1N**±.15	**4.2W**±.27	**11**±9.2		**7**	**0-1**
MDD	I 01 11 54 50.3	37.14N	4.26W	7	2.3		¶97i0071
ISC	**I 01 15 41 28**±1.5	**37.2N**±.11	**4.3W**±.13	**11**±8.6		**8**	**0-1**
NEIC	I 01 15 41 28.2	37.17N	4.25W	10			¶97i0087
MDD	I 01 15 41 29.1	37.15N	4.23W	8	2.7		
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**I 02 16 16 12.2**±.91	**37.19N**±.071	**4.22W**±.077	**12**±6.6		**13**	**0-3**
NEIC	I 02 16 16 12.1	37.17N	4.23W	10			¶97i0241
MDD	I 02 16 16 13.3	37.15N	4.22W	8	3.1		
NEIC	mbLg3.0(MDD), Single network solution.						
ISC	**I 02 17 28 34**±5.5	**37.1N**±.26	**4.2W**±.39	**9**		**4**	**0-1**
MDD	I 02 17 28 35.6	37.16N	4.20W	9	2.3		¶97i0254
ISC	Poorly determined						
ISC	**I 03 03 08 59**±2.4	**37.2N**±.14	**4.2W**±.23	**9**		**4**	**0-1**
MDD	I 03 03 09 00.0	37.16N	4.18W	9	2.1		¶97i0306
ISC	Poorly determined						
ISC	**I 04 09 42 08.6**±.93	**37.22N**±.078	**3.72W**±.077	**10**		**6**	**0-1**
NEIC	I 04 09 42 08.7	37.21N	3.71W	10			¶97i0517
MDD	I 04 09 42 09.7	37.21N	3.70W		2.4		
NEIC	mbLg2.3(MDD), Single network solution.						
ISC	**I 06 11 10 54**±1.4	**42.24N**±.085	**8.1W**±.11	**3**±24		**7**	**0-1**
MDD	I 06 11 10 55.0	42.24N	8.07W	6	2.9		¶97i0779
ISC	**I 06 21 56 57.9**±.59	**37.42N**±.061	**4.04W**±.067	**26**±8.4		**15**	**0-3**
NEIC	I 06 21 56 57.7	37.38N	4.04W	33			¶97i0836
MDD	I 06 21 56 58.7	37.42N	4.05W	15	3.1		
NEIC	mbLg3.0(MDD), Single network solution.						
ISC	**I 07 21 20 33**±1.9	**37.0N**±.12	**4.3W**±.12	**10**		**10**	**0-2**
NEIC	I 07 21 20 33.4	37.00N	4.28W	10			¶97i0978
MDD	I 07 21 20 34.4	37.02N	4.28W	3	2.9		
NEIC	mbLg2.9(MDD), Single network solution.						
ISC	**I 07 21 23 17**±7.4	**37.1N**±.37	**4.2W**±.60	**9**		**4**	**0-1**
MDD	I 07 21 23 17.8	37.07N	4.21W	9	1.8		¶97i0979
ISC	Poorly determined						
ISC	**I 09 02 50 56.0**±.58	**41.96N**±.044	**0.64E**±.061	**2**		**17**	**0-3**
LDG	I 09 02 50 56.5	41.9N	0.7E	2	2.9L		¶97i1157
MDD	I 09 02 50 57.9	41.92N	0.66E	2	2.9		
ISC	**I 09 05 28 55**±7.3	**37.0N**±.34	**4.2W**±.40	**0**		**4**	**0-1**
MDD	I 09 05 28 55.5	37.01N	4.22W		2.5		¶97i1174
ISC	Poorly determined						
ISC	**I 09 06 47 40.5**±.83	**41.96N**±.055	**0.6E**±.10	**0**		**8**	**1-2**
LDG	I 09 06 47 40.1	41.8N	0.7E		2.4L		¶97i1179
MDD	I 09 06 47 42.9	41.92N	0.63E		2.7		
ISC	**I 09 07 03 18.3**±.54	**41.96N**±.040	**0.64E**±.056	**2**		**20**	**0-3**
LDG	I 09 07 03 18.7	41.9N	0.7E	2	3.0L		¶97i1182
MDD	I 09 07 03 20.2	41.92N	0.64E	2	3.1		
ISC	**I 09 12 07 04**±1.6	**37.3N**±.12	**3.3W**±.17	**10**		**5**	**0-2**
MDD	I 09 12 07 05.2	37.26N	3.30W	10	2.7		¶97i1210
ISC	**I 09 12 30 10**±1.2	**40.66N**±.081	**6.5W**±.14	**0**		**5**	**1-1**
LIS	I 09 12 30 10	40.68N	6.42W		2.0L		¶97i1216
MDD	I 09 12 30 11.3	40.68N	6.47W		2.4		
ISC	**I 10 20 30 53**±2.7	**37.2N**±.27	**4.2W**±.43	**15**		**4**	**0-1**
MDD	I 10 20 30 53.0	37.15N	4.19W	15	2.2		¶97i1418
ISC	Poorly determined						
ISC	**I 11 16 57 49**±1.5	**37.0N**±.16	**4.2W**±.20	**11**±30		**6**	**0-1**
NEIC	I 11 16 57 49.2	37.05N	4.16W	10			¶97i1548
MDD	I 11 16 57 49.8	36.97N	4.21W		2.5		
NEIC	mbLg2.5(MDD), Single network solution.						
MDD	**I 12 02 47 13.6**	**37.10N**	**4.29W**	**9**	**2.2**		¶97i1615
ISC	**I 12 02 50 11**±6.8	**37.1N**±.29	**4.3W**±.41	**2**		**5**	**0-2**
MDD	I 12 02 50 13.0	37.11N	4.30W	2	2.4		¶97i1616
NEIC	I 12 02 50 13.7	37.20N	4.19W	5			
NEIC	mbLg2.2(MDD), Single network solution.						
ISC	**I 12 08 32 56**±1.2	**37.39N**±.056	**2.14W**±.072	**8**±10		**27**	**0-5**
NEIC	I 12 08 32 56.5	37.38N	2.11W	10			¶97i1650
LIS	I 12 08 32 57	37.35N	2.07W		2.6L		
MDD	I 12 08 32 57.8	37.32N	2.05W	12	3.4		
NEIC	mbLg3.5(MDD). Single network solution.						
MDD	Felt I=III–IV MSK, south Albox						
ISC	**I 13 01 38 36**±1.2	**37.06N**±.096	**3.6W**±.16	**13**		**4**	**0-0**
MDD	I 13 01 38 36.5	37.07N	3.66W	13	2.1		¶97i1764
ISC	Poorly determined						
ISC	**I 13 09 02 36**±2.4	**37.16N**±.091	**3.74W**±.097	**9**±41		**6**	**0-1**
NEIC	I 13 09 02 36.5	37.14N	3.75W	10			¶97i1810
MDD	I 13 09 02 36.9	37.14N	3.72W	9	2.7		

NEIC mbLg2.6(MDD), Single network solution.
ISC I 14 19 09 45±1.4 **40.7N**±.12 **4.0W**±.35 **11**±22 **7 0-3**
NEIC I 14 19 09 42.9 40.84N 4.29W 10 **¶97i2041**
MDD I 14 19 09 46.0 40.70N 4.03W 9 2.8
NEIC mbLg2.8(MDD), Single network solution.
MDD I 16 00 31 14.7 37.88N 1.29W 6 2.9 ¶97i2228
ISC I 16 23 29 06±4.2 **37.8N**±.13 **1.1W**±.34 **10 5 0-4**
NEIC I 16 23 29 07.1 37.86N 1.09W 10 **¶97i2374**
MDD I 16 23 29 36.3 37.84N 1.40W 4 2.7
NEIC mbLg2.9(MDD), Poor solution.
ISC I 17 03 44 58±2.1 **37.3N**±.16 **3.8W**±.12 **9 4 0-0**
MDD I 17 03 44 58.6 37.27N 3.82W 9 2.2 **¶97i2397**
ISC Poorly determined
ISC I 17 23 51 08±1.2 **37.3N**±.11 **3.9W**±.12 **15 4 0-0**
MDD I 17 23 51 08.4 37.25N 3.94W 15 2.1 **¶97i2564**
ISC Poorly determined
ISC I 18 12 38 44±1.2 **42.7N**±.10 **8.3W**±.14 **19 4 0-1**
MDD I 18 12 38 44.6 42.63N 8.30W 19 3.2 **¶97i2656**
ISC Poorly determined
ISC I 18 17 51 01±1.6 **42.82N**±.083 **7.2W**±.19 **2 4 0-1**
MDD I 18 17 51 01.9 42.80N 7.22W 2 2.2 **¶97i2694**
ISC Poorly determined
ISC I 18 18 39 06±1.7 **42.84N**±.096 **7.2W**±.22 **0**±32 **5 0-1**
MDD I 18 18 39 06.3 42.84N 7.22W 6 2.8 **¶97i2701**
ISC Poorly determined
MDD I 18 18 39 19.7 42.81N 7.19W 2.5 ¶97i2702
ISC I 18 18 42 35±1.2 **42.84N**±.071 **7.2W**±.15 **0 6 0-60**
MDD I 18 18 42 36.3 42.83N 7.22W 3.0 **¶97i2703**
MDD I 18 19 21 40.8 42.83N 7.18W 2.6 ¶97i2707
ISC I 20 00 16 21.8±.55 **41.94N**±.042 **0.61E**±.057 **2 23 0-4**
NEIC I 20 00 16 21.6 42.00N 0.25E 10 **¶97i2911**
LDG I 20 00 16 22.5 41.8N 0.6E 2 3.0L
MDD I 20 00 16 23.6 41.91N 0.65E 2 3.0
NEIC mbLg3.0(MDD).
MDD I 20 04 05 11.7 42.84N 7.18W 5 2.8 ¶97i2938
ISC I 23 12 53 45.9±.64 **37.12N**±.063 **3.84W**±.058 **7**±10 **11 0-2**
NEIC I 23 12 53 45.9 37.11N 3.86W 10 **¶97i3500**
MDD I 23 12 53 46.7 37.11N 3.84W 6 3.0
NEIC mbLg3.0(MDD), Single network solution.
ISC I 24 01 26 15±1.8 **38.21N**±.040 **6.42W**±.048 **9**±15 **40 1-5**
NEIC I 24 01 26 15.0 38.21N 6.43W 10 **¶97i3577**
MDD I 24 01 26 16.0 38.20N 6.45W 3 3.4
LIS I 24 01 26 16 38.23N 6.45W 4 3.1L
NEIC mbLg3.4(MDD)
MDD Felt I=II−III MSK, Fuente de Cantos
ISC I 24 04 10 09±1.0 **37.18N**±.086 **3.64W**±.097 **6 5 0-0**
MDD I 24 04 10 09.3 37.16N 3.62W 6 2.5 **¶97i3591**
ISC I 24 15 44 53.5±.86 **37.08N**±.080 **4.10W**±.070 **11**±8.0 **10 0-2**
NEIC I 24 15 44 53.0 37.03N 4.14W 12 **¶97i3663**
MDD I 24 15 44 54.4 37.10N 4.12W 8 2.8
NEIC mbLg2.8(MDD), Single network solution.
ISC I 24 15 46 42±4.0 **37.1N**±.26 **4.1W**±.36 **4 5 0-1**
MDD I 24 15 46 42.7 37.07N 4.10W 4 2.2 **¶97i3664**
ISC Poorly determined
ISC I 24 20 59 38±8.2 **41.2N**±.49 **0.5E**±.30 **4 10 1-4**
MDD I 24 20 59 50.2 41.87N 0.60E 4 2.0 **¶97i3687**
LDG I 24 20 59 50.2 41.8N 0.6E 15 2.2L
ISC I 25 07 16 27.1±.99 **37.55N**±.065 **3.80W**±.092 **6**±16 **8 0-1**
NEIC I 25 07 16 27.5 37.53N 3.78W 5 **¶97i3767**
MDD I 25 07 16 28.0 37.56N 3.80W 3 2.4
NEIC mbLg2.4(MDD), Single network solution.
ISC I 25 16 06 58±2.0 **37.38N**±.081 **2.2W**±.24 **4 4 0-1**
MDD I 25 16 06 58.9 37.37N 2.08W 4 2.7 **¶97i3829**
ISC Poorly determined
MDD I 28 18 51 38.5 37.84N 1.34W 6 2.7 ¶97i4242
MDD I 28 19 55 12.6 39.40N 0.85W 5 2.7 ¶97i4253
ISC I 29 01 58 34±1.4 **42.82N**±.084 **7.3W**±.17 **4**±19 **7 0-2**
MDD I 29 01 58 35.1 42.81N 7.20W 9 2.8 **¶97i4282**
ISC I 29 01 58 48.1±.89 **42.91N**±.041 **7.17W**±.087 **31**±11 **34 1-11**
NEIC I 29 01 58 46.0 42.92N 7.16W 10 **¶97i4283**
MDD I 29 01 58 48.7 42.82N 7.25W 17 3.2
LDG I 29 01 58 52.6 43.1N 7.0W 2 3.4L
NEIC mbLg3.6(MDD)
MDD Felt I=II−III MSK, Sarria−Becerrea
ISC I 29 04 42 32.7±.72 **37.33N**±.050 **4.46W**±.055 **32**±8.3 **20 0-4**
NEIC I 29 04 42 31.9 37.35N 4.51W 20 **¶97i4306**
MDD I 29 04 42 33.4 37.33N 4.47W 25 3.2
NEIC mbLg3.1(MDD), Single network solution.
MDD Felt I=II MSK, Rute
ISC II 01 16 17 10±1.1 **41.54N**±.065 **1.0E**±.10 **3 13 0-2**
MDD II 01 16 17 11.2 41.48N 1.11E 3 2.8 **¶97ii0100**
LDG II 01 16 17 11.6 41.6N 1.1E 2 2.5L
ISC II 01 22 55 38.1±.61 **37.20N**±.053 **3.71W**±.056 **5 11 0-2**
NEIC II 01 22 55 38.1 37.20N 3.72W 5 **¶97ii0135**
MDD II 01 22 55 39.0 37.19N 3.69W 2 2.6
NEIC mbLg2.5(MDD), Single network solution.
ISC II 02 01 08 00±1.7 **41.50N**±.075 **1.2E**±.15 **2 11 0-3**
MDD II 02 01 08 01.6 41.48N 1.14E 2 2.8 **¶97ii0152**
LDG II 02 01 08 03.4 41.6N 1.1E 2 2.2L
ISC II 02 05 54 43±5.9 **41.0N**±.32 **1.2E**±.23 **2 8 1-3**
LDG II 02 05 54 52.9 41.5N 1.1E 2 2.0L **¶97ii0181**
MDD II 02 05 54 55.9 41.54N 1.04E 3 2.5
ISC II 02 07 14 45±1.1 **41.52N**±.066 **1.1E**±.10 **2 13 0-3**
MDD II 02 07 14 46.8 41.49N 1.13E 2 2.7 **¶97ii0187**
LDG II 02 07 14 47.7 41.6N 1.1E 2 2.2L
ISC II 02 08 54 46.6±.88 **41.52N**±.058 **1.04E**±.080 **2 22 0-3**
MDD II 02 08 54 47.7 41.47N 1.12E 2 3.0 **¶97ii0199**
LDG II 02 08 54 47.9 41.5N 1.1E 2 2.6L
ISC II 02 10 19 04±1.8 **41.52N**±.087 **0.7E**±.21 **12**±16 **9 0-2**
LDG II 02 10 19 02.9 41.5N 1.1E 2 2.1L **¶97ii0208**
MDD II 02 10 19 03.0 41.47N 1.09E 2 2.5
LDG II 02 11 55 06.7 41.6N 1.1E 2 2.0L ¶97ii0216
ISC II 02 12 23 04±3.4 **41.6N**±.22 **1.1E**±.11 **2 16 0-3**
LDG II 02 12 23 03.4 41.5N 1.1E 2 2.5L **¶97ii0218**
MDD II 02 12 23 04.2 41.47N 1.14E 2 2.8
ISC II 02 13 21 16±1.6 **41.52N**±.077 **1.2E**±.15 **6 9 0-2**
MDD II 02 13 21 18.0 41.48N 1.07E 6 2.6 **¶97ii0226**
LDG II 02 13 21 18.8 41.6N 1.1E 2 2.1L
ISC II 02 22 16 27.7±.87 **37.15N**±.077 **3.72W**±.083 **3**±15 **8 0-2**
NEIC II 02 22 16 27.8 37.12N 3.72W 10 **¶97ii0288**
MDD II 02 22 16 28.5 37.14N 3.70W 3 2.8
NEIC mbLg2.7(MDD), Single network solution.
ISC II 03 15 21 56±1.4 **41.56N**±.088 **1.1E**±.16 **4 8 0-1**
MDD II 03 15 21 56.2 41.52N 1.14E 4 2.7 **¶97ii0394**
ISC II 03 18 49 42.7±.95 **41.50N**±.064 **1.04E**±.090 **2 19 0-4**
LDG II 03 18 49 42.9 41.5N 1.1E 2 2.6L **¶97ii0410**
MDD II 03 18 49 44.3 41.50N 1.08E 2 3.1
ISC II 03 22 09 55.4±.86 **42.92N**±.027 **7.24W**±.057 **31**±9.8 3.4b **83 1-68**
NEIC II 03 22 09 55.4 42.92N 7.19W 23 **¶97ii0430**
EIDC II 03 22 09 55.7 42.9N 6.9W 0 3.9L,3.6b
MDD II 03 22 09 56.6 42.83N 7.27W 8 3.6
LIS II 03 22 09 57 42.78N 7.25W 9 4.0L
LDG II 03 22 09 59.6 43.1N 7.1W 2 3.9L
STR II 03 22 10 03.0 43.39N 6.72W 10 4.1L
NEIC mblg 3.6 (MDD)
MDD Felt I=IV−V MSK, Sarria−Becerrea
ISC II 03 22 21 01±1.4 **42.83N**±.087 **7.2W**±.21 **7 4 0-1**
MDD II 03 22 21 02.7 42.79N 7.24W 7 3.0 **¶97ii0433**
ISC Poorly determined
ISC II 04 06 56 40.8±.93 **41.52N**±.058 **1.02E**±.088 **2 19 0-3**
LDG II 04 06 56 41.0 41.5N 1.2E 2 2.5L **¶97ii0482**
MDD II 04 06 56 42.1 41.49N 1.09E 2 3.0
ISC II 04 11 16 08±1.6 **42.78N**±.092 **7.3W**±.19 **12 4 0-1**
MDD II 04 11 16 08.6 42.79N 7.23W 12 3.3 **¶97ii0511**
ISC Poorly determined
ISC II 04 11 17 00±1.8 **42.82N**±.093 **7.2W**±.23 **12 4 0-1**
MDD II 04 11 17 01.6 42.78N 7.24W 12 3.2 **¶97ii0512**
ISC Poorly determined
ISC II 04 13 45 06±1.0 **42.95N**±.029 **7.22W**±.049 **15**±10 **3.8b 88 0-69**
EIDC II 04 13 45 06.6 43.0N 6.9W 0 3.8b,4.1L **¶97ii0529**
NEIC II 04 13 45 07.5 42.93N 7.20W 22
LIS II 04 13 45 09 42.82N 7.28W 14 4.1L
MDD II 04 13 45 09.3 42.86N 7.30W 17 3.9
LDG II 04 13 45 11.0 43.1N 7.1W 2 4.2L
STR II 04 13 45 32.6 43.66N 6.06W 10 3.8L
NEIC mbLg4.2(MDD)
MDD Felt I=IV−V MSK, Sarria−Becerrea
ISC II 04 13 47 56±1.4 **42.82N**±.084 **7.3W**±.16 **1**±19 **8 0-4**
MDD II 04 13 47 57.1 42.81N 7.26W 3 3.6 **¶97ii0531**
ISC II 04 13 49 49±3.0 **42.8N**±.12 **7.0W**±.31 **46**±62 **5 0-2**
MDD II 04 13 49 50.6 42.81N 7.07W 25 3.4 **¶97ii0532**
ISC Poorly determined
ISC II 04 13 51 11±1.7 **42.82N**±.084 **7.2W**±.20 **8 4 0-1**
MDD II 04 13 51 11.8 42.80N 7.22W 8 3.2 **¶97ii0534**
ISC Poorly determined
ISC II 04 13 55 40±1.6 **42.80N**±.084 **7.3W**±.19 **4 5 0-2**
NEIC II 04 13 55 39.7 42.80N 7.16W 20 **¶97ii0536**
MDD II 04 13 55 40.5 42.79N 7.25W 4 3.5
ISC Poorly determined
NEIC mbLg3.5(MDD), Poor solution.
ISC II 08 01 58 11±1.4 **42.82N**±.083 **7.2W**±.17 **4**±18 **8 0-2**
MDD II 08 01 58 12.0 42.83N 7.25W 4 3.3 **¶97ii1072**
LIS II 08 01 58 12 42.83N 7.20W 2.5L
MDD Felt I=II−III MSK, Sarria−Becerrea
LDG II 08 11 02 35.4 41.3N 1.2E 2 2.2L ¶97ii1129
ISC II 09 07 08 17±1.1 **42.94N**±.081 **7.1W**±.17 **5 5 1-3**
MDD II 09 07 08 18.1 42.92N 7.18W 5 3.3 **¶97ii1275**
ISC II 09 21 08 04±6.6 **37.6N**±.29 **3.7W**±.52 **19 4 0-1**
MDD II 09 21 08 05.8 37.56N 3.85W 19 2.4 **¶97ii1364**
ISC Poorly determined
ISC II 10 02 52 14.3±.58 **37.85N**±.046 **3.47W**±.056 **2 15 0-3**
NEIC II 10 02 52 14.3 37.84N 3.49W 10 **¶97ii1403**
MDD II 10 02 52 15.3 37.85N 3.50W 2 2.5
NEIC mbLg2.5(MDD), Single network solution.
ISC II 10 21 45 31.8±.58 **37.07N**±.051 **4.14W**±.049 **3 14 0-2**
NEIC II 10 21 45 30.9 37.02N 4.18W 10 **¶97ii1526**
MDD II 10 21 45 33.0 37.07N 4.16W 3 2.8
NEIC mbLg2.8(MDD), Single network solution.
ISC II 10 22 49 19±2.1 **37.10N**±.087 **3.4W**±.24 **7 4 0-0**
MDD II 10 22 49 19.0 37.12N 3.43W 7 2.0 **¶97ii1542**
ISC Poorly determined
ISC II 14 02 17 00±1.4 **37.2N**±.11 **3.7W**±.13 **10 4 0-0**
NEIC II 14 02 17 00.1 37.22N 3.67W 10 **¶97ii2005**
MDD II 14 02 17 00.5 37.26N 3.69W 2.1
ISC Poorly determined
NEIC mbLg2.0(MDD), Poor solution.
ISC II 17 02 34 00±1.8 **37.71N**±.094 **3.4W**±.15 **3**±21 **5 0-1**
NEIC II 17 02 34 00.2 37.71N 3.41W 10 **¶97ii2447**
MDD II 17 02 34 01.1 37.73N 3.41W 2 2.5
ISC Poorly determined
NEIC mbLg2.5(MDD), Single network solution.
ISC II 20 21 18 05.8±.89 **37.55N**±.058 **2.78W**±.067 **5**±11 **14 0-3**
NEIC II 20 21 18 06.0 37.55N 2.78W 10 **¶97ii2976**
MDD II 20 21 18 07.1 37.58N 2.76W 3 2.8
NEIC mbLg2.7(MDD), Single network solution.
ISC II 21 06 07 40±1.2 **37.59N**±.053 **2.77W**±.062 **12**±11 **17 0-4**
NEIC II 21 06 07 39.7 37.59N 2.76W 10 **¶97ii3027**
MDD II 21 06 07 40.8 37.57N 2.73W 7 3.1
NEIC mbLg2.9(MDD). Single network solution.
NEIC Felt I=III MM in the Baza area.
LDG II 23 02 42 58.7 42.9N 2.1W 2 1.9L ¶97ii3282
ISC II 23 15 13 31±1.1 **42.79N**±.089 **6.8W**±.14 **10 5 0-3**
NEIC II 23 15 13 31.4 42.79N 6.78W 10 **¶97ii3341**
MDD II 23 15 13 33.3 42.79N 6.79W 9 3.3
NEIC mbLg2.8(MDD), Single network solution.
ISC II 23 17 06 34±1.3 **37.74N**±.082 **3.9W**±.18 **10 4 0-1**
NEIC II 23 17 06 34.0 37.74N 3.87W 10 **¶97ii3349**
MDD II 23 17 06 34.8 37.77N 3.82W 19 2.7
ISC Poorly determined
NEIC mbLg2.7(MDD), Poor solution.
ISC II 24 02 51 21±1.3 **37.87N**±.071 **2.6W**±.14 **5 7 0-1**
NEIC II 24 02 51 20.6 37.85N 2.59W 5 **¶97ii3411**
MDD II 24 02 51 21.8 37.86N 2.60W 3 2.5
NEIC mbLg2.5(MDD), Single network solution.
ISC II 24 07 09 50.1±.50 **37.05N**±.027 **3.82W**±.027 **14**±3.6 **4.2b 144 0-151**
BJI II 24 07 09 42.9 36.14N 3.98W 10 4.7b **¶97ii3435**
MOS II 24 07 09 47.0 36.7N 3.9W 10 4.4b
RBA II 24 07 09 48.1 37.33N 3.64W 30 4.1D
NEIC II 24 07 09 49.7 37.08N 3.85W 10 4.4b
EIDC II 24 07 09 49.9 37.0N 3.8W 0 4.1b,4.1L
LDG II 24 07 09 50.6 37.0N 4.1W 2 4.6L
MDD II 24 07 09 51.6 37.02N 3.83W 6 4.3

Agency	Origin Time (mo d h m s)	φ (°)	λ (°)	h (km)	Mag	n	Δ-Rng (°)
LIS	II 24 07 09 52	37.03N	3.85W		4.6L		
NEIC	mbLg4.3(MDD)						
NEIC	Felt I=V MM in the Ventas de Huelma area.						
MDD	Felt I=IV MSK, Agron						
ISC	**II 24 07 16 30.1**±.86	**37.04N**±.086	**3.83W**±.068	**3**±9.8		**10**	**0-2**
NEIC	II 24 07 16 29.4	36.99N	3.84W	10			**¶97ii3436**
MDD	II 24 07 16 30.7	37.02N	3.80W	5	3.0		
NEIC	mbLg3.1(MDD), Single network solution.						
ISC	**II 24 07 30 41**±1.2	**37.0N**±.11	**3.8W**±.13	**10**		**4**	**0-0**
NEIC	II 24 07 30 40.5	37.03N	3.78W	10			**¶97ii3440**
MDD	II 24 07 30 41.0	37.03N	3.82W	9	2.3		
ISC	Poorly determined						
NEIC	mbLg2.2(MDD), Poor solution.						
ISC	**II 24 07 41 42**±1.6	**37.0N**±.11	**3.8W**±.11	**10**±15		**6**	**0-1**
NEIC	II 24 07 41 41.7	37.03N	3.84W	10			**¶97ii3441**
MDD	II 24 07 41 42.4	37.02N	3.84W	9	2.6		
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**II 24 07 43 47**±1.5	**37.0N**±.11	**3.8W**±.10	**7**±16		**6**	**0-1**
NEIC	II 24 07 43 46.4	37.02N	3.84W	10			**¶97ii3442**
MDD	II 24 07 43 47.0	37.01N	3.84W	9	2.8		
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**II 24 11 01 36**±1.2	**37.0N**±.11	**3.8W**±.12	**10**		**4**	**0-0**
NEIC	II 24 11 01 35.6	37.04N	3.80W	10			**¶97ii3464**
MDD	II 24 11 01 36.2	37.05N	3.77W	8	2.1		
ISC	Poorly determined						
NEIC	mbLg2.1(MDD), Poor solution.						
ISC	**II 24 23 17 05**±2.9	**37.0N**±.12	**3.8W**±.12	**13**±26		**5**	**0-0**
NEIC	II 24 23 17 04.8	37.03N	3.81W	10			**¶97ii3552**
MDD	II 24 23 17 05.4	37.02N	3.82W	9	2.2		
ISC	Poorly determined						
NEIC	mbLg2.2(MDD), Single network solution.						
ISC	**II 25 19 22 01**±3.8	**41.6N**±.20	**2.7E**±.23	**2**		**13**	**0-3**
MDD	II 25 19 22 02.5	41.62N	2.69E	2	2.7		**¶97ii3676**
LDG	II 25 19 22 05.6	41.7N	2.5E	2	2.6L		
ISC	**II 25 19 48 47**±2.8	**37.0N**±.12	**3.8W**±.12	**13**±27		**5**	**0-0**
NEIC	II 25 19 48 46.8	37.05N	3.80W	10			**¶97ii3683**
MDD	II 25 19 48 47.2	37.03N	3.82W	12	2.2		
ISC	Poorly determined						
NEIC	mbLg2.1(MDD), Single network solution.						
ISC	**II 25 21 55 28**±1.3	**37.1N**±.10	**3.8W**±.12	**10**		**4**	**0-0**
NEIC	II 25 21 55 28.2	37.09N	3.82W	10			**¶97ii3698**
MDD	II 25 21 55 28.8	37.08N	3.80W	8	1.6		
ISC	Poorly determined						
NEIC	mbLg1.2(MDD), Poor solution.						
ISC	**II 25 21 59 52.3**±.90	**37.55N**±.057	**2.71W**±.091	**5**±13		**9**	**0-2**
NEIC	II 25 21 59 52.6	37.54N	2.67W	10			**¶97ii3700**
MDD	II 25 21 59 53.4	37.50N	2.63W	9	2.8		
NEIC	mbLg2.9(MDD), Single network solution.						
ISC	**II 26 20 02 42**±1.1	**37.03N**±.098	**3.8W**±.11	**10**		**5**	**0-1**
NEIC	II 26 20 02 42.1	37.02N	3.78W	10			**¶97ii3846**
MDD	II 26 20 02 42.9	37.02N	3.80W	8	1.9		
NEIC	mbLg2.2(MDD), Single network solution.						
ISC	**II 27 03 10 03**±1.4	**37.05N**±.090	**3.68W**±.098	**10**±16		**6**	**0-1**
NEIC	II 27 03 10 02.9	37.05N	3.68W	10			**¶97ii3898**
MDD	II 27 03 10 03.5	37.03N	3.67W	9	2.8		
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**II 27 03 11 13**±3.2	**37.22N**±.085	**3.7W**±.12	**9**±50		**6**	**0-1**
NEIC	II 27 03 11 13.1	37.22N	3.68W	10			**¶97ii3899**
MDD	II 27 03 11 14.0	37.21N	3.69W		2.1		
NEIC	mbLg1.8(MDD), Single network solution.						
ISC	**II 27 03 18 07**±1.4	**37.5N**±.23	**4.5W**±.22	**32**±13		**5**	**0-1**
NEIC	II 27 03 18 06.8	37.52N	4.50W	33			**¶97ii3900**
MDD	II 27 03 18 07.6	37.48N	4.53W	25	2.7		
ISC	Poorly determined						
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**II 28 04 02 07**±1.3	**37.0N**±.12	**3.8W**±.12	**10**		**4**	**0-0**
NEIC	II 28 04 02 07.2	37.05N	3.85W	10			**¶97ii4125**
MDD	II 28 04 02 07.8	37.07N	3.82W	8	2.2		
ISC	Poorly determined						
NEIC	mbLg2.2(MDD), Poor solution.						
ISC	**II 28 13 35 28**±1.1	**37.50N**±.066	**1.92W**±.085	**9**±9.3	3.3b	**17**	**1-67**
NEIC	II 28 13 35 27.5	37.49N	1.92W	10			**¶97ii4259**
MDD	II 28 13 35 28.4	37.46N	1.89W	3	3.1		
NEIC	mbLg3.1(MDD), Single network solution.						
ISC	**III 01 00 45 41**±1.1	**37.10N**±.088	**4.21W**±.084	**5**		**6**	**0-1**
MDD	III 01 00 45 41.4	37.13N	4.19W	17	2.2		**¶97iii0005**
NEIC	III 01 00 45 41.4	37.01N	4.22W	5			
NEIC	mbLg2.3(MDD), Single network solution.						
ISC	**III 01 18 33 25**±1.1	**37.05N**±.097	**3.85W**±.087	**18**±12		**9**	**0-2**
NEIC	III 01 18 33 25.7	37.06N	3.86W	10			**¶97iii0160**
MDD	III 01 18 33 26.2	37.05N	3.85W	13	2.9		
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**III 02 08 28 32.7**±.81	**38.99N**±.061	**2.9W**±.11	**10**		**9**	**0-3**
NEIC	III 02 08 28 32.7	38.99N	2.89W	10			**¶97iii0265**
MDD	III 02 08 28 33.0	39.01N	2.85W	2	3.2		
NEIC	mbLg3.0(MDD), Single network solution.						
ISC	**III 04 09 58 36**±1.2	**37.0N**±.11	**3.8W**±.12	**10**		**4**	**0-0**
NEIC	III 04 09 58 35.5	37.04N	3.77W	10			**¶97iii0825**
MDD	III 04 09 58 36.5	37.05N	3.74W	4	2.3		
ISC	Poorly determined						
NEIC	mbLg2.2(MDD), Poor solution.						
ISC	**III 05 12 40 24.2**±.63	**41.74N**±.043	**2.07E**±.055	**2**		**31**	**0-5**
LDG	III 05 12 40 24.6	41.7N	2.1E	2	3.1L		**¶97iii1060**
FBR	III 05 12 40 25.2	41.71N	2.07E	3	2.5D		
NEIC	III 05 12 40 25.6	41.77N	2.18E	10			
MDD	III 05 12 40 25.9	41.71N	2.07E	1	3.2		
FBR	Felt I=III MSK Manresa						
NEIC	mbLg3.0(MDD).						
ISC	**III 06 03 16 45**±1.0	**37.82N**±.074	**2.6W**±.13	**9**±10		**8**	**0-1**
NEIC	III 06 03 16 45.2	37.88N	2.56W	5			**¶97iii1178**
MDD	III 06 03 16 45.5	37.82N	2.59W	6	2.4		
NEIC	mbLg2.4(MDD), Single network solution.						
ISC	**III 06 03 40 15**±1.0	**37.84N**±.057	**2.6W**±.11	**10**±8.1		**13**	**0-4**
MDD	III 06 03 40 15.6	37.81N	2.54W	5	2.7		**¶97iii1180**
NEIC	III 06 03 40 15.9	37.88N	2.55W	10			
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**III 06 16 57 11**±1.2	**37.8N**±.16	**6.59W**±.099	**4**		**9**	**0-2**
MDD	III 06 16 57 12.8	37.66N	6.56W	4	3.2		**¶97iii1315**
ISC	**III 06 18 16 05**±5.0	**42.1N**±.16	**8.7W**±.82	**27**±28		**5**	**0-4**
MDD	III 06 18 16 05.6	42.22N	8.76W	22	2.8		**¶97iii1328**
ISC	Poorly determined						
MDD	**III 07 16 46 02.0**	**37.84N**	**0.56W**	**17**	**2.8**		**¶97iii1551**
ISC	**III 07 21 40 55**±2.9	**37.0N**±.12	**3.8W**±.12	**13**±28		**5**	**0-0**
NEIC	III 07 21 40 54.7	37.05N	3.83W	10			**¶97iii1610**
MDD	III 07 21 40 55.3	37.03N	3.84W	10	2.2		
ISC	Poorly determined						
NEIC	mbLg2.2(MDD), Single network solution.						
MDD	**III 07 23 38 41.5**	**37.68N**	**2.63W**		**3.0**		**¶97iii1624**
LDG	**III 08 11 49 29.4**	**41.2N**	**1.2E**	**2**	**2.2L**		**¶97iii1741**
ISC	**III 09 04 16 30**±1.5	**37.91N**±.084	**2.5W**±.18	**6**±11		**12**	**0-3**
NEIC	III 09 04 16 31.2	37.91N	2.56W	5			**¶97iii1902**
MDD	III 09 04 16 31.6	37.88N	2.56W	1	2.6		
NEIC	mbLg2.6(MDD), Single network solution.						
ISC	**III 11 00 12 16**±1.1	**37.08N**±.080	**3.6W**±.11	**10**		**5**	**0-0**
NEIC	III 11 00 12 16.4	37.08N	3.59W	10			**¶97iii2287**
MDD	III 11 00 12 16.8	37.08N	3.56W	10	2.5		
NEIC	mbLg2.3(MDD), Single network solution.						
ISC	**III 11 18 17 16**±1.2	**37.13N**±.096	**3.6W**±.16	**10**		**4**	**0-0**
NEIC	III 11 18 17 15.8	37.13N	3.60W	10			**¶97iii2425**
MDD	III 11 18 17 16.5	37.12N	3.59W	5	2.2		
ISC	Poorly determined						
NEIC	mbLg2.1(MDD), Poor solution.						
ISC	**III 11 21 24 25**±11	**43.4N**±.61	**8.5W**±.84	**8**		**4**	**0-1**
MDD	III 11 21 24 25.5	43.40N	8.47W	8	3.2		**¶97iii2447**
ISC	Poorly determined						
ISC	**III 13 20 26 17.7**±.69	**37.10N**±.057	**3.60W**±.061	**9**±7.2		**13**	**0-2**
NEIC	III 13 20 26 17.7	37.10N	3.60W	10			**¶97iii2759**
MDD	III 13 20 26 18.5	37.09N	3.59W	2	2.9		
NEIC	mbLg2.9(MDD), Single network solution.						
MDD	**III 14 22 43 02.2**	**42.80N**	**7.22W**	**5**	**2.6**		**¶97iii2957**
ISC	**III 15 01 34 06**±2.1	**39.3N**±.12	**0.6W**±.34	**22**±26		**5**	**0-3**
MDD	III 15 01 34 05.6	39.29N	0.46W	17	3.0		**¶97iii2974**
NEIC	III 15 01 34 06.1	39.17N	0.74W	5			
ISC	Poorly determined						
NEIC	mbLg2.7(MDD), Poor solution.						
ISC	**III 15 06 59 01**±1.5	**42.80N**±.091	**7.3W**±.18	**10**		**4**	**0-1**
NEIC	III 15 06 59 00.7	42.80N	7.25W	10			**¶97iii3014**
MDD	III 15 06 59 01.5	42.79N	7.27W	15	2.8		
ISC	Poorly determined						
NEIC	mbLg2.9(MDD), Poor solution.						
MDD	**III 15 12 05 13.3**	**41.32N**	**0.98E**	**4**	**2.3**		**¶97iii3045**
LDG	III 15 12 05 14.8	41.5N	1.1E	2	2.5L		
ISC	**III 16 01 22 41.3**±.63	**37.18N**±.052	**3.70W**±.053	**5**±7.5		**17**	**0-4**
NEIC	III 16 01 22 41.2	37.15N	3.71W	10			**¶97iii3144**
MDD	III 16 01 22 42.3	37.17N	3.71W	2	3.1		
NEIC	mbLg3.0(MDD). Single network solution.						
MDD	Felt I=II−III MSK, Vega						
ISC	**III 17 01 55 59**±5.2	**38.4N**±.39	**4.6W**±.20	**13**		**4**	**1-1**
NEIC	III 17 01 55 58.0	38.47N	4.65W	10			**¶97iii3303**
MDD	III 17 01 56 00.0	38.37N	4.62W	13	2.7		
ISC	Poorly determined						
NEIC	mbLg2.3(MDD), Poor solution.						
LDG	**III 17 12 08 31.5**	**41.3N**	**1.9E**	**2**	**2.3L**		**¶97iii3379**
ISC	**III 17 14 39 25.1**±.78	**37.17N**±.061	**4.32W**±.070	**12**±9.3		**10**	**0-2**
NEIC	III 17 14 39 24.8	37.17N	4.34W	10			**¶97iii3389**
MDD	III 17 14 39 26.1	37.19N	4.32W	7	2.8		
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**III 17 19 29 15.3**±.93	**37.29N**±.075	**4.71W**±.062	**4**±13		**9**	**0-2**
NEIC	III 17 19 29 15.9	37.30N	4.70W	10			**¶97iii3424**
MDD	III 17 19 29 16.5	37.28N	4.72W	3	2.4		
NEIC	mbLg2.4(MDD), Single network solution.						
ISC	**III 18 02 58 28**±1.8	**37.10N**±.091	**3.5W**±.22	**10**		**4**	**0-0**
NEIC	III 18 02 58 27.5	37.10N	3.46W	10			**¶97iii3477**
MDD	III 18 02 58 28.0	37.11N	3.45W	9	2.0		
ISC	Poorly determined						
NEIC	mbLg1.7(MDD), Poor solution.						
ISC	**III 18 12 17 09.3**±.77	**37.20N**±.056	**4.28W**±.067	**6**±11		**13**	**0-2**
NEIC	III 18 12 17 09.3	37.20N	4.30W	10			**¶97iii3532**
MDD	III 18 12 17 10.3	37.20N	4.27W	5	2.7		
NEIC	mbLg2.6(MDD), Single network solution.						
ISC	**III 18 14 30 56**±2.1	**37.2N**±.15	**4.3W**±.20	**11**±21		**6**	**0-1**
NEIC	III 18 14 30 56.0	37.18N	4.34W	10			**¶97iii3550**
MDD	III 18 14 30 56.8	37.17N	4.31W	11	2.6		
ISC	Poorly determined						
NEIC	mbLg2.6(MDD), Single network solution.						
ISC	**III 18 14 47 47**±1.4	**37.1N**±.11	**3.8W**±.11	**10**		**4**	**0-0**
NEIC	III 18 14 47 46.8	37.15N	3.83W	10			**¶97iii3554**
MDD	III 18 14 47 47.5	37.15N	3.83W	10	2.1		
ISC	Poorly determined						
NEIC	mbLg2.0(MDD), Poor solution.						
ISC	**III 19 04 12 04**±1.5	**42.82N**±.083	**7.3W**±.17	**0**		**4**	**0-1**
MDD	III 19 04 12 05.6	42.83N	7.25W		2.5		**¶97iii3626**
ISC	Poorly determined						
ISC	**III 19 04 13 14**±1.3	**42.85N**±.081	**7.2W**±.14	**9**±13		**7**	**0-3**
NEIC	III 19 04 13 13.9	42.85N	7.20W	10			**¶97iii3627**
MDD	III 19 04 13 14.9	42.83N	7.21W	2	3.0		
NEIC	mbLg3.1(MDD), Single network solution.						
ISC	**III 19 04 32 54**±1.3	**42.79N**±.078	**7.2W**±.13	**7**±14		**7**	**0-3**
NEIC	III 19 04 32 53.8	42.79N	7.22W	10			**¶97iii3630**
MDD	III 19 04 32 54.8	42.78N	7.26W	2	2.7		
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**III 19 04 34 20**±1.6	**42.78N**±.091	**7.2W**±.19	**10**		**4**	**0-1**
NEIC	III 19 04 34 20.1	42.78N	7.24W	10			**¶97iii3631**
MDD	III 19 04 34 21.1	42.80N	7.28W		2.8		
ISC	Poorly determined						
NEIC	mbLg2.8(MDD), Poor solution.						
ISC	**III 19 04 35 00**±1.4	**42.84N**±.079	**7.2W**±.13	**6**±15		**7**	**0-3**
NEIC	III 19 04 35 00.0	42.84N	7.19W	10			**¶97iii3632**
MDD	III 19 04 35 01.3	42.82N	7.27W	2	3.1		
NEIC	mbLg3.2(MDD). Single network solution.						
NEIC	Felt I=III MM in the epicentral area.						
MDD	**III 19 04 35 25.5**	**42.77N**	**7.29W**		**2.6**		**¶97iii3633**
ISC	**III 19 05 04 32.5**±.62	**43.00N**±.050	**7.19W**±.076	**4**		**20**	**0-7**
NEIC	III 19 05 04 33.5	42.95N	7.14W	10			**¶97iii3635**
MDD	III 19 05 04 35.3	42.85N	7.24W	4	3.2		
LDG	III 19 05 04 38.7	43.2N	7.0W	2	3.0L		
NEIC	mbLg3.1(MDD)						
MDD	Felt I=III−IV MSK, Sarria−Becerrea						

MDD	**III**	**19 06 27 17.4**	**42.74N**	**6.88W**	**8**	**2.7**	**¶97iii3646**
MDD	**III**	**19 06 47 48.0**	**42.83N**	**7.01W**	**18**	**2.5**	**¶97iii3648**
ISC	**III**	**19 06 57 15**±1.6	**42.80N**±.083	**7.3W**±.17	**0**		**4 0-1**
MDD	III	19 06 57 15.9	42.81N	7.25W		2.5	**¶97iii3651**
ISC	Poorly determined						
ISC	**III**	**19 06 57 57**±1.9	**42.84N**±.086	**7.2W**±.24	**9**		**4 0-1**
MDD	III	19 06 57 58.6	42.82N	7.22W	9	2.8	**¶97iii3652**
ISC	Poorly determined						
MDD	**III**	**19 10 31 53.9**	**43.24N**	**8.70W**	**17**	**2.3**	**¶97iii3686**
ISC	**III**	**19 11 38 53**±2.6	**38.56N**±.095	**1.0W**±.23	**10**±38		**7 0-3**
NEIC	III	19 11 38 52.5	38.56N	0.97W	10		**¶97iii3697**
MDD	III	19 11 38 53.4	38.56N	0.92W	9	2.8	
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**III**	**19 12 18 16**±1.8	**37.10N**±.090	**3.6W**±.17	**10**		**4 0-0**
MDD	III	19 12 18 16.1	37.11N	3.54W	18	2.0	**¶97iii3703**
NEIC	III	19 12 18 16.2	37.10N	3.56W	10		
ISC	Poorly determined						
NEIC	mbLg2.0(MDD), Poor solution.						
MDD	**III**	**19 16 40 44.8**	**42.19N**	**8.05W**		**2.6**	**¶97iii3732**
ISC	**III**	**19 18 23 28**±1.7	**42.0N**±.10	**6.8W**±.39	**0**		**4 0-2**
MDD	III	19 18 23 29.3	42.06N	6.82W		2.9	**¶97iii3749**
ISC	Poorly determined						
ISC	**III**	**21 13 28 37**±1.5	**42.3N**±.11	**7.8W**±.15	**0**		**4 1-1**
MDD	III	21 13 28 39.1	42.26N	7.83W		2.6	**¶97iii4077**
ISC	Poorly determined						
ISC	**III**	**21 16 22 16**±1.3	**37.03N**±.092	**4.1W**±.11	**0**		**4 0-1**
MDD	III	21 16 22 15.7	37.07N	4.17W		2.6	**¶97iii4099**
ISC	Poorly determined						
ISC	**III**	**21 20 10 23.6**±.96	**38.97N**±.072	**0.6W**±.13	**24**		**7 0-3**
MDD	III	21 20 10 25.0	38.96N	0.49W	24	3.1	**¶97iii4123**
ISC	**III**	**21 21 07 58**±1.4	**37.84N**±.079	**2.6W**±.15	**2**		**5 0-1**
NEIC	III	21 21 07 57.7	37.83N	2.55W	10		**¶97iii4139**
MDD	III	21 21 07 58.8	37.81N	2.59W	2	2.6	
NEIC	mbLg2.5(MDD), Single network solution.						
LDG	**III**	**22 11 56 20.7**	**41.2N**	**1.2E**	**2**	**2.4L**	**¶97iii4257**
MDD	III	22 11 56 24.7	41.29N	1.15E	3	2.3	
ISC	**III**	**22 12 28 58**±1.8	**37.4N**±.11	**2.2W**±.35	**5**		**4 0-1**
NEIC	III	22 12 28 58.4	37.41N	2.25W	5		**¶97iii4260**
MDD	III	22 12 28 59.1	37.40N	2.22W	3	2.5	
ISC	Poorly determined						
NEIC	mbLg2.6(MDD), Poor solution.						
ISC	**III**	**22 13 54 12**±1.4	**37.7N**±.11	**6.22W**±.077	**4**±16		**9 0-2**
NEIC	III	22 13 54 11.8	37.66N	6.21W	5		**¶97iii4274**
MDD	III	22 13 54 13.2	37.65N	6.25W	9	2.7	
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**III**	**22 20 48 00**±1.3	**38.81N**±.052	**0.71W**±.083	**8**±13		**24 0-10**
NEIC	III	22 20 48 00.4	38.80N	0.71W	10		**¶97iii4315**
MDD	III	22 20 48 02.5	38.76N	0.69W	11	3.1	
LDG	III	22 20 48 04.2	38.8N	0.6W	2	2.7L	
NEIC	mbLg3.0(MDD)						
MDD	Felt I=III MSK, Bocairente						
ISC	**III**	**22 21 50 17**±1.2	**37.48N**±.080	**1.9W**±.11	**5**		**6 1-2**
NEIC	III	22 21 50 16.6	37.48N	1.93W	5		**¶97iii4323**
MDD	III	22 21 50 17.3	37.47N	1.91W	2	2.6	
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**III**	**22 23 57 24**±1.2	**37.22N**±.082	**4.0W**±.14	**5**		**4 0-1**
NEIC	III	22 23 57 24.4	37.22N	4.00W	5		**¶97iii4342**
MDD	III	22 23 57 24.8	37.18N	4.05W	11	2.0	
ISC	Poorly determined						
NEIC	mbLg1.9(MDD), Poor solution.						
ISC	**III**	**23 00 00 00.1**±.65	**37.19N**±.069	**4.03W**±.060	**11**±8.0		**13 0-3**
NEIC	III	23 00 00 00.0	37.19N	4.04W	10		**¶97iii4343**
MDD	III	23 00 00 01.0	37.18N	4.03W	7	2.9	
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**III**	**23 00 48 34**±1.3	**37.21N**±.085	**4.0W**±.13	**5**		**4 0-1**
MDD	III	23 00 48 33.8	37.14N	4.08W	18	2.1	**¶97iii4354**
NEIC	III	23 00 48 34.0	37.20N	4.00W	5		
ISC	Poorly determined						
NEIC	mbLg2.0(MDD), Poor solution.						
ISC	**III**	**23 01 21 50**±1.3	**37.49N**±.084	**1.9W**±.12	**5**		**5 1-2**
NEIC	III	23 01 21 49.7	37.49N	1.92W	5		**¶97iii4359**
MDD	III	23 01 21 50.5	37.48N	1.91W	3	2.7	
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**III**	**23 04 09 19**±4.9	**37.8N**±.25	**2.5W**±.35	**5**		**4 0-1**
NEIC	III	23 04 09 19.0	37.76N	2.50W	5		**¶97iii4385**
MDD	III	23 04 09 20.8	37.77N	2.57W	1	2.8	
ISC	Poorly determined						
NEIC	mbLg2.5(MDD), Poor solution.						
ISC	**III**	**23 06 21 25**±1.3	**37.40N**±.063	**2.27W**±.096	**6**±13		**10 0-2**
NEIC	III	23 06 21 25.0	37.41N	2.27W	5		**¶97iii4408**
MDD	III	23 06 21 25.9	37.40N	2.25W	1	2.9	
NEIC	mbLg2.0(MDD), Single network solution.						
ISC	**III**	**24 00 09 10**±1.1	**37.21N**±.085	**4.3W**±.13	**8**±19		**6 0-1**
NEIC	III	24 00 09 09.6	37.22N	4.27W	10		**¶97iii4500**
MDD	III	24 00 09 10.5	37.18N	4.28W	4	2.5	
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**III**	**24 23 15 47.5**±.89	**37.08N**±.078	**4.18W**±.085	**14**±9.5		**8 0-1**
MDD	III	24 23 15 48.1	37.14N	4.19W	9	2.5	**¶97iii4637**
NEIC	III	24 23 15 48.2	37.06N	4.14W	10		
NEIC	mbLg2.3(MDD), Single network solution.						
ISC	**III**	**25 17 47 30**±1.7	**37.41N**±.072	**2.2W**±.19	**3**		**6 0-2**
MDD	III	25 17 47 29.7	37.39N	2.09W	3	2.8	**¶97iii4769**
NEIC	III	25 17 47 29.7	37.40N	2.16W	10		
NEIC	mbLg2.9(MDD), Single network solution.						
ISC	**III**	**26 10 22 43**±1.0	**37.23N**±.074	**3.7W**±.11	**10**		**5 0-1**
NEIC	III	26 10 22 43.2	37.22N	3.72W	10		**¶97iii4927**
MDD	III	26 10 22 43.9	37.24N	3.73W		2.3	
NEIC	mbLg2.3(MDD), Single network solution.						
ISC	**III**	**26 11 42 32**±2.2	**42.5N**±.12	**7.0W**±.31	**24**		**4 1-2**
MDD	III	26 11 42 33.4	42.51N	7.01W	24	3.0	**¶97iii4945**
ISC	Poorly determined						
ISC	**III**	**27 02 17 35**±2.0	**37.9N**±.10	**2.6W**±.23	**10**		**7 0-3**
NEIC	III	27 02 17 34.5	37.85N	2.56W	10		**¶97iii5119**
MDD	III	27 02 17 35.8	37.85N	2.61W	2	2.6	
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**III**	**27 04 07 29**±1.2	**37.8N**±.11	**2.66W**±.094	**2**		**6 0-3**
MDD	III	27 04 07 29.7	37.78N	2.61W	2	2.5	**¶97iii5138**
ISC	**III**	**27 09 12 03**±1.0	**38.65N**±.080	**1.1W**±.19	**20**±28		**8 1-3**
NEIC	III	27 09 12 01.8	38.66N	1.13W	10		**¶97iii5179**
MDD	III	27 09 12 03.2	38.65N	1.11W	10	3.0	
NEIC	mbLg2.9(MDD). Single network solution.						
MDD	Felt I=II−III MSK, Yecla						
ISC	**III**	**27 21 42 17**±2.9	**37.8N**±.18	**2.6W**±.35	**11**±12		**5 0-1**
NEIC	III	27 21 42 16.7	37.81N	2.53W	10		**¶97iii5316**
MDD	III	27 21 42 17.5	37.81N	2.57W	7	2.6	
ISC	Poorly determined						
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**III**	**27 22 05 02**±1.4	**37.2N**±.12	**3.6W**±.13	**10**±23		**5 0-1**
MDD	III	27 22 05 02.5	37.17N	3.59W	9	2.3	**¶97iii5320**
NEIC	III	27 22 05 02.6	37.10N	3.59W	10		
ISC	Poorly determined						
NEIC	mbLg2.0(MDD), Single network solution.						
ISC	**III**	**28 00 44 40**±1.7	**37.1N**±.14	**3.9W**±.12	**7**±22		**6 0-1**
NEIC	III	28 00 44 39.9	37.04N	3.92W	10		**¶97iii5339**
MDD	III	28 00 44 40.8	37.04N	3.92W	7	2.5	
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**III**	**28 16 09 32**±1.2	**37.8N**±.12	**2.66W**±.091	**2**		**5 0-2**
NEIC	III	28 16 09 31.7	37.77N	2.56W	10		**¶97iii5454**
MDD	III	28 16 09 33.1	37.78N	2.63W	2	2.7	
NEIC	mbLg2.6(MDD), Poor solution.						
ISC	**III**	**29 12 30 20**±1.1	**37.32N**±.088	**3.6W**±.12	**13**±11		**6 0-1**
MDD	III	29 12 30 20.6	37.33N	3.65W	4	2.2	**¶97iii5586**
NEIC	III	29 12 30 20.7	37.28N	3.64W	10		
NEIC	mbLg2.1(MDD), Single network solution.						
ISC	**III**	**29 21 07 24.1**±.90	**37.28N**±.072	**3.67W**±.066	**5**±13		**10 0-2**
NEIC	III	29 21 07 24.1	37.26N	3.68W	10		**¶97iii5645**
MDD	III	29 21 07 25.1	37.28N	3.66W	2	2.7	
NEIC	mbLg2.6(MDD), Single network solution.						
ISC	**III**	**30 16 08 55**±1.7	**37.1N**±.12	**3.94W**±.099	**8**±19		**7 0-1**
NEIC	III	30 16 08 55.0	37.04N	3.94W	10		**¶97iii5774**
MDD	III	30 16 08 55.8	37.05N	3.95W	10	2.5	
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**III**	**31 01 29 56**±1.5	**38.1N**±.10	**1.3W**±.11	**12**±16		**8 0-3**
NEIC	III	31 01 29 56.0	38.04N	1.26W	10		**¶97iii5825**
MDD	III	31 01 29 56.6	38.05N	1.26W	8	2.7	
NEIC	mbLg2.5(MDD), Single network solution.						
ISC	**III**	**31 02 30 09**±1.2	**37.51N**±.061	**2.6W**±.15	**7**±22		**9 0-2**
NEIC	III	31 02 30 08.8	37.52N	2.63W	10		**¶97iii5835**
MDD	III	31 02 30 09.9	37.53N	2.68W	3	2.9	
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**III**	**31 19 58 26.4**±.50	**37.15N**±.048	**3.85W**±.040	**18**±6.9		**55 0-12**
NEIC	III	31 19 58 26.4	37.11N	3.91W	10		**¶97iii5924**
MDD	III	31 19 58 27.5	37.08N	3.90W	4	3.4	
LIS	III	31 19 58 28	37.10N	3.90W	5	3.4L	
LDG	III	31 19 58 30.1	37.3N	4.0W	15	3.4L	
NEIC	mbLg3.5(MDD),						
NEIC	Felt I=II MM in the Chimeneas area.						
MDD	Felt I=II−III MSK, Cacin						
ISC	**IV**	**01 11 45 14**±1.7	**37.1N**±.14	**3.9W**±.13	**9**±21		**5 0-1**
NEIC	IV	01 11 45 13.9	37.05N	3.89W	10		**¶97iv0064**
MDD	IV	01 11 45 14.6	37.06N	3.90W	8	2.7	
ISC	Poorly determined						
NEIC	mbLg2.7(MDD), Single network solution.						
ISC	**IV**	**02 03 03 28**±1.6	**37.2N**±.12	**3.7W**±.11	**0**		**4 0-0**
MDD	IV	02 03 03 29.2	37.22N	3.74W		2.2	**¶97iv0181**
ISC	Poorly determined						
ISC	**IV**	**02 08 46 06**±6.8	**37.1N**±.23	**4.3W**±.50	**4**		**4 0-1**
NEIC	IV	02 08 46 06.2	37.10N	4.24W	10		**¶97iv0215**
MDD	IV	02 08 46 07.5	37.15N	4.20W	4	2.3	
ISC	Poorly determined						
NEIC	mbLg2.3(MDD), Poor solution.						
ISC	**IV**	**03 01 22 29**±1.3	**37.1N**±.11	**3.9W**±.12	**10**		**4 0-0**
NEIC	IV	03 01 22 29.4	37.10N	3.85W	10		**¶97iv0362**
MDD	IV	03 01 22 30.0	37.10N	3.86W		2.1	
ISC	Poorly determined						
NEIC	mbLg1.8(MDD), Poor solution.						
LDG	**IV**	**03 11 24 53.0**	**43.3N**	**2.5W**		**2.5L**	**¶97iv0421**
ISC	**IV**	**04 05 31 04.1**±.97	**37.38N**±.064	**2.12W**±.093	**10**		**13 0-4**
NEIC	IV	04 05 31 04.1	37.37N	2.12W	10		**¶97iv0548**
MDD	IV	04 05 31 05.3	37.35N	2.16W	2	2.9	
NEIC	mbLg3.0(MDD). Single network solution.						
MDD	Felt I=II MSK, Albox						
ISC	**IV**	**05 02 06 19**±3.6	**37.0N**±.11	**3.7W**±.12	**13**±36		**5 0-0**
NEIC	IV	05 02 06 19.2	37.01N	3.71W	10		**¶97iv0678**
MDD	IV	05 02 06 19.9	37.01N	3.69W	5	2.3	
ISC	Poorly determined						
NEIC	mbLg2.1(MDD), Single network solution.						
ISC	**IV**	**05 10 11 09**±1.3	**39.5N**±.12	**1.7W**±.14	**17**		**4 1-2**
MDD	IV	05 10 11 09.0	39.45N	1.73W	17	2.7	**¶97iv0748**
ISC	Poorly determined						
LDG	**IV**	**05 10 35 34.9**	**41.3N**	**1.1E**		**2.4L**	**¶97iv0751**
ISC	**IV**	**05 21 39 05**±1.6	**37.5N**±.12	**3.9W**±.16	**28**±21		**5 0-1**
NEIC	IV	05 21 39 05.0	37.49N	3.89W	10		**¶97iv0860**
MDD	IV	05 21 39 05.4	37.50N	3.85W	20	2.6	
ISC	Poorly determined						
NEIC	mbLg2.5(MDD), Single network solution.						
LDG	**IV**	**07 10 44 46.2**	**41.6N**	**2.1E**		**2.4L**	**¶97iv1143**
MDD	IV	07 10 44 47.4	41.59N	2.13E		2.6	
ISC	**IV**	**07 12 34 42.5**±.86	**39.41N**±.074	**2.2W**±.11	**9**		**7 1-3**
NEIC	IV	07 12 34 42.6	39.41N	2.16W	10		**¶97iv1160**
MDD	IV	07 12 34 43.9	39.41N	2.12W	9	2.8	
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**IV**	**07 21 36 18**±1.8	**42.2N**±.10	**7.4W**±.12	**12**±18		**7 0-3**
NEIC	IV	07 21 36 18.3	42.22N	7.42W	10		**¶97iv1233**
MDD	IV	07 21 36 18.9	42.24N	7.44W	5	3.3	
NEIC	mbLg3.2(MDD), Single network solution.						
ISC	**IV**	**08 17 10 44**±1.2	**42.7N**±.10	**7.7W**±.12	**10**		**4 1-1**
NEIC	IV	08 17 10 43.6	42.73N	7.72W	10		**¶97iv1366**
MDD	IV	08 17 10 44.5	42.70N	7.71W		2.8	
ISC	Poorly determined						
NEIC	mbLg2.5(MDD), Poor solution.						
ISC	**IV**	**09 01 26 41.9**±.61	**37.20N**±.054	**3.68W**±.059	**10**		**13 0-2**
NEIC	IV	09 01 26 41.7	37.18N	3.73W	10		**¶97iv1440**
MDD	IV	09 01 26 42.8	37.22N	3.72W	3	2.8	
NEIC	mbLg2.8(MDD), Single network solution.						
ISC	**IV**	**09 05 50 24**±5.5	**42.9N**±.21	**9.1W**±.49	**6**		**4 0-2**
NEIC	IV	09 05 50 24.8	42.88N	9.06W	10		**¶97iv1465**
MDD	IV	09 05 50 26.5	42.85N	8.99W	6	3.4	
ISC	Poorly determined						
NEIC	mbLg3.0(MDD), Poor solution.						
MDD	Felt I=II MSK, northwest Noia						

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**09 16 00 27.5**±.89	**37.31N**±.067	**3.66W**±.081	**5**		**7**	**0-1**
NEIC	IV	09 16 00 27.4	37.31N	3.66W	5		¶97iv1547	
MDD	IV	09 16 00 28.5	37.29N	3.63W	6	2.3		
NEIC	mbLg2.2(MDD), Single network solution.							
ISC	**IV**	**10 10 57 20.9**±.66	**37.22N**±.056	**3.71W**±.064	**10**		**10**	**0-2**
NEIC	IV	10 10 57 20.7	37.22N	3.73W	10		¶97iv1679	
MDD	IV	10 10 57 21.8	37.23N	3.73W	3	2.7		
NEIC	mbLg2.7(MDD), Single network solution.							
ISC	**IV**	**10 11 00 17.0**±.83	**37.23N**±.068	**3.69W**±.075	**5**		**7**	**0-1**
NEIC	IV	10 11 00 16.6	37.22N	3.70W	10		¶97iv1680	
MDD	IV	10 11 00 17.9	37.23N	3.70W	5	2.5		
NEIC	mbLg2.5(MDD), Single network solution.							
ISC	**IV**	**10 20 46 09**±2.4	**42.7N**±.11	**7.7W**±.14	**11**±29		**5**	**1-1**
MDD	IV	10 20 46 09.8	42.69N	7.69W	9	3.0	¶97iv1745	
ISC	Poorly determined							
ISC	**IV**	**11 13 36 33**±11	**37.5N**±.51	**6.8W**±.93	**0**		**7**	**1-2**
LIS	IV	11 13 36 28	37.37N	6.23W		2.2L	¶97iv1908	
ISC	**IV**	**13 04 54 38.8**±.87	**37.24N**±.058	**3.70W**±.055	**3**±13		**12**	**0-3**
NEIC	IV	13 04 54 38.8	37.21N	3.71W	10		¶97iv2191	
MDD	IV	13 04 54 39.9	37.23N	3.70W	2	2.7		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**IV**	**13 06 04 09.3**±.89	**37.25N**±.090	**3.7W**±.11	**10**±13		**7**	**0-2**
NEIC	IV	13 06 04 09.3	37.25N	3.69W	10		¶97iv2200	
MDD	IV	13 06 04 10.1	37.26N	3.73W	5	2.2		
NEIC	mbLg2.0(MDD), Single network solution.							
ISC	**IV**	**13 11 38 01**±3.2	**37.4N**±.25	**3.7W**±.12	**15**		**5**	**0-1**
NEIC	IV	13 11 38 01.4	37.32N	3.75W	10		¶97iv2233	
MDD	IV	13 11 38 02.0	37.31N	3.72W	15	2.2		
NEIC	mbLg2.1(MDD), Single network solution.							
ISC	**IV**	**13 20 19 39**±6.4	**37.0N**±.33	**4.2W**±.51	**0**		**4**	**0-1**
MDD	IV	13 20 19 39.9	37.02N	4.19W		2.1	¶97iv2294	
ISC	Poorly determined							
ISC	**IV**	**14 11 41 33.9**±.89	**37.21N**±.064	**3.68W**±.083	**0**		**6**	**0-1**
MDD	IV	14 11 41 34.9	37.21N	3.69W		2.4	¶97iv2452	
ISC	**IV**	**14 18 14 46**±1.5	**42.3N**±.11	**7.8W**±.15	**0**		**4**	**1-1**
MDD	IV	14 18 14 47.4	42.26N	7.82W		2.5	¶97iv2495	
ISC	Poorly determined							
ISC	**IV**	**17 17 24 18.6**±.67	**37.05N**±.046	**4.24W**±.044	**4**±7.1		**37**	**0-9**
NEIC	IV	17 17 24 18.7	37.05N	4.22W	5		¶97iv2941	
LIS	IV	17 17 24 19	37.03N	4.20W		3.0L		
MDD	IV	17 17 24 20.1	37.04N	4.21W	2	3.3		
NEIC	mbLg3.4(MDD).							
ISC	**IV**	**17 18 46 24.7**±.66	**37.06N**±.044	**4.22W**±.043	**4**±6.9		**35**	**0-9**
NEIC	IV	17 18 46 24.4	37.03N	4.22W	5		¶97iv2956	
MDD	IV	17 18 46 25.9	37.02N	4.20W	2	3.6		
LIS	IV	17 18 46 26	37.02N	4.20W		3.3L		
NEIC	mbLg3.6(MDD).							
ISC	**IV**	**17 20 24 37.5**±.66	**37.03N**±.055	**4.19W**±.058	**5**		**11**	**0-1**
NEIC	IV	17 20 24 37.3	37.03N	4.21W	5		¶97iv2970	
MDD	IV	17 20 24 38.1	37.04N	4.21W	4	2.2		
NEIC	mbLg2.2(MDD), Single network solution.							
ISC	**IV**	**18 12 27 27**±1.5	**37.05N**±.098	**4.2W**±.14	**1**±33		**5**	**0-1**
NEIC	IV	18 12 27 27.1	37.03N	4.20W	10		¶97iv3071	
MDD	IV	18 12 27 28.2	37.04N	4.21W	5	2.5		
ISC	Poorly determined							
NEIC	mbLg2.4(MDD), Single network solution.							
ISC	**IV**	**19 03 20 09.5**±.71	**37.21N**±.056	**3.73W**±.072	**10**		**9**	**0-2**
NEIC	IV	19 03 20 09.2	37.21N	3.71W	10		¶97iv3144	
MDD	IV	19 03 20 10.5	37.23N	3.70W	3	2.6		
NEIC	mbLg2.5(MDD), Single network solution.							
ISC	**IV**	**19 20 26 16.5**±.92	**37.19N**±.063	**3.73W**±.096	**10**		**6**	**0-1**
NEIC	IV	19 20 26 16.4	37.19N	3.73W	10		¶97iv3233	
MDD	IV	19 20 26 17.3	37.21N	3.71W		2.3		
NEIC	mbLg2.1(MDD), Single network solution.							
ISC	**IV**	**20 06 55 16**±1.0	**37.05N**±.098	**2.68W**±.081	**10**		**7**	**0-2**
NEIC	IV	20 06 55 15.5	37.05N	2.68W	10		¶97iv3284	
MDD	IV	20 06 55 16.1	37.03N	2.69W	5	2.6		
NEIC	mbLg2.2(MDD), Single network solution.							
ISC	**IV**	**21 03 21 48.9**±.62	**37.02N**±.060	**3.83W**±.053	**10**±5.8		**18**	**0-4**
NEIC	IV	21 03 21 48.7	37.02N	3.84W	10		¶97iv3397	
MDD	IV	21 03 21 49.9	37.02N	3.83W	6	3.1		
NEIC	mbLg3.1(MDD), Single network solution.							
ISC	**IV**	**22 08 47 44.1**±.80	**37.02N**±.057	**4.20W**±.058	**0**±12		**13**	**0-2**
NEIC	IV	22 08 47 44.2	37.01N	4.18W	10		¶97iv3675	
MDD	IV	22 08 47 45.4	37.03N	4.22W	2	2.9		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**IV**	**23 15 35 30**±1.1	**37.44N**±.092	**3.45W**±.067	**9**±15		**15**	**0-4**
NEIC	IV	23 15 35 29.7	37.44N	3.45W	10		¶97iv3988	
MDD	IV	23 15 35 30.8	37.44N	3.45W	6	2.8		
NEIC	mbLg2.9(MDD), Single network solution.							
ISC	**IV**	**28 16 24 33**±2.2	**38.2N**±.21	**0.7E**±.16	**10**		**8**	**1-3**
NEIC	IV	28 16 24 33.6	38.28N	0.69E	10		¶97iv4953	
MDD	IV	28 16 24 35.1	38.24N	0.69E	13	3.2		
NEIC	mbLg3.2(MDD), Single network solution.							
ISC	**IV**	**30 01 26 45**±1.4	**37.1N**±.11	**3.9W**±.11	**8**		**4**	**0-0**
MDD	IV	30 01 26 46.0	37.09N	3.85W	8	1.8	¶97iv5143	
ISC	Poorly determined							
ISC	**IV**	**30 22 54 39.0**±.80	**43.37N**±.054	**3.6W**±.11	**10**		**15**	**1-6**
NEIC	IV	30 22 54 38.9	43.36N	3.63W	10		¶97iv5281	
MDD	IV	30 22 54 40.7	43.31N	3.54W	3	3.1		
LDG	IV	30 22 54 43.2	43.3N	3.6W		2.4L		
ISC	**V**	**01 21 35 18**±1.4	**38.2N**±.16	**1.0W**±.14	**10**		**4**	**1-3**
NEIC	V	01 21 35 18.1	38.24N	1.00W	10		¶97v0161	
MDD	V	01 21 35 18.9	38.25N	1.03W	6	2.5		
ISC	Poorly determined							
NEIC	M_D2.5(MDD), Poor solution.							
MDD	**V**	**07 11 08 10.0**	**37.22N**	**3.34W**	**14**	**2.1**	¶97v1087	
ISC	**V**	**08 20 14 35**±1.9	**42.8N**±.20	**2.3W**±.25	**3**		**7**	**0-3**
MDD	V	08 20 14 36.0	42.80N	2.43W	3	2.8	¶97v1306	
LDG	V	08 20 14 37.5	42.7N	2.2W		2.5L		
ISC	**V**	**09 03 32 34.4**±.79	**37.07N**±.063	**3.97W**±.065	**55**±12		**20**	**0-4**
NEIC	V	09 03 32 35.0	37.09N	3.99W	33		¶97v1353	
MDD	V	09 03 32 35.8	37.05N	3.99W	41	3.3		
NEIC	mbLg3.2(MDD), Single network solution.							
ISC	**V**	**09 04 26 35.6**±.32	**37.23N**±.033	**4.02W**±.034	**33**		**66**	**0-11**
NEIC	V	09 04 26 35.8	37.25N	4.04W	33		¶97v1359	
LDG	V	09 04 26 36.6	37.2N	3.9W		3.8L		
MDD	V	09 04 26 37.0	37.05N	4.05W	39	4.0		
LIS	V	09 04 26 37	37.02N	4.02W		3.6L		
STR	V	09 04 26 58	37.20N	3.90W	10	4.6L		
NEIC	mbLg4.0(MDD), Single network solution.							
ISC	**V**	**09 04 34 58**±1.7	**37.0N**±.26	**4.0W**±.24	**44**		**4**	**0-0**
MDD	V	09 04 34 58.3	37.02N	3.97W	44	1.7	¶97v1360	
ISC	Poorly determined							
ISC	**V**	**09 12 43 17.0**±.84	**37.11N**±.072	**3.95W**±.063	**42**±16		**19**	**0-4**
NEIC	V	09 12 43 17.0	37.12N	3.98W	33		¶97v1424	
MDD	V	09 12 43 18.5	37.09N	3.95W	33	3.2		
NEIC	mbLg2.9(MDD), Single network solution.							
ISC	**V**	**10 07 31 13.7**±.74	**37.18N**±.061	**5.76W**±.067	**10**		**9**	**0-1**
NEIC	V	10 07 31 13.6	37.17N	5.75W	10		¶97v1545	
MDD	V	10 07 31 14.5	37.17N	5.78W	9	2.8		
NEIC	mbLg2.7(MDD), Single network solution.							
ISC	**V**	**11 04 40 58**±1.1	**37.02N**±.070	**5.5W**±.12	**0**		**5**	**0-1**
MDD	V	11 04 40 58.9	37.03N	5.50W		2.3	¶97v1726	
ISC	**V**	**11 13 13 02**±1.7	**42.80N**±.084	**7.2W**±.20	**9**		**4**	**0-1**
MDD	V	11 13 13 02.0	42.81N	7.22W	9	3.0	¶97v1781	
ISC	Poorly determined							
MDD	Felt I=III MSK							
ISC	**V**	**11 13 13 28**±1.7	**42.82N**±.084	**7.2W**±.20	**6**		**4**	**0-1**
MDD	V	11 13 13 29.3	42.81N	7.25W	6	3.0	¶97v1782	
ISC	Poorly determined							
MDD	Felt I=III MSK							
NEIC	Felt I=III MSK (after EZAM)							
ISC	**V**	**11 20 11 03.2**±.72	**41.21N**±.068	**2.0W**±.11	**10**		**12**	**0-4**
NEIC	V	11 20 11 03.1	41.21N	1.97W	10		¶97v1838	
MDD	V	11 20 11 03.6	41.20N	1.97W	4	3.0		
LDG	V	11 20 11 06.0	41.4N	2.0W		2.4L		
NEIC	mbLg2.8(MDD)							
ISC	**V**	**12 19 18 11.5**±.84	**37.19N**±.060	**3.70W**±.091	**10**		**7**	**0-2**
NEIC	V	12 19 18 11.3	37.19N	3.68W	10		¶97v2029	
MDD	V	12 19 18 12.4	37.20N	3.67W	4	2.3		
NEIC	mbLg2.1(MDD), Single network solution.							
ISC	**V**	**13 06 01 20.1**±.97	**39.09N**±.079	**2.0W**±.12	**5**		**7**	**1-2**
NEIC	V	13 06 01 20.0	39.09N	2.01W	5		¶97v2153	
MDD	V	13 06 01 21.3	39.13N	2.04W	3	2.8		
NEIC	mbLg2.7(MDD), Single network solution.							
ISC	**V**	**13 21 58 08**±6.4	**42.9N**±.18	**9.2W**±.57	**3**		**4**	**0-2**
MDD	V	13 21 58 10.0	42.82N	9.08W	3	2.8	¶97v2338	
ISC	Poorly determined							
ISC	**V**	**14 00 35 33.2**±.91	**37.15N**±.086	**3.18W**±.067	**2**±14		**10**	**0-4**
NEIC	V	14 00 35 33.4	37.13N	3.20W	10		¶97v2360	
MDD	V	14 00 35 34.4	37.14N	3.21W	2	2.7		
NEIC	mbLg2.6(MDD), Single network solution.							
MDD	**V**	**14 09 45 54.4**	**38.02N**	**1.24W**	**9**	**2.9**	¶97v2424	
MDD	Felt I=II−III MSK:							
ISC	**V**	**14 18 39 24**±1.3	**38.0N**±.12	**1.2W**±.16	**4**±19		**8**	**0-3**
NEIC	V	14 18 39 24.0	37.99N	1.20W	10		¶97v2498	
MDD	V	14 18 39 25.3	38.02N	1.23W	3	2.9		
NEIC	mbLg2.7(MDD), Single network solution.							
MDD	**V**	**15 20 26 21.0**	**42.77N**	**7.46W**		**2.6**	¶97v2668	
ISC	**V**	**15 20 26 43.0**±.97	**42.84N**±.063	**7.2W**±.13	**3**		**12**	**0-4**
MDD	V	15 20 26 43.9	42.83N	7.20W	3	2.9	¶97v2669	
LIS	V	15 20 26 45	42.75N	7.25W		1.9L		
ISC	**V**	**15 20 28 01.8**±.59	**42.96N**±.049	**7.17W**±.079	**14**		**23**	**0-7**
LIS	V	15 20 28 04	42.82N	7.23W		2.6L	¶97v2670	
MDD	V	15 20 28 04.2	42.80N	7.25W	14	3.4		
LDG	V	15 20 28 06.0	43.2N	7.2W		2.9L		
NEIC	Felt I=III (after ETOR)							
ISC	**V**	**18 06 08 41**±1.3	**42.04N**±.079	**7.3W**±.17	**6**		**6**	**0-1**
MDD	V	18 06 08 41.4	42.05N	7.31W	6	2.8	¶97v3034	
LIS	V	18 06 08 42	42.03N	7.30W		1.7L		
ISC	**V**	**18 13 15 19**±1.5	**38.05N**±.084	**1.3W**±.10	**7**±15		**17**	**0-5**
NEIC	V	18 13 15 19.5	38.03N	1.26W	10		¶97v3090	
MDD	V	18 13 15 20.5	38.01N	1.24W	4	3.5		
NEIC	mbLg3.7(MDD)							
NEIC	Felt I=III MM in the Alcantarilla area.							
MDD	Felt I=III MSK							
ISC	**V**	**20 05 12 22.7**±.89	**38.86N**±.071	**3.1W**±.11	**3**		**8**	**0-3**
MDD	V	20 05 12 23.7	38.88N	3.03W	3	2.8	¶97v3362	
ISC	**V**	**21 14 14 06**±1.6	**42.80N**±.084	**7.3W**±.19	**9**		**4**	**0-1**
MDD	V	21 14 14 06.8	42.79N	7.24W	9	2.7	¶97v3566	
ISC	Poorly determined							
ISC	**V**	**21 14 17 20**±1.1	**42.83N**±.079	**7.2W**±.13	**25**±18		**12**	**0-3**
MDD	V	21 14 17 20.7	42.81N	7.24W	6	3.3	¶97v3567	
LIS	V	21 14 17 21	42.82N	7.20W		2.8L		
MDD	Felt I=II−III MSK							
NEIC	Felt I=II−III MSK (after GUD)							
ISC	**V**	**21 14 19 05.3**±.92	**42.81N**±.067	**7.3W**±.12	**4**		**8**	**0-3**
MDD	V	21 14 19 06.1	42.80N	7.28W	4	3.0	¶97v3568	
ISC	**V**	**21 23 49 42.3**±.15	**42.85N**±.015	**7.15W**±.026	**9**	**4.7b**,5.0s	**252**	**0-153**
EIDC	V	21 23 49 42.3	42.8N	7.3W	0	4.4b,4.6L	¶97v3629	
BJI	V	21 23 49 43.7	42.90N	7.10W	19	4.7b		
NEIC	V	21 23 49 43.7	42.90N	7.13W	19	4.9b		
MOS	V	21 23 49 44.5	42.9N	7.1W	27	5.2b,5.2s		
LIS	V	21 23 49 45	42.80N	7.22W	13	4.6L		
MDD	V	21 23 49 45.2	42.82N	7.23W	9	4.1		
HRVD	V	21 23 49 48.2±.8	42.74N±.18	7.54W±.19	19			
NEIC	Mw5.3(HRV), mbLg4.7(MDD)							
NEIC	Felt in many parts of northern and western Spain. Also felt in northern Portugal.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c22; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.33±1.13; $M_{\theta\theta}$−0.81±1.67; $M_{\phi\phi}$7.14±1.20; $M_{r\theta}$−1.13±2.65; $M_{r\phi}$−5.85±3.54; $M_{\theta\phi}$−2.99±.99. Principal Axes: T 9.88,Plg18°, Azm76°; N −0.81,Plg19°,Azm173°; P −9.07,Plg63°,Azm305°. Best double couple: $M_0$9.5×10^{16}Nm, NP1:ϕ_S139°,δ31°,λ−128°. NP2:ϕ_S1°,δ66°,λ−70°.							
ISC	**V**	**21 23 50 42.7**±.13	**42.86N**±.015	**7.16W**±.020	**13**	**5.2b,5.0s**	**418**	**0-156**
EIDC	V	21 23 50 42.0	42.9N	7.3W	0	4.9b,5.3L	¶97v3630	
BJI	V	21 23 50 42.5	43.31N	7.24W	3	5.3b,5.7s		
NEIC	V	21 23 50 43.5	42.88N	7.19W	19	5.3b,4.9s		
MOS	V	21 23 50 43.8	42.9N	7.1W	24	5.6b,5.0s		
MDD	V	21 23 50 45.9	42.78N	7.26W	13	5.1		
LIS	V	21 23 50 47	42.72N	7.28W	12	5.4L		
HRVD	V	21 23 50 47.9±.5	42.95N±.11	7.21W±.11	15			
LDG	V	21 23 50 48.2	43.2N	7.1W		5.6L		
STR	V	21 23 50 55.3	43.50N	6.25W	10	5.6L		
NEIC	Mw5.4(HRV)							
NEIC	mbLg 5.1 (MDD). One person died from a heart attack and minor damage in the Galicia region. Felt in many parts of northern and western Spain. Also felt in northern Portugal.							
MDD	Felt I=VI MSK							
LIS	Felt I=V MM Franca, Pitoes, Montalegre, Vinhais,Gralhos, Paradela, Geres, Sudro,							

Cabril, Terras do Bouro, Chaves, Safiaes, Carvalhelhos, Boticas, Castanheira, Faioes, Alto da Forca, Vidago, Pisoes, Valpacos, Rio Torto, Eixos, Pedras Salgadas, Povoa de Lanhoso, Vila Real, IV−V Melgaco, Braganca, Amares, Braga, Macedo de Cavaleiros, Carvalhais, Mirandela, Guimaraes

LIS Felt I=IV MM Moncao, Valenca, Arcos de valdevez, Rabal, Ponte de Lima, Barcelos, Amarante, Vila Mea, Santa Marinha, Penafiel, Regua, Meda, Vouzela, Castro Daire, Viseu, III−IV Caminha, Portelo, Viana do Castelo, Marco de Canaveses, Moncorvo, Penalva do Castelo, Mangualde, Nelas, Tondela, III Miranda do Douro, Paredes, Porto Vila, Nova de Foz Coa, Castelo de Paiva, Arouca, Pinhel, Aveiro, Agueda, Felgueiras, Guarda, Seia, Belmonte, Coimbra, Torres Novas, Castelo de Vide, II Lisboa

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s19,c29; Half duration: 1^{s}2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.83±.09; $M_{\theta\theta}$−0.21±.11; $M_{\phi\phi}$1.04±.08; $M_{r\theta}$−0.77±.22; $M_{r\phi}$0.31±.37; $M_{\theta\phi}$−0.35±.09. Principal Axes: T 1.27,Plg15°,Azm249°; N 0.09, Plg29°,Azm150°; P −1.36,Plg56°,Azm3°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_s13°, δ39°,λ−40°. NP2:ϕ_s136°,δ66°,λ−122°.

ISC	**V**	**22 00 02 37**±4.7	**42.87N**±.097	**6.9W**±.51	**4**		**4**	**1-2**
MDD	V	22 00 02 37.7	42.85N	6.90W	4	1.9		**¶97v3633**
ISC	Poorly determined							
ISC	**V**	**22 00 02 49.4**±.31	**42.82N**±.021	**7.35W**±.043	**10**	**4.1b**	**165**	**0-153**
STR	V	22 00 02 46.7	43.24N	8.23W	10	5.5L		**¶97v3634**
LIS	V	22 00 02 51	42.77N	7.33W		4.3L		
MDD	V	22 00 02 51.8	42.74N	7.31W	2	4.3		
EIDC	V	22 00 02 51.9	42.8N	6.9W	0	4.2b,3.9L		
NEIC	V	22 00 02 52.3	43.00N	7.12W	10	4.5b		
MOS	V	22 00 02 53.4	43.2N	7.0W	10	4.4b		
LDG	V	22 00 02 58.6	43.3N	6.9W		4.6L		
LIS	Felt I=III−IV MM Melgaco, Moncao, Franca, Montalegre, Vinhais, Chaves, Braganca, Braga, Mirandela, Barcelos, III Vila Real, Castro Daire Porto, Vouzela, Viseu							
NEIC	mbLg4.5(MDD).							
ISC	**V**	**22 00 07 29**±1.4	**42.78N**±.080	**7.3W**±.13	**5**±16		**8**	**0-5**
MDD	V	22 00 07 30.2	42.78N	7.30W	3	3.5		**¶97v3636**
ISC	**V**	**22 00 08 47**±1.9	**42.78N**±.084	**7.1W**±.23	**3**		**4**	**0-1**
MDD	V	22 00 08 48.1	42.77N	7.14W	3	3.3		**¶97v3637**
ISC	Poorly determined							
ISC	**V**	**22 00 10 06**±1.7	**42.80N**±.098	**7.2W**±.21	**16**		**4**	**0-1**
MDD	V	22 00 10 06.4	42.81N	7.25W	16	3.2		**¶97v3638**
ISC	Poorly determined							
ISC	**V**	**22 00 10 20.3**±.69	**43.12N**±.056	**7.10W**±.076	**9**		**50**	**0-10**
MDD	V	22 00 10 22.2	42.85N	7.22W	9	3.8		**¶97v3639**
STR	V	22 00 10 22.5	43.00N	7.20W	2	4.2L		
LDG	V	22 00 10 22.5	43.0N	7.2W		3.7L		
NEIC	V	22 00 10 29.2	43.42N	6.25W	10			
NEIC	Single network solution.							
ISC	**V**	**22 00 10 38**±1.5	**42.98N**±.066	**7.2W**±.17	**13**		**28**	**1-11**
MDD	V	22 00 10 41.0	42.78N	7.27W	13	3.9		**¶97v3640**
STR	V	22 00 10 44.7	43.00N	6.80W	2	4.0L		
LDG	V	22 00 10 44.7	43.0N	6.8W		3.8L		
NEIC	V	22 00 10 50.3	43.48N	6.06W	10			
NEIC	Poor solution.							
ISC	**V**	**22 00 14 06.5**±.63	**42.97N**±.066	**7.17W**±.082	**17**		**20**	**0-11**
MDD	V	22 00 14 08.3	42.81N	7.19W	17	3.3		**¶97v3641**
LDG	V	22 00 14 11.9	43.1N	7.0W		3.3L		
NEIC	V	22 00 14 16.7	43.49N	6.24W	10			
NEIC	Poor solution.							
ISC	**V**	**22 00 16 23.0**±.81	**42.98N**±.061	**7.30W**±.099	**80**±17		**37**	**0-9**
MDD	V	22 00 16 24.0	42.77N	7.25W	9	3.8		**¶97v3642**
STR	V	22 00 16 27.1	43.20N	7.0W	2	4.3L		
LDG	V	22 00 16 27.1	43.2N	7.0W				
NEIC	V	22 00 16 27.4	43.35N	6.66W	10			
NEIC	Poor solution.							
ISC	**V**	**22 00 17 17.9**±.17	**42.84N**±.019	**7.13W**±.024	**17**	**4.7b,4.7s**	**305**	**0-153**
EIDC	V	22 00 17 16.7	42.8N	7.2W	0	4.5b,5.0L		**¶97v3643**
BJI	V	22 00 17 17.8	42.90N	7.10W	17	4.7b,5.4s		
NEIC	V	22 00 17 17.8	42.86N	7.16W	17	5.1b,4.6s		
MDD	V	22 00 17 19.3	42.85N	7.29W	17	4.9		
MOS	V	22 00 17 21.7	43.3N	6.8W	10	5.1b,4.6s		
LDG	V	22 00 17 21.7	43.1N	7.3W		5.2L		
STR	V	22 00 17 29.5	43.46N	6.28W	10	5.3L		
NEIC	mbLg4.8(MDD).							
ISC	**V**	**22 00 22 26**±1.7	**42.80N**±.083	**7.2W**±.20	**0**		**4**	**0-1**
MDD	V	22 00 22 27.3	42.80N	7.23W		3.3		**¶97v3645**
ISC	Poorly determined							
ISC	**V**	**22 00 23 13**±1.9	**42.87N**±.084	**7.2W**±.22	**0**		**4**	**0-1**
MDD	V	22 00 23 14.0	42.84N	7.19W		3.2		**¶97v3646**
ISC	Poorly determined							
ISC	**V**	**22 00 24 13**±2.4	**42.9N**±.11	**7.3W**±.33	**6**±30		**11**	**1-7**
MDD	V	22 00 24 16.6	42.82N	7.24W	6	3.8		**¶97v3647**
LDG	V	22 00 24 19.7	43.1N	7.1W		3.3L		
NEIC	V	22 00 24 27.6	43.59N	6.00W	10			
NEIC	Poor solution.							
ISC	**V**	**22 00 25 07**±1.5	**42.79N**±.084	**7.3W**±.16	**0**		**4**	**0-1**
MDD	V	22 00 25 07.9	42.80N	7.27W		3.5		**¶97v3648**
ISC	Poorly determined							
ISC	**V**	**22 00 28 33.2**±.56	**42.92N**±.042	**7.16W**±.076	**10**		**28**	**1-9**
MDD	V	22 00 28 36.6	42.77N	7.24W	9	3.2		**¶97v3649**
LDG	V	22 00 28 38.0	43.1N	7.1W		3.0L		
NEIC	V	22 00 28 43.4	43.45N	6.31W	10			
NEIC	Poor solution.							
ISC	**V**	**22 00 31 22**±2.1	**42.78N**±.084	**7.1W**±.24	**0**		**4**	**0-1**
MDD	V	22 00 31 23.2	42.76N	7.19W		3.6		**¶97v3651**
ISC	Poorly determined							
ISC	**V**	**22 00 31 59**±1.6	**42.76N**±.084	**7.3W**±.17	**0**		**4**	**0-1**
MDD	V	22 00 31 59.9	42.77N	7.21W		2.8		**¶97v3653**
ISC	Poorly determined							
ISC	**V**	**22 00 32 19.7**±.69	**43.07N**±.088	**7.15W**±.081	**5**		**22**	**0-9**
MDD	V	22 00 32 22.4	42.77N	7.24W	5	3.2		**¶97v3654**
LDG	V	22 00 32 26.2	43.1N	7.1W		3.2L		
NEIC	V	22 00 32 32.4	43.54N	6.06W	10			
NEIC	Poor solution.							
ISC	**V**	**22 00 32 54**±1.1	**43.3N**±.10	**6.70W**±.086	**10**		**21**	**0-10**
MDD	V	22 00 32 51.3	42.76N	7.22W	3	3.8		**¶97v3655**
LDG	V	22 00 32 53.5	43.1N	7.1W		3.4L		
NEIC	V	22 00 32 58.1	43.48N	6.35W	10			
NEIC	Single network solution.							
ISC	**V**	**22 00 33 46**±1.7	**42.81N**±.083	**7.2W**±.20	**0**		**4**	**0-1**
MDD	V	22 00 33 46.6	42.82N	7.23W		3.8		**¶97v3656**
ISC	Poorly determined							
ISC	**V**	**22 00 34 15**±1.6	**42.80N**±.083	**7.3W**±.17	**0**		**4**	**0-1**
MDD	V	22 00 34 14.9	42.80N	7.20W		3.5		**¶97v3657**
ISC	Poorly determined							
ISC	**V**	**22 00 35 33**±1.8	**42.79N**±.093	**7.2W**±.23	**11**		**4**	**0-1**
MDD	V	22 00 35 33.6	42.78N	7.19W	11	3.6		**¶97v3659**
ISC	Poorly determined							
ISC	**V**	**22 00 41 25.8**±.66	**42.95N**±.036	**7.4W**±.10	**84**±15		**44**	**0-11**
LIS	V	22 00 41 27	42.83N	7.20W		3.2L		**¶97v3660**
MDD	V	22 00 41 27.5	42.84N	7.25W	13	3.6		
LDG	V	22 00 41 29.7	43.1N	7.1W		3.4L		
NEIC	V	22 00 41 35.2	43.51N	6.24W	10			
NEIC	Poor solution.							
ISC	**V**	**22 00 42 34**±1.7	**42.80N**±.084	**7.2W**±.20	**9**		**8**	**0-4**
MDD	V	22 00 42 34.5	42.78N	7.20W	9	3.6		**¶97v3661**
ISC	Poorly determined							
ISC	**V**	**22 00 45 39.1**±.60	**43.04N**±.045	**7.22W**±.077	**10**		**29**	**0-11**
MDD	V	22 00 45 43.1	42.78N	7.30W	9	3.6		**¶97v3662**
LDG	V	22 00 45 44.0	43.1N	7.1W		3.1L		
NEIC	V	22 00 45 51.7	43.58N	6.09W	10			
NEIC	Single network solution.							
ISC	**V**	**22 00 54 07**±1.8	**42.78N**±.093	**7.2W**±.23	**11**		**4**	**0-1**
MDD	V	22 00 54 07.5	42.81N	7.16W	11	2.9		**¶97v3665**
ISC	Poorly determined							
ISC	**V**	**22 01 00 47**±5.7	**43.5N**±.23	**6.2W**±.52	**10**		**18**	**4-8**
LDG	V	22 01 00 40.9	43.1N	7.0W		3.1L		**¶97v3666**
NEIC	V	22 01 00 46.1	43.49N	6.21W	10			
NEIC	Poor solution.							
LDG	**V**	**22 01 02 00.6**	**43.1N**	**7.2W**		**3.2L**		**¶97v3667**
ISC	**V**	**22 01 29 09**±1.9	**42.81N**±.098	**7.2W**±.24	**16**		**4**	**0-1**
MDD	V	22 01 29 09.5	42.80N	7.18W	16	3.1		**¶97v3669**
ISC	Poorly determined							
ISC	**V**	**22 01 32 31.8**±.43	**42.94N**±.024	**7.34W**±.055	**10**	**3.9b**	**92**	**1-68**
NEIC	V	22 01 32 33.4	43.00N	7.15W	10			**¶97v3670**
EIDC	V	22 01 32 33.8	42.8N	7.1W	0	3.8b,4.2L		
MDD	V	22 01 32 35.7	42.91N	7.44W	21	4.1		
LDG	V	22 01 32 38.5	43.1N	7.1W		4.1L		
STR	V	22 01 32 45.4	43.36N	6.36W	10	4.2L		
NEIC	mbLg4.1(MDD)							
ISC	**V**	**22 01 40 48**±1.5	**42.8N**±.11	**7.1W**±.17	**18**±24		**5**	**0-3**
MDD	V	22 01 40 48.7	42.78N	7.18W	11	2.7		**¶97v3671**
ISC	Poorly determined							
ISC	**V**	**22 01 41 12.1**±.59	**42.98N**±.048	**7.18W**±.075	**10**		**27**	**0-11**
MDD	V	22 01 41 14.8	42.83N	7.26W	7	3.6		**¶97v3672**
LDG	V	22 01 41 16.8	43.1N	7.1W		3.3L		
NEIC	V	22 01 41 22.8	43.49N	6.28W	10			
NEIC	Poor solution.							
ISC	**V**	**22 02 03 16**±1.8	**42.79N**±.091	**7.2W**±.21	**10**		**4**	**0-1**
MDD	V	22 02 03 16.6	42.78N	7.20W	10	2.9		**¶97v3675**
ISC	Poorly determined							
ISC	**V**	**22 02 03 54.7**±.65	**42.94N**±.053	**7.16W**±.084	**10**		**19**	**1-7**
MDD	V	22 02 03 58.2	42.77N	7.24W	15	3.4		**¶97v3677**
LDG	V	22 02 04 01.8	43.1N	6.8W		2.9L		
NEIC	V	22 02 04 04.4	43.43N	6.34W	10			
NEIC	Poor solution.							
ISC	**V**	**22 02 05 47**±2.4	**42.98N**±.067	**7.6W**±.23	**19**±25		**18**	**1-8**
MDD	V	22 02 05 51.3	42.82N	7.27W	5	3.2		**¶97v3678**
LDG	V	22 02 05 53.6	43.1N	7.1W		3.0L		
NEIC	V	22 02 06 00.7	43.57N	6.15W	10			
NEIC	Poor solution.							
ISC	**V**	**22 02 13 41**±1.9	**42.74N**±.091	**7.2W**±.22	**9**		**4**	**0-1**
MDD	V	22 02 13 41.9	42.77N	7.19W	9	2.8		**¶97v3679**
ISC	Poorly determined							
ISC	**V**	**22 02 14 23**±1.1	**42.82N**±.083	**7.1W**±.11	**22**±15		**8**	**0-4**
MDD	V	22 02 14 23.7	42.82N	7.19W	9	3.2		**¶97v3680**
ISC	**V**	**22 02 23 36**±1.1	**42.76N**±.075	**7.2W**±.10	**19**±18		**10**	**0-4**
MDD	V	22 02 23 36.9	42.74N	7.28W	12	3.4		**¶97v3681**
ISC	**V**	**22 02 26 55.7**±.93	**42.77N**±.080	**6.9W**±.10	**11**		**7**	**0-3**
MDD	V	22 02 26 58.7	42.76N	7.19W	11	3.0		**¶97v3682**
ISC	**V**	**22 02 34 27.1**±.61	**43.00N**±.050	**7.21W**±.077	**10**		**25**	**0-9**
MDD	V	22 02 34 29.8	42.82N	7.30W	5	3.4		**¶97v3683**
LDG	V	22 02 34 31.8	43.1N	7.2W		3.1L		
NEIC	V	22 02 34 38.1	43.50N	6.26W	10			
NEIC	Single network solution.							
ISC	**V**	**22 02 37 56.2**±.62	**42.97N**±.058	**7.16W**±.079	**10**		**22**	**0-9**
MDD	V	22 02 37 59.2	42.79N	7.24W	14	3.7		**¶97v3685**
LDG	V	22 02 38 02.5	43.1N	7.0W		2.9L		
NEIC	V	22 02 38 04.9	43.42N	6.47W	10			
NEIC	Poor solution.							
ISC	**V**	**22 02 40 09.7**±.57	**42.90N**±.049	**7.11W**±.076	**15**		**19**	**1-8**
MDD	V	22 02 40 11.4	42.82N	7.17W	15	3.3		**¶97v3686**
LDG	V	22 02 40 13.1	43.0N	7.2W		3.1L		
NEIC	V	22 02 40 19.1	43.47N	6.37W	10			
NEIC	Poor solution.							
ISC	**V**	**22 02 41 03**±1.4	**42.75N**±.085	**7.4W**±.15	**0**		**4**	**0-1**
MDD	V	22 02 41 03.7	42.77N	7.29W		3.6		**¶97v3687**
ISC	Poorly determined							
ISC	**V**	**22 02 51 19.2**±.61	**42.97N**±.050	**7.18W**±.078	**10**		**22**	**0-8**
MDD	V	22 02 51 22.1	42.79N	7.24W	9	3.3		**¶97v3688**
LDG	V	22 02 51 23.6	43.1N	7.2W		2.8L		
NEIC	V	22 02 51 29.2	43.46N	6.35W	10			
NEIC	Poor solution.							
ISC	**V**	**22 03 02 56**±1.5	**42.96N**±.037	**7.33W**±.080	**20**±16		**57**	**0-11**
LIS	V	22 03 02 59	42.77N	7.28W		3.3L		**¶97v3689**
MDD	V	22 03 02 59.4	42.77N	7.28W	13	3.5		
STR	V	22 03 03 02.2	43.10N	7.10W	10	4.1L		
LDG	V	22 03 03 02.2	43.1N	7.1W		3.5L		
NEIC	V	22 03 03 07.6	43.54N	6.18W	10			
NEIC	Single network solution.							
ISC	**V**	**22 03 05 33**±1.8	**42.81N**±.084	**7.2W**±.21	**9**		**4**	**0-1**
MDD	V	22 03 05 33.6	42.79N	7.22W	9	3.1		**¶97v3690**
ISC	Poorly determined							
ISC	**V**	**22 03 08 34**±1.1	**42.83N**±.085	**7.2W**±.12	**21**±18		**7**	**0-3**
MDD	V	22 03 08 34.7	42.79N	7.22W	13	3.2		**¶97v3691**
ISC	**V**	**22 03 25 49**±1.6	**42.8N**±.11	**7.1W**±.27	**24**±21		**5**	**0-3**
MDD	V	22 03 25 49.5	42.79N	7.21W	9	3.5		**¶97v3692**
ISC	Poorly determined							
ISC	**V**	**22 03 26 21**±1.1	**42.80N**±.090	**7.1W**±.11	**23**±15		**10**	**0-5**
MDD	V	22 03 26 21.8	42.80N	7.20W	15	3.4		**¶97v3693**
ISC	**V**	**22 03 28 46.2**±.55	**42.96N**±.051	**7.16W**±.074	**10**		**27**	**1-11**
MDD	V	22 03 28 49.8	42.76N	7.27W	7	3.9		**¶97v3694**
LDG	V	22 03 28 50.8	43.1N	7.2W		3.3L		
NEIC	V	22 03 28 56.3	43.47N	6.35W	10			
NEIC	Single network solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
MDD	**V**	**22 03 51 54.2**	**42.82N**	**7.20W**	**7**	**3.0**		**¶97v3695**
ISC	**V**	**22 03 57 27**±2.3	**42.8N**±.11	**7.2W**±.16	**10**±21		**5**	**0-3**
MDD	V	22 03 57 27.5	42.80N	7.23W	7	2.7		**¶97v3696**
ISC		Poorly determined						
ISC	**V**	**22 03 58 52.1**±.60	**42.94N**±.035	**7.32W**±.077	**17**		**48**	**1-9**
NEIC	V	22 03 58 53.2	42.88N	7.14W	10			**¶97v3698**
MDD	V	22 03 58 55.6	42.81N	7.30W	17	3.7		
STR	V	22 03 58 58.2	43.10N	7.10W	2	4.1L		
LDG	V	22 03 58 58.2	43.1N	7.1W		3.6L		
NEIC		mbLg3.8(MDD)						
ISC	**V**	**22 04 03 47.7**±.92	**42.98N**±.063	**7.4W**±.13	**88**±19		**24**	**0-9**
MDD	V	22 04 03 49.1	42.81N	7.23W	9	3.5		**¶97v3700**
LDG	V	22 04 03 52.1	43.1N	7.0W		3.2L		
NEIC	V	22 04 03 58.6	43.60N	6.12W	10			
NEIC		Poor solution.						
ISC	**V**	**22 04 17 44**±1.4	**42.84N**±.085	**7.2W**±.15	**8**±15		**6**	**0-3**
MDD	V	22 04 17 45.4	42.81N	7.26W	6	3.0		**¶97v3701**
ISC	**V**	**22 04 18 22**±2.1	**42.79N**±.094	**7.1W**±.26	**12**		**4**	**0-1**
MDD	V	22 04 18 22.8	42.77N	7.14W	12	2.9		**¶97v3702**
ISC		Poorly determined						
ISC	**V**	**22 04 20 02**±2.3	**42.8N**±.11	**7.2W**±.16	**10**±21		**5**	**0-3**
MDD	V	22 04 20 03.5	42.78N	7.28W	7	2.8		**¶97v3703**
ISC		Poorly determined						
MDD	**V**	**22 04 25 34.4**	**42.77N**	**7.23W**		**2.9**		**¶97v3704**
ISC	**V**	**22 04 49 01**±1.6	**42.77N**±.096	**7.2W**±.19	**16**		**4**	**0-1**
MDD	V	22 04 49 01.8	42.78N	7.24W	16	2.9		**¶97v3706**
ISC		Poorly determined						
ISC	**V**	**22 04 50 52**±2.1	**42.84N**±.093	**7.2W**±.15	**9**±18		**6**	**0-3**
MDD	V	22 04 50 53.3	42.82N	7.23W	2	3.2		**¶97v3708**
ISC	**V**	**22 05 06 49.3**±.27	**42.90N**±.020	**7.18W**±.037	**10**	**4.1b**	**153**	**1-153**
STR	V	22 05 06 48.0	43.03N	7.70W	10	5.0L		**¶97v3710**
MOS	V	22 05 06 49.9	42.9N	7.1W	11	4.0b		
NEIC	V	22 05 06 50.3	42.89N	7.17W	10	4.1b		
EIDC	V	22 05 06 50.4	42.9N	7.2W	0	4.1b,4.6L		
MDD	V	22 05 06 52.2	42.81N	7.23W	9	4.3		
LDG	V	22 05 06 53.4	43.0N	7.2W		4.6L		
LIS	V	22 05 06 54	42.73N	7.23W		4.3L		
NEIC		mbLg4.2(MDD).						
LIS		Felt I=III MM Moncao, Bragsanca, Terras do Bouro, Geres, Braga						
MDD	**V**	**22 05 40 54.2**	**42.77N**	**7.22W**		**2.5**		**¶97v3715**
ISC	**V**	**22 05 54 37**±1.3	**42.8N**±.13	**7.3W**±.10	**0**		**5**	**0-4**
MDD	V	22 05 54 38.5	42.74N	7.29W		3.0		**¶97v3716**
ISC	**V**	**22 06 10 32**±2.0	**42.8N**±.10	**7.2W**±.14	**12**±21		**6**	**0-4**
MDD	V	22 06 10 33.2	42.79N	7.30W	5	3.0		**¶97v3717**
ISC	**V**	**22 06 12 08**±1.5	**42.80N**±.089	**7.2W**±.16	**7**±18		**5**	**0-3**
MDD	V	22 06 12 08.9	42.78N	7.24W	3	2.9		**¶97v3718**
ISC		Poorly determined						
ISC	**V**	**22 06 13 17.0**±.94	**42.83N**±.076	**7.00W**±.099	**7**		**7**	**0-4**
MDD	V	22 06 13 19.3	42.81N	7.20W	7	3.4		**¶97v3719**
MDD	**V**	**22 06 55 37.8**	**42.77N**	**7.26W**		**2.9**		**¶97v3724**
ISC	**V**	**22 07 09 30.7**±.82	**42.78N**±.075	**7.01W**±.080	**11**		**8**	**0-4**
MDD	V	22 07 09 32.8	42.76N	7.17W	11	2.9		**¶97v3726**
ISC	**V**	**22 07 12 38**±1.1	**42.74N**±.090	**7.2W**±.14	**20**±17		**8**	**0-4**
MDD	V	22 07 12 38.9	42.77N	7.21W	16	3.3		**¶97v3727**
ISC	**V**	**22 07 46 21**±1.1	**42.79N**±.090	**7.2W**±.13	**22**±17		**7**	**0-4**
MDD	V	22 07 46 21.9	42.78N	7.26W	11	3.3		**¶97v3732**
ISC	**V**	**22 08 04 16**±3.7	**42.9N**±.21	**7.3W**±.12	**9**±44		**6**	**1-4**
MDD	V	22 08 04 17.3	42.90N	7.33W	10	2.7		**¶97v3736**
ISC	**V**	**22 08 53 50**±1.8	**42.80N**±.081	**7.2W**±.10	**13**±15		**9**	**0-5**
MDD	V	22 08 53 51.0	42.80N	7.25W	9	3.3		**¶97v3744**
ISC	**V**	**22 10 31 52**±1.5	**42.81N**±.090	**7.2W**±.15	**9**±18		**5**	**0-3**
MDD	V	22 10 31 52.8	42.81N	7.25W	3	3.2		**¶97v3758**
ISC		Poorly determined						
ISC	**V**	**22 10 32 33**±1.5	**42.78N**±.084	**7.3W**±.16	**0**		**4**	**0-1**
MDD	V	22 10 32 33.5	42.80N	7.31W		2.9		**¶97v3759**
ISC		Poorly determined						
ISC	**V**	**22 10 57 23**±1.2	**42.82N**±.097	**7.2W**±.15	**24**±17		**6**	**0-4**
MDD	V	22 10 57 23.8	42.81N	7.24W	14	3.2		**¶97v3761**
ISC	**V**	**22 12 13 05.0**±.86	**42.81N**±.069	**7.2W**±.10	**7**		**7**	**0-3**
MDD	V	22 12 13 06.5	42.80N	7.22W	7	3.1		**¶97v3769**
ISC	**V**	**22 14 09 46**±1.4	**42.94N**±.038	**7.28W**±.079	**21**±15		**46**	**0-9**
LIS	V	22 14 09 49	42.75N	7.29W	15	3.7L		**¶97v3779**
MDD	V	22 14 09 49.2	42.75N	7.28W	13	3.7		
STR	V	22 14 09 50.5	43.10N	7.10W	2	4.2L		
LDG	V	22 14 09 50.5	43.1N	7.1W		3.8L		
NEIC	V	22 14 09 56.6	43.52N	6.24W	10			
LIS		Felt I=III MM Geres						
NEIC		Single network solution.						
ISC	**V**	**22 14 41 15**±1.0	**42.86N**±.058	**7.21W**±.093	**22**±13		**13**	**0-7**
MDD	V	22 14 41 15.5	42.78N	7.25W	4	3.2		**¶97v3783**
ISC	**V**	**22 16 16 43**±1.2	**42.79N**±.096	**7.2W**±.16	**23**±17		**6**	**0-3**
MDD	V	22 16 16 43.7	42.78N	7.23W	14	3.5		**¶97v3795**
MDD	**V**	**22 16 39 18.1**	**42.81N**	**7.25W**		**3.1**		**¶97v3802**
ISC	**V**	**22 16 52 57.2**±.99	**42.89N**±.061	**7.16W**±.085	**30**±12		**18**	**0-8**
MDD	V	22 16 52 58.1	42.78N	7.23W	9	3.3		**¶97v3805**
LDG	V	22 16 52 58.4	43.0N	7.2W		2.9L		
ISC	**V**	**22 17 05 23.7**±.59	**42.96N**±.041	**7.15W**±.071	**4**		**34**	**0-9**
MDD	V	22 17 05 27.5	42.77N	7.23W	4	3.6		**¶97v3807**
STR	V	22 17 05 30.8	43.10N	6.9W	2	3.9L		
LDG	V	22 17 05 30.8	43.1N	6.9W		3.5L		
NEIC	V	22 17 05 31.7	43.31N	6.53W	10			
NEIC		Poor solution.						
ISC	**V**	**22 17 42 50**±2.2	**42.8N**±.11	**7.2W**±.16	**12**±20		**5**	**0-3**
MDD	V	22 17 42 50.7	42.81N	7.22W	9	3.0		**¶97v3810**
ISC		Poorly determined						
ISC	**V**	**22 18 06 22**±1.6	**42.77N**±.098	**7.3W**±.20	**17**		**4**	**0-1**
MDD	V	22 18 06 22.6	42.77N	7.23W	17	3.0		**¶97v3811**
ISC		Poorly determined						
ISC	**V**	**22 18 17 39**±1.1	**42.84N**±.058	**7.13W**±.088	**23**±14		**14**	**0-7**
MDD	V	22 18 17 40.0	42.80N	7.22W	9	3.3		**¶97v3812**
LDG	V	22 18 17 43.2	43.1N	7.0W		2.8L		
ISC	**V**	**22 18 31 10**±1.0	**42.88N**±.062	**7.16W**±.086	**24**±14		**14**	**0-7**
MDD	V	22 18 31 10.7	42.82N	7.21W	9	3.6		**¶97v3813**
LDG	V	22 18 31 16.7	43.1N	6.7W		2.7L		
ISC	**V**	**22 19 03 44**±1.1	**42.81N**±.072	**7.1W**±.11	**18**±19		**13**	**0-7**
MDD	V	22 19 03 44.6	42.80N	7.17W	9	3.3		**¶97v3820**
LDG	V	22 19 03 44.6	43.0N	7.3W		2.7L		
ISC	**V**	**22 20 15 08**±2.2	**42.77N**±.094	**7.1W**±.27	**12**		**4**	**0-1**
MDD	V	22 20 15 08.7	42.78N	7.19W	12	3.2		**¶97v3830**
ISC		Poorly determined						
MDD	**V**	**22 20 41 43.9**	**42.78N**	**7.28W**		**3.5**		**¶97v3832**
ISC	**V**	**22 21 57 22**±1.4	**42.81N**±.077	**7.3W**±.16	**0**		**5**	**0-3**
MDD	V	22 21 57 22.8	42.78N	7.27W		3.0		**¶97v3838**
MDD	**V**	**22 22 54 02.5**	**42.75N**	**7.18W**		**2.8**		**¶97v3844**
ISC	**V**	**22 22 56 24**±1.5	**42.96N**±.049	**7.13W**±.075	**4**±13		**33**	**0-11**
NEIC	V	22 22 56 25.6	42.93N	7.14W	10			**¶97v3845**
MDD	V	22 22 56 27.4	42.84N	7.29W	6	3.5		
LDG	V	22 22 56 30.1	43.1N	7.0W		3.2L		
NEIC		mbLg3.5(MDD)						
ISC	**V**	**23 00 39 08.5**±.96	**42.91N**±.026	**7.22W**±.053	**23**±10	**3.5b**	**76**	**1-68**
EIDC	V	23 00 39 07.3	42.8N	7.4W	0	3.6b,3.8L		**¶97v3851**
NEIC	V	23 00 39 07.6	42.92N	7.22W	10			
MDD	V	23 00 39 10.3	42.84N	7.25W	8	3.9		
LDG	V	23 00 39 12.8	43.1N	7.1W		4.1L		
STR	V	23 00 39 22.8	43.50N	6.14W	10	3.7L		
NEIC		mbLg3.8(MDD).						
ISC	**V**	**23 00 57 36.4**±.62	**42.98N**±.052	**7.22W**±.079	**10**		**19**	**0-7**
NEIC	V	23 00 57 37.3	42.92N	7.09W	10			**¶97v3856**
MDD	V	23 00 57 39.0	42.83N	7.26W	5	3.4		
NEIC		mbLg3.5(MDD).						
MDD	**V**	**23 00 58 41.3**	**42.81N**	**7.17W**	**21**	**3.6**		**¶97v3857**
MDD	**V**	**23 04 06 36.4**	**42.78N**	**7.24W**		**2.9**		**¶97v3881**
ISC	**V**	**23 05 18 40**±1.1	**42.78N**±.078	**7.3W**±.13	**6**		**5**	**0-3**
MDD	V	23 05 18 41.1	42.80N	7.30W	6	2.7		**¶97v3893**
ISC	**V**	**23 05 22 21**±1.0	**42.79N**±.080	**7.2W**±.13	**14**		**7**	**0-3**
MDD	V	23 05 22 21.8	42.79N	7.24W	14	3.5		**¶97v3894**
ISC	**V**	**23 05 24 16**±1.0	**42.80N**±.081	**7.1W**±.14	**15**		**7**	**0-3**
MDD	V	23 05 24 16.8	42.80N	7.22W	15	3.2		**¶97v3895**
ISC	**V**	**23 07 08 11**±1.6	**42.76N**±.084	**7.2W**±.17	**0**		**4**	**0-1**
MDD	V	23 07 08 11.5	42.75N	7.23W		2.8		**¶97v3906**
ISC		Poorly determined						
ISC	**V**	**23 08 16 12**±1.6	**37.1N**±.15	**5.5W**±.10	**0**±26		**8**	**0-2**
MDD	V	23 08 16 13.5	37.06N	5.53W	6	2.8		**¶97v3916**
ISC	**V**	**23 09 03 33**±1.5	**42.79N**±.084	**7.3W**±.16	**0**		**4**	**0-1**
MDD	V	23 09 03 33.7	42.79N	7.28W		2.8		**¶97v3924**
ISC		Poorly determined						
ISC	**V**	**23 10 57 33**±2.4	**42.84N**±.088	**7.1W**±.30	**9**		**4**	**0-1**
MDD	V	23 10 57 34.4	42.80N	7.07W	9	2.5		**¶97v3940**
ISC		Poorly determined						
ISC	**V**	**23 13 03 35**±1.5	**42.81N**±.083	**7.3W**±.17	**0**		**4**	**0-1**
MDD	V	23 13 03 35.2	42.82N	7.24W		3.4		**¶97v3954**
ISC		Poorly determined						
ISC	**V**	**23 13 30 42.7**±.96	**42.88N**±.047	**7.16W**±.078	**28**±12		**25**	**0-9**
MDD	V	23 13 30 43.9	42.79N	7.23W	9	3.7		**¶97v3961**
LDG	V	23 13 30 46.2	43.1N	7.1W		3.3L		
NEIC	V	23 13 30 46.8	43.24N	6.70W	10			
MDD		Felt I=III MSK						
NEIC		Poor solution.						
NEIC		Felt I=III MM in the Sarria-Becerrea area.						
MDD	**V**	**23 15 43 10.6**	**42.77N**	**7.17W**		**3.1**		**¶97v3966**
ISC	**V**	**23 18 14 39.4**±.18	**42.87N**±.017	**7.10W**±.028	**10**	**4.6b**	**252**	**0-153**
NEIC	V	23 18 14 39.5	42.90N	7.07W	10	4.7b		**¶97v3980**
EIDC	V	23 18 14 39.5	42.8N	7.2W	0	4.4b,4.5L		
MOS	V	23 18 14 41.3	42.9N	7.1W	27	5.0b		
MDD	V	23 18 14 42.2	42.79N	7.24W	9	4.4		
LIS	V	23 18 14 43	42.82N	7.00W	14	4.5L		
BJI	V	23 18 14 43.9	43.62N	6.37W	5	4.6b		
LDG	V	23 18 14 44.2	43.0N	7.0W		4.9L		
STR	V	23 18 14 48.1	43.30N	6.64W	10	5.0L		
NEIC		mbLg4.5(MDD).						
MDD		Felt I=III MSK						
LIS		Felt I=III MM Melgaco, Moncao, Geres, Chaves, Braganca, Braga, Vila Real, Guarda, Covilha, Coimbra						
ISC	**V**	**23 20 03 36**±1.5	**42.81N**±.084	**7.3W**±.16	**0**		**4**	**0-1**
MDD	V	23 20 03 36.9	42.81N	7.26W		3.0		**¶97v3999**
ISC		Poorly determined						
MDD	**V**	**24 01 15 02.7**	**42.80N**	**7.26W**		**2.7**		**¶97v4029**
ISC	**V**	**24 01 38 38**±1.3	**39.20N**±.077	**0.8W**±.15	**9**		**8**	**0-3**
MDD	V	24 01 38 38.9	39.25N	0.75W	9	2.8		**¶97v4034**
ISC	**V**	**24 08 46 05**±1.4	**42.8N**±.11	**7.2W**±.16	**19**±24		**5**	**0-3**
MDD	V	24 08 46 05.0	42.82N	7.19W	14	3.5		**¶97v4086**
ISC		Poorly determined						
MDD		Felt I=II−III MSK						
MDD	**V**	**24 16 22 59.5**	**42.77N**	**7.22W**	**12**	**2.7**		**¶97v4137**
ISC	**V**	**24 18 33 31**±1.0	**42.97N**±.049	**7.17W**±.083	**29**±13		**22**	**0-9**
LIS	V	24 18 33 32	42.82N	7.23W		3.0L		**¶97v4154**
MDD	V	24 18 33 32.3	42.82N	7.24W	8	3.4		
LDG	V	24 18 33 34.7	43.2N	7.1W		3.2L		
MDD		Felt I=III MSK						
ISC	**V**	**24 18 42 27.2**±.95	**42.93N**±.040	**7.18W**±.078	**32**±11		**33**	**1-9**
MDD	V	24 18 42 28.7	42.83N	7.24W	12	3.4		**¶97v4155**
LIS	V	24 18 42 29	42.82N	7.25W		3.1L		
LDG	V	24 18 42 31.4	43.1N	7.0W		3.3L		
MDD		Felt I=III−IV MSK						
MDD	**V**	**24 19 44 47.2**	**42.78N**	**7.22W**	**9**	**3.0**		**¶97v4161**
MDD	**V**	**24 23 04 30.2**	**42.83N**	**7.27W**	**10**	**2.7**		**¶97v4182**
MDD	**V**	**24 23 20 32.3**	**42.79N**	**7.22W**	**11**	**3.0**		**¶97v4183**
MDD	**V**	**24 23 28 46.1**	**42.85N**	**7.27W**		**3.1**		**¶97v4184**
MDD	**V**	**24 23 28 57.7**	**42.82N**	**7.24W**	**6**	**2.7**		**¶97v4185**
ISC	**V**	**25 00 36 54.0**±.52	**42.95N**±.039	**7.13W**±.071	**12**		**30**	**1-9**
MDD	V	25 00 36 56.7	42.79N	7.20W	12	3.6		**¶97v4191**
LIS	V	25 00 36 57	42.46N	7.20W		3.1L		
LDG	V	25 00 36 59.1	43.0N	7.0W		3.2L		
MDD		Felt I=II−III MSK						
LIS		Felt I=II MM Chaves, Geres, Braga						
MDD	**V**	**25 01 15 08.6**	**42.80N**	**7.26W**	**9**	**2.4**		**¶97v4195**
MDD	**V**	**25 02 30 31.9**	**42.77N**	**7.18W**	**8**	**2.8**		**¶97v4207**
MDD	**V**	**25 08 11 41.7**	**42.80N**	**7.23W**	**12**	**3.0**		**¶97v4241**
MDD		Felt I=II−III MSK						
NEIC		Felt I=II−III MSK (after STS)						
ISC	**V**	**25 09 17 22.6**±.92	**37.10N**±.082	**3.94W**±.072	**36**±21		**14**	**0-4**
MDD	V	25 09 17 23.3	37.08N	3.94W	29	3.1		**¶97v4251**
ISC	**V**	**25 17 21 50.7**±.50	**42.92N**±.030	**7.23W**±.065	**12**		**61**	**1-11**
NEIC	V	25 17 21 51.3	43.00N	7.19W	10			**¶97v4304**
MDD	V	25 17 21 54.0	42.82N	7.26W	12	3.8		
LIS	V	25 17 21 54	42.82N	7.25W	13	3.8L		
STR	V	25 17 21 56.1	43.10N	7.20W	5	4.3L		
LDG	V	25 17 21 56.1	43.1N	7.2W		3.8L		
NEIC		mbLg3.9(MDD)						
NEIC		Felt I=IV MM in the Sarria-Becerrea area.						

MDD Felt I=III−IV MSK
MDD V 25 18 28 36.7 42.80N 7.21W 10 2.8 ¶97v4306
MDD Felt I=II MSK
NEIC Felt I=II MSK (after STS)
ISC V 25 23 53 51±1.1 **42.78N**±.070 **7.2W**±.18 **5 8 0-4**
LIS V 25 23 53 52 42.77N 7.22W 5 2.7L **¶97v4336**
MDD V 25 23 53 52.5 42.77N 7.21W 9 3.7
MDD V 26 00 06 10.4 42.81N 7.26W 14 2.8 ¶97v4338
MDD V 26 04 28 37.3 42.76N 7.22W 10 3.0 ¶97v4364
MDD V 26 06 19 02.4 42.76N 7.22W 9 3.2 ¶97v4376
MDD V 26 06 43 34.1 42.79N 7.25W 13 2.8 ¶97v4379
ISC V 26 15 05 58±1.2 **37.03N**±.085 **4.1W**±.14 **8 4 0-1**
MDD V 26 15 05 58.8 37.02N 4.20W 8 2.5 **¶97v4429**
ISC Poorly determined
MDD V 26 18 20 57.5 42.81N 7.23W 10 2.9 ¶97v4449
MDD V 27 00 08 43.4 42.77N 7.22W 2.8 ¶97v4491
MDD V 27 00 09 41.7 42.77N 7.25W 8 2.7 ¶97v4492
ISC V 27 06 19 41±1.2 **42.80N**±.059 **7.18W**±.099 **8**±12 **13 0-5**
LIS V 27 06 19 42 42.78N 7.22W 2.7L **¶97v4522**
MDD V 27 06 19 42.2 42.78N 7.22W 5 3.0
MDD Felt I=II MSK
ISC V 27 23 15 22±1.3 **42.80N**±.091 **7.2W**±.18 **9 4 0-3**
MDD V 27 23 15 22.6 42.79N 7.24W 9 3.4 **¶97v4622**
ISC Poorly determined
ISC V 28 02 44 56±1.3 **42.83N**±.098 **7.2W**±.18 **11 4 0-3**
MDD V 28 02 44 57.7 42.78N 7.25W 11 3.3 **¶97v4647**
ISC Poorly determined
MDD Felt I=II MSK
MDD V 28 12 00 38.9 42.81N 7.18W 16 2.9 ¶97v4715
ISC V 28 20 03 47±1.3 **42.81N**±.087 **7.1W**±.15 **9 5 0-3**
MDD V 28 20 03 48.5 42.79N 7.18W 9 3.2 **¶97v4769**
ISC V 29 00 37 04±2.0 **42.72N**±.084 **7.1W**±.23 **0 4 0-1**
MDD V 29 00 37 04.3 42.73N 7.10W 2.6 **¶97v4792**
ISC Poorly determined
ISC V 29 03 18 05±1.6 **42.81N**±.084 **7.2W**±.19 **8 4 0-1**
MDD V 29 03 18 05.5 42.80N 7.28W 8 3.0 **¶97v4809**
ISC Poorly determined
MDD V 29 03 18 24.6 42.80N 7.25W 12 2.9 ¶97v4810
MDD V 29 15 09 17.4 39.05N 2.73W 9 2.9 ¶97v4887
MDD V 29 21 56 19.0 42.82N 7.24W 3.1 ¶97v4927
MDD Felt I=II MSK
ISC V 29 22 22 55.6±.85 **42.78N**±.067 **7.2W**±.10 **6 11 0-5**
MDD V 29 22 22 57.1 42.77N 7.26W 6 3.5 **¶97v4929**
MDD Felt I=III MSK
ISC V 30 01 49 21.1±.60 **42.95N**±.036 **7.20W**±.076 **14 42 1-11**
NEIC V 30 01 49 23.5 42.79N 7.27W 10 **¶97v4958**
MDD V 30 01 49 24.0 42.81N 7.21W 14 3.4
STR V 30 01 49 27.1 43.10N 7.0W 5 4.0L
LDG V 30 01 49 27.1 43.1N 7.0W 3.5L
NEIC mbLg3.6(MDD). Single network solution.
NEIC Felt I=III MM in the Sarria-Becerrea area.
MDD Felt I=III MSK
ISC V 30 07 49 20±1.4 **42.94N**±.039 **7.29W**±.085 **20**±16 **50 1-9**
MDD V 30 07 49 22.9 42.82N 7.27W 13 3.4 **¶97v4997**
LIS V 30 07 49 23 42.78N 7.25W 3.1L
STR V 30 07 49 24.7 43.0N 7.20W 5 4.0L
LDG V 30 07 49 24.7 43.0N 7.2W 3.6L
MDD Felt I=III MSK
ISC V 30 20 48 25.3±.69 **42.98N**±.048 **7.15W**±.092 **7 24 0-9**
LDG V 30 20 48 30.0 43.1N 7.2W 3.3L **¶97v5097**
MDD V 30 20 48 30.8 42.56N 7.44W 7 3.3
MDD V 30 20 49 05.2 42.56N 7.58W 3.9 ¶97v5098
MDD V 30 20 51 09.7 42.53N 7.12W 3.0 ¶97v5099
ISC V 31 04 21 30±2.8 **42.7N**±.27 **7.2W**±.26 **18 4 0-3**
MDD V 31 04 21 31.3 42.71N 7.30W 18 2.9 **¶97v5148**
ISC Poorly determined
ISC V 31 06 12 05±1.3 **42.4N**±.20 **7.5W**±.18 **13 4 0-3**
MDD V 31 06 12 05.9 42.51N 7.43W 13 2.9 **¶97v5155**
ISC Poorly determined
MDD V 31 16 32 08.9 42.72N 7.30W 6 2.8 ¶97v5209
ISC VI 02 05 21 48.7±.94 **37.43N**±.053 **2.21W**±.090 **0**±9.9 **17 0-4**
MDD VI 02 05 21 50.2 37.41N 2.21W 1 3.0 **¶97vi0187**
MDD Felt I=II−III MSK
NEIC Felt I=II−III MSK (after ETOR)
ISC VI 02 19 56 01±6.9 **37.8N**±.16 **2.6W**±.25 **7**±54 **7 1-3**
MDD VI 02 19 56 02.3 37.83N 2.59W 2 2.6 **¶97vi0306**
ISC VI 03 00 12 28±2.6 **42.7N**±.23 **7.3W**±.19 **24**±16 **6 0-3**
MDD VI 03 00 12 28.8 42.75N 7.28W 14 3.2 **¶97vi0356**
MDD Felt I=II MSK
NEIC Felt I=II MSK (after GUD)
ISC VI 03 02 04 11.6±.79 **37.22N**±.063 **3.73W**±.057 **3**±10 **12 0-2**
MDD VI 03 02 04 12.5 37.22N 3.75W 2 2.6 **¶97vi0371**
ISC VI 03 17 19 08±2.9 **37.3N**±.28 **3.7W**±.13 **16 4 0-1**
MDD VI 03 17 19 08.4 37.34N 3.77W 16 2.2 **¶97vi0496**
ISC Poorly determined
ISC VI 03 19 21 26±1.8 **37.0N**±.18 **4.0W**±.16 **25 4 0-0**
MDD VI 03 19 21 26.0 37.04N 3.96W 25 2.2 **¶97vi0506**
ISC Poorly determined
ISC VI 04 20 28 09.5±.94 **42.89N**±.052 **7.13W**±.093 **29**±12 **19 1-8**
MDD VI 04 20 28 10.4 42.82N 7.16W 16 3.5 **¶97vi0670**
LDG VI 04 20 28 15.1 43.2N 6.8W 2.9L
MDD Felt I=III−IV MSK
NEIC Felt I=III−IV (after GUD)
ISC VI 05 09 07 52±1.5 **42.82N**±.090 **7.3W**±.15 **8**±19 **5 0-3**
MDD VI 05 09 07 53.0 42.80N 7.23W 9 3.3 **¶97vi0740**
ISC Poorly determined
ISC VI 05 09 58 44±1.6 **42.76N**±.092 **7.2W**±.19 **11 4 0-1**
MDD VI 05 09 58 45.0 42.76N 7.20W 11 3.3 **¶97vi0747**
ISC Poorly determined
ISC VI 05 09 59 16±1.6 **42.79N**±.084 **7.2W**±.19 **9 5 0-3**
MDD VI 05 09 59 17.3 42.78N 7.21W 9 3.3 **¶97vi0748**
ISC VI 05 12 43 08±4.0 **37.7N**±.17 **2.4W**±.34 **2 4 0-2**
MDD VI 05 12 43 11.2 37.80N 2.59W 2 2.6 **¶97vi0767**
ISC Poorly determined
ISC VI 05 22 22 22.0±.99 **42.81N**±.073 **7.2W**±.13 **12 8 0-3**
MDD VI 05 22 22 23.3 42.79N 7.23W 12 3.5 **¶97vi0838**
MDD Felt I=II−III MSK
ISC VI 06 12 16 53±1.2 **37.19N**±.098 **3.6W**±.12 **7**±15 **5 0-2**
MDD VI 06 12 16 53.8 37.19N 3.63W 2 2.6 **¶97vi0936**
ISC Poorly determined
MDD Felt I=II MSK
ISC VI 08 01 20 40±1.0 **42.82N**±.080 **7.2W**±.13 **15 8 0-3**
MDD VI 08 01 20 40.8 42.80N 7.24W 15 3.2 **¶97vi1161**
MDD Felt I=II−III MSK
ISC VI 08 10 41 55.4±.52 **37.05N**±.039 **5.40W**±.056 **2 17 0-3**
MDD VI 08 10 41 56.5 36.98N 5.41W 2 2.9 **¶97vi1222**
ISC VI 08 11 02 38.7±.92 **37.06N**±.054 **5.44W**±.041 **7**±9.2 **31 0-5**
MDD VI 08 11 02 39.6 36.99N 5.46W 2 3.2 **¶97vi1226**
LIS VI 08 11 02 40 36.37N 5.47W 3.1L
ISC VI 08 13 13 59±1.2 **38.40N**±.051 **1.18W**±.059 **21**±15 **32 1-9**
MDD VI 08 13 13 59.4 38.37N 1.16W 3 3.5 **¶97vi1245**
LDG VI 08 13 14 04.0 38.6N 1.2W 3.2L
MDD Felt I=II MSK
ISC VI 08 23 55 37±1.9 **42.81N**±.084 **7.2W**±.22 **6 4 0-1**
MDD VI 08 23 55 38.2 42.81N 7.21W 6 3.3 **¶97vi1301**
ISC Poorly determined
MDD Felt I=II−III MSK
ISC VI 10 08 41 30±1.7 **42.81N**±.074 **7.1W**±.21 **4 5 0-2**
MDD VI 10 08 41 30.8 42.78N 7.17W 4 3.2 **¶97vi1498**
ISC VI 11 12 49 38±2.3 **42.78N**±.094 **7.1W**±.29 **12 5 0-3**
MDD VI 11 12 49 39.2 42.78N 7.12W 12 3.4 **¶97vi1692**
ISC Poorly determined
ISC VI 13 14 21 54±1.9 **42.77N**±.084 **6.8W**±.15 **1**±18 **7 0-3**
MDD VI 13 14 21 56.1 42.75N 6.88W 5 2.8 **¶97vi2002**
ISC VI 13 14 23 12±1.3 **42.82N**±.096 **7.2W**±.15 **21**±20 **7 0-4**
MDD VI 13 14 23 12.2 42.82N 7.22W 11 3.4 **¶97vi2004**
MDD Felt I=II−III MSK
NEIC Felt I=III−IV (after GUD)
MDD VI 15 07 04 41.4 42.80N 7.20W 19 2.9 ¶97vi2255
ISC VI 15 19 24 14.9±.72 **37.12N**±.058 **3.97W**±.047 **4**±8.1 **16 0-4**
NEIC VI 15 19 24 14.8 37.12N 3.99W 5 **¶97vi2347**
MDD VI 15 19 24 15.4 37.10N 3.99W 3 3.0
NEIC mbLg3.0(MDD), Single network solution.
ISC VI 16 11 13 43±1.6 **42.3N**±.15 **7.9W**±.13 **13 4 1-1**
MDD VI 16 11 13 43.1 42.26N 7.94W 13 3.1 **¶97vi2445**
ISC Poorly determined
ISC VI 16 13 02 35.2±.74 **37.09N**±.055 **4.28W**±.056 **6**±8.2 **19 0-4**
NEIC VI 16 13 02 35.5 37.11N 4.28W 10 **¶97vi2465**
MDD VI 16 13 02 36.1 37.10N 4.28W 1 3.3
NEIC mbLg3.2(MDD), Single network solution.
ISC VI 18 16 08 47±1.2 **37.8N**±.18 **6.6W**±.11 **5 8 0-2**
MDD VI 18 16 08 48.5 37.70N 6.54W 5 2.9 **¶97vi2804**
LIS VI 18 16 08 49 37.77N 6.58W 1.9L
ISC VI 20 03 20 12±6.0 **42.4N**±.11 **9.0W**±.69 **37**±49 **6 0-4**
MDD VI 20 03 20 13.1 42.44N 8.96W 29 3.2 **¶97vi3001**
ISC VI 20 07 19 24.6±.79 **37.03N**±.047 **5.40W**±.054 **5**±9.8 **19 0-4**
MDD VI 20 07 19 25.5 36.98N 5.43W 2 2.9 **¶97vi3023**
ISC VI 20 23 41 36±2.5 **42.8N**±.21 **7.3W**±.17 **15 6 0-3**
MDD VI 20 23 41 37.3 42.71N 7.34W 15 3.0 **¶97vi3122**
MDD Felt I=II MSK
NEIC Felt I=II MSK (after GUD)
ISC VI 21 06 30 33±1.2 **42.81N**±.074 **7.1W**±.16 **9 7 0-3**
MDD VI 21 06 30 34.3 42.78N 7.22W 9 3.1 **¶97vi3166**
MDD Felt I=II−III MSK
NEIC Felt I=III MSK (after GUD)
ISC VI 21 09 59 04.6±.84 **37.15N**±.070 **3.79W**±.061 **7**±9.9 **10 0-2**
MDD VI 21 09 59 05.5 37.15N 3.78W 6 3.0 **¶97vi3196**
ISC VI 24 21 42 54.2±.84 **37.19N**±.070 **3.93W**±.067 **8**±10 **9 0-2**
MDD VI 24 21 42 54.7 37.15N 3.95W 2 2.9 **¶97vi3788**
ISC VI 25 04 21 14.4±.92 **37.22N**±.063 **3.92W**±.058 **0**±13 **10 0-2**
MDD VI 25 04 21 15.4 37.19N 3.91W 9 3.1 **¶97vi3846**
MDD Felt I=II MSK
NEIC Felt I=II MSK (after EVIA)
ISC VI 25 05 43 36±1.3 **37.2N**±.13 **4.0W**±.15 **12**±19 **5 0-1**
MDD VI 25 05 43 37.0 37.18N 3.97W 9 2.4 **¶97vi3854**
ISC Poorly determined
ISC VI 25 13 33 47.3±.77 **37.24N**±.072 **3.67W**±.080 **12**±8.3 **12 0-3**
MDD VI 25 13 33 48.3 37.28N 3.69W 8 2.6 **¶97vi3946**
ISC VI 25 23 52 23.0±.76 **37.19N**±.067 **3.92W**±.061 **11**±8.6 **11 0-2**
MDD VI 25 23 52 23.7 37.18N 3.93W 11 2.9 **¶97vi4048**
ISC VI 26 00 08 52±1.3 **37.2N**±.11 **3.9W**±.11 **7**±27 **5 0-1**
NEIC VI 26 00 08 51.8 37.21N 3.93W 10 **¶97vi4051**
MDD VI 26 00 08 52.8 37.21N 3.93W 6 2.1
ISC Poorly determined
NEIC mbLg2.0(MDD), Single network solution.
ISC VI 26 00 24 10±1.1 **42.81N**±.070 **7.2W**±.15 **10 9 0-3**
NEIC VI 26 00 24 10.4 42.82N 7.19W 10 **¶97vi4056**
MDD VI 26 00 24 11.8 42.80N 7.21W 10 3.1
LIS VI 26 00 24 12 42.80N 7.22W 2.6L
NEIC mbLg3.1(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area (after GUD)
MDD Felt I=II MSK
ISC VI 26 21 52 07±1.6 **39.5N**±.11 **0.6W**±.16 **10 6 0-3**
NEIC VI 26 21 52 06.6 39.48N 0.60W 10 **¶97vi4204**
MDD VI 26 21 52 07.2 39.48N 0.61W 4 2.9
NEIC mbLg2.8(MDD), Single network solution.
ISC VI 27 09 27 40.1±.82 **37.03N**±.060 **5.43W**±.049 **6**±8.7 **21 0-3**
NEIC VI 27 09 27 40.1 37.00N 5.42W 5 **¶97vi4269**
MDD VI 27 09 27 41.1 36.99N 5.44W 5 3.0
LIS VI 27 09 27 42 37.00N 5.45W 2.8L
NEIC mbLg3.0(MDD), Single network solution.
ISC VI 28 04 52 07±1.5 **42.78N**±.092 **7.3W**±.18 **10 4 0-1**
NEIC VI 28 04 52 06.8 42.78N 7.29W 10 **¶97vi4415**
MDD VI 28 04 52 07.4 42.78N 7.21W 2.9
ISC Poorly determined
NEIC mbLg2.6(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK
ISC VI 28 04 53 08±1.4 **42.85N**±.085 **7.4W**±.16 **10 4 0-1**
NEIC VI 28 04 53 07.9 42.85N 7.38W 10 **¶97vi4416**
MDD VI 28 04 53 08.8 42.84N 7.34W 15 3.2
ISC Poorly determined
NEIC mbLg3.2(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK
ISC VI 28 04 53 53±1.6 **42.65N**±.094 **7.2W**±.19 **10 4 0-1**
NEIC VI 28 04 53 53.1 42.65N 7.23W 10 **¶97vi4417**
MDD VI 28 04 53 53.9 42.67N 7.19W 3.1
ISC Poorly determined
NEIC mbLg3.1(MDD). Poor solution.
NEIC Felt I=II MM in the Sarria-Becerrea area.
MDD Felt I=II MSK

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**28 04 54 44**±1.5	**42.80N**±.092	**7.3W**±.17	**10**		**4**	**0-1**
NEIC	VI	28 04 54 44.1	42.80N	7.34W	10			¶97vi4418
MDD	VI	28 04 54 44.8	42.81N	7.31W	17	3.4		
ISC	Poorly determined							
NEIC	mbLg3.5(MDD). Poor solution.							
NEIC	Felt I=II MM in the Sarria-Becerrea area.							
MDD	Felt I=II MSK							
ISC	**VI**	**28 04 54 55**±2.0	**42.91N**±.087	**7.1W**±.25	**10**		**6**	**1-3**
NEIC	VI	28 04 54 55.3	42.91N	7.15W	10			¶97vi4419
MDD	VI	28 04 54 56.9	42.84N	7.28W	4	3.7		
ISC	Poorly determined							
NEIC	mbLg3.6(MDD). Poor solution.							
NEIC	Felt I=II MM in the Sarria-Becerrea area.							
MDD	Felt I=II MSK							
ISC	**VI**	**28 06 54 17**±1.7	**37.62N**±.097	**3.3W**±.18	**2**		**4**	**0-2**
MDD	VI	28 06 54 18.1	37.62N	3.34W	2	2.5		¶97vi4440
ISC	Poorly determined							
ISC	**VI**	**28 10 59 05**±2.0	**43.01N**±.050	**7.3W**±.10	**3**±16		**28**	**0-9**
NEIC	VI	28 10 59 07.4	42.93N	7.04W	10			¶97vi4466
MDD	VI	28 10 59 10.2	42.77N	7.31W	3	3.6		
LIS	VI	28 10 59 11	42.73N	7.32W		3.0L		
LDG	VI	28 10 59 11.2	43.0N	7.2W		3.2L		
NEIC	mbLg3.6(MDD)							
NEIC	Felt I=III MM in the Sarria-Becerrea area.							
MDD	Felt I=II−III MSK							
ISC	**VI**	**28 15 20 18**±1.2	**42.81N**±.082	**7.3W**±.15	**13**		**5**	**0-3**
MDD	VI	28 15 20 17.1	42.79N	7.20W	13	3.4		¶97vi4495
ISC	**VI**	**29 20 45 59**±1.9	**37.03N**±.091	**5.4W**±.29	**2**		**4**	**0-2**
MDD	VI	29 20 45 59.7	37.01N	5.38W	2	2.6		¶97vi4660
ISC	Poorly determined							
ISC	**VI**	**29 20 48 36**±1.6	**37.01N**±.099	**5.4W**±.27	**3**		**4**	**0-2**
MDD	VI	29 20 48 36.5	37.01N	5.40W	3	1.8		¶97vi4661
ISC	Poorly determined							
ISC	**VI**	**30 11 07 16**±2.0	**37.1N**±.16	**4.2W**±.17	**6**		**4**	**0-1**
MDD	VI	30 11 07 16.8	37.15N	4.20W	6	2.2		¶97vi4749
ISC	Poorly determined							

(378) Pyrenees.

ISC	**I**	**01 05 10 02**±1.3	**42.6N**±.12	**1.29E**±.079	**0**		**7**	**0-2**
LDG	I	01 05 10 03.6	42.7N	1.3E		1.9L		¶97i0028
LDG	**I**	**02 12 17 46.7**	**43.1N**	**1.6W**	**2**	**2.4L**		¶97i0208
MDD	I	02 12 17 48.4	42.99N	1.54W		2.4		
LDG	**I**	**02 23 40 16.7**	**42.9N**	**0.8W**	**2**			¶97i0286
ISC	**I**	**03 22 42 30.6**±.64	**43.23N**±.051	**0.36W**±.061	**2**		**19**	**0-5**
LDG	I	03 22 42 31.5	43.1N	0.4W	2	2.8L		¶97i0443
NEIC	I	03 22 42 33.4	43.07N	0.51W	10			
MDD	I	03 22 42 34.1	43.01N	0.52W	8	2.7		
NEIC	mbLg2.8(MDD)							
MDD	Felt I=III MSK, southeast Oloron−ste−Marie, France							
PIST	Felt I=II MSK in the Ossau Valley							
ISC	**I**	**05 20 55 12.9**±.70	**42.70N**±.056	**0.83E**±.063	**2**		**12**	**0-2**
MDD	I	05 20 55 14.1	42.61N	0.81E	2	2.1		¶97i0711
LDG	I	05 20 55 15.0	42.8N	0.8E	25	2.2L		
ISC	**I**	**06 14 23 06**±1.0	**42.88N**±.061	**2.4E**±.11	**5**		**9**	**0-3**
LDG	I	06 14 23 04.2	42.7N	2.6E		2.3L		¶97i0796
MDD	I	06 14 23 07.6	42.82N	2.56E	4	2.6		
NEIC	I	06 14 23 09.7	42.90N	2.31E	5			
NEIC	Poor solution.							
ISC	**I**	**06 18 45 33**±1.5	**42.7N**±.14	**1.7W**±.10	**0**		**5**	**1-2**
LDG	I	06 18 45 33.6	42.7N	1.8W		2.2L		¶97i0823
MDD	I	06 18 45 34.3	42.71N	1.77W		2.1		
ISC	**I**	**07 14 06 19.4**±.59	**43.12N**±.060	**0.16W**±.051	**5**		**17**	**0-2**
NEIC	I	07 14 06 19.8	43.08N	0.23W	5			¶97i0930
LDG	I	07 14 06 20.0	43.0N	0.2W	2	2.5L		
MDD	I	07 14 06 21.2	43.01N	0.22W	3	2.8		
NEIC	mbLg2.6(MDD), Less reliable solution.							
LDG	**I**	**08 20 51 11.8**	**42.8N**	**0.7E**	**6**	**1.9L**		¶97i1115
ISC	**I**	**09 00 24 48.3**±.97	**43.1N**±.16	**0.7W**±.15	**68**		**9**	**0-4**
MDD	I	09 00 24 48.9	42.99N	0.70W	68	2.1		¶97i1150
LDG	I	09 00 24 49.2	43.4N	0.6W		2.2L		
LDG	**I**	**09 21 59 51.5**	**43.2N**	**0.6W**	**3**			¶97i1281
ISC	**I**	**11 14 04 33.0**±.93	**43.23N**±.058	**0.19W**±.083	**2**±12		**13**	**0-5**
NEIC	I	11 14 04 33.5	43.16N	0.19W	10			¶97i1533
MDD	I	11 14 04 34.5	43.14N	0.21W	5	2.6		
LDG	I	11 14 04 34.6	43.1N	0.2W	11	2.7L		
PIST	Felt I=I MSK at Asson							
NEIC	Single network solution.							
LDG	**I**	**12 16 27 58.0**	**42.9N**	**0.3W**	**22**	**1.9L**		¶97i1712
ISC	**I**	**15 16 32 20**±1.5	**43.1N**±.41	**0.8W**±.22	**33**		**5**	**0-0**
								¶97i2177
LDG	**I**	**15 20 51 24.4**	**43.1N**	**0.3W**	**2**			¶97i2209
ISC	**I**	**17 01 52 17**±1.1	**43.03N**±.088	**0.86W**±.091	**2**		**7**	**0-1**
LDG	I	17 01 52 16.9	43.0N	0.9W	2	1.3L		¶97i2388
ISC	**I**	**17 02 35 53**±1.4	**43.0N**±.12	**0.9W**±.10	**2**		**5**	**0-1**
LDG	I	17 02 35 53.0	43.0N	0.9W	2	1.6L		¶97i2392
ISC	**I**	**17 02 50 55**±1.4	**43.0N**±.11	**0.88W**±.094	**2**		**6**	**0-1**
LDG	I	17 02 50 54.8	42.9N	1.0W	2	1.4L		¶97i2394
ISC	**I**	**21 05 11 29**±3.5	**42.3N**±.23	**1.9E**±.16	**6**		**6**	**0-2**
MDD	I	21 05 11 28.7	42.20N	1.87E	6	2.4		¶97i3142
ISC	Poorly determined							
ISC	**I**	**21 10 16 23**±1.5	**43.1N**±.17	**0.63W**±.097	**11**±12		**6**	**0-1**
MDD	I	21 10 16 24.0	43.09N	0.64W	13	2.1		¶97i3169
ISC	**I**	**24 19 47 26**±1.6	**42.9N**±.39	**1.8W**±.39	**29**±37		**9**	**0-4**
LDG	I	24 19 47 23.9	42.7N	2.0W	2	2.2L		¶97i3680
MDD	I	24 19 47 27.0	42.74N	1.77W	10	2.4		
ISC	**I**	**25 03 51 43**±1.1	**43.09N**±.083	**0.34W**±.085	**2**		**9**	**0-2**
LDG	I	25 03 51 43.3	43.0N	0.3W	2	1.7L		¶97i3734
LDG	**I**	**26 10 58 58.3**	**43.1N**	**0.2W**	**2**	**1.8L**		¶97i3931
ISC	**I**	**26 17 00 07**±3.4	**42.8N**±.25	**0.9W**±.12	**10**±19		**8**	**0-1**
LDG	I	26 17 00 07.3	42.8N	0.9W	2	1.9L		¶97i3971
MDD	I	26 17 00 08.2	42.88N	0.83W	9	2.3		
LDG	**I**	**29 10 36 42.8**	**42.6N**	**1.9W**	**2**	**2.2L**		¶97i4336
ISC	**I**	**31 21 19 42.1**±.59	**43.52N**±.039	**0.64W**±.066	**2**		**22**	**0-5**
MDD	I	31 21 19 43.4	43.49N	0.64W	2	2.7		¶97i4681
LDG	I	31 21 19 44.0	43.4N	0.6W	2	2.6L		
NEIC	I	31 21 19 44.5	43.36N	0.65W	10			
NEIC	mbLg2.4(MDD).							
ISC	**II**	**01 02 24 42**±1.2	**43.18N**±.086	**0.1W**±.11	**2**		**6**	**0-2**
LDG	II	01 02 24 43.6	43.1N	0.1W	2	1.8L		¶97ii0011
LDG	**II**	**01 09 54 48.0**	**42.7N**	**1.9W**	**2**	**2.3L**		¶97ii0054
MDD	II	01 09 54 51.8	42.81N	1.75W	3	2.4		
ISC	**II**	**01 14 19 38.6**±.97	**42.72N**±.087	**1.67W**±.097	**2**		**6**	**0-2**
LDG	II	01 14 19 37.4	42.7N	1.9W	2	2.2L		¶97ii0085
NEIC	II	01 14 19 39.1	42.78N	1.76W	10			
MDD	II	01 14 19 40.2	42.72N	1.73W	4	2.4		
NEIC	Single network solution.							
ISC	**II**	**01 15 34 42.5**±.73	**42.80N**±.068	**0.42E**±.061	**2**		**10**	**0-1**
LDG	II	01 15 34 43.5	42.8N	0.4E	2	1.9L		¶97ii0093
MDD	II	01 15 34 43.9	42.82N	0.43E	4	2.4		
ISC	**II**	**02 18 25 58.7**±.90	**43.23N**±.061	**0.56W**±.088	**2**		**7**	**0-3**
LDG	II	02 18 26 00.2	43.1N	0.6W	2	2.0L		¶97ii0261
ISC	**II**	**03 03 28 39.9**±.79	**43.29N**±.047	**0.94W**±.050	**3**±8.4		**31**	**0-5**
NEIC	II	03 03 28 40.0	43.29N	0.92W	5			¶97ii0312
LDG	II	03 03 28 41.2	43.1N	0.9W	2	2.6L		
MDD	II	03 03 28 41.5	43.24N	0.94W	2	2.8		
NEIC	mbLg2.8(MDD)							
ISC	**II**	**03 19 20 57**±1.9	**42.9N**±.16	**0.3E**±.10	**5**		**6**	**0-2**
NEIC	II	03 19 20 58.2	42.85N	0.26E	5			¶97ii0416
LDG	II	03 19 20 58.4	42.9N	0.3E	2	1.8L		
NEIC	Single network solution.							
ISC	**II**	**03 20 47 20**±1.1	**43.2N**±.13	**0.74W**±.072	**13**±8.6		**10**	**0-1**
LDG	II	03 20 47 20.3	43.1N	0.8W	2			¶97ii0422
MDD	II	03 20 47 20.6	43.19N	0.76W	5	2.3		
ISC	**II**	**04 00 49 41**±1.1	**42.05N**±.067	**0.7E**±.11	**4**		**8**	**0-2**
MDD	II	04 00 49 42.1	42.03N	0.68E	4	1.9		¶97ii0440
LDG	II	04 00 49 42.8	42.1N	0.7E	2	2.2L		
LDG	**II**	**04 03 37 39.5**	**42.7N**	**0.3W**	**2**			¶97ii0458
ISC	**II**	**04 09 32 21**±3.0	**42.7N**±.18	**0.65W**±.088	**2**		**11**	**0-2**
MDD	II	04 09 32 22.7	42.74N	0.63W		2.5		¶97ii0494
LDG	II	04 09 32 23.5	43.0N	0.6W	2	2.2L		
LDG	**II**	**04 19 51 52.6**	**42.9N**	**0.8W**	**2**			¶97ii0591
LDG	**II**	**04 20 37 59.4**	**42.9N**	**0.2E**	**2**	**1.6L**		¶97ii0594
LDG	**II**	**05 01 43 17.2**	**43.1N**	**0.4W**	**2**	**1.8L**		¶97ii0624
LDG	**II**	**05 04 50 35.7**	**43.1N**	**1.1W**	**2**	**1.8L**		¶97ii0639
LDG	**II**	**05 18 26 57.8**	**43.0N**	**0.2W**	**2**			¶97ii0733
ISC	**II**	**07 21 06 46**±6.8	**42.3N**±.48	**1.1E**±.18	**2**		**4**	**1-2**
LDG	II	07 21 06 49.8	42.5N	1.0E	2	1.9L		¶97ii1040
ISC	Poorly determined							
LDG	**II**	**08 12 24 21.5**	**43.1N**	**0.3W**	**2**	**1.8L**		¶97ii1141
ISC	**II**	**08 14 19 24**±5.6	**42.6N**±.47	**1.1E**±.17	**2**		**4**	**1-2**
LDG	II	08 14 19 26.8	42.6N	1.1E	2	2.1L		¶97ii1150
ISC	Poorly determined							
LDG	**II**	**09 01 57 40.3**	**43.1N**	**0.6W**	**2**	**1.6L**		¶97ii1236
ISC	**II**	**09 06 12 04.9**±.84	**43.09N**±.071	**0.04W**±.071	**2**		**8**	**0-2**
LDG	II	09 06 12 05.7	43.0N	0.1W	2	1.8L		¶97ii1269
MDD	II	09 06 12 06.1	43.07N	0.08W		2.4		
PIST	Felt I=II MSK in the Bigorre area							
ISC	**II**	**10 16 03 05.7**±.62	**42.53N**±.046	**1.08E**±.047	**5**±8.0		**22**	**0-4**
LDG	II	10 16 03 06.6	42.5N	1.1E	2	2.7L		¶97ii1482
MDD	II	10 16 03 06.8	42.51N	1.10E	3	2.9		
ISC	**II**	**12 08 28 13.8**±.46	**42.67N**±.029	**2.22E**±.034	**9**±4.4		**68**	**0-8**
NEIC	II	12 08 28 14.2	42.68N	2.29E	10			¶97ii1740
FBR	II	12 08 28 14.8	42.62N	2.18E	9	3.0D		
STR	II	12 08 28 14.9	42.64N	2.18E	3	3.4L		
MDD	II	12 08 28 15.1	42.63N	2.19E	1	3.4		
LDG	II	12 08 28 15.4	42.6N	2.2E	2	3.5L		
NEIC	Felt I=II Fenouillet region, France mbLg3.4(MDD)							
MDD	Felt I=III MSK, west Prades							
ISC	**II**	**12 10 52 19**±1.1	**42.67N**±.071	**2.4E**±.13	**2**		**13**	**0-3**
LDG	II	12 10 52 18.6	42.6N	2.2E	2	2.3L		¶97ii1745
MDD	II	12 10 52 19.6	42.58N	2.16E	13	2.3		
NEIC	II	12 10 52 22.4	42.77N	2.16E	5			
NEIC	Single network solution.							
ISC	**II**	**13 01 46 35.4**±.49	**42.77N**±.033	**2.22E**±.040	**3**±7.7		**32**	**0-5**
NEIC	II	13 01 46 36.8	42.53N	2.21E	5			¶97ii1855
MDD	II	13 01 46 37.6	42.63N	2.18E	3	3.0		
LDG	II	13 01 46 37.8	42.7N	2.2E	2	2.9L		
NEIC	mbLg3.0(MDD). Less reliable solution.							
ISC	**II**	**18 00 47 04.4**±.35	**43.21N**±.028	**0.99W**±.039	**22**±3.5		**71**	**0-7**
NEIC	II	18 00 47 03.2	43.26N	0.95W	10			¶97ii2580
STR	II	18 00 47 04.1	43.04N	1.02W	7	3.5L		
LDG	II	18 00 47 04.8	43.2N	1.0W	2	3.7L		
MDD	II	18 00 47 05.0	43.21N	0.97W	5	3.5		
NEIC	mbLg3.2(MDD)							
MDD	Felt I=IV MSK, west Cheroute, France							
LDG	**II**	**18 01 27 17.4**	**42.9N**	**1.1W**	**2**	**1.2L**		¶97ii2586
ISC	**II**	**20 05 15 17**±1.4	**43.1N**±.13	**0.72W**±.088	**17**±16		**9**	**0-2**
NEIC	II	20 05 15 17.0	43.10N	0.71W	15			¶97ii2883
LDG	II	20 05 15 17.3	43.1N	0.7W	2	1.7L		
ISC	**II**	**20 12 37 37.9**±.51	**43.06N**±.047	**0.65W**±.046	**4**±7.9		**21**	**0-3**
LDG	II	20 12 37 37.7	43.1N	0.6W	2	2.7L		¶97ii2926
NEIC	II	20 12 37 38.1	43.07N	0.66W	5			
MDD	II	20 12 37 38.6	43.09N	0.63W	2	3.0		
PIST	Felt at Issor							
NEIC	M_L2.4(STR). Felt.							
ISC	**II**	**21 02 03 51**±1.9	**43.1N**±.11	**0.70W**±.087	**11**±18		**7**	**0-1**
NEIC	II	21 02 03 50.9	43.11N	0.69W	5			¶97ii3002
LDG	II	21 02 03 51.3	43.1N	0.7W	2			
NEIC	$M_{L0.9}$(STR).							
LDG	**II**	**21 04 56 06.7**	**43.1N**	**0.5W**	**2**	**2.0L**		¶97ii3017
NEIC	II	21 04 56 06.9	43.07N	0.53W	5			
NEIC	Poor solution.							
ISC	**II**	**21 06 23 06**±1.8	**43.2N**±.20	**0.07W**±.097	**5**		**4**	**0-2**
NEIC	II	21 06 23 07.4	43.08N	0.12W	5			¶97ii3029
LDG	II	21 06 23 07.6	43.0N	0.1W	2	1.9L		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**II**	**21 23 04 59.1**±.72	**43.09N**±.070	**0.65W**±.054	**8**±9.5		**12**	**0-2**
NEIC	II	21 23 04 59.5	43.04N	0.69W	5			¶97ii3133
LDG	II	21 23 04 59.8	43.0N	0.7W	2	2.2L		
MDD	II	21 23 05 00.3	43.04N	0.69W	2	2.5		
NEIC	$M_{L1.7}$(STR).							
ISC	**II**	**21 23 05 23.4**±.84	**43.04N**±.079	**0.68W**±.074	**5**		**10**	**0-2**
NEIC	II	21 23 05 23.3	43.04N	0.69W	5			¶97ii3134
LDG	II	21 23 05 23.8	43.0N	0.7W	2	2.0L		
NEIC	$M_{L1.6}$(STR).							
ISC	**II**	**23 20 57 09.6**±.44	**43.14N**±.040	**0.66W**±.044	**8**±4.9		**40**	**0-6**
NEIC	II	23 20 57 09.4	43.16N	0.65W	5			¶97ii3370
LDG	II	23 20 57 10.5	43.0N	0.7W	2	3.3L		

MDD	II	23 20 57 10.9	43.08N	0.69W	1	3.4			
NEIC	mbLg3.3(MDD). Felt.								
NEIC	ML 2.7 (STR). Felt at Lourdios, France.								
ISC	**II**	**26 02 39 58**±1.4	**42.7N**±.16	**1.8W**±.11	**15**		**5**	**0-2**	
LDG	II	26 02 39 58.9	42.9N	1.9W	15	2.2L			¶97ii3732
MDD	II	26 02 39 59.9	42.81N	1.87W	9	2.6			
LDG	**II**	**26 18 18 22.6**	**42.9N**	**0.1E**	**2**	**1.7L**			¶97ii3837
ISC	**II**	**28 04 58 18.3**±.39	**43.10N**±.033	**0.56W**±.037	**3**		**32**	**0-5**	
LDG	II	28 04 58 17.9	43.1N	0.6W	15	2.5L			¶97ii4133
MDD	II	28 04 58 18.0	43.25N	0.58W	3	3.0			
NEIC	II	28 04 58 18.4	43.13N	0.59W	10				
NEIC	mbLg2.9(MDD)								
NEIC	ML 2.2 (STR).								
ISC	**III**	**01 03 31 00.0**±.66	**43.17N**±.062	**0.35W**±.060	**5**		**10**	**0-2**	
LDG	III	01 03 31 01.1	43.1N	0.4W	2	1.8L			¶97iii0031
NEIC	III	01 03 31 01.4	43.05N	0.46W	5				
NEIC	$M_{L1.3}$(STR).								
ISC	**III**	**01 03 45 51.5**±.70	**43.15N**±.066	**0.35W**±.059	**5**		**11**	**0-2**	
LDG	III	01 03 45 52.4	43.1N	0.4W	2	1.9L			¶97iii0035
NEIC	III	01 03 45 52.8	43.04N	0.45W	5				
NEIC	$M_{L1.3}$(STR).								
ISC	**III**	**01 07 04 08.6**±.73	**42.81N**±.046	**1.79W**±.057	**10**±5.6		**32**	**0-6**	
NEIC	III	01 07 04 08.8	42.85N	1.83W	10				¶97iii0066
LDG	III	01 07 04 09.5	42.7N	1.9W	2	2.9L			
MDD	III	01 07 04 10.5	42.78N	1.79W	4	3.1			
NEIC	mbLg3.4(MDD), ML2.7 (STR)								
ISC	**III**	**01 22 15 24.5**±.65	**43.10N**±.072	**0.56W**±.056	**14**±6.8		**14**	**0-2**	
NEIC	III	01 22 15 25.3	43.07N	0.60W	5				¶97iii0202
LDG	III	01 22 15 25.6	43.0N	0.6W	2	1.9L			
MDD	III	01 22 15 25.9	43.07N	0.60W	3	2.7			
NEIC	$M_{L1.3}$(STR).								
LDG	**III**	**02 07 56 50.1**	**43.1N**	**0.4W**	**2**				¶97iii0260
MDD	**III**	**02 22 11 38.6**	**42.98N**	**1.24W**	**5**	**3.1**			¶97iii0414
LDG	**III**	**02 22 20 40.2**	**43.1N**	**0.3W**	**2**				¶97iii0415
ISC	**III**	**02 23 08 24**±6.1	**42.9N**±.31	**1.5W**±.38	**2**		**4**	**0-1**	
LDG	III	02 23 08 24.6	43.0N	1.5W	2	2.2L			¶97iii0421
MDD	III	02 23 08 26.2	43.05N	1.43W	4	2.4			
ISC	Poorly determined								
MDD	**III**	**03 07 02 07.4**	**42.85N**	**1.89W**		**2.5**			¶97iii0503
LDG	III	03 07 02 00.6	42.7N	2.2W	2	2.3L			
MDD	**III**	**03 07 09 04.1**	**42.87N**	**1.82W**		**2.1**			¶97iii0505
ISC	**III**	**06 01 05 11**±1.2	**43.0N**±.10	**0.5W**±.12	**10**		**5**	**0-0**	
NEIC	III	06 01 05 10.5	43.03N	0.46W	10				¶97iii1158
NEIC	M_L0.9(STR), Single network solution.								
ISC	**III**	**06 09 54 24**±2.1	**43.1N**±.51	**0.6W**±.38	**33**		**4**	**0-0**	
ISC	Poorly determined								¶97iii1242
ISC	**III**	**07 01 56 03**±2.7	**43.0N**±.29	**1.1W**±.20	**2**		**4**	**0-1**	
LDG	III	07 01 56 03.5	43.0N	1.2W	2	1.5L			¶97iii1398
MDD	III	07 01 56 03.9	43.01N	1.15W	7	2.2			
ISC	Poorly determined								
ISC	**III**	**09 07 49 42**±1.1	**42.8N**±.11	**1.7W**±.11	**3**±15		**7**	**0-3**	
LDG	III	09 07 49 41.9	42.8N	1.9W	2	2.3L			¶97iii1932
MDD	III	09 07 49 43.8	42.85N	1.82W	4	2.5			
MDD	**III**	**11 09 13 55.2**	**43.00N**	**1.72W**	**35**	**2.4**			¶97iii2348
ISC	**III**	**15 05 22 42**±4.5	**42.7N**±.26	**2.7E**±.20	**2**		**5**	**1-3**	
LDG	III	15 05 22 45.8	42.8N	2.6E	2	2.1L			¶97iii3008
ISC	Poorly determined								
ISC	**III**	**16 21 54 45.6**±.58	**43.09N**±.059	**1.19W**±.064	**25**±5.3		**26**	**0-5**	
LDG	III	16 21 54 44.2	42.9N	1.3W	2	2.6L			¶97iii3272
NEIC	III	16 21 54 45.0	43.13N	1.11W	10				
MDD	III	16 21 54 46.4	42.99N	1.22W	13	2.9			
NEIC	mbLg2.7(MDD)								
ISC	**III**	**16 23 40 50.8**±.87	**43.09N**±.073	**0.46W**±.075	**2**		**9**	**0-2**	
LDG	III	16 23 40 49.7	43.2N	0.6W	2	1.6L			¶97iii3283
LDG	**III**	**17 04 32 42.6**	**43.0N**	**0.2W**	**2**				¶97iii3319
PIST	Felt I=II MSK at Cauterets								
LDG	**III**	**17 04 40 58.1**	**43.3N**	**0.7W**	**2**				¶97iii3320
ISC	**III**	**17 10 05 37.0**±.92	**42.49N**±.081	**2.3E**±.11	**2**±28		**10**	**0-2**	
MDD	III	17 10 05 37.9	42.50N	2.30E	2	2.7			¶97iii3358
ISC	**III**	**17 17 34 40.6**±.55	**43.51N**±.042	**0.65W**±.061	**14**±3.8		**33**	**0-5**	
NEIC	III	17 17 34 40.4	43.55N	0.66W	10				¶97iii3408
MDD	III	17 17 34 41.8	43.52N	0.68W	7	2.8			
LDG	III	17 17 34 42.2	43.5N	0.7W	11	3.0L			
NEIC	$M_{L2.7}$(STR).								
NEIC	mbLg 2.6 (MDD).								
ISC	**III**	**20 03 57 25.5**±.53	**42.62N**±.036	**2.07E**±.036	**4**±5.1		**42**	**0-5**	
NEIC	III	20 03 57 25.9	42.59N	2.08E	5				¶97iii3828
MDD	III	20 03 57 26.7	42.50N	2.04E	8	3.1			
STR	III	20 03 57 26.8	42.56N	2.00E	2	3.0L			
LDG	III	20 03 57 26.9	42.5N	2.0E	2	3.0L			
NEIC	mbLg3.1(MDD)								
ISC	**III**	**20 16 33 01**±1.1	**43.1N**±.11	**0.68W**±.089	**5**		**6**	**0-0**	
NEIC	III	20 16 33 01.3	43.13N	0.68W	5				¶97iii3921
NEIC	M_L1.7(STR), Single network solution.								
ISC	**III**	**21 23 17 26.7**±.48	**42.57N**±.043	**2.32E**±.048	**10**		**26**	**0-5**	
LDG	III	21 23 17 28.0	42.5N	2.3E	2	2.6L			¶97iii4150
NEIC	III	21 23 17 28.1	42.57N	2.40E	10				
MDD	III	21 23 17 28.3	42.51N	2.32E	4	3.0			
NEIC	mbLg3.0(MDD)								
ISC	**III**	**22 01 26 25.7**±.53	**43.08N**±.054	**0.19W**±.048	**12**±5.9		**30**	**0-5**	
NEIC	III	22 01 26 25.6	43.11N	0.16W	10				¶97iii4173
LDG	III	22 01 26 26.5	43.1N	0.2W	2	3.0L			
MDD	III	22 01 26 26.6	43.02N	0.19W	9	3.1			
PIST	Felt I=II MSK in the Bigorre area								
NEIC	mbLg3.1(MDD)								
MDD	Felt I=II−III MSK Argeles−Gazost, France								
ISC	**III**	**22 11 12 32**±1.1	**43.1N**±.12	**1.53W**±.094	**10**±9.5		**8**	**0-3**	
MDD	III	22 11 12 31.9	43.11N	1.56W	11	2.6			¶97iii4254
LDG	III	22 11 12 32.7	43.1N	1.5W	2	2.4L			
ISC	**III**	**22 12 55 27.3**±.66	**43.11N**±.060	**0.57W**±.053	**12**±7.4		**16**	**0-4**	
LDG	III	22 12 55 28.4	43.1N	0.6W	2	2.6L			¶97iii4265
NEIC	III	22 12 55 28.4	43.06N	0.63W	5				
MDD	III	22 12 55 28.7	43.05N	0.60W	6	2.7			
NEIC	mbLg2.6(MDD).								
ISC	**III**	**23 23 12 13.2**±.61	**43.13N**±.051	**0.00W**±.053	**2**		**13**	**0-2**	
NEIC	III	23 23 12 14.3	42.91N	0.04W	5				¶97iii4495
LDG	III	23 23 12 14.5	43.1N	0.0E	2	2.1L			
MDD	III	23 23 12 15.4	43.03N	0.04W	2	2.5			
NEIC	Single network solution.								
ISC	**III**	**24 10 00 03.0**±.90	**43.47N**±.058	**0.61W**±.070	**10**±7.1		**17**	**0-2**	
NEIC	III	24 10 00 03.5	43.46N	0.64W	5				¶97iii4556
LDG	III	24 10 00 03.8	43.5N	0.6W	2	2.4L			
MDD	III	24 10 00 03.9	43.49N	0.65W	9	2.4			
NEIC	$M_{L2.0}$(STR).								
ISC	**III**	**27 16 55 28.2**±.86	**43.10N**±.087	**0.62W**±.066	**0**		**8**	**0-2**	
LDG	III	27 16 55 25.3	42.6N	0.7W	10	1.9L			¶97iii5264
NEIC	III	27 16 55 27.8	43.10N	0.63W	10				
NEIC	$M_{L1.2}$(STR).								
NEIC	Quarry blast.								
ISC	**III**	**27 17 35 04**±18	**42.1N**±.98	**1.9E**±.70	**2**		**5**	**1-3**	
LDG	III	27 17 35 12.2	42.5N	1.8E	2	2.2L			¶97iii5270
ISC	Poorly determined								
ISC	**III**	**27 19 04 33**±3.0	**42.9N**±.26	**1.5E**±.17	**2**		**6**	**1-2**	
LDG	III	27 19 04 29.2	42.5N	1.7E	2	2.1L			¶97iii5288
ISC	**III**	**30 05 20 57**±3.2	**42.9N**±.35	**1.0E**±.15	**10**±16		**6**	**1-2**	
LDG	III	30 05 20 58.2	42.7N	1.0E	15	1.8L			¶97iii5705
ISC	Poorly determined								
LDG	**III**	**31 08 13 09.1**	**42.8N**	**2.2E**	**2**	**2.1L**			¶97iii5866
MDD	**III**	**31 23 04 37.4**	**42.67N**	**1.74W**		**2.3**			¶97iii5943
LDG	III	31 23 04 35.9	42.7N	1.8W	2	1.7L			
LDG	**IV**	**01 07 24 13.0**	**42.7N**	**0.6W**	**2**	**2.1L**			¶97iv0032
LDG	**IV**	**01 18 34 19.8**	**43.1N**	**0.2W**	**2**	**1.8L**			¶97iv0123
ISC	**IV**	**05 07 23 10**±3.0	**42.7N**±.26	**0.2E**±.11	**0**		**4**	**0-2**	
LDG	IV	05 07 23 12.5	42.9N	0.2E		1.6L			¶97iv0723
ISC	Poorly determined								
ISC	**IV**	**06 05 24 48**±1.1	**42.17N**±.069	**2.60E**±.097	**9**		**14**	**0-5**	
MDD	IV	06 05 24 48.7	42.10N	2.73E	9	2.5			¶97iv0934
LDG	IV	06 05 24 50.0	42.2N	2.6E		2.4L			
ISC	**IV**	**06 05 25 28**±1.4	**42.10N**±.092	**2.7E**±.17	**17**		**15**	**0-5**	
MDD	IV	06 05 25 28.6	42.15N	2.65E	17	2.5			¶97iv0936
LDG	IV	06 05 25 30.1	42.2N	2.7E		2.5L			
ISC	**IV**	**06 06 00 31.0**±.74	**42.16N**±.054	**2.59E**±.070	**12**±5.9		**22**	**0-5**	
LDG	IV	06 06 00 31.0	42.2N	2.7E		2.6L			¶97iv0940
MDD	IV	06 06 00 31.7	42.12N	2.73E	8	2.8			
LDG	**IV**	**08 13 26 31.9**	**42.9N**	**0.8E**		**2.3L**			¶97iv1337
LDG	**IV**	**08 16 34 04.4**	**42.9N**	**0.8W**					¶97iv1361
LDG	**IV**	**11 16 30 45.5**	**42.8N**	**0.6W**		**2.1L**			¶97iv1936
ISC	**IV**	**12 03 50 37**±1.1	**43.26N**±.082	**1.42W**±.080	**10**±7.3		**16**	**0-4**	
MDD	IV	12 03 50 38.4	43.14N	1.42W	6	2.6			¶97iv2004
LDG	IV	12 03 50 39.0	43.2N	1.3W		2.4L			
LDG	**IV**	**12 15 57 51.7**	**43.2N**	**0.6W**		**1.9L**			¶97iv2095
ISC	**IV**	**13 03 19 29**±1.4	**42.31N**±.069	**2.4E**±.18	**3**		**6**	**0-2**	
MDD	IV	13 03 19 30.0	42.30N	2.38E	3	2.2			¶97iv2179
ISC	**IV**	**15 03 49 47**±1.0	**42.66N**±.082	**0.11E**±.089	**0**		**7**	**0-2**	
NEIC	IV	15 03 49 47.6	42.64N	0.10E	5				¶97iv2549
MDD	IV	15 03 49 49.0	42.67N	0.12E		1.9			
LDG	IV	15 03 49 49.4	42.7N	0.1E		1.9L			
NEIC	mbLg1.9(MDD), Less reliable solution.								
MDD	**IV**	**15 10 09 25.6**	**42.23N**	**2.97E**		**2.7**			¶97iv2591
ISC	**IV**	**21 01 48 32**±1.4	**43.1N**±.20	**0.31W**±.099	**0**		**4**	**0-2**	
LDG	IV	21 01 48 33.1	43.0N	0.3W		1.8L			¶97iv3385
ISC	Poorly determined								
ISC	**IV**	**21 11 38 53**±3.4	**42.5N**±.11	**2.9E**±.32	**0**		**4**	**0-1**	
MDD	IV	21 11 38 53.7	42.51N	2.95E		2.4			¶97iv3453
ISC	Poorly determined								
LDG	**IV**	**21 23 31 34.8**	**43.1N**	**0.7W**					¶97iv3601
ISC	**IV**	**24 09 08 02.1**±.78	**42.79N**±.069	**0.72E**±.061	**3**		**11**	**0-4**	
MDD	IV	24 09 08 03.0	42.71N	0.67E	3	2.8			¶97iv4112
LDG	IV	24 09 08 04.0	42.8N	0.7E		2.7L			
ISC	**IV**	**26 07 28 54**±1.0	**43.13N**±.058	**1.84W**±.066	**7**±8.0		**25**	**0-6**	
NEIC	IV	26 07 28 54.0	43.13N	1.83W	10				¶97iv4488
MDD	IV	26 07 28 55.6	43.11N	1.81W	2	3.1			
LDG	IV	26 07 28 56.7	43.2N	1.8W		3.0L			
NEIC	mbLg3.2(MDD)								
ISC	**IV**	**26 12 01 30.7**±.96	**43.22N**±.068	**0.05W**±.063	**2**±11		**12**	**0-2**	
NEIC	IV	26 12 01 29.0	42.63N	0.01E	10				¶97iv4547
LDG	IV	26 12 01 32.1	43.0N	0.1W		2.2L			
MDD	IV	26 12 01 32.8	43.11N	0.06W	3	2.6			
NEIC	Poor solution.								
LDG	**IV**	**26 14 51 21.0**	**43.0N**	**0.2W**					¶97iv4566
ISC	**IV**	**26 14 58 16.5**±.90	**42.88N**±.081	**0.63W**±.090	**18**±12		**12**	**0-3**	
NEIC	IV	26 14 58 12.7	42.61N	0.67W	5				¶97iv4567
MDD	IV	26 14 58 15.4	42.70N	0.64W	12	2.6			
LDG	IV	26 14 58 17.1	43.0N	0.6W		2.3L			
NEIC	Poor solution.								
LDG	**IV**	**27 11 52 20.2**	**43.1N**	**0.1W**					¶97iv4718
LDG	**IV**	**27 20 25 06.2**	**43.1N**	**0.7W**					¶97iv4789
ISC	**IV**	**28 20 17 04**±4.9	**42.7N**±.29	**1.8E**±.26	**0**		**6**	**1-2**	
LDG	IV	28 20 17 03.3	42.6N	2.0E		2.3L			¶97iv4975
ISC	**IV**	**29 11 18 58**±4.7	**43.1N**±.72	**1.9W**±.38	**14**±24		**6**	**0-3**	
LDG	IV	29 11 18 54.6	43.1N	2.3W		2.3L			¶97iv5069
MDD	IV	29 11 18 56.0	43.35N	2.10W	8	2.3			
ISC	Poorly determined								
ISC	**IV**	**29 16 35 26.3**±.52	**42.67N**±.047	**0.13E**±.053	**5**		**16**	**0-4**	
LDG	IV	29 16 35 26.8	42.7N	0.1E		2.7L			¶97iv5102
NEIC	IV	29 16 35 26.8	42.66N	0.07E	5				
MDD	IV	29 16 35 27.5	42.68N	0.14E	1	2.9			
NEIC	mbLg2.9(MDD)								
ISC	**IV**	**30 05 16 56.6**±.94	**43.09N**±.093	**0.24W**±.083	**0**		**6**	**0-2**	
LDG	IV	30 05 16 57.6	43.0N	0.3W		2.2L			¶97iv5168
LDG	**V**	**02 23 57 12.4**	**42.9N**	**0.5W**					¶97v0345
ISC	**V**	**04 12 22 15**±5.4	**42.4N**±.41	**0.9E**±.15	**0**		**4**	**1-2**	
LDG	V	04 12 22 17.9	42.6N	0.9E		1.8L			¶97v0637
ISC	Poorly determined								
ISC	**V**	**04 12 26 04.5**±.98	**42.52N**±.064	**0.96E**±.075	**3**±9.4		**17**	**0-4**	
MDD	V	04 12 26 05.7	42.53N	0.94E	2	2.6			¶97v0638
NEIC	V	04 12 26 06.6	42.69N	0.94E	5				
LDG	V	04 12 26 07.3	42.7N	0.9E		2.5L			
NEIC	Single network solution.								
ISC	**V**	**05 18 35 01.4**±.94	**43.06N**±.095	**1.44W**±.070	**9**±7.2		**16**	**0-3**	
NEIC	V	05 18 34 57.5	42.94N	1.71W	5				¶97v0833
MDD	V	05 18 35 02.2	43.14N	1.43W	9	2.9			
LDG	V	05 18 35 04.5	43.1N	1.2W		2.5L			
NEIC	M_L2.1(STR), Less reliable solution.								
ISC	**V**	**07 19 24 14**±1.1	**42.90N**±.089	**0.83W**±.064	**12**±6.0		**22**	**0-6**	
NEIC	V	07 19 24 13.4	42.87N	0.85W	5				¶97v1139
LDG	V	07 19 24 14.2	43.0N	0.8W		2.7L			
MDD	V	07 19 24 14.7	42.88N	0.85W		2.9			
ISC	**V**	**07 19 40 47**±3.7	**42.7N**±.26	**0.9W**±.11	**7**		**8**	**0-3**	
MDD	V	07 19 40 49.4	42.83N	0.86W	7	2.4			¶97v1140
LDG	V	07 19 40 49.6	43.0N	0.8W		2.2L			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
LDG	**V**	**08 10 11 53.7**	**42.6N**	**1.9W**		**2.3L**		**¶97v1222**
MDD	V	08 10 11 56.5	42.63N	1.81W		2.5		
ISC	**V**	**14 07 14 12**±2.2	**42.89N**±.089	**2.3E**±.21	**0**		**9**	**0-3**
LDG	V	14 07 14 12.8	42.8N	2.4E		2.3L		**¶97v2404**
ISC	**V**	**14 12 19 30.5**±.43	**43.31N**±.034	**0.46W**±.054	**3**		**27**	**0-5**
LDG	V	14 12 19 32.2	43.1N	0.5W		3.2L		**¶97v2446**
MDD	V	14 12 19 32.9	43.13N	0.50W	3	3.1		
NEIC	V	14 12 19 33.0	43.06N	0.59W	5			
PIST		Felt I=III MSK Laruns						
NEIC		mbLg3.1(MDD).Less reliable solution.						
LDG	**V**	**14 16 23 39.1**	**42.8N**	**2.5E**		**2.4L**		**¶97v2481**
LDG	**V**	**15 11 16 15.2**	**42.6N**	**1.3W**		**2.3L**		**¶97v2602**
ISC	**V**	**15 19 27 55**±5.3	**43.0N**±.31	**1.5W**±.35	**8**		**4**	**0-1**
LDG	V	15 19 27 56.4	43.1N	1.5W		1.9L		**¶97v2662**
MDD	V	15 19 27 56.5	43.16N	1.39W	8	2.1		
ISC		Poorly determined						
ISC	**V**	**18 10 48 54**±1.2	**42.32N**±.087	**2.29E**±.057	**14**±7.4		**25**	**0-5**
NEIC	V	18 10 48 52.4	42.25N	2.24E	5			**¶97v3067**
MDD	V	18 10 48 56.6	42.42N	2.35E	8	3.2		
LDG	V	18 10 48 56.7	42.4N	2.3E		2.7L		
ISC	**V**	**19 10 32 25.7**±.90	**42.80N**±.082	**1.6W**±.11	**23**±11		**13**	**0-5**
LDG	V	19 10 32 25.1	42.7N	1.7W		2.5L		**¶97v3243**
MDD	V	19 10 32 26.7	42.81N	1.67W	9	2.6		
MDD	**V**	**19 10 33 39.0**	**42.77N**	**1.66W**		**1.9**		**¶97v3244**
ISC	**V**	**19 11 16 38**±3.2	**42.9N**±.41	**1.0W**±.23	**0**		**5**	**0-2**
MDD	V	19 11 16 38.7	42.97N	1.03W		2.2		**¶97v3246**
LDG	V	19 11 16 38.8	43.0N	1.0W		1.8L		
ISC		Poorly determined						
ISC	**V**	**20 14 10 11.1**±.53	**43.09N**±.052	**0.80W**±.046	**8**±5.3		**24**	**0-4**
LDG	V	20 14 10 11.9	43.0N	0.9W		2.9L		**¶97v3409**
MDD	V	20 14 10 12.4	43.07N	0.83W	2	2.8		
ISC	**V**	**20 14 11 12.4**±.61	**43.14N**±.058	**0.81W**±.049	**3**±11		**18**	**0-4**
LDG	V	20 14 11 13.2	43.0N	0.8W		2.7L		**¶97v3410**
MDD	V	20 14 11 13.9	43.07N	0.84W	2	2.7		
ISC	**V**	**20 14 20 43.2**±.43	**43.14N**±.044	**0.80W**±.040	**8**±4.2		**29**	**0-4**
NEIC	V	20 14 20 43.2	43.07N	0.83W	5			**¶97v3414**
LDG	V	20 14 20 44.0	43.0N	0.9W		3.2L		
MDD	V	20 14 20 44.7	43.07N	0.82W	2	3.0		
NEIC		$M_{L2.8}$(STR).						
ISC	**V**	**20 14 23 02**±1.2	**43.0N**±.27	**0.8W**±.13	**0**		**4**	**0-1**
LDG	V	20 14 23 02.5	43.0N	0.9W		1.8L		**¶97v3415**
MDD	V	20 14 23 03.2	43.03N	0.83W		1.8		
ISC		Poorly determined						
ISC	**V**	**20 14 24 22.4**±.67	**43.14N**±.066	**0.82W**±.053	**5**		**14**	**0-4**
LDG	V	20 14 24 22.8	43.0N	0.8W		2.5L		**¶97v3416**
MDD	V	20 14 24 23.4	43.01N	0.86W	5	2.9		
ISC	**V**	**20 14 25 43**±1.3	**43.0N**±.33	**0.9W**±.15	**0**		**4**	**0-1**
LDG	V	20 14 25 42.4	42.9N	0.9W		1.6L		**¶97v3417**
MDD	V	20 14 25 43.2	42.99N	0.87W		2.1		
ISC		Poorly determined						
ISC	**V**	**20 14 26 20**±1.6	**43.1N**±.23	**0.8W**±.11	**9**		**4**	**0-1**
MDD	V	20 14 26 21.7	42.98N	0.87W	9	2.3		**¶97v3418**
ISC		Poorly determined						
ISC	**V**	**20 17 08 11**±1.2	**43.2N**±.14	**0.76W**±.070	**4**		**7**	**0-2**
MDD	V	20 17 08 12.4	43.05N	0.83W	4	2.5		**¶97v3440**
ISC	**V**	**20 23 52 49.1**±.82	**43.12N**±.087	**0.79W**±.067	**4**		**7**	**0-2**
MDD	V	20 23 52 50.5	43.01N	0.86W	4	2.4		**¶97v3479**
ISC	**V**	**21 00 36 46.6**±.60	**43.22N**±.061	**0.79W**±.059	**5**		**20**	**0-5**
NEIC	V	21 00 36 45.7	43.26N	0.80W	5			**¶97v3485**
LDG	V	21 00 36 47.8	43.1N	0.8W		3.0L		
MDD	V	21 00 36 48.3	43.07N	0.85W	2	3.0		
NEIC		Single network solution.						
ISC	**V**	**21 00 51 42**±2.0	**43.0N**±.44	**0.9W**±.19	**0**		**4**	**0-1**
LDG	V	21 00 51 42.1	42.9N	0.9W		1.5L		**¶97v3486**
MDD	V	21 00 51 42.7	42.98N	0.88W		1.5		
ISC		Poorly determined						
ISC	**V**	**21 01 12 22**±1.3	**43.1N**±.26	**0.8W**±.13	**15**		**5**	**0-2**
MDD	V	21 01 12 22.6	42.93N	0.88W	15	1.9		**¶97v3490**
LDG	V	21 01 12 22.7	43.0N	0.8W		1.9L		
ISC		Poorly determined						
ISC	**V**	**21 01 53 53**±1.3	**43.2N**±.15	**0.76W**±.078	**0**		**6**	**0-2**
LDG	V	21 01 53 54.4	43.0N	0.9W		1.8L		**¶97v3495**
MDD	V	21 01 53 54.8	43.03N	0.85W		1.8		
ISC	**V**	**21 04 21 27.4**±.80	**43.14N**±.084	**0.77W**±.066	**5**		**10**	**0-3**
LDG	V	21 04 21 28.4	43.0N	0.8W		2.3L		**¶97v3510**
MDD	V	21 04 21 29.0	43.10N	0.83W	5	2.7		
ISC	**V**	**21 22 21 45**±2.7	**43.4N**±.20	**0.6W**±.13	**0**		**5**	**1-2**
LDG	V	21 22 21 47.0	43.3N	0.6W		1.8L		**¶97v3617**
ISC		Poorly determined						
ISC	**V**	**22 01 55 30.0**±.55	**42.75N**±.045	**0.36E**±.054	**1**		**18**	**0-4**
LDG	V	22 01 55 31.3	42.8N	0.3E		2.8L		**¶97v3674**
MDD	V	22 01 55 31.4	42.74N	0.35E	1	2.9		
NEIC	V	22 01 55 31.4	42.80N	0.28E	10			
NEIC		Less reliable solution.						
LDG	**V**	**25 06 35 09.9**	**42.7N**	**2.5E**		**2.0L**		**¶97v4230**
LDG	**V**	**25 06 44 56.7**	**43.0N**	**0.8W**		**2.1L**		**¶97v4232**
ISC	**V**	**30 03 36 26**±2.2	**43.4N**±.21	**0.6W**±.11	**10**±31		**8**	**0-2**
LDG	V	30 03 36 25.0	43.4N	0.6W		2.2L		**¶97v4974**
MDD	V	30 03 36 26.7	43.34N	0.65W	9	2.5		
ISC	**VI**	**01 16 30 31.8**±.78	**43.01N**±.084	**0.84W**±.072	**16**±6.2		**20**	**0-5**
LDG	VI	01 16 30 30.8	42.8N	1.0W		2.8L		**¶97vi0112**
MDD	VI	01 16 30 32.6	42.94N	0.88W	5	3.0		
ISC	**VI**	**03 13 04 27.8**±.77	**43.17N**±.061	**0.55W**±.068	**4**±11		**13**	**0-4**
LDG	VI	03 13 04 28.2	43.1N	0.6W		2.7L		**¶97vi0463**
MDD	VI	03 13 04 28.8	43.07N	0.56W	6	2.7		
ISC	**VI**	**04 18 20 58**±3.8	**42.7N**±.23	**2.5E**±.20	**0**		**5**	**1-3**
LDG	VI	04 18 21 03.6	42.9N	2.4E		2.3L		**¶97vi0656**
ISC		Poorly determined						
ISC	**VI**	**05 20 58 21.4**±.58	**42.74N**±.030	**2.13E**±.031	**12**±5.1		**80**	**0-8**
NEIC	VI	05 20 58 21.6	42.78N	2.16E	10			**¶97vi0829**
STR	VI	05 20 58 21.9	42.75N	2.01E	5	3.6L		
LDG	VI	05 20 58 22.3	42.7N	2.0E		3.8L		
FBR	VI	05 20 58 22.3	42.69N	2.02E	11	3.0D		
MDD	VI	05 20 58 22.6	42.71N	2.06E	8	3.6		
NEIC		Single network solution.						
NEIC		Felt I=III MM in the eastern Pyrenees.						
MDD		Felt I=II−III MSK, southwest Quillan, France						
LDG	**VI**	**05 21 04 32.4**	**42.7N**	**2.1E**		**2.2L**		**¶97vi0830**
LDG	**VI**	**06 02 14 58.4**	**43.0N**	**0.9W**		**1.6L**		**¶97vi0867**
ISC	**VI**	**06 19 59 17.6**±.76	**42.70N**±.061	**0.13E**±.066	**0**		**9**	**0-3**
MDD	VI	06 19 59 19.1	42.68N	3.63W	4	2.1		**¶97vi0986**
LDG	VI	06 19 59 19.2	42.7N	0.1E		2.3L		
LDG	**VI**	**07 18 46 32.3**	**43.2N**	**0.5W**		**2.3L**		**¶97vi1132**
ISC	**VI**	**12 03 39 33.1**±.85	**42.90N**±.051	**1.98E**±.097	**0**		**7**	**0-3**
LDG	VI	12 03 39 36.4	42.9N	2.0E		2.2L		**¶97vi1795**
MDD	**VI**	**13 06 38 43.6**	**42.76N**	**2.57E**		**2.4**		**¶97vi1942**
ISC	**VI**	**14 17 42 45**±1.7	**42.66N**±.057	**2.9E**±.17	**2**		**10**	**0-3**
MDD	VI	14 17 42 47.0	42.61N	2.86E	2	2.1		**¶97vi2153**
LDG	VI	14 17 42 47.8	42.6N	2.8E		2.1L		
ISC	**VI**	**14 23 01 38.2**±.57	**43.17N**±.061	**0.82W**±.065	**10**±5.9		**15**	**0-4**
NEIC	VI	14 23 01 38.3	43.20N	0.84W	10			**¶97vi2187**
LDG	VI	14 23 01 38.7	43.1N	0.8W		2.8L		
MDD	VI	14 23 01 39.2	43.18N	0.84W	3	2.8		
NEIC		mbLg2.9(MDD)						
ISC	**VI**	**20 06 42 14**±13	**42.8N**±.35	**3.4E**±.88	**4**±32		**7**	**1-2**
MDD	VI	20 06 42 17.3	42.77N	3.27E	5	2.6		**¶97vi3021**
ISC	**VI**	**20 08 16 47.7**±.68	**43.51N**±.056	**0.48W**±.070	**5**		**19**	**0-3**
LDG	VI	20 08 16 49.3	43.5N	0.6W		2.7L		**¶97vi3027**
NEIC	VI	20 08 16 50.2	43.50N	0.77W	5			
NEIC		Poor solution.						
ISC	**VI**	**24 22 58 10.8**±.87	**42.36N**±.064	**1.29E**±.071	**5**		**15**	**0-4**
MDD	VI	24 22 58 11.7	42.37N	1.27E	5	2.5		**¶97vi3794**
LDG	VI	24 22 58 13.7	42.4N	1.4E		2.4L		
ISC	**VI**	**29 07 56 00.0**±.82	**42.85N**±.048	**2.6E**±.11	**10**		**8**	**0-3**
LDG	VI	29 07 56 00.7	42.8N	2.5E		2.5L		**¶97vi4588**
MDD	VI	29 07 56 01.7	42.80N	2.53E	10	2.5		

(379) Near south coast of France.

ISC	**I**	**04 17 58 52**±1.2	**43.54N**±.059	**7.78E**±.080	**11**±7.0		**27**	**0-5**
NEIC	I	04 17 58 52.2	43.54N	7.83E	10			**¶97i0566**
LDG	I	04 17 58 52.5	43.6N	7.9E	2	3.2L		
NEIC		$M_{L3.0}$(GEN).						
ISC	**I**	**07 16 14 06.1**±.89	**43.95N**±.058	**7.80E**±.074	**12**±8.4		**14**	**0-1**
LDG	I	07 16 14 05.1	44.0N	8.0E	2	2.2L		**¶97i0944**
NEIC	I	07 16 14 06.4	43.98N	7.82E	10			
NEIC		$M_{L2.0}$(GEN).						
ISC	**I**	**11 12 51 58.4**±.80	**43.76N**±.059	**6.34E**±.074	**15**±14		**10**	**0-2**
NEIC	I	11 12 51 58.6	43.72N	6.27E	10			**¶97i1522**
LDG	I	11 12 51 59.2	43.7N	6.3E	2	1.9L		
NEIC		Single network solution.						
ISC	**I**	**17 16 18 41**±1.8	**44.0N**±.10	**7.9E**±.14	**10**		**6**	**0-2**
NEIC	I	17 16 18 41.5	43.97N	7.96E	10			**¶97i2489**
LDG	I	17 16 18 41.8	44.0N	7.9E	2	2.1L		
NEIC		Single network solution.						
ISC	**I**	**19 12 48 18.5**±.64	**43.94N**±.051	**7.04E**±.063	**10**		**11**	**0-1**
NEIC	I	19 12 48 18.7	43.90N	7.08E	10			**¶97i2840**
LDG	I	19 12 48 19.1	43.9N	7.1E	2	2.0L		
NEIC		Single network solution.						
LDG	**I**	**23 17 28 42.3**	**43.9N**	**7.8E**	**2**	**1.8L**		**¶97i3533**
ISC	**I**	**26 03 41 51.4**±.97	**43.90N**±.080	**7.18E**±.081	**2**		**9**	**0-1**
LDG	I	26 03 41 52.1	43.8N	7.2E	2	1.3L		**¶97i3883**
ISC	**I**	**26 18 06 12**±1.0	**43.79N**±.052	**6.4E**±.14	**5**		**7**	**0-2**
NEIC	I	26 18 06 12.6	43.77N	6.45E	5			**¶97i3977**
LDG	I	26 18 06 13.1	43.8N	6.4E	2	1.6L		
NEIC		Single network solution.						
LDG	**I**	**28 10 04 51.3**	**43.8N**	**6.4E**	**2**	**1.3L**		**¶97i4196**
ISC	**I**	**30 18 58 45**±1.5	**43.50N**±.085	**5.4E**±.12	**2**		**8**	**0-2**
LDG	I	30 18 58 44.5	43.8N	5.3E	2	2.1L		**¶97i4530**
ISC	**II**	**04 23 44 13.8**±.53	**43.94N**±.038	**7.58E**±.051	**9**±6.4		**24**	**0-2**
LDG	II	04 23 44 13.3	44.0N	7.7E	2	2.3L		**¶97ii0607**
ROM	II	04 23 44 13.8	43.9N	7.6E	9	2.3D		
NEIC	II	04 23 44 14.1	43.94N	7.65E	10			
NEIC		$M_{L2.7}$(GEN)						
ISC	**II**	**07 21 28 24.2**±.69	**43.89N**±.054	**7.42E**±.066	**10**±9.0		**13**	**0-1**
NEIC	II	07 21 28 23.7	43.87N	7.40E	10			**¶97ii1043**
LDG	II	07 21 28 24.5	43.9N	7.5E	2	1.8L		
NEIC		M_L1.9(GEN), Single network solution.						
LDG	**II**	**08 08 16 08.0**	**43.8N**	**5.8E**	**2**	**1.7L**		**¶97ii1115**
ISC	**II**	**08 19 02 42.8**±.56	**43.94N**±.040	**7.60E**±.051	**2**		**16**	**0-2**
LDG	II	08 19 02 42.0	43.9N	7.8E	2	2.1L		**¶97ii1186**
ISC	**II**	**08 19 18 42.6**±.46	**43.61N**±.037	**5.60E**±.042	**11**±4.7		**39**	**0-5**
NEIC	II	08 19 18 43.3	43.62N	5.61E	5			**¶97ii1188**
LDG	II	08 19 18 43.6	43.6N	5.6E	2	2.8L		
NEIC		$M_{L2.9}$(STR).						
ISC	**II**	**14 20 46 10**±3.5	**44.0N**±.19	**7.5E**±.13	**5**±34		**5**	**0-0**
NEIC	II	14 20 46 10.3	43.99N	7.45E	5			**¶97ii2110**
ISC		Poorly determined						
NEIC		M_L1.2(STR), Single network solution.						
ISC	**II**	**14 22 04 31**±1.0	**43.97N**±.048	**7.44E**±.058	**10**±12		**16**	**0-1**
LDG	II	14 22 04 31.2	44.0N	7.5E	2	1.7L		**¶97ii2122**
NEIC	II	14 22 04 31.2	43.98N	7.44E	5			
NEIC		$M_{L1.9}$(GEN)						
NEIC		ML 1.3 (STR).						
ISC	**II**	**15 00 11 20.4**±.51	**43.99N**±.042	**7.44E**±.051	**11**±6.3		**22**	**0-1**
NEIC	II	15 00 11 20.7	44.00N	7.45E	5			**¶97ii2138**
LDG	II	15 00 11 21.0	44.0N	7.5E	2	2.1L		
NEIC		$M_{L2.2}$(GEN)						
NEIC		ML 1.5 (STR).						
ISC	**II**	**15 00 22 49.0**±.85	**43.98N**±.043	**7.44E**±.051	**8**±12		**18**	**0-1**
NEIC	II	15 00 22 49.1	43.98N	7.45E	5			**¶97ii2139**
LDG	II	15 00 22 49.4	44.0N	7.5E	2	1.5L		
NEIC		$M_{L2.0}$(GEN)						
ISC	**II**	**15 00 30 19**±1.0	**43.97N**±.093	**7.5E**±.11	**10**		**10**	**0-1**
NEIC	II	15 00 30 18.8	44.01N	7.47E	10			**¶97ii2141**
LDG	II	15 00 30 19.1	44.0N	7.6E	2	1.5L		
NEIC		$M_{L1.0}$(STR).						
ISC	**II**	**15 00 48 54**±2.3	**44.0N**±.10	**7.4E**±.11	**5**±25		**9**	**0-1**
LDG	II	15 00 48 52.2	44.0N	7.7E	2	1.6L		**¶97ii2145**
NEIC	II	15 00 48 53.7	43.99N	7.45E	5			
NEIC		$M_{L1.1}$(STR).						
ISC	**II**	**15 01 21 34.6**±.91	**43.97N**±.044	**7.44E**±.055	**10**±11		**17**	**0-1**
LDG	II	15 01 21 33.1	44.0N	7.6E	2	1.6L		**¶97ii2149**
NEIC	II	15 01 21 34.8	43.98N	7.44E	5			
NEIC		$M_{L1.9}$(GEN)						
ISC	**II**	**15 01 39 52.3**±.78	**43.99N**±.055	**7.44E**±.077	**5**		**10**	**0-1**
NEIC	II	15 01 39 52.2	43.99N	7.44E	5			**¶97ii2154**
NEIC		$M_{L1.9}$(GEN).						

ISC	**II**	**15 01 57 17.2**±.58	**44.00N**±.048	**7.45E**±.053	**5**		**13**	**0-1**
NEIC	II	15 01 57 17.1	44.00N	7.45E	5			**¶97ii2158**
NEIC	M_L1.9(GEN).							
ISC	**II**	**15 03 01 18**±3.4	**44.0N**±.20	**7.5E**±.13	**5**±31		**5**	**0-0**
NEIC	II	15 03 01 16.8	44.01N	7.47E	10			**¶97ii2165**
ISC	Poorly determined							
NEIC	M_L1.0(STR), Single network solution.							
ISC	**II**	**15 14 07 33**±2.9	**44.0N**±.11	**7.4E**±.14	**9**±23		**10**	**0-1**
LDG	II	15 14 07 33.0	44.0N	7.5E	2	1.9L		**¶97ii2244**
NEIC	II	15 14 07 33.2	43.98N	7.44E	5			
NEIC	M_L1.3(STR).							
ISC	**II**	**15 14 12 33.7**±.72	**43.97N**±.050	**7.45E**±.060	**13**±7.5		**16**	**0-1**
LDG	II	15 14 12 34.0	44.0N	7.5E	2	1.8L		**¶97ii2246**
NEIC	II	15 14 12 34.2	43.98N	7.45E	5			
NEIC	M_L2.0(GEN)							
NEIC	ML 1.4 (STR).							
ISC	**II**	**17 23 41 05**±1.6	**43.98N**±.097	**8.0E**±.13	**10**		**6**	**0-1**
NEIC	II	17 23 41 05.0	43.97N	7.97E	10			**¶97ii2574**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**II**	**23 16 17 18**±1.1	**43.6N**±.11	**4.7E**±.12	**10**		**9**	**1-4**
NEIC	II	23 16 17 17.8	43.44N	4.68E	10			**¶97ii3345**
LDG	II	23 16 17 18.8	43.5N	4.7E	2	2.2L		
NEIC	Single network solution.							
ISC	**II**	**23 17 09 49**±1.4	**43.75N**±.057	**6.2E**±.15	**10**±9.3		**16**	**0-2**
LDG	II	23 17 09 49.5	43.7N	6.2E	15	1.9L		**¶97ii3351**
NEIC	II	23 17 09 49.5	43.73N	6.26E	10			
ISC	**II**	**28 09 24 05**±1.3	**43.80N**±.092	**7.3E**±.15	**10**		**6**	**0-0**
NEIC	II	28 09 24 04.4	43.80N	7.33E	10			**¶97ii4197**
NEIC	M_L1.2(STR), Single network solution.							
ISC	**III**	**03 01 15 15**±4.4	**43.8N**±.52	**6.9E**±.42	**5**		**4**	**0-1**
NEIC	III	03 01 15 15.0	43.80N	6.90E	5			**¶97iii0438**
LDG	III	03 01 15 15.2	43.8N	6.9E	2	2.2L		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**III**	**03 19 37 40**±1.3	**43.48N**±.076	**5.53E**±.083	**8**±13		**14**	**0-2**
NEIC	III	03 19 37 39.9	43.47N	5.48E	5			**¶97iii0674**
NEIC	M_L2.1(STR), Single network solution.							
ISC	**III**	**05 09 16 46.4**±.75	**43.42N**±.053	**5.50E**±.064	**0**		**20**	**0-2**
NEIC	III	05 09 16 46.3	43.42N	5.47E	5			**¶97iii1026**
STR	III	05 09 16 46.9	43.41N	5.45E	1	3.2L		
ISC	Possible rockburst							
ISC	**III**	**05 15 43 29**±3.3	**44.0N**±.17	**7.4E**±.13	**4**±41		**5**	**0-0**
NEIC	III	05 15 43 29.1	43.98N	7.44E	5			**¶97iii1090**
ISC	Poorly determined							
NEIC	M_L0.8(STR), Single network solution.							
ISC	**III**	**07 08 15 26**±2.5	**43.86N**±.087	**7.3E**±.12	**9**±24		**6**	**0-0**
NEIC	III	07 08 15 26.0	43.87N	7.32E	10			**¶97iii1472**
NEIC	M_L1.2(STR), Single network solution.							
ISC	**III**	**14 10 25 26.8**±.67	**43.72N**±.077	**6.93E**±.056	**10**±6.2		**22**	**0-1**
NEIC	III	14 10 25 27.2	43.75N	6.96E	10			**¶97iii2857**
NEIC	M_L2.2(STR).							
ISC	**III**	**19 09 40 40.6**±.72	**43.74N**±.050	**3.20E**±.062	**5**		**15**	**1-4**
NEIC	III	19 09 40 41.6	43.61N	3.27E	5			**¶97iii3678**
LDG	III	19 09 40 42.8	43.7N	3.2E	2	2.7L		
NEIC	Single network solution.							
ISC	**III**	**21 08 26 24.2**±.83	**43.43N**±.058	**5.52E**±.061	**0**		**14**	**0-2**
NEIC	III	21 08 26 24.0	43.41N	5.44E	7			**¶97iii4039**
NEIC	M_L2.7(STR), Single network solution.							
NEIC	Mining induced event in the Lorraine region, France.							
ISC	**III**	**28 23 23 15**±4.5	**43.7N**±.44	**7.3E**±.55	**5**		**4**	**0-1**
NEIC	III	28 23 23 14.9	43.69N	7.29E	5			**¶97iii5502**
LDG	III	28 23 23 15.6	43.8N	7.2E	2	1.6L		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**III**	**30 16 01 05.0**±.85	**43.85N**±.057	**7.21E**±.090	**11**±11		**10**	**0-2**
NEIC	III	30 16 01 05.5	43.73N	7.25E	10			**¶97iii5772**
LDG	III	30 16 01 05.9	43.8N	7.2E	2	2.1L		
NEIC	Single network solution.							
ISC	**III**	**31 00 45 21.7**±.55	**43.92N**±.039	**7.65E**±.054	**10**		**19**	**0-2**
LDG	III	31 00 45 21.8	43.9N	7.7E	10	1.8L		**¶97iii5822**
NEIC	III	31 00 45 21.8	43.89N	7.70E	10			
NEIC	M_L2.1(GEN)							
ISC	**IV**	**10 13 59 40.4**±.69	**43.67N**±.056	**6.99E**±.069	**10**±7.7		**14**	**0-2**
NEIC	IV	10 13 59 40.4	43.64N	7.00E	10			**¶97iv1705**
LDG	IV	10 13 59 41.1	43.6N	7.0E		2.2L		
NEIC	M_L2.0(STR).							
ISC	**IV**	**11 04 32 13**±1.0	**43.42N**±.063	**5.5E**±.10	**6**±7.1		**15**	**0-2**
NEIC	IV	11 04 32 12.7	43.39N	5.41E	10			**¶97iv1805**
NEIC	M_L2.6(STR), Single network solution.							
LDG	**IV**	**12 23 53 25.7**	**43.9N**	**7.1E**		**2.5L**		**¶97iv2155**
ISC	**IV**	**12 23 59 39**±1.4	**43.8N**±.55	**7.2E**±.45	**0**		**4**	**0-1**
LDG	IV	12 23 59 39.5	43.8N	7.2E		2.6L		**¶97iv2157**
ISC	Poorly determined							
ISC	**IV**	**28 22 39 23**±1.9	**43.89N**±.098	**7.9E**±.15	**14**±8.1		**14**	**0-1**
LDG	IV	28 22 39 23.8	43.9N	8.0E		1.7L		**¶97iv4987**
NEIC	IV	28 22 39 24.1	43.93N	7.94E	10			
NEIC	M_L2.1(GEN)							
ISC	**IV**	**29 14 58 51**±3.6	**43.7N**±.33	**6.7E**±.35	**0**		**5**	**0-1**
LDG	IV	29 14 58 51.1	43.8N	6.7E		2.0L		**¶97iv5095**
ISC	Poorly determined							
ISC	**IV**	**30 10 04 23**±2.1	**43.7N**±.12	**6.6E**±.18	**9**±43		**5**	**0-1**
NEIC	IV	30 10 04 23.5	43.64N	6.68E	5			**¶97iv5197**
LDG	IV	30 10 04 24.4	43.6N	6.7E		1.9L		
ISC	Poorly determined							
NEIC	Single network solution.							
ROM	**V**	**23 15 53 13.9**	**43.2N**	**5.6E**	**10**	**3.1D**		**¶97v3968**
ISC	**V**	**25 01 48 14.9**±.66	**43.75N**±.041	**6.63E**±.075	**7**±7.9		**15**	**0-3**
NEIC	V	25 01 48 15.0	43.73N	6.65E	5			**¶97v4198**
ROM	V	25 01 48 15.3	43.7N	6.8E	5	2.6D		
LDG	V	25 01 48 15.7	43.7N	6.7E		2.3L		
NEIC	Single network solution.							
ISC	**V**	**25 02 51 58**±4.4	**43.8N**±.29	**6.6E**±.34	**5**		**4**	**0-1**
NEIC	V	25 02 51 57.8	43.79N	6.62E	5			**¶97v4209**
LDG	V	25 02 51 58.6	43.8N	6.7E		1.6L		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**V**	**27 10 40 25**±1.4	**43.3N**±.11	**4.59E**±.073	**9**±13		**11**	**1-3**
NEIC	V	27 10 40 25.7	43.37N	4.62E	10			**¶97v4554**
LDG	V	27 10 40 28.7	43.4N	4.6E		2.6L		
NEIC	Single network solution.							
LDG	**VI**	**02 04 32 31.2**	**43.9N**	**7.8E**		**2.1L**		**¶97vi0180**
STR	**VI**	**03 17 04 19.3**	**43.44N**	**5.45E**	**1**	**3.0L**		**¶97vi0492**
ISC	**VI**	**07 00 50 44**±2.6	**43.8N**±.60	**7.4E**±.66	**0**		**4**	**0-1**
LDG	VI	07 00 50 43.8	43.9N	7.4E		1.6L		**¶97vi1019**
ISC	Poorly determined							
ROM	**VI**	**13 10 08 42.1**	**43.1N**	**5.3E**	**10**	**3.2D**		**¶97vi1969**
STR	VI	13 10 08 44.5	43.43N	5.48E	1	3.2L		
ISC	**VI**	**14 18 16 48**±1.0	**44.0N**±.11	**7.37E**±.099	**5**		**5**	**0-0**
NEIC	VI	14 18 16 48.1	43.98N	7.37E	5			**¶97vi2154**
NEIC	Single network solution.							
ISC	**VI**	**23 02 58 02.6**±.64	**43.97N**±.046	**7.28E**±.067	**0**		**12**	**0-1**
LDG	VI	23 02 58 03.6	43.7N	7.5E		2.2L		**¶97vi3476**
ISC	**VI**	**25 17 02 07**±1.3	**43.76N**±.057	**6.3E**±.16	**5**		**6**	**0-1**
NEIC	VI	25 17 02 07.5	43.74N	6.32E	5			**¶97vi3989**
LDG	VI	25 17 02 08.0	43.7N	6.3E		1.9L		
NEIC	Single network solution.							
ISC	**VI**	**25 17 54 57.7**±.76	**43.44N**±.051	**5.48E**±.070	**0**		**17**	**0-2**
NEIC	VI	25 17 54 57.5	43.42N	5.42E	10			**¶97vi4000**
NEIC	M_L2.6(STR).							
NEIC	Mining induced event in the Gardanne area.							
ISC	**VI**	**26 06 08 34.5**±.30	**43.99N**±.024	**7.31E**±.029	**10**±3.0		**87**	**0-7**
NEIC	VI	26 06 08 34.5	43.98N	7.32E	10			**¶97vi4090**
STR	VI	26 06 08 34.9	43.97N	7.30E	4	3.6L		
LDG	VI	26 06 08 35.8	43.9N	7.3E		3.4L		
ROM	VI	26 06 08 39.9	44.5N	7.6E	5	3.0D		
ISC	**VI**	**26 06 10 27.5**±.53	**43.97N**±.038	**7.27E**±.052	**8**±8.9		**20**	**0-2**
LDG	VI	26 06 10 28.3	44.0N	7.3E		2.4L		**¶97vi4091**
NEIC	VI	26 06 10 28.3	43.90N	7.31E	10			
NEIC	Single network solution.							
ISC	**VI**	**26 07 15 30**±1.5	**43.97N**±.094	**7.3E**±.12	**5**		**6**	**0-1**
NEIC	VI	26 07 15 30.3	43.90N	7.29E	5			**¶97vi4098**
LDG	VI	26 07 15 30.4	43.9N	7.3E		2.2L		
NEIC	Single network solution.							
ISC	**VI**	**26 08 06 05.0**±.33	**43.95N**±.031	**7.29E**±.034	**11**±4.1		**42**	**0-4**
NEIC	VI	26 08 06 05.2	43.96N	7.36E	10			**¶97vi4101**
LDG	VI	26 08 06 06.3	43.9N	7.3E		2.6L		
NEIC	M_L2.6(STR).							
ISC	**VI**	**27 04 22 17.0**±.54	**43.96N**±.042	**7.29E**±.052	**10**±6.0		**24**	**0-4**
NEIC	VI	27 04 22 17.2	43.94N	7.26E	5			**¶97vi4235**
LDG	VI	27 04 22 18.2	43.9N	7.3E		2.3L		
NEIC	Single network solution.							
ISC	**VI**	**30 08 12 12.5**±.77	**43.45N**±.048	**5.48E**±.072	**0**		**17**	**0-2**
NEIC	VI	30 08 12 12.3	43.43N	5.41E	10			**¶97vi4730**
NEIC	Possible rockburst, M_L2.9(STR), Single network solution.							
NEIC	Mining induced event in the Gardanne area.							

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ISC	**I**	**03 11 30 50**±1.8	**43.95N**±.058	**8.7E**±.13	**11**±8.3		**28**	**0-2**
NEIC	I	03 11 30 49.4	43.99N	8.75E	10			**¶97i0363**
LDG	I	03 11 30 49.9	44.0N	8.7E	7	3.0L		
NEIC	M_L2.9(STR).							
NEIC	ML 2.7 (GEN).							
ISC	**I**	**06 22 32 22**±1.7	**43.87N**±.055	**8.7E**±.12	**6**±8.2		**28**	**0-2**
LDG	I	06 22 32 22.5	44.0N	8.7E	11	2.8L		**¶97i0844**
NEIC	I	06 22 32 22.6	43.88N	8.70E	10			
NEIC	M_L2.8(GEN).							
NEIC	ML 2.7 (STR).							
ISC	**I**	**12 03 42 07**±13	**43.7N**±.22	**8.0E**±.92	**2**		**7**	**0-2**
LDG	I	12 03 42 14.4	43.8N	7.6E	2	1.8L		**¶97i1620**
ISC	**II**	**24 12 06 17.9**±.48	**43.71N**±.023	**8.42E**±.023	**29**±4.7	**3.7b**	**164**	**0-65**
NEIC	II	24 12 06 17.1	43.70N	8.43E	20			**¶97ii3473**
ROM	II	24 12 06 17.2	43.8N	8.4E	5	3.9D		
STR	II	24 12 06 17.5	43.71N	8.48E	1	4.5L		
LDG	II	24 12 06 17.6	43.6N	8.4E	2	4.2L		
MDD	II	24 12 06 19.2	43.64N	8.43E	21	3.5		
EIDC	II	24 12 06 19.7	43.8N	8.3E	23	3.7b,4.1L		
SZGRF	II	24 12 06 44.9	45.75N	9.23E	10	3.7L		
NEIC	ML 4.1 (GEN), 4.0 (FUR).							
ISC	**II**	**24 16 33 47**±5.2	**43.6N**±.16	**8.6E**±.31	**10**±17		**14**	**1-2**
NEIC	II	24 16 33 48.3	43.66N	8.54E	20			**¶97ii3506**
LDG	II	24 16 33 50.8	43.5N	8.3E	2	1.9L		
NEIC	M_L1.9(GEN)							
ISC	**II**	**24 16 43 44.4**±.91	**43.65N**±.059	**8.41E**±.074	**15**		**23**	**0-2**
NEIC	II	24 16 43 44.5	43.68N	8.48E	20			**¶97ii3507**
LDG	II	24 16 43 45.8	43.7N	8.4E	15	2.3L		
NEIC	M_L2.8(STR)							
NEIC	ML 2.3 (GEN).							
ISC	**II**	**24 18 01 19**±1.0	**43.65N**±.061	**8.44E**±.095	**15**		**20**	**0-2**
NEIC	II	24 18 01 19.6	43.67N	8.49E	20			**¶97ii3514**
LDG	II	24 18 01 20.8	43.7N	8.4E	15	2.0L		
NEIC	M_L2.2(GEN)							
ISC	**II**	**25 02 03 41.3**±.87	**43.66N**±.052	**8.48E**±.077	**20**		**36**	**0-2**
NEIC	II	25 02 03 41.1	43.68N	8.48E	20			**¶97ii3563**
LDG	II	25 02 03 42.6	43.6N	8.4E	15	2.6L		
NEIC	M_L2.7(GEN)							
NEIC	ML 2.6 (STR).							
ISC	**II**	**25 02 51 50**±1.3	**43.70N**±.087	**8.4E**±.12	**21**±13		**15**	**0-2**
NEIC	II	25 02 51 49.5	43.70N	8.44E	20			**¶97ii3573**
LDG	II	25 02 51 51.2	43.6N	8.4E	15	1.8L		
NEIC	M_L2.2(GEN)							
ISC	**II**	**25 23 12 30**±4.1	**43.9N**±.20	**8.3E**±.25	**12**±14		**8**	**0-1**
NEIC	II	25 23 12 27.7	43.73N	8.46E	10			**¶97ii3704**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**II**	**26 17 31 47.1**±.46	**43.65N**±.041	**8.45E**±.034	**10**		**64**	**0-7**
NEIC	II	26 17 31 46.8	43.65N	8.47E	10			**¶97ii3830**
LDG	II	26 17 31 48.1	43.6N	8.4E	2	3.2L		
STR	II	26 17 31 48.3	43.66N	8.42E	10	3.7L		
ROM	II	26 17 31 49.1	43.8N	8.4E	5	3.0D		
NEIC	M_L3.3(GEN).							
ISC	**II**	**26 17 34 25.6**±.66	**43.70N**±.041	**8.41E**±.036	**21**±5.8		**76**	**0-7**
NEIC	II	26 17 34 24.4	43.69N	8.43E	10			**¶97ii3832**
LDG	II	26 17 34 24.9	43.6N	8.4E	2	3.4L		
ROM	II	26 17 34 25.8	43.8N	8.4E	5	3.1D		
STR	II	26 17 34 25.8	43.83N	8.48E	10	3.9L		
NEIC	ML 3.4 (GEN).							
ISC	**II**	**26 20 15 00.7**±.89	**43.70N**±.052	**8.46E**±.061	**21**±6.5		**48**	**0-5**
NEIC	II	26 20 14 59.6	43.69N	8.48E	10			**¶97ii3848**
LDG	II	26 20 15 00.4	43.6N	8.4E	2	3.0L		
ROM	II	26 20 15 00.6	43.8N	8.4E	5	2.8D		
STR	II	26 20 15 01.0	43.70N	8.45E	2	3.4L		
NEIC	M_L3.1(GEN).							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**26 21 58 25.4**±.63	**43.70N**±.039	**8.43E**±.034	**20**±5.8		**84**	**0-21**
NEIC	II	26 21 58 24.0	43.67N	8.42E	10			¶97ii3863
ROM	II	26 21 58 24.2	43.7N	8.4E	5	3.3D		
LDG	II	26 21 58 24.7	43.7N	8.4E	2	3.5L		
STR	II	26 21 58 25.0	43.71N	8.49E	2	3.6L		
EIDC	II	26 21 58 31.7	44.3N	8.5E	0	3.2L,3.3b		
NEIC	ML 3.4 (GEN).							
ISC	**III**	**04 00 04 24**±1.3	**43.67N**±.075	**8.5E**±.12	**16**±13		**17**	**1-2**
NEIC	III	04 00 04 23.8	43.69N	8.49E	20			¶97iii0718
NEIC	$M_{L2.3}$(GEN), $M_{L2.2}$(LDG).							
LDG	**III**	**09 13 21 20.4**	**43.8N**	**8.0E**	**2**	**1.8L**		¶97iii1975
ISC	**III**	**21 00 07 18**±1.2	**43.22N**±.078	**8.1E**±.12	**10**		**10**	**1-2**
NEIC	III	21 00 07 19.1	43.27N	8.13E	10			¶97iii3973
LDG	III	21 00 07 19.6	43.2N	8.1E	10	2.0L		
NEIC	$M_{L1.9}$(STR).							
LDG	**III**	**31 06 36 46.9**	**41.7N**	**9.5E**	**2**	**2.9L**		¶97iii5853
LDG	**III**	**31 06 47 15.8**	**41.7N**	**9.5E**	**2**	**2.4L**		¶97iii5854
LDG	**III**	**31 07 13 36.6**	**41.8N**	**9.4E**	**2**	**2.8L**		¶97iii5858
LDG	**III**	**31 11 16 01.7**	**41.8N**	**9.5E**	**2**	**2.4L**		¶97iii5879
LDG	**III**	**31 20 50 16.6**	**41.7N**	**9.4E**	**2**	**2.7L**		¶97iii5934
ISC	**IV**	**08 02 05 07**±1.2	**43.93N**±.056	**8.78E**±.099	**5**		**28**	**0-3**
NEIC	IV	08 02 05 06.6	43.95N	8.85E	5			¶97iv1261
LDG	IV	08 02 05 07.8	43.9N	8.9E		2.2L		
NEIC	$M_{L2.3}$(GEN)							
NEIC	ML 2.2 (STR).							
STR	**V**	**11 10 41 55.1**	**42.22N**	**9.51E**	**2**	**3.1L**		¶97v1769
LDG	V	11 10 41 51.1	41.7N	9.5E		2.8L		
LDG	**V**	**11 22 14 17.2**	**41.8N**	**9.5E**		**2.4L**		¶97v1853
ISC	**V**	**16 16 21 17**±1.3	**43.63N**±.054	**8.48E**±.077	**6**±6.5		**41**	**1-3**
LDG	V	16 16 21 17.3	43.7N	8.5E		2.7L		¶97v2802
NEIC	V	16 16 21 17.6	43.66N	8.46E	10			
ROM	V	16 16 21 19.0	43.8N	8.4E	5	2.6D		
NEIC	$M_{L2.9}$(GEN)							
NEIC	ML 2.5 (STR).							
LDG	**VI**	**15 00 55 24.0**	**43.7N**	**8.5E**		**1.9L**		¶97vi2199
LDG	**VI**	**16 16 57 51.8**	**41.7N**	**9.4E**		**2.2L**		¶97vi2495

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ROM	**I**	**02 16 32 48.2**	**43.1N**	**13.0E**	**10**	**2.1D**		¶97i0246
ISC	**I**	**03 19 48 22**±11	**43.2N**±.79	**11.0E**±.25	**10**		**4**	**1-1**
ROM	I	03 19 48 22.9	43.3N	11.1E	10	2.1D		¶97i0417
ISC	Poorly determined							
ROM	**I**	**04 09 07 03.6**	**43.8N**	**11.9E**	**9**	**2.1D**		¶97i0511
ISC	**I**	**04 10 37 32.0**±.83	**43.83N**±.073	**11.97E**±.085	**11**±8.4		**8**	**0-3**
ROM	I	04 10 37 31.6	43.8N	12.0E	10	2.6D		¶97i0526
ISC	**I**	**04 11 28 58**±1.1	**42.67N**±.075	**13.1E**±.15	**5**		**5**	**0-1**
ROM	I	04 11 28 57.4	42.7N	13.2E	5	2.5D		¶97i0532
ISC	**I**	**05 03 40 26**±4.5	**43.2N**±.13	**13.8E**±.35	**1**±24		**6**	**1-1**
ROM	I	05 03 40 26.5	43.2N	13.7E	5	2.5D		¶97i0611
ROM	**I**	**08 13 07 22.5**	**43.3N**	**11.5E**	**10**	**2.3D**		¶97i1064
ISC	**I**	**10 18 25 24.9**±.73	**43.92N**±.052	**10.78E**±.051	**11**±5.9		**40**	**0-6**
NEIC	I	10 18 25 23.5	43.86N	10.87E	10			¶97i1405
ROM	I	10 18 25 24.5	44.0N	10.8E	5	2.8D		
LDG	I	10 18 25 27.6	43.8N	10.7E		2.8L		
NEIC	Less reliable solution.							
ISC	**I**	**19 00 18 51.4**±.90	**43.76N**±.079	**11.95E**±.092	**8**±11		**7**	**0-1**
ROM	I	19 00 18 50.9	43.8N	12.0E	12	2.8D		¶97i2747
ISC	**I**	**19 01 26 03.9**±.60	**43.76N**±.041	**11.92E**±.046	**10**±5.0		**37**	**0-7**
ROM	I	19 01 26 03.5	43.8N	12.0E	3	3.4D		¶97i2758
NEIC	I	19 01 26 04.9	43.77N	11.77E	10			
LDG	I	19 01 26 06.2	43.7N	11.9E	2	3.0L		
NEIC	Single network solution.							
ROM	**I**	**19 01 54 29.0**	**43.0N**	**12.9E**	**5**	**2.4D**		¶97i2763
ISC	**I**	**19 16 21 20**±1.2	**43.78N**±.096	**12.0E**±.13	**7**		**4**	**0-1**
ROM	I	19 16 21 19.2	43.8N	12.0E	7	2.3D		¶97i2864
ISC	Poorly determined							
ISC	**I**	**23 20 50 01.4**±.84	**43.56N**±.055	**13.2E**±.11	**56**±15		**28**	**0-8**
LDG	I	23 20 50 02.2	43.7N	13.1E	2	3.0L		¶97i3546
NEIC	I	23 20 50 02.3	43.84N	12.86E	10			
ROM	I	23 20 50 02.5	43.4N	13.2E	13	3.0D		
NEIC	Poor solution.							
ISC	**I**	**24 05 42 03**±4.5	**43.1N**±.11	**13.3E**±.43	**5**		**4**	**0-1**
ROM	I	24 05 42 02.2	43.1N	13.3E	5	2.7D		¶97i3605
ISC	Poorly determined							
ISC	**I**	**27 20 40 19**±1.0	**42.8N**±.12	**12.9E**±.26	**10**		**7**	**0-1**
ROM	I	27 20 40 19.6	42.8N	12.8E	10	2.6D		¶97i4124
ISC	**I**	**29 02 20 27**±1.1	**42.47N**±.059	**12.7E**±.15	**9**		**6**	**1-1**
ROM	I	29 02 20 26.5	42.5N	12.8E	9	2.2D		¶97i4286
ISC	**II**	**02 02 54 13**±1.3	**44.0N**±.11	**10.8E**±.13	**10**		**5**	**0-1**
ROM	II	02 02 54 12.5	44.0N	10.8E	10	2.0D		¶97ii0164
ISC	**II**	**02 15 00 22.9**±.91	**43.82N**±.086	**11.92E**±.092	**7**±12		**7**	**0-1**
ROM	II	02 15 00 22.6	43.8N	11.9E	8	2.6D		¶97ii0238
ROM	**II**	**02 17 18 39.1**	**43.8N**	**11.9E**	**9**	**2.1D**		¶97ii0250
ISC	**II**	**07 15 45 32.5**±.61	**43.15N**±.054	**10.72E**±.048	**5**		**32**	**1-6**
ROM	II	07 15 45 34.6	43.3N	10.9E	5	3.0D		¶97ii1007
LDG	II	07 15 45 35.8	43.2N	10.6E	2	3.0L		
ROM	**II**	**07 17 35 08.5**	**43.2N**	**12.7E**	**7**	**2.1D**		¶97ii1016
ISC	**II**	**08 11 12 26**±5.0	**43.3N**±.12	**13.2E**±.48	**5**		**4**	**0-1**
ROM	II	08 11 12 24.6	43.3N	13.3E	5	2.2D		¶97ii1130
ISC	Poorly determined							
ISC	**II**	**09 05 19 10**±1.6	**42.84N**±.068	**12.8E**±.29	**5**		**5**	**0-1**
ROM	II	09 05 19 09.2	42.9N	12.7E	5	2.3D		¶97ii1259
ROM	**II**	**09 20 03 06.7**	**42.8N**	**13.4E**	**10**	**2.4D**		¶97ii1359
ROM	**II**	**10 16 01 07.9**	**43.4N**	**13.0E**	**8**	**2.1D**		¶97ii1481
ISC	**II**	**11 10 33 26**±1.1	**42.39N**±.092	**13.0E**±.11	**5**		**5**	**0-1**
ROM	II	11 10 33 24.9	42.4N	13.0E	5	2.6D		¶97ii1617
ISC	**II**	**12 19 46 40**±1.0	**43.8N**±.10	**12.01E**±.097	**17**		**6**	**0-1**
ROM	II	12 19 46 39.8	43.8N	12.0E	17	2.5D		¶97ii1809
ISC	**II**	**13 04 22 49**±1.1	**42.11N**±.073	**13.3E**±.11	**10**		**5**	**0-1**
ROM	II	13 04 22 49.2	42.2N	13.3E	10	2.6D		¶97ii1873
ROM	**II**	**13 12 54 36.7**	**42.2N**	**13.4E**	**25**	**2.4D**		¶97ii1923
ROM	**II**	**13 18 10 31.2**	**43.3N**	**13.0E**	**10**	**2.2D**		¶97ii1957
ISC	**II**	**13 22 43 20.3**±.95	**43.05N**±.073	**10.68E**±.064	**5**		**29**	**1-6**
NEIC	II	13 22 43 23.0	43.18N	10.43E	5			¶97ii1991
LDG	II	13 22 43 23.5	43.1N	10.6E	2	2.7L		
ROM	II	13 22 43 25.7	43.5N	10.9E	18	2.5D		
NEIC	Less reliable solution.							
ROM	**II**	**16 05 14 26.6**	**43.0N**	**12.9E**	**10**	**2.4D**		¶97ii2342
ROM	**II**	**16 15 07 21.1**	**43.1N**	**12.5E**	**7**	**2.3D**		¶97ii2385
ROM	**II**	**17 12 05 28.2**	**43.3N**	**12.5E**	**10**	**2.1D**		¶97ii2487
ISC	**II**	**20 23 32 53**±1.8	**43.04N**±.088	**13.5E**±.21	**5**		**7**	**1-1**
ROM	II	20 23 32 51.8	43.1N	13.5E	5	2.6D		¶97ii2991
ISC	**II**	**23 11 41 54**±1.5	**43.02N**±.081	**12.8E**±.21	**5**		**4**	**0-1**
ROM	II	23 11 41 52.9	43.0N	12.8E	5	2.5D		¶97ii3323
ISC	Poorly determined							
ROM	**II**	**23 16 14 25.4**	**42.4N**	**13.8E**	**10**	**2.6D**		¶97ii3344
ISC	**II**	**25 02 04 38**±1.9	**43.06N**±.075	**13.3E**±.18	**1**±17		**8**	**0-1**
ROM	II	25 02 04 38.6	43.1N	13.2E	5	2.8D		¶97ii3564
ISC	**II**	**25 04 49 19**±1.8	**43.08N**±.074	**13.3E**±.18	**3**±16		**8**	**0-1**
ROM	II	25 04 49 18.8	43.1N	13.2E	5	2.7D		¶97ii3582
ISC	**II**	**25 10 12 53**±1.1	**43.08N**±.049	**13.1E**±.11	**6**±9.7	3.1b	**20**	**0-67**
ROM	II	25 10 12 53.6	43.1N	13.1E	5	3.3D		¶97ii3609
ISC	**III**	**01 15 15 24**±1.2	**42.25N**±.085	**13.3E**±.13	**5**		**5**	**0-1**
ROM	III	01 15 15 23.6	42.3N	13.3E	5	2.4D		¶97iii0129
ISC	**III**	**05 07 44 43.4**±.94	**43.19N**±.065	**12.8E**±.12	**5**		**6**	**0-2**
ROM	III	05 07 44 42.5	43.2N	12.8E	5	2.7D		¶97iii1010
ISC	**III**	**09 05 43 09.4**±.90	**43.35N**±.083	**13.0E**±.11	**32**±8.6		**11**	**0-3**
ROM	III	09 05 43 10.2	43.3N	12.9E	25	2.7D		¶97iii1912
ISC	**III**	**13 05 05 50.2**±.95	**43.06N**±.079	**13.2E**±.15	**4**		**8**	**0-2**
ROM	III	13 05 05 49.8	43.1N	13.2E	4	2.8D		¶97iii2648
ROM	**III**	**16 20 49 37.0**	**43.0N**	**12.9E**	**10**	**2.6D**		¶97iii3268
ISC	**III**	**21 16 46 20**±1.7	**42.90N**±.029	**11.71E**±.028	**9**±13	**4.0b**,4.2s	**145**	**1-87**
EIDC	III	21 16 46 20.2	42.9N	12.2E	0	3.9b,3.9L		¶97iii4103
NEIC	III	21 16 46 20.7	42.88N	11.69E	10	3.6b		
ROM	III	21 16 46 21.4	42.9N	11.8E	10	3.5D		
MOS	III	21 16 46 21.5	43.0N	11.8E	10	4.0b		
LDG	III	21 16 46 22.9	42.8N	11.6E	2	3.3L		
ISC	**III**	**22 08 29 07**±2.1	**42.89N**±.072	**13.65E**±.093	**7**±18		**16**	**1-7**
ROM	III	22 08 29 07.9	42.8N	13.5E	5	2.9D		¶97iii4231
LDG	III	22 08 29 09.0	42.9N	13.8E	2	3.2L		
ISC	**III**	**25 16 12 00.5**±.64	**43.97N**±.041	**11.77E**±.050	**28**±8.1		**49**	**0-7**
NEIC	III	25 16 11 58.6	43.93N	11.75E	10			¶97iii4755
ROM	III	25 16 12 01.0	44.0N	11.8E	22	2.8D		
LDG	III	25 16 12 01.0	44.0N	11.8E	2	3.0L		
NEIC	$M_{L3.0}$(VIE).							
ROM	**III**	**26 00 02 03.7**	**42.3N**	**13.5E**	**10**	**2.2D**		¶97iii4815
ROM	**III**	**26 23 07 24.4**	**43.0N**	**12.9E**	**10**	**2.4D**		¶97iii5093
ROM	**III**	**28 20 00 02.5**	**42.1N**	**13.2E**	**10**	**2.4D**		¶97iii5476
ISC	**III**	**31 10 30 04**±5.7	**43.5N**±.23	**13.0E**±.69	**12**		**4**	**0-1**
ROM	III	31 10 30 03.6	43.5N	12.9E	12	2.3D		¶97iii5877
ISC	Poorly determined							
ISC	**IV**	**01 01 52 27**±1.5	**42.4N**±.12	**12.8E**±.14	**14**		**5**	**0-1**
ROM	IV	01 01 52 27.3	42.3N	12.8E	14	2.6D		¶97iv0012
ROM	**IV**	**01 16 09 38.1**	**42.9N**	**12.9E**	**10**	**2.2D**		¶97iv0103
ISC	**IV**	**07 05 00 42.1**±.95	**42.95N**±.071	**13.8E**±.11	**5**		**8**	**1-3**
ROM	IV	07 05 00 42.7	42.9N	13.7E	5	2.8D		¶97iv1108
ROM	**IV**	**07 08 06 37.8**	**43.8N**	**11.7E**	**5**	**2.1D**		¶97iv1123
ROM	**IV**	**07 08 14 05.3**	**43.8N**	**11.6E**	**5**	**2.3D**		¶97iv1125
ISC	**IV**	**07 08 21 04.3**±.66	**43.82N**±.082	**11.75E**±.066	**27**±7.7		**27**	**0-6**
NEIC	IV	07 08 21 01.3	43.74N	11.84E	10			¶97iv1126
ROM	IV	07 08 21 03.7	43.7N	11.8E	5	2.6D		
STR	IV	07 08 21 05.8	43.70N	11.60E	2	3.3L		
LDG	IV	07 08 21 05.8	43.7N	11.6E		3.0L		
NEIC	Less reliable solution.							
ISC	**IV**	**07 08 31 09.3**±.85	**43.83N**±.083	**11.71E**±.074	**27**±10		**20**	**0-6**
NEIC	IV	07 08 31 06.9	43.72N	11.75E	10			¶97iv1129
ROM	IV	07 08 31 08.2	43.8N	11.7E	5	2.5D		
STR	IV	07 08 31 09.8	43.70N	11.60E	2	3.1L		
LDG	IV	07 08 31 09.8	43.7N	11.6E		2.9L		
NEIC	Poor solution.							
ISC	**IV**	**07 10 39 10**±1.9	**43.8N**±.22	**11.7E**±.10	**10**		**5**	**0-1**
ROM	IV	07 10 39 10.1	43.8N	11.7E	10	2.4D		¶97iv1140
ISC	**IV**	**07 20 31 56**±2.5	**42.8N**±.11	**13.4E**±.25	**12**±24		**5**	**0-1**
ROM	IV	07 20 31 54.5	42.8N	13.5E	5	2.6D		¶97iv1219
ISC	Poorly determined							
ISC	**IV**	**09 17 31 02**±1.2	**43.7N**±.10	**12.3E**±.16	**2**±37		**5**	**0-1**
ROM	IV	09 17 31 01.8	43.7N	12.3E	5	2.7D		¶97iv1561
ISC	Poorly determined							
ISC	**IV**	**10 20 19 58.1**±.88	**43.70N**±.048	**12.28E**±.057	**9**±7.4		**30**	**0-7**
LDG	IV	10 20 19 57.4	43.5N	12.5E		2.7L		¶97iv1741
ROM	IV	10 20 19 57.7	43.7N	12.3E	5	3.1D		
NEIC	IV	10 20 19 59.1	43.72N	12.16E	10			
NEIC	M_{L}3.0(VIE). Less reliable solution.							
ISC	**IV**	**11 21 54 09**±1.0	**43.66N**±.083	**12.3E**±.10	**5**		**5**	**0-1**
ROM	IV	11 21 54 08.6	43.7N	12.3E	5	2.6D		¶97iv1980
ROM	**IV**	**13 01 01 47.6**	**43.0N**	**13.1E**	**10**	**2.5D**		¶97iv2163
ISC	**IV**	**14 14 47 24**±1.2	**44.0N**±.11	**12.08E**±.099	**11**±12		**6**	**0-3**
ROM	IV	14 14 47 23.5	44.0N	12.1E	10	2.6D		¶97iv2474
ISC	**IV**	**17 05 26 38.6**±.81	**43.99N**±.060	**12.6E**±.16	**28**±11	3.0b	**12**	**0-66**
NEIC	IV	17 05 26 21.8	42.92N	12.81E	10	3.1b		¶97iv2858
ROM	IV	17 05 26 40.1	43.7N	12.4E	5	2.4D		
NEIC	Poor solution.							
ISC	**IV**	**21 03 06 57.6**±.62	**42.02N**±.052	**13.26E**±.068	**4**		**12**	**0-2**
ROM	IV	21 03 06 57.1	42.0N	13.2E	4	3.0D		¶97iv3395
ISC	**IV**	**21 03 19 06**±1.1	**42.05N**±.076	**13.3E**±.10	**6**±24		**6**	**0-1**
ROM	IV	21 03 19 06.1	42.1N	13.3E	10	2.7D		¶97iv3396
ROM	**IV**	**22 04 01 46.4**	**43.8N**	**12.1E**	**10**	**2.5D**		¶97iv3637
ROM	**IV**	**22 05 00 39.3**	**43.8N**	**12.1E**	**12**	**2.6D**		¶97iv3644
ISC	**IV**	**24 19 27 33**±1.5	**42.89N**±.084	**13.1E**±.20	**10**		**4**	**0-1**
ROM	IV	24 19 27 33.6	42.9N	13.0E	10	2.4D		¶97iv4197
ISC	Poorly determined							
ROM	**IV**	**25 10 44 04.1**	**43.4N**	**12.5E**	**10**	**2.0D**		¶97iv4330
ROM	**IV**	**25 11 21 50.1**	**43.4N**	**12.5E**	**5**	**2.4D**		¶97iv4334
ISC	**IV**	**25 14 53 32**±1.3	**43.40N**±.086	**12.5E**±.15	**5**		**4**	**0-1**
ROM	IV	25 14 53 30.6	43.4N	12.5E	5	2.6D		¶97iv4364
ISC	Poorly determined							
ROM	**IV**	**25 15 23 14.4**	**43.4N**	**12.5E**	**10**	**2.2D**		¶97iv4370
ISC	**IV**	**26 16 47 08**±2.0	**42.3N**±.12	**13.0E**±.17	**10**		**4**	**0-1**
ROM	IV	26 16 47 06.9	42.4N	13.0E	10	2.3D		¶97iv4580
ISC	Poorly determined							
ROM	**IV**	**28 04 58 01.3**	**43.0N**	**13.6E**	**10**	**2.6D**		¶97iv4851
ISC	**IV**	**28 12 03 28**±1.5	**42.86N**±.054	**12.6E**±.25	**5**		**6**	**0-1**
ROM	IV	28 12 03 26.7	42.9N	12.4E	5	2.7D		¶97iv4913
ISC	**IV**	**29 04 25 23**±2.7	**42.76N**±.086	**12.4E**±.32	**1**±24		**5**	**0-1**
ROM	IV	29 04 25 23.2	42.8N	12.5E	5	2.5D		¶97iv5020
ISC	Poorly determined							
ISC	**IV**	**29 13 57 41**±3.2	**42.75N**±.082	**12.5E**±.48	**10**		**4**	**0-1**
ROM	IV	29 13 57 40.1	42.8N	12.5E	10	2.4D		¶97iv5084
ISC	Poorly determined							

ISC	**V**	**02 23 06 54.1**±.93	**42.74N**±.061	**12.8E**±.17	**5**		**6**	**0-1**	
ROM	V	02 23 06 53.6	42.8N	12.8E	5	2.7D			¶97v0343
ISC	**V**	**03 00 28 52.3**±.72	**42.83N**±.026	**12.81E**±.032	**4**±6.0	**3.9b**	**107**	**0-80**	
NEIC	V	03 00 28 50.1	42.64N	12.96E	10				¶97v0349
ROM	V	03 00 28 51.8	42.9N	12.9E	5	3.8D			
LDG	V	03 00 28 52.5	42.8N	13.0E		3.3L			
STR	V	03 00 28 55.7	43.06N	12.83E	2	3.9L			
EIDC	V	03 00 28 55.9	42.8N	13.3E	31	3.6b,3.6L			
NEIC	ML2.7(LJU).								
ISC	**V**	**03 02 06 02.3**±.90	**42.85N**±.029	**12.78E**±.047	**1**±8.0		**54**	**0-8**	
LDG	V	03 02 05 59.7	42.7N	13.3E		3.0L			¶97v0358
ROM	V	03 02 06 01.8	42.8N	12.9E	5	3.7D			
NEIC	V	03 02 06 03.2	42.84N	12.75E	10				
STR	V	03 02 06 13.1	43.42N	12.39E	2	3.5L			
ISC	**V**	**03 02 59 29.8**±.74	**42.84N**±.051	**12.9E**±.15	**5**		**8**	**0-1**	
ROM	V	03 02 59 29.2	42.9N	12.9E	5	2.9D			¶97v0362
ISC	**V**	**03 03 20 10.5**±.79	**42.84N**±.027	**12.84E**±.043	**6**±6.6	3.4b	**72**	**0-67**	
ROM	V	03 03 20 10.1	42.8N	12.9E	5	3.7D			¶97v0365
NEIC	V	03 03 20 10.5	42.78N	12.81E	10				
EIDC	V	03 03 20 10.5	42.9N	13.2E	0	3.3b,3.6L			
LDG	V	03 03 20 13.0	42.8N	12.8E		3.1L			
STR	V	03 03 20 18.5	43.37N	12.58E	2	3.8L			
NEIC	ML2.7(LJU).								
ISC	**V**	**03 03 28 10.9**±.49	**42.83N**±.037	**12.78E**±.070	**5**		**23**	**0-5**	
ROM	V	03 03 28 10.3	42.8N	12.9E	5	3.3D			¶97v0367
ISC	**V**	**03 03 39 54.9**±.86	**42.85N**±.057	**12.9E**±.15	**5**		**7**	**0-1**	
ROM	V	03 03 39 54.2	42.9N	12.9E	5	2.8D			¶97v0368
ISC	**V**	**03 03 43 57.1**±.91	**42.85N**±.048	**12.81E**±.085	**3**±9.6		**17**	**0-5**	
ROM	V	03 03 43 57.0	42.9N	12.9E	5	3.0D			¶97v0370
ISC	**V**	**03 04 01 53.0**±.95	**42.83N**±.032	**12.79E**±.047	**10**±8.1		**44**	**0-8**	
LDG	V	03 04 01 47.8	42.6N	13.5E		3.0L			¶97v0372
NEIC	V	03 04 01 51.8	42.75N	12.84E	10				
ROM	V	03 04 01 52.2	42.8N	12.9E	5	3.8D			
NEIC	Less reliable solution.								
ISC	**V**	**03 04 22 37.6**±.74	**42.84N**±.051	**12.9E**±.14	**5**		**9**	**0-3**	
ROM	V	03 04 22 37.0	42.8N	12.9E	5	3.2D			¶97v0375
ROM	**V**	**03 04 35 25.3**	**42.8N**	**12.9E**	**5**	**2.7D**			¶97v0377
ISC	**V**	**04 19 07 02**±1.5	**42.83N**±.079	**13.3E**±.18	**5**		**5**	**0-1**	
ROM	V	04 19 07 02.5	42.8N	13.3E	5	2.7D			¶97v0680
ISC	**V**	**05 12 03 14**±1.0	**42.78N**±.033	**12.53E**±.051	**7**±8.7	3.2b	**51**	**0-67**	
NEIC	V	05 12 03 07.8	42.31N	12.75E	10				¶97v0780
LDG	V	05 12 03 11.6	42.5N	12.7E		3.3L			
ROM	V	05 12 03 14.0	42.8N	12.6E	5	3.6D			
EIDC	V	05 12 03 17.6	43.1N	13.1E	0	3.6L,3.1b			
NEIC	ML3.3(VIE). Less reliable solution.								
ISC	**V**	**06 01 11 27**±1.1	**42.77N**±.062	**12.7E**±.18	**5**		**6**	**0-1**	
ROM	V	06 01 11 27.2	42.8N	12.7E	5	2.7D			¶97v0874
ISC	**V**	**06 07 46 15**±1.0	**42.76N**±.061	**12.7E**±.18	**5**		**6**	**0-1**	
ROM	V	06 07 46 14.6	42.8N	12.6E	5	2.6D			¶97v0930
ISC	**V**	**06 14 53 18**±1.1	**42.74N**±.040	**12.44E**±.058	**8**±10		**37**	**0-12**	
NEIC	V	06 14 53 13.2	42.30N	12.71E	10				¶97v0976
ROM	V	06 14 53 19.0	42.8N	12.6E	5	3.5D			
LDG	V	06 14 53 22.8	42.8N	12.2E		3.2L			
NEIC	ML3.0(VIE), Poor solution.								
ROM	**V**	**06 19 46 35.7**	**42.8N**	**12.8E**	**10**	**2.3D**			¶97v1004
ISC	**V**	**06 23 38 23**±1.0	**42.97N**±.070	**12.8E**±.18	**8**		**5**	**0-1**	
ROM	V	06 23 38 22.6	43.0N	12.9E	8	2.7D			¶97v1030
ISC	**V**	**07 04 58 26.2**±.42	**42.74N**±.037	**12.36E**±.050	**5**		**39**	**0-8**	
LDG	V	07 04 58 24.5	42.6N	12.8E		3.2L			¶97v1055
NEIC	V	07 04 58 25.7	42.73N	12.38E	5				
ROM	V	07 04 58 26.8	42.8N	12.6E	5	3.4D			
NEIC	ML2.9(VIE).								
ISC	**V**	**07 22 29 29.1**±.81	**42.96N**±.060	**12.8E**±.16	**5**		**7**	**0-1**	
ROM	V	07 22 29 28.4	43.0N	12.8E	5	2.7D			¶97v1151
ISC	**V**	**08 00 45 29**±1.0	**42.96N**±.070	**12.9E**±.16	**5**		**5**	**0-1**	
ROM	V	08 00 45 29.0	43.0N	12.9E	5	2.6D			¶97v1160
ROM	**V**	**08 01 58 45.6**	**42.3N**	**13.0E**	**10**	**2.4D**			¶97v1168
ROM	**V**	**08 04 55 30.8**	**42.9N**	**13.0E**	**5**	**2.3D**			¶97v1181
ISC	**V**	**08 19 38 27**±3.3	**42.76N**±.088	**12.5E**±.42	**5**		**4**	**0-1**	
ROM	V	08 19 38 27.4	42.8N	12.5E	5	2.2D			¶97v1301
ISC	Poorly determined								
ISC	**V**	**09 13 38 16.9**±.94	**43.9N**±.10	**12.06E**±.076	**11**±9.2		**9**	**0-3**	
ROM	V	09 13 38 15.1	44.1N	12.1E	5	2.9D			¶97v1428
ROM	**V**	**09 14 15 55.2**	**43.6N**	**11.8E**	**10**	**2.3D**			¶97v1434
ISC	**V**	**10 02 01 35.1**±.43	**42.76N**±.041	**12.42E**±.054	**8**		**28**	**0-7**	
LDG	V	10 02 01 30.5	42.6N	13.1E		3.0L			¶97v1512
ROM	V	10 02 01 37.0	42.8N	12.6E	8	3.2D			
ROM	**V**	**10 07 24 49.2**	**43.1N**	**13.3E**	**10**	**2.0D**			¶97v1543
ISC	**V**	**11 04 27 35**±9.9	**42.8N**±.15	**12.0E**±.87	**5**		**4**	**1-2**	
ROM	V	11 04 27 39.0	42.7N	12.5E	5	2.4D			¶97v1723
ISC	Poorly determined								
ISC	**V**	**11 05 28 42**±2.1	**42.74N**±.075	**12.6E**±.32	**4**±21		**5**	**0-1**	
ROM	V	11 05 28 41.4	42.8N	12.6E	5	2.5D			¶97v1732
ISC	Poorly determined								
ISC	**V**	**11 07 21 26.4**±.42	**42.70N**±.040	**12.38E**±.050	**5**		**32**	**0-7**	
NEIC	V	11 07 21 25.1	42.57N	12.43E	5				¶97v1745
ROM	V	11 07 21 27.2	42.8N	12.5E	5	3.3D			
LDG	V	11 07 21 28.3	42.7N	12.4E		2.7L			
NEIC	Less reliable solution.								
ISC	**V**	**11 15 07 26**±1.2	**42.73N**±.067	**12.6E**±.20	**5**		**5**	**0-1**	
ROM	V	11 15 07 25.4	42.7N	12.6E	5	2.8D			¶97v1801
ISC	**V**	**12 02 48 30**±1.4	**42.55N**±.098	**13.3E**±.17	**5**		**4**	**0-1**	
ROM	V	12 02 48 29.9	42.5N	13.3E	5	2.5D			¶97v1875
ISC	Poorly determined								
ROM	**V**	**12 12 06 00.4**	**42.7N**	**12.3E**	**5**	**2.7D**			¶97v1954
ISC	**V**	**12 13 50 14.4**±.68	**42.77N**±.016	**12.50E**±.016	**2**±5.0	**4.5b,4.5s**	**316**	**0-128**	
BJI	V	12 13 50 13.8	42.75N	12.64E	4	4.9b			¶97v1970
ROM	V	12 13 50 14.6	42.8N	12.7E	5	4.6D			
NEIC	V	12 13 50 14.8	42.77N	12.48E	5	4.4b			
MOS	V	12 13 50 15.0	42.8N	12.5E	10	5.0b,4.4s			
EIDC	V	12 13 50 15.6	42.7N	12.6E	0	4.4b,4.3L			
LDG	V	12 13 50 18.8	42.7N	12.4E		4.3L			
STR	V	12 13 50 21.4	42.98N	12.15E	11	4.9L			
PDG	V	12 13 50 48.6	42.4N	13.0E	66	4.7L,4.7D			
NEIC	ML4.4(VIE)								
NEIC	ML 4.1 (ROM), 4.0 (LJU). Some damage to buildings at Massa Martana. Felt throughout the Umbria region and in the northern part of the Lazio region.								
ISC	**V**	**12 13 55 52**±1.4	**42.72N**±.054	**12.37E**±.076	**4**±13		**17**	**0-6**	
ROM	V	12 13 55 53.4	42.7N	12.5E	5	3.0D			¶97v1971
ROM	**V**	**12 13 57 56.4**	**42.8N**	**12.6E**	**10**	**2.2D**			¶97v1972
ISC	**V**	**12 14 08 00**±1.3	**42.78N**±.065	**12.6E**±.26	**5**		**5**	**0-1**	
ROM	V	12 14 08 00.5	42.8N	12.7E	5	2.9D			¶97v1976
ROM	**V**	**12 14 20 29.1**	**42.8N**	**12.7E**	**5**	**2.4D**			¶97v1978
ROM	**V**	**12 14 23 33.5**	**42.8N**	**12.6E**	**5**	**2.5D**			¶97v1980
ISC	**V**	**12 14 31 06**±7.2	**42.76N**±.098	**12.3E**±.80	**10**		**4**	**0-1**	
ROM	V	12 14 31 06.2	42.8N	12.4E	10	2.6D			¶97v1981
ISC	Poorly determined								
ISC	**V**	**12 15 08 37**±1.8	**42.80N**±.069	**12.7E**±.47	**6**		**4**	**0-1**	
ROM	V	12 15 08 36.4	42.8N	12.5E	6	2.8D			¶97v1992
ISC	Poorly determined								
ISC	**V**	**12 15 23 50**±1.2	**42.74N**±.063	**12.6E**±.19	**5**		**6**	**0-1**	
ROM	V	12 15 23 49.5	42.8N	12.6E	5	2.6D			¶97v1995
ISC	**V**	**12 15 59 19.3**±.72	**42.76N**±.048	**12.7E**±.11	**5**		**10**	**0-3**	
ROM	V	12 15 59 18.9	42.8N	12.7E	5	3.2D			¶97v1999
ROM	**V**	**12 16 06 30.4**	**42.8N**	**12.6E**	**5**	**2.3D**			¶97v2001
ISC	**V**	**12 16 22 24**±1.0	**42.75N**±.061	**12.7E**±.18	**5**		**6**	**0-1**	
ROM	V	12 16 22 24.1	42.8N	12.8E	5	2.5D			¶97v2006
ISC	**V**	**12 16 25 32.2**±.53	**42.54N**±.055	**12.63E**±.072	**5**		**28**	**0-7**	
ROM	V	12 16 25 29.4	42.7N	12.5E	5	3.1D			¶97v2007
ISC	**V**	**12 17 10 59**±1.1	**42.79N**±.061	**12.7E**±.19	**5**		**6**	**0-1**	
ROM	V	12 17 10 58.6	42.8N	12.6E	5	2.4D			¶97v2013
ISC	**V**	**12 17 46 07**±2.7	**42.75N**±.072	**12.5E**±.37	**5**		**5**	**0-1**	
ROM	V	12 17 46 06.5	42.8N	12.4E	5	2.5D			¶97v2017
ISC	**V**	**12 18 33 51.4**±.56	**42.77N**±.051	**12.53E**±.066	**4**		**15**	**0-5**	
ROM	V	12 18 33 51.2	42.8N	12.6E	4	3.1D			¶97v2022
ISC	**V**	**12 18 44 21**±1.2	**42.70N**±.051	**12.52E**±.083	**7**±11		**18**	**0-5**	
ROM	V	12 18 44 21.1	42.7N	12.6E	5	3.2D			¶97v2024
ISC	**V**	**12 18 54 11.0**±.90	**42.42N**±.054	**12.99E**±.068	**1**±9.5		**19**	**0-6**	
ROM	V	12 18 54 11.1	42.4N	13.0E	5	3.2D			¶97v2026
ISC	**V**	**12 19 38 38.3**±.94	**42.80N**±.051	**12.6E**±.17	**5**		**7**	**0-1**	
ROM	V	12 19 38 38.1	42.8N	12.6E	5	3.2D			¶97v2033
ISC	**V**	**12 19 48 40**±1.2	**42.79N**±.067	**12.7E**±.20	**6**±15		**6**	**0-1**	
ROM	V	12 19 48 40.1	42.8N	12.7E	10	2.9D			¶97v2034
ISC	**V**	**12 20 21 50**±1.1	**42.79N**±.066	**12.6E**±.21	**8**		**6**	**0-1**	
ROM	V	12 20 21 50.1	42.8N	12.6E	8	2.8D			¶97v2036
ISC	**V**	**12 21 32 30.1**±.53	**42.81N**±.039	**12.50E**±.078	**5**		**25**	**0-4**	
ROM	V	12 21 32 29.1	42.8N	12.6E	5	3.5D			¶97v2046
ISC	**V**	**12 21 35 22**±2.1	**42.72N**±.076	**12.6E**±.31	**2**±31		**5**	**0-1**	
ROM	V	12 21 35 21.4	42.7N	12.6E	5	2.8D			¶97v2047
ISC	Poorly determined								
ISC	**V**	**12 23 23 02**±2.6	**42.80N**±.069	**12.6E**±.42	**10**		**5**	**0-1**	
ROM	V	12 23 23 02.8	42.8N	12.6E	10	2.4D			¶97v2074
ISC	**V**	**12 23 48 10**±1.4	**42.78N**±.059	**12.6E**±.20	**3**±17		**7**	**0-1**	
ROM	V	12 23 48 09.9	42.8N	12.6E	5	3.3D			¶97v2078
ISC	**V**	**12 23 54 47**±1.1	**43.54N**±.054	**13.0E**±.12	**9**±9.2		**11**	**0-3**	
ROM	V	12 23 54 46.5	43.5N	13.0E	5	3.1D			¶97v2079
ISC	**V**	**13 00 55 38.6**±.77	**42.79N**±.051	**12.6E**±.14	**5**		**8**	**0-2**	
ROM	V	13 00 55 38.3	42.8N	12.6E	5	3.2D			¶97v2091
ISC	**V**	**13 00 59 59**±2.0	**42.73N**±.070	**12.6E**±.30	**5**		**5**	**0-1**	
ROM	V	13 00 59 58.8	42.7N	12.6E	5	2.5D			¶97v2093
ISC	**V**	**13 01 44 13**±1.5	**42.79N**±.067	**12.6E**±.22	**3**±18		**6**	**0-1**	
ROM	V	13 01 44 13.0	42.8N	12.6E	5	3.0D			¶97v2105
ISC	**V**	**13 02 09 55**±1.7	**42.73N**±.071	**12.6E**±.23	**3**±22		**6**	**0-1**	
ROM	V	13 02 09 54.2	42.7N	12.6E	5	2.7D			¶97v2107
ISC	**V**	**13 02 41 00.0**±.95	**42.76N**±.061	**12.7E**±.17	**5**		**6**	**0-1**	
ROM	V	13 02 40 59.6	42.7N	12.7E	5	2.7D			¶97v2113
ISC	**V**	**13 02 45 42.7**±.40	**42.74N**±.038	**12.49E**±.048	**5**		**34**	**0-8**	
NEIC	V	13 02 45 39.2	42.47N	12.62E	5				¶97v2115
ROM	V	13 02 45 43.5	42.8N	12.6E	5	3.6D			
STR	V	13 02 45 46.2	42.60N	12.30E	5	3.2L			
LDG	V	13 02 45 46.2	42.6N	12.3E		2.6L			
NEIC	Poor solution.								
ISC	**V**	**13 03 35 03**±1.2	**42.74N**±.062	**12.6E**±.18	**5**		**7**	**0-2**	
ROM	V	13 03 35 02.4	42.7N	12.6E	5	3.0D			¶97v2118
ISC	**V**	**13 04 24 52**±1.2	**42.78N**±.074	**12.8E**±.20	**7**±28		**5**	**0-1**	
ROM	V	13 04 24 52.1	42.8N	12.8E	5	3.1D			¶97v2125
ISC	Poorly determined								
ISC	**V**	**13 05 14 10**±1.8	**42.78N**±.076	**12.6E**±.34	**10**		**4**	**0-1**	
ROM	V	13 05 14 10.1	42.8N	12.7E	10	2.5D			¶97v2132
ISC	Poorly determined								
ISC	**V**	**13 11 18 50**±1.1	**42.77N**±.065	**12.7E**±.19	**5**		**5**	**0-1**	
ROM	V	13 11 18 49.5	42.8N	12.7E	5	2.7D			¶97v2235
ROM	**V**	**13 17 17 21.3**	**42.7N**	**12.4E**	**5**	**2.4D**			¶97v2277
ROM	**V**	**13 18 29 15.2**	**42.9N**	**12.7E**	**10**	**2.3D**			¶97v2293
ISC	**V**	**13 18 46 39.4**±.91	**42.37N**±.058	**12.92E**±.066	**7**±9.1		**27**	**0-7**	
NEIC	V	13 18 46 34.8	41.93N	13.12E	10				¶97v2296
ROM	V	13 18 46 38.8	42.4N	13.0E	5	3.5D			
NEIC	ML3.0(VIE), Poor solution.								
ISC	**V**	**13 18 51 54**±2.3	**42.79N**±.072	**12.6E**±.34	**5**		**4**	**0-1**	
ROM	V	13 18 51 53.0	42.8N	12.5E	5	2.7D			¶97v2297
ISC	Poorly determined								
ISC	**V**	**13 18 54 00**±1.4	**42.4N**±.11	**13.0E**±.12	**5**		**4**	**0-1**	
ROM	V	13 18 53 59.3	42.5N	13.0E	5	2.7D			¶97v2298
ISC	Poorly determined								
ISC	**V**	**13 19 10 01**±2.1	**42.78N**±.072	**12.6E**±.31	**5**		**4**	**0-1**	
ROM	V	13 19 10 00.3	42.8N	12.5E	5	2.5D			¶97v2301
ISC	Poorly determined								
ISC	**V**	**14 00 29 57**±2.2	**42.71N**±.080	**12.6E**±.32	**5**		**4**	**0-1**	
ROM	V	14 00 29 56.3	42.7N	12.6E	5	2.3D			¶97v2359
ISC	Poorly determined								
ISC	**V**	**14 01 48 49**±1.9	**42.72N**±.079	**12.6E**±.31	**6**±17		**5**	**0-1**	
ROM	V	14 01 48 47.8	42.7N	12.5E	5	2.4D			¶97v2364
ISC	Poorly determined								
ISC	**V**	**14 02 33 31**±4.0	**42.75N**±.087	**12.5E**±.55	**10**		**4**	**0-1**	
ROM	V	14 02 33 31.5	42.8N	12.5E	10	2.4D			¶97v2370
ISC	Poorly determined								
ISC	**V**	**14 07 16 14**±1.1	**42.81N**±.061	**12.7E**±.19	**5**		**6**	**0-1**	
ROM	V	14 07 16 14.9	42.9N	12.7E	5	2.8D			¶97v2405
ISC	**V**	**14 07 38 50**±1.2	**42.78N**±.076	**12.8E**±.24	**10**		**4**	**0-1**	
ROM	V	14 07 38 50.1	42.8N	12.7E	10	2.8D			¶97v2406
ISC	Poorly determined								
ISC	**V**	**14 08 58 14.2**±.91	**42.76N**±.049	**12.6E**±.14	**5**		**9**	**0-3**	
ROM	V	14 08 58 13.8	42.8N	12.6E	5	3.4D			¶97v2416
ISC	**V**	**14 10 58 30.1**±.35	**42.74N**±.032	**12.46E**±.040	**5**		**53**	**0-8**	
LDG	V	14 10 58 19.5	42.2N	13.6E		3.2L			¶97v2434
NEIC	V	14 10 58 30.2	42.75N	12.43E	5				
ROM	V	14 10 58 30.5	42.8N	12.6E	5	3.8D			
NEIC	ML2.9(VIE).								
ISC	**V**	**14 11 02 16**±3.2	**42.76N**±.082	**12.5E**±.41	**5**		**4**	**0-1**	
ROM	V	14 11 02 15.4	42.8N	12.5E	5	2.7D			¶97v2435
ISC	Poorly determined								

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**14 11 22 03.3**±.72	**42.81N**±.043	**12.6E**±.10	**5**		**12**	**0-4**
ROM	V	14 11 22 03.4	42.9N	12.7E	5	3.5D		¶97v2440
ISC	**V**	**14 11 39 58.8**±.95	**42.76N**±.060	**12.7E**±.17	**5**		**7**	**0-3**
ROM	V	14 11 39 58.5	42.8N	12.7E	5	2.5D		¶97v2441
ISC	**V**	**14 11 40 14.9**±.61	**42.83N**±.045	**12.64E**±.098	**5**		**13**	**0-3**
ROM	V	14 11 40 14.3	42.8N	12.7E	5	3.7D		¶97v2442
ROM	**V**	**14 11 51 07.1**	**42.8N**	**12.3E**	**10**	**2.6D**		¶97v2443
ISC	**V**	**14 16 17 18**±1.0	**42.79N**±.039	**12.45E**±.060	**1**±10		**34**	**0-7**
ROM	V	14 16 17 19.0	42.8N	12.6E	5	3.6D		¶97v2479
ISC	**V**	**14 22 48 18**±1.5	**42.76N**±.064	**12.7E**±.25	**5**		**5**	**0-1**
ROM	V	14 22 48 16.6	42.7N	12.5E	5	3.1D		¶97v2515
ISC	**V**	**15 00 53 52**±2.1	**42.74N**±.075	**12.6E**±.32	**5**±21		**5**	**0-1**
ROM	V	15 00 53 50.7	42.8N	12.5E	5	2.7D		¶97v2533
ISC		Poorly determined						
ISC	**V**	**15 02 17 15**±1.3	**42.97N**±.076	**12.9E**±.18	**5**		**4**	**0-1**
ROM	V	15 02 17 14.6	43.0N	12.9E	5	2.6D		¶97v2544
ISC		Poorly determined						
ISC	**V**	**15 02 47 44**±1.3	**42.96N**±.076	**12.9E**±.18	**5**		**4**	**0-1**
ROM	V	15 02 47 43.6	43.0N	12.9E	5	2.6D		¶97v2549
ISC		Poorly determined						
ISC	**V**	**15 03 06 39.9**±.83	**42.94N**±.060	**12.9E**±.15	**5**		**7**	**0-1**
ROM	V	15 03 06 39.3	43.0N	12.9E	5	3.0D		¶97v2551
ISC	**V**	**15 03 31 07**±1.3	**42.95N**±.078	**12.9E**±.19	**10**		**4**	**0-1**
ROM	V	15 03 31 07.0	42.9N	12.9E	10	2.6D		¶97v2555
ISC		Poorly determined						
ISC	**V**	**15 04 42 24.5**±.92	**42.81N**±.058	**12.7E**±.17	**5**		**8**	**0-2**
ROM	V	15 04 42 23.8	42.8N	12.6E	5	3.3D		¶97v2566
ISC	**V**	**15 04 49 36**±1.6	**42.79N**±.069	**12.6E**±.23	**6**±17		**6**	**0-1**
ROM	V	15 04 49 35.5	42.8N	12.6E	5	2.7D		¶97v2567
ISC	**V**	**15 05 41 39**±1.4	**42.80N**±.063	**12.5E**±.21	**5**		**6**	**0-1**
ROM	V	15 05 41 38.8	42.8N	12.5E	5	3.0D		¶97v2569
ROM	**V**	**15 06 36 25.2**	**42.8N**	**12.9E**	**10**	**2.6D**		¶97v2572
ISC	**V**	**15 08 09 27.5**±.98	**42.76N**±.058	**12.6E**±.17	**5**		**8**	**0-2**
ROM	V	15 08 09 27.2	42.8N	12.6E	5	3.4D		¶97v2579
ISC	**V**	**15 08 33 15**±1.4	**42.76N**±.082	**13.1E**±.20	**5**±21		**5**	**0-1**
ROM	V	15 08 33 14.4	42.8N	13.1E	5	2.5D		¶97v2583
ISC		Poorly determined						
ISC	**V**	**15 11 40 51.7**±.65	**42.87N**±.028	**13.39E**±.029	**27**±7.4	**3.3b**	**110**	**1-74**
NEIC	V	15 11 40 49.3	42.89N	13.42E	5			¶97v2605
EIDC	V	15 11 40 50.1	43.0N	13.8E	0	3.4b,4.0L		
ROM	V	15 11 40 50.7	42.8N	13.4E	5	3.9D		
LDG	V	15 11 40 54.8	43.0N	13.2E		3.5L		
PDG	V	15 11 40 56.5	42.5N	13.8E	51	4.1L		
STR	V	15 11 41 02.7	43.42N	12.78E	10	4.0L		
NEIC		M_L3.8(VIE)						
ISC	**V**	**15 12 03 32**±1.5	**42.82N**±.079	**13.3E**±.18	**5**		**5**	**0-1**
ROM	V	15 12 03 29.4	42.8N	13.5E	5	2.8D		¶97v2610
ISC	**V**	**15 12 09 00**±1.8	**42.82N**±.077	**13.4E**±.19	**4**±17		**8**	**0-3**
ROM	V	15 12 09 00.0	42.8N	13.4E	5	2.9D		¶97v2612
ISC	**V**	**15 13 27 37**±1.2	**42.5N**±.12	**13.0E**±.14	**11**±19		**5**	**0-1**
ROM	V	15 13 27 36.8	42.5N	13.0E	10	2.5D		¶97v2625
ISC		Poorly determined						
ISC	**V**	**15 17 10 55**±2.1	**42.75N**±.078	**12.6E**±.36	**10**		**4**	**0-1**
ROM	V	15 17 10 55.2	42.8N	12.6E	10	2.4D		¶97v2652
ISC		Poorly determined						
ISC	**V**	**15 20 28 36**±1.4	**42.79N**±.075	**12.7E**±.27	**10**		**4**	**0-1**
ROM	V	15 20 28 36.0	42.8N	12.7E	10	2.2D		¶97v2671
ISC		Poorly determined						
ISC	**V**	**15 20 54 52**±2.1	**42.75N**±.070	**12.6E**±.31	**5**		**5**	**0-1**
ROM	V	15 20 54 51.9	42.8N	12.6E	5	2.4D		¶97v2676
ISC	**V**	**15 21 11 12**±1.7	**42.78N**±.075	**12.6E**±.31	**7**±37		**5**	**0-1**
ROM	V	15 21 11 10.9	42.8N	12.5E	5	2.9D		¶97v2679
ISC		Poorly determined						
ISC	**V**	**15 21 39 37**±4.0	**42.78N**±.072	**12.5E**±.55	**5**		**5**	**0-1**
ROM	V	15 21 39 37.0	42.8N	12.6E	5	2.6D		¶97v2682
ROM	**V**	**15 21 45 08.3**	**42.8N**	**12.7E**	**5**	**2.4D**		¶97v2684
ISC	**V**	**15 23 41 10**±1.2	**42.75N**±.062	**12.6E**±.19	**5**		**6**	**0-1**
ROM	V	15 23 41 09.3	42.8N	12.6E	5	2.8D		¶97v2695
ISC	**V**	**16 00 16 37**±2.2	**42.71N**±.086	**12.6E**±.56	**12**±25		**5**	**0-1**
ROM	V	16 00 16 36.7	42.7N	12.6E	7	2.4D		¶97v2701
ISC		Poorly determined						
ISC	**V**	**16 02 17 41**±1.4	**42.80N**±.088	**13.2E**±.21	**10**		**4**	**0-1**
ROM	V	16 02 17 40.2	42.8N	13.2E	10	2.5D		¶97v2711
ISC		Poorly determined						
ROM	**V**	**16 03 48 05.9**	**42.8N**	**12.6E**	**5**	**2.6D**		¶97v2723
ROM	**V**	**16 17 04 42.8**	**42.7N**	**12.7E**	**5**	**2.4D**		¶97v2812
ROM	**V**	**16 18 23 43.7**	**42.8N**	**12.6E**	**5**	**2.5D**		¶97v2818
ISC	**V**	**16 23 00 00**±1.4	**42.77N**±.089	**12.7E**±.23	**5**		**4**	**0-1**
ROM	V	16 22 59 59.7	42.8N	12.7E	5	2.6D		¶97v2840
ISC		Poorly determined						
ISC	**V**	**17 03 02 43**±1.1	**42.75N**±.053	**12.6E**±.15	**6**±13		**9**	**0-2**
ROM	V	17 03 02 42.2	42.7N	12.6E	6	2.9D		¶97v2873
ROM	**V**	**17 15 26 14.6**	**42.7N**	**12.7E**	**10**	**2.5D**		¶97v2951
ISC	**V**	**17 17 27 05**±2.4	**42.72N**±.081	**12.6E**±.39	**10**		**4**	**0-1**
ROM	V	17 17 27 04.9	42.7N	12.6E	10	2.3D		¶97v2963
ISC		Poorly determined						
ROM	**V**	**17 20 44 30.1**	**44.0N**	**12.0E**	**18**	**2.2D**		¶97v2984
ISC	**V**	**18 00 09 30**±1.7	**42.76N**±.064	**12.6E**±.26	**5**		**5**	**0-1**
ROM	V	18 00 09 30.3	42.8N	12.7E	5	2.5D		¶97v3002
ROM	**V**	**18 14 41 55.4**	**42.8N**	**12.7E**	**5**	**2.5D**		¶97v3102
ISC	**V**	**18 16 05 28**±1.3	**42.73N**±.065	**12.5E**±.14	**11**±11		**9**	**0-3**
ROM	V	18 16 05 28.4	42.8N	12.7E	11	3.0D		¶97v3116
ROM	**V**	**18 19 06 00.6**	**42.8N**	**12.6E**	**5**	**2.3D**		¶97v3135
ISC	**V**	**19 00 13 18**±2.9	**42.74N**±.084	**12.6E**±.60	**10**±23		**5**	**0-1**
ROM	V	19 00 13 17.0	42.7N	12.5E	5	2.3D		¶97v3167
ISC		Poorly determined						
ISC	**V**	**19 05 03 47**±2.1	**42.83N**±.069	**12.5E**±.24	**0**±21		**6**	**0-1**
ROM	V	19 05 03 47.2	42.8N	12.6E	8	2.8D		¶97v3202
ISC	**V**	**19 06 09 01**±1.1	**42.47N**±.079	**13.0E**±.11	**4**±15		**7**	**0-2**
ROM	V	19 06 09 00.6	42.4N	13.0E	4	2.9D		¶97v3208
ISC	**V**	**19 19 05 07**±1.2	**42.76N**±.056	**12.6E**±.13	**2**±12		**10**	**0-3**
ROM	V	19 19 05 06.5	42.8N	12.6E	3	3.2D		¶97v3294
ISC	**V**	**20 12 12 39**±1.1	**42.75N**±.062	**12.7E**±.18	**5**		**6**	**0-1**
ROM	V	20 12 12 38.5	42.8N	12.6E	5	2.6D		¶97v3396
ROM	**V**	**20 16 39 55.6**	**42.8N**	**12.6E**	**10**	**2.4D**		¶97v3436
ROM	**V**	**20 19 46 42.3**	**43.2N**	**12.6E**	**10**	**2.3D**		¶97v3451
ISC	**V**	**20 21 35 25**±1.3	**42.75N**±.071	**12.6E**±.21	**7**±15		**6**	**0-1**
ROM	V	20 21 35 24.9	42.7N	12.6E	11	2.7D		¶97v3462
ISC	**V**	**21 01 40 36**±1.5	**42.79N**±.052	**12.6E**±.16	**0**±17		**10**	**0-2**
ROM	V	21 01 40 35.7	42.8N	12.6E	5	2.9D		¶97v3493
ISC	**V**	**22 08 27 31**±2.3	**42.75N**±.070	**12.6E**±.54	**5**		**4**	**0-1**
ROM	V	22 08 27 30.1	42.8N	12.5E	5	2.6D		¶97v3742
ISC		Poorly determined						
ISC	**V**	**22 18 51 09**±1.0	**42.46N**±.086	**13.2E**±.12	**5**		**5**	**0-1**
ROM	V	22 18 51 08.7	42.4N	13.1E	5	2.4D		¶97v3815
ISC	**V**	**23 13 09 08.8**±.71	**43.01N**±.068	**10.72E**±.060	**10**		**21**	**1-4**
ROM	V	23 13 09 09.7	43.2N	10.9E	5	2.9D		¶97v3955
NEIC	V	23 13 09 10.1	43.04N	10.60E	10			
LDG	V	23 13 09 14.6	43.0N	10.3E		2.8L		
NEIC		Less reliable solution.						
ROM	**V**	**24 14 02 28.9**	**43.1N**	**12.8E**	**5**	**2.1D**		¶97v4120
ISC	**V**	**24 15 51 19**±1.0	**42.44N**±.092	**13.1E**±.12	**10**		**5**	**0-1**
ROM	V	24 15 51 18.9	42.4N	13.1E	10	2.3D		¶97v4133
ROM	**V**	**25 00 21 16.5**	**42.7N**	**12.5E**	**10**	**2.2D**		¶97v4190
ISC	**V**	**25 13 52 51**±1.8	**42.78N**±.064	**12.6E**±.28	**6**		**5**	**0-1**
ROM	V	25 13 52 50.5	42.8N	12.5E	6	2.6D		¶97v4282
ROM	**V**	**25 22 31 41.3**	**43.4N**	**12.6E**	**10**	**2.2D**		¶97v4325
ROM	**V**	**26 19 04 32.5**	**42.8N**	**12.7E**	**10**	**2.3D**		¶97v4450
ROM	**V**	**26 19 21 38.5**	**43.6N**	**11.0E**	**5**	**2.0D**		¶97v4455
ROM	**V**	**26 22 56 08.7**	**43.8N**	**10.6E**	**14**	**2.2D**		¶97v4476
ROM	**V**	**27 06 36 19.3**	**42.8N**	**12.5E**	**10**	**2.4D**		¶97v4523
ROM	**V**	**27 09 53 40.8**	**44.0N**	**11.8E**	**9**	**2.3D**		¶97v4551
ISC	**V**	**27 17 41 26**±1.0	**42.46N**±.088	**13.2E**±.13	**6**		**5**	**0-1**
ROM	V	27 17 41 25.1	42.5N	13.2E	6	2.4D		¶97v4598
ISC	**V**	**30 06 28 50**±1.1	**42.71N**±.067	**12.9E**±.16	**5**		**5**	**0-1**
ROM	V	30 06 28 49.3	42.7N	12.9E	5	2.5D		¶97v4988
ROM	**V**	**31 14 29 29.8**	**43.1N**	**12.8E**	**5**	**2.3D**		¶97v5202
ISC	**VI**	**01 06 45 10**±1.5	**42.76N**±.070	**12.5E**±.20	**5**		**5**	**0-1**
ROM	VI	01 06 45 10.3	42.8N	12.6E	5	2.7D		¶97vi0036
ISC	**VI**	**02 03 57 40**±1.0	**42.79N**±.061	**12.7E**±.18	**5**		**6**	**0-1**
ROM	VI	02 03 57 39.4	42.8N	12.7E	5	2.9D		¶97vi0174
ISC	**VI**	**02 04 09 56**±1.2	**42.78N**±.065	**12.7E**±.20	**5**		**5**	**0-1**
ROM	VI	02 04 09 55.8	42.8N	12.7E	5	2.8D		¶97vi0175
ROM	**VI**	**02 10 24 23.3**	**43.2N**	**12.7E**	**10**	**2.2D**		¶97vi0223
ROM	**VI**	**03 01 30 05.3**	**43.0N**	**12.9E**	**10**	**2.3D**		¶97vi0367
ROM	**VI**	**03 10 40 31.4**	**42.8N**	**12.7E**	**5**	**2.4D**		¶97vi0430
ISC	**VI**	**03 11 50 10**±1.1	**42.80N**±.065	**12.7E**±.19	**5**		**5**	**0-1**
ROM	VI	03 11 50 09.8	42.8N	12.7E	5	2.7D		¶97vi0447
ISC	**VI**	**03 13 17 59.4**±.97	**42.79N**±.049	**12.6E**±.15	**5**		**9**	**0-3**
ROM	VI	03 13 17 58.9	42.8N	12.5E	5	3.3D		¶97vi0465
ISC	**VI**	**03 21 43 37**±1.3	**42.79N**±.057	**12.6E**±.18	**2**±16		**8**	**0-2**
ROM	VI	03 21 43 36.6	42.8N	12.6E	5	3.0D		¶97vi0519
ISC	**VI**	**04 21 22 41**±1.2	**42.76N**±.073	**12.9E**±.19	**5**		**4**	**0-1**
ROM	VI	04 21 22 40.6	42.7N	12.9E	5	2.4D		¶97vi0676
ISC		Poorly determined						
ROM	**VI**	**04 21 24 15.1**	**42.8N**	**12.5E**	**5**	**2.3D**		¶97vi0677
ISC	**VI**	**05 02 22 45**±1.1	**42.48N**±.064	**12.9E**±.15	**5**		**7**	**0-2**
ROM	VI	05 02 22 43.4	42.4N	12.7E	5	2.7D		¶97vi0697
ISC	**VI**	**05 11 43 16**±1.3	**43.38N**±.085	**12.6E**±.16	**10**		**4**	**0-1**
ROM	VI	05 11 43 15.2	43.4N	12.6E	10	2.2D		¶97vi0759
ISC		Poorly determined						
ISC	**VI**	**06 05 40 53**±1.7	**42.72N**±.077	**12.8E**±.45	**5**		**4**	**0-1**
ROM	VI	06 05 40 52.2	42.7N	12.8E	5	2.6D		¶97vi0889
ISC		Poorly determined						
ISC	**VI**	**06 12 07 14**±1.0	**42.49N**±.077	**13.0E**±.11	**5**		**5**	**0-1**
ROM	VI	06 12 07 13.2	42.5N	13.0E	5	2.6D		¶97vi0935
ISC	**VI**	**06 18 36 26**±1.0	**42.45N**±.082	**13.0E**±.11	**5**		**5**	**0-1**
ROM	VI	06 18 36 25.0	42.4N	13.0E	5	2.6D		¶97vi0973
ISC	**VI**	**06 19 48 53**±1.5	**43.15N**±.091	**13.3E**±.20	**23**		**8**	**0-2**
ROM	VI	06 19 48 54.4	43.1N	13.2E	23	3.0D		¶97vi0983
ISC	**VI**	**06 22 57 09**±1.3	**43.41N**±.089	**12.6E**±.16	**10**		**4**	**0-1**
ROM	VI	06 22 57 09.1	43.4N	12.5E	10	2.4D		¶97vi1011
ISC		Poorly determined						
ROM	**VI**	**07 03 25 32.7**	**42.8N**	**12.4E**	**10**	**2.4D**		¶97vi1033
ROM	**VI**	**07 04 42 05.9**	**42.8N**	**12.7E**	**10**	**2.2D**		¶97vi1044
ISC	**VI**	**07 05 40 59**±1.4	**42.79N**±.073	**12.7E**±.34	**5**		**4**	**0-1**
ROM	VI	07 05 40 59.1	42.8N	12.6E	5	2.7D		¶97vi1048
ISC		Poorly determined						
ISC	**VI**	**07 14 47 34**±1.2	**43.6N**±.10	**12.7E**±.17	**10**		**4**	**0-1**
ROM	VI	07 14 47 33.5	43.6N	12.7E	10	2.7D		¶97vi1110
ISC		Poorly determined						
ISC	**VI**	**08 09 42 10.7**±.94	**42.63N**±.063	**13.0E**±.13	**5**		**6**	**0-1**
ROM	VI	08 09 42 10.2	42.6N	13.0E	5	2.7D		¶97vi1215
ISC	**VI**	**09 02 23 24**±1.2	**42.64N**±.068	**13.1E**±.14	**6**±17		**6**	**0-1**
ROM	VI	09 02 23 23.1	42.6N	13.1E	6	2.8D		¶97vi1317
ROM	**VI**	**10 19 20 44.0**	**42.2N**	**14.0E**	**5**	**2.3D**		¶97vi1559
ISC	**VI**	**11 00 48 29**±1.0	**42.82N**±.056	**13.4E**±.13	**5**		**9**	**0-1**
ROM	VI	11 00 48 28.2	42.8N	13.3E	5	3.0D		¶97vi1593
ISC	**VI**	**11 01 47 37.9**±.70	**42.75N**±.045	**13.2E**±.10	**5**		**11**	**0-3**
ROM	VI	11 01 47 35.7	42.8N	13.3E	5	2.9D		¶97vi1605
ISC	**VI**	**11 03 13 19**±1.4	**42.78N**±.059	**12.6E**±.20	**2**±17		**7**	**0-1**
ROM	VI	11 03 13 18.7	42.8N	12.7E	5	2.9D		¶97vi1610
ROM	**VI**	**11 08 38 18.8**	**43.4N**	**12.5E**	**10**	**2.4D**		¶97vi1645
ISC	**VI**	**11 15 36 02.7**±.94	**42.81N**±.061	**12.7E**±.18	**5**		**6**	**0-1**
ROM	VI	11 15 36 02.1	42.8N	12.7E	5	2.7D		¶97vi1710
ROM	**VI**	**12 03 29 27.7**	**43.0N**	**12.9E**	**10**	**2.5D**		¶97vi1794
ISC	**VI**	**12 09 51 35**±1.9	**43.10N**±.089	**12.9E**±.24	**10**		**4**	**0-1**
ROM	VI	12 09 51 34.8	43.1N	12.8E	10	2.4D		¶97vi1823
ISC		Poorly determined						
ISC	**VI**	**12 11 42 52**±1.5	**43.15N**±.085	**12.8E**±.23	**9**		**4**	**0-1**
ROM	VI	12 11 42 51.8	43.2N	12.8E	9	2.5D		¶97vi1836
ISC		Poorly determined						
ISC	**VI**	**12 15 22 09.2**±.46	**42.94N**±.036	**12.62E**±.073	**5**		**29**	**0-7**
ROM	VI	12 15 22 08.5	43.0N	12.8E	5	3.2D		¶97vi1864
NEIC	VI	12 15 22 14.3	43.17N	12.10E	5			
NEIC		M_L3.0(VIE), Less reliable solution.						
ISC	**VI**	**13 01 14 41.1**±.79	**43.00N**±.049	**12.9E**±.13	**5**		**10**	**0-3**
ROM	VI	13 01 14 40.5	43.0N	12.9E	5	3.0D		¶97vi1917
ISC	**VI**	**13 02 46 37.2**±.81	**43.07N**±.080	**10.85E**±.077	**5**		**10**	**1-3**
ROM	VI	13 02 46 39.2	43.2N	11.0E	5	2.8D		¶97vi1925
ROM	**VI**	**13 03 35 58.2**	**43.0N**	**12.9E**	**10**	**2.5D**		¶97vi1928
ISC	**VI**	**13 17 17 33**±1.2	**43.31N**±.080	**12.8E**±.20	**10**		**4**	**0-1**
ROM	VI	13 17 17 32.8	43.3N	12.8E	10	2.2D		¶97vi2018
ISC		Poorly determined						
ISC	**VI**	**15 02 18 45**±1.5	**42.8N**±.11	**12.9E**±.21	**5**		**4**	**0-1**
ROM	VI	15 02 18 43.9	42.8N	12.9E	5	2.4D		¶97vi2213
ISC		Poorly determined						
ISC	**VI**	**15 16 36 32**±2.5	**42.32N**±.074	**12.4E**±.31	**5**		**4**	**0-1**
ROM	VI	15 16 36 32.0	42.3N	12.5E	5	2.3D		¶97vi2331
ISC		Poorly determined						

ISC	**VI**	**15 23 05 26**±1.1	**42.62N**±.092	**14.4E**±.11	**5**		**6**	**1-2**	
ROM	VI	15 23 05 26.0	42.6N	14.4E	5	3.0D			¶97vi2371
ISC	**VI**	**16 09 56 00**±1.5	**42.51N**±.077	**12.7E**±.20	**5**		**4**	**0-1**	
ROM	VI	16 09 56 00.0	42.6N	12.7E	5	2.6D			¶97vi2440
ISC	Poorly determined								
ISC	**VI**	**17 02 27 53**±1.2	**42.78N**±.033	**12.68E**±.048	**12**±9.6		**49**	**0-8**	
NEIC	VI	17 02 27 52.4	42.93N	12.60E	5				¶97vi2543
ROM	VI	17 02 27 53.6	42.8N	12.7E	5	3.3D			
LDG	VI	17 02 27 59.0	43.1N	12.4E		2.9L			
NEIC	M_L3.2(VIE), Less reliable solution.								
ROM	**VI**	**17 22 20 06.4**	**43.4N**	**12.6E**	**10**	**2.2D**			¶97vi2698
ISC	**VI**	**19 01 41 26**±1.3	**42.74N**±.083	**12.6E**±.21	**5**		**5**	**0-1**	
ROM	VI	19 01 41 25.4	42.7N	12.5E	5	2.7D			¶97vi2854
ISC	**VI**	**19 09 38 25**±1.0	**42.85N**±.073	**12.8E**±.20	**10**		**5**	**0-1**	
ROM	VI	19 09 38 25.2	42.9N	12.8E	10	2.6D			¶97vi2891
ISC	**VI**	**22 04 15 05**±1.9	**42.5N**±.10	**13.4E**±.22	**19**±37		**5**	**0-1**	
ROM	VI	22 04 15 04.2	42.5N	13.4E	9	2.8D			¶97vi3323
ISC	Poorly determined								
ROM	**VI**	**22 13 40 26.6**	**43.5N**	**12.2E**	**10**	**2.5D**			¶97vi3393
ISC	**VI**	**22 22 15 23.3**±.89	**42.79N**±.052	**12.7E**±.23	**5**		**7**	**0-3**	
ROM	VI	22 22 15 22.8	42.8N	12.6E	5	2.7D			¶97vi3449
ISC	**VI**	**22 22 24 06**±1.4	**42.81N**±.053	**12.5E**±.19	**6**±14		**9**	**0-3**	
ROM	VI	22 22 24 05.9	42.8N	12.5E	5	2.8D			¶97vi3450
ISC	**VI**	**24 04 51 53**±1.2	**42.5N**±.10	**13.2E**±.14	**6**±19		**5**	**0-1**	
ROM	VI	24 04 51 52.7	42.4N	13.2E	5	2.8D			¶97vi3643
ISC	Poorly determined								
ISC	**VI**	**24 08 04 14**±4.0	**42.79N**±.081	**12.5E**±.55	**10**		**4**	**0-1**	
ROM	VI	24 08 04 14.1	42.8N	12.5E	10	2.7D			¶97vi3675
ISC	Poorly determined								
ISC	**VI**	**24 19 57 22**±1.4	**42.77N**±.070	**12.5E**±.22	**10**		**6**	**0-1**	
ROM	VI	24 19 57 21.8	42.8N	12.6E	10	2.5D			¶97vi3775
ISC	**VI**	**25 18 35 17**±2.6	**42.51N**±.073	**12.4E**±.34	**5**		**5**	**0-1**	
ROM	VI	25 18 35 17.2	42.5N	12.5E	5	2.7D			¶97vi4004
ISC	**VI**	**26 14 25 35**±1.1	**42.48N**±.073	**12.8E**±.14	**10**±13		**6**	**0-1**	
ROM	VI	26 14 25 34.4	42.5N	12.8E	10	2.6D			¶97vi4156
ISC	**VI**	**26 23 36 03**±1.5	**43.46N**±.071	**12.5E**±.17	**10**±17		**6**	**0-3**	
ROM	VI	26 23 36 03.0	43.4N	12.5E	5	2.7D			¶97vi4211
ROM	**VI**	**27 08 31 41.0**	**42.8N**	**12.7E**	**5**	**2.5D**			¶97vi4260
ROM	**VI**	**27 16 30 03.5**	**43.6N**	**11.1E**	**10**	**2.4D**			¶97vi4326
ROM	**VI**	**27 16 56 59.5**	**43.5N**	**11.1E**	**10**	**2.0D**			¶97vi4329
ROM	**VI**	**27 17 02 31.5**	**43.6N**	**11.2E**	**10**	**1.9D**			¶97vi4330
ISC	**VI**	**27 17 10 21**±6.0	**43.5N**±.51	**11.2E**±.13	**10**		**5**	**1-1**	
ROM	VI	27 17 10 21.9	43.5N	11.1E	10	2.5D			¶97vi4331
ROM	**VI**	**27 17 18 55.0**	**43.6N**	**11.1E**	**10**	**2.4D**			¶97vi4335
ROM	**VI**	**27 17 38 32.2**	**43.5N**	**11.1E**	**10**	**2.4D**			¶97vi4340
ROM	**VI**	**27 17 50 02.7**	**43.6N**	**11.1E**	**10**	**2.5D**			¶97vi4341
ROM	**VI**	**27 17 53 08.5**	**43.5N**	**11.1E**	**10**	**2.0D**			¶97vi4342
ISC	**VI**	**27 18 29 24**±1.1	**43.47N**±.059	**11.08E**±.052	**3**±7.4		**43**	**0-6**	
ROM	VI	27 18 29 25.3	43.5N	11.2E	8	2.8D			¶97vi4346
LDG	VI	27 18 29 25.9	43.5N	11.1E		2.8L			
NEIC	VI	27 18 29 26.6	43.60N	10.92E	10				
NEIC	$M_{L2.9}$(STR)								
ROM	**VI**	**27 18 37 05.9**	**43.5N**	**11.1E**	**10**	**2.2D**			¶97vi4347
ROM	**VI**	**27 18 41 51.5**	**43.5N**	**11.1E**	**10**	**2.0D**			¶97vi4349
ISC	**VI**	**27 19 02 54.6**±.82	**43.63N**±.088	**11.17E**±.074	**10**		**10**	**0-4**	
ROM	VI	27 19 02 55.5	43.7N	11.2E	10	2.4D			¶97vi4352
ISC	**VI**	**27 19 08 24**±2.6	**43.5N**±.11	**11.1E**±.12	**11**±16		**15**	**1-4**	
ROM	VI	27 19 08 24.8	43.5N	11.1E	9	2.5D			¶97vi4354
LDG	VI	27 19 08 25.9	43.5N	11.1E		2.5L			
NEIC	VI	27 19 08 28.8	43.47N	10.62E	10				
NEIC	M_L2.8(STR), Poor solution.								
ISC	**VI**	**27 19 18 15**±7.5	**43.5N**±.65	**11.2E**±.14	**10**		**4**	**1-1**	
ROM	VI	27 19 18 14.8	43.5N	11.1E	10	3.0D			¶97vi4356
ISC	Poorly determined								
ISC	**VI**	**27 19 18 29**±1.2	**43.51N**±.066	**11.07E**±.062	**22**±13		**38**	**0-6**	
NEIC	VI	27 19 18 25.9	43.48N	11.26E	10				¶97vi4357
ROM	VI	27 19 18 26.9	43.4N	11.0E	5	2.8D			
LDG	VI	27 19 18 30.5	43.5N	11.0E		2.9L			
NEIC	M_L2.8(STR), Less reliable solution.								
ISC	**VI**	**27 19 23 19**±4.0	**43.5N**±.34	**11.1E**±.12	**9**±18		**6**	**0-1**	
ROM	VI	27 19 23 18.9	43.5N	11.1E	10	2.7D			¶97vi4359
ROM	**VI**	**27 19 30 07.2**	**43.5N**	**11.1E**	**10**	**2.2D**			¶97vi4360
ROM	**VI**	**27 19 46 37.7**	**43.6N**	**11.1E**	**10**	**2.2D**			¶97vi4362
ISC	**VI**	**27 23 26 34**±1.0	**43.49N**±.087	**11.2E**±.10	**52**±22		**18**	**1-6**	
NEIC	VI	27 23 26 29.9	43.46N	11.37E	10				¶97vi4381
LDG	VI	27 23 26 33.2	43.4N	11.2E		2.6L			
ROM	VI	27 23 26 33.6	43.5N	11.2E	10	2.7D			
NEIC	Poor solution.								
ROM	**VI**	**28 11 23 10.2**	**43.6N**	**11.2E**	**10**	**2.1D**			¶97vi4468
ISC	**VI**	**29 05 34 08**±2.4	**44.0N**±.45	**11.9E**±.12	**21**		**4**	**0-1**	
ROM	VI	29 05 34 08.1	43.9N	12.0E	21	2.3D			¶97vi4575
ISC	Poorly determined								

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ISC	**I**	**01 12 39 51.4**±.89	**42.92N**±.088	**17.9E**±.12	**33**		**16**	**0-4**	
PDG	I	01 12 39 05.7	42.9N	17.9E	10	2.8L			¶97i0074
ROM	I	01 12 40 02.4	42.1N	17.0E	10	2.7D			
ISC	Probable time discrepancy at PDG								
ISC	**I**	**04 07 26 09.9**±.38	**42.83N**±.045	**17.75E**±.042	**10**	3.3b	**52**	**1-68**	
EIDC	I	04 07 26 06.3	42.5N	17.8E	0	3.7L,3.1b			¶97i0494
PDG	I	04 07 26 08.1	42.8N	17.9E	0	3.3L,3.3D			
NEIC	I	04 07 26 08.9	42.80N	17.64E	10				
ROM	I	04 07 26 10.1	42.8N	18.1E	10	3.2D			
LDG	I	04 07 26 12.6	42.7N	17.7E		3.6L			
ISC	**I**	**09 00 03 10.3**±.33	**42.71N**±.039	**15.89E**±.038	**10**		**53**	**1-10**	
LDG	I	09 00 03 10.4	43.1N	16.3E		3.4L			¶97i1141
ROM	I	09 00 03 10.5	42.8N	16.1E	10	3.3D			
PDG	I	09 00 03 14.5	42.4N	16.3E	11	3.3L			
ISC	**I**	**10 01 34 20**±1.4	**42.83N**±.088	**17.9E**±.13	**10**		**11**	**1-3**	
PDG	I	10 01 34 18.9	42.9N	17.7E	10	2.6L			¶97i1292
ISC	**I**	**10 10 24 50.9**±.20	**42.81N**±.023	**17.81E**±.026	**9**	**4.0b**	**124**	**1-90**	
PDG	I	10 10 24 50.6	42.9N	17.9E	9	3.8D			¶97i1346
LDG	I	10 10 24 50.9	42.8N	18.1E		4.1L			
NEIC	I	10 10 24 50.9	42.84N	17.89E	10	4.0b			
MOS	I	10 10 24 51.5	42.8N	17.8E	10	4.1b			
ROM	I	10 10 24 51.6	42.8N	18.1E	10	3.7D			
EIDC	I	10 10 24 57.2	42.8N	17.7E	56	4.0L,3.6b			
ZAG	Felt in Dubrovnik, Slano and Ston								
ISC	**I**	**11 02 55 49**±1.0	**42.84N**±.090	**17.88E**±.083	**10**		**10**	**0-2**	
PDG	I	11 02 55 49.3	42.8N	17.8E	10	2.1L			¶97i1452
ISC	**I**	**12 16 59 59**±1.0	**42.8N**±.10	**17.88E**±.083	**10**		**10**	**0-3**	
PDG	I	12 16 59 59.3	42.8N	17.8E	10	2.8L			¶97i1714
ISC	**I**	**13 12 02 17**±1.0	**42.8N**±.10	**17.73E**±.088	**10**		**11**	**1-3**	
PDG	I	13 12 02 17.6	42.8N	17.7E	10	2.6L			¶97i1834
ISC	**I**	**14 14 17 30**±1.0	**42.83N**±.088	**17.90E**±.081	**0**		**10**	**0-2**	
PDG	I	14 14 17 30.9	42.8N	17.9E	0	2.1L			¶97i2004
ISC	**I**	**16 22 53 18**±1.0	**42.85N**±.097	**17.81E**±.087	**10**		**10**	**1-2**	
PDG	I	16 22 53 17.4	42.9N	17.7E	10	2.1L			¶97i2370
ISC	**I**	**18 13 27 26.6**±.36	**42.80N**±.036	**18.00E**±.039	**13**		**40**	**0-7**	
PDG	I	18 13 27 26.1	42.8N	17.9E	13	3.0L,3.1D			¶97i2669
ISC	**I**	**20 16 02 18**±1.0	**42.86N**±.090	**17.88E**±.082	**11**		**12**	**0-3**	
PDG	I	20 16 02 17.4	42.9N	17.8E	11	2.6L			¶97i3034
ISC	**I**	**20 18 23 37.1**±.59	**42.89N**±.065	**17.82E**±.062	**8**		**20**	**1-4**	
PDG	I	20 18 23 36.5	42.9N	17.7E	8	2.8L			¶97i3060
ISC	**I**	**25 06 41 41**±1.0	**42.82N**±.088	**17.91E**±.082	**10**		**10**	**0-2**	
PDG	I	25 06 41 42.8	42.8N	17.9E	10	2.1L			¶97i3760
ISC	**I**	**25 21 01 15**±1.0	**42.85N**±.086	**17.90E**±.080	**10**		**13**	**0-3**	
PDG	I	25 21 01 16.6	42.8N	17.9E	10	2.3L			¶97i3850
ISC	**II**	**01 10 09 44.3**±.99	**42.95N**±.095	**17.79E**±.082	**8**		**13**	**1-3**	
PDG	II	01 10 09 46.3	42.9N	17.8E	8	2.8L			¶97ii0057
ISC	**II**	**05 17 50 06**±2.2	**44.9N**±.15	**14.17E**±.069	**10**		**19**	**0-3**	
ROM	II	05 17 50 04.7	44.6N	14.2E	10	2.8D			¶97ii0728
LJU	II	05 17 50 12.2	45.2N	14.6E	7				
ISC	**II**	**06 21 25 28**±1.0	**42.83N**±.099	**17.75E**±.087	**9**		**11**	**1-3**	
PDG	II	06 21 25 28.8	42.8N	17.7E	9	2.5L			¶97ii0910
ISC	**II**	**10 22 11 40**±1.0	**42.8N**±.10	**17.86E**±.087	**8**		**9**	**1-2**	
PDG	II	10 22 11 38.8	42.9N	17.7E	8	2.1L			¶97ii1532
ISC	**II**	**11 16 18 34**±1.1	**42.8N**±.12	**17.66E**±.090	**10**		**9**	**1-2**	
PDG	II	11 16 18 34.9	42.9N	17.7E	10	2.3L			¶97ii1644
ISC	**II**	**11 22 54 58**±1.1	**42.9N**±.10	**17.86E**±.083	**0**		**9**	**1-2**	
PDG	II	11 22 54 59.9	42.9N	17.9E	0	2.3L			¶97ii1683
ISC	**II**	**14 12 37 49**±1.0	**42.85N**±.088	**17.89E**±.080	**7**		**13**	**0-3**	
PDG	II	14 12 37 51.4	42.8N	17.9E	7	2.5L			¶97ii2057
ISC	**II**	**18 15 50 20**±1.0	**42.80N**±.085	**17.95E**±.081	**13**		**11**	**0-3**	
PDG	II	18 15 50 21.5	42.8N	17.9E	13	2.5L			¶97ii2665
ISC	**II**	**26 13 43 56.3**±.55	**41.76N**±.025	**18.90E**±.028	**12**±4.4	**3.5b**	**112**	**0-92**	
EIDC	II	26 13 43 53.8	41.7N	19.4E	0	3.6b,3.9L			¶97ii3796
NEIC	II	26 13 43 55.0	41.82N	19.01E	10				
ROM	II	26 13 43 55.9	41.7N	19.2E	10	3.5D			
TIR	II	26 13 43 56.2	41.73N	18.94E	16	3.8L			
PDG	II	26 13 43 57.4	41.7N	19.0E	1	4.0D			
THE	II	26 13 43 59.9	41.6N	19.2E	1	3.7L			
LDG	II	26 13 44 03.6	42.1N	18.6E	2	4.1L			
ISC	**II**	**27 02 28 47.9**±.66	**41.75N**±.027	**18.86E**±.031	**8**±5.3	3.5b	**87**	**0-36**	
ROM	II	27 02 28 42.4	41.8N	19.8E	10	3.4D			¶97ii3891
NEIC	II	27 02 28 44.8	41.51N	18.86E	10				
EIDC	II	27 02 28 46.0	41.6N	18.8E	0	3.7L,3.5b			
TIR	II	27 02 28 49.1	41.78N	19.05E	20	3.3L			
PDG	II	27 02 28 49.4	41.7N	19.0E	10	3.6L,3.8D			
LDG	II	27 02 28 53.0	42.0N	18.8E	2	3.8L			
THE	II	27 02 28 55.6	41.6N	19.5E	1				
ATH	II	27 02 29 01.9	41.18N	19.54E	10	3.6D			
NEIC	Less reliable solution.								
ISC	**III**	**01 13 52 48.4**±.31	**42.83N**±.037	**17.77E**±.038	**10**	3.5b	**53**	**1-68**	
PDG	III	01 13 52 46.0	42.9N	17.6E	6	3.7L,3.6D			¶97iii0120
NEIC	III	01 13 52 46.0	42.61N	17.73E	10	3.2b			
LDG	III	01 13 52 47.2	43.2N	18.2E	2	3.6L			
ROM	III	01 13 52 53.4	42.9N	17.5E	10	3.3D			
EIDC	III	01 13 52 55.9	42.9N	17.4E	51	3.6L,3.1b			
NEIC	Less reliable solution.								
ISC	**III**	**04 08 18 07.6**±.49	**41.80N**±.036	**18.97E**±.055	**10**		**23**	**0-5**	
ROM	III	04 08 17 59.5	42.2N	19.7E	10	3.2D			¶97iii0811
TIR	III	04 08 18 06.2	41.71N	18.93E	13	2.7L			
PDG	III	04 08 18 06.8	41.7N	19.0E	10	3.0L,3.1D			
ISC	**III**	**08 21 28 33.5**±.33	**42.74N**±.040	**17.96E**±.034	**10**	3.4b	**62**	**0-68**	
NEIC	III	08 21 28 32.3	42.61N	17.94E	10				¶97iii1837
ROM	III	08 21 28 32.6	42.8N	18.5E	10	3.2D			
PDG	III	08 21 28 33.2	42.8N	17.9E	10	3.1L,3.1D			
EIDC	III	08 21 28 33.5	42.7N	18.3E	0	3.8L,3.3b			
LDG	III	08 21 28 35.0	42.8N	18.2E	2	3.4L			
NEIC	Less reliable solution.								
LJU	**III**	**12 13 20 22.0**	**44.99N**	**14.0E**	**13**				¶97iii2543
ISC	**III**	**12 17 12 34**±1.5	**42.4N**±.14	**17.7E**±.12	**21**		**10**	**1-2**	
PDG	III	12 17 12 36.6	42.5N	18.0E	21	2.5L			¶97iii2561
ISC	**III**	**29 13 35 54.8**±.61	**42.91N**±.069	**17.61E**±.062	**10**		**18**	**1-7**	
PDG	III	29 13 35 56.3	42.9N	17.6E	10	3.0L			¶97iii5596
ISC	**III**	**31 16 25 14.8**±.42	**42.94N**±.053	**17.99E**±.057	**10**	3.7b	**38**	**0-90**	
PDG	III	31 16 25 10.5	42.8N	17.8E	10	3.0L,3.1D			¶97iii5903
ROM	III	31 16 25 11.6	42.8N	18.4E	10	3.2D			
NEIC	III	31 16 25 15.2	42.97N	17.89E	10				
EIDC	III	31 16 25 16.3	43.1N	17.9E	0	3.3L,3.6b			
ISC	**IV**	**01 21 09 29**±1.0	**42.79N**±.088	**17.88E**±.083	**7**		**12**	**1-3**	
PDG	IV	01 21 09 29.0	42.8N	17.8E	7	2.5L			¶97iv0141
ISC	**IV**	**08 06 39 00.4**±.98	**42.78N**±.096	**17.72E**±.089	**8**		**14**	**1-3**	
PDG	IV	08 06 38 59.3	42.9N	17.6E	8	2.8L			¶97iv1285
ZAG	Felt in Dubrovnik region, Croatia (after HVAR)								
ZAG	Felt in Slano and Ston, Croatia (after PTJ)								
ISC	**IV**	**08 09 01 20.9**±.70	**42.88N**±.069	**17.81E**±.071	**12**	3.2b	**28**	**1-68**	
PDG	IV	08 09 01 19.1	42.9N	17.7E	12	3.6L,3.5D			¶97iv1303
ZAG	Felt in Dubrovnik region, Croatia (after HVAR)								
ZAG	Felt in Slano and Ston, Croatia (after PTJ)								
ISC	**IV**	**09 00 16 55.7**±.89	**42.87N**±.091	**17.67E**±.085	**9**		**12**	**1-3**	
PDG	IV	09 00 16 57.1	42.8N	17.7E	9	2.8L			¶97iv1430
ISC	**IV**	**17 16 07 57**±1.1	**42.9N**±.11	**17.81E**±.083	**6**		**9**	**1-2**	
PDG	IV	17 16 07 59.7	42.9N	17.9E	6	2.2L			¶97iv2931
ISC	**IV**	**23 16 54 45.5**±.30	**42.80N**±.034	**17.90E**±.034	**10**	4.5b	**63**	**0-68**	
LDG	IV	23 16 54 41.6	43.0N	18.5E		3.8L			¶97iv3999
NEIC	IV	23 16 54 43.8	42.64N	17.85E	10				
PDG	IV	23 16 54 45.5	42.8N	17.9E	5	3.6L,3.5D			
EIDC	IV	23 16 54 50.4	42.8N	17.9E	52	3.9L,3.1b			
NEIC	M_L3.0(LJU), Less reliable solution.								
ISC	**IV**	**24 12 02 45.5**±.45	**42.77N**±.046	**17.94E**±.046	**9**		**26**	**0-5**	
PDG	IV	24 12 02 44.2	42.9N	17.8E	9	3.3L,3.3D			¶97iv4141
ISC	**IV**	**26 07 30 18.8**±.15	**42.82N**±.019	**17.64E**±.019	**9**	**4.1b,4.2s**	**211**	**1-90**	
PDG	IV	26 07 30 17.6	42.9N	17.6E	9	4.5L,4.5D			¶97iv4490
LDG	IV	26 07 30 18.0	42.9N	18.0E		4.4L			
NEIC	IV	26 07 30 19.2	42.87N	17.64E	10	4.1b			
MOS	IV	26 07 30 19.4	42.8N	17.6E	10	4.2b			
EIDC	IV	26 07 30 26.4	43.0N	17.6E	57	3.8b,4.0s			
STR	IV	26 07 30 34.7	43.33N	16.48E	10	4.3L			
ATH	IV	26 07 30 47.2	41.35N	19.02E	30	4.0D			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC		M_L4.2(ROM)						
NEIC		Some houses damaged, avalanche and landslides occurred in the Ston area, Croatia.						
ISC	**IV**	**26 07 38 39.8**±.98	**42.85N**±.086	**17.71E**±.085	**0**		**15**	**1-4**
PDG	IV	26 07 38 40.9	42.9N	17.7E	0	3.0L		¶97iv4491
ISC	**IV**	**26 08 26 42**±1.1	**42.9N**±.14	**17.7E**±.10	**10**		**10**	**1-3**
PDG	IV	26 08 26 43.1	42.9N	17.7E	10	2.8L		¶97iv4500
ISC	**IV**	**28 17 59 23.4**±.98	**42.83N**±.067	**17.80E**±.088	**5**		**17**	**1-4**
PDG	IV	28 17 59 21.5	42.9N	17.6E	5	2.8L		¶97iv4965
ISC	**IV**	**29 14 40 18.9**±.68	**42.90N**±.057	**17.90E**±.067	**7**		**21**	**0-6**
PDG	IV	29 14 40 15.6	42.9N	17.6E	7	3.3L,3.3D		¶97iv5092
ISC	**IV**	**30 02 19 40**±1.0	**42.9N**±.10	**17.69E**±.087	**9**		**11**	**1-3**
PDG	IV	30 02 19 40.2	42.9N	17.6E	9	2.3L		¶97iv5146
ISC	**V**	**03 00 39 27.9**±.31	**42.78N**±.040	**17.80E**±.034	**9**		**51**	**1-11**
PDG	V	03 00 39 25.9	42.9N	17.7E	9	3.5L,3.5D		¶97v0350
NEIC	V	03 00 39 26.4	42.58N	17.69E	10			
LDG	V	03 00 39 49.9	43.3N	15.9E		3.2L		
NEIC		M_L2.7(LJU), Less reliable solution.						
ISC	**V**	**16 01 58 05.3**±.36	**43.10N**±.029	**15.16E**±.048	**10**		**66**	**1-10**
NEIC	V	16 01 58 04.8	43.11N	15.07E	10			¶97v2709
ROM	V	16 01 58 06.2	43.2N	15.4E	10	3.6D		
LDG	V	16 01 58 10.8	43.3N	14.9E		3.3L		
NEIC		Less reliable solution.						
ISC	**V**	**18 16 01 38.7**±.46	**42.83N**±.049	**17.75E**±.048	**1**		**29**	**1-7**
PDG	V	18 16 01 37.0	42.9N	17.6E	1	3.0L		¶97v3115
ISC	**V**	**21 22 58 56.9**±.55	**42.85N**±.054	**17.98E**±.053	**6**		**18**	**0-7**
PDG	V	21 22 58 57.2	42.8N	17.9E	6	2.6L		¶97v3621
ISC	**V**	**27 06 47 28.5**±.22	**42.84N**±.025	**17.63E**±.027	**10**	**3.9b**	**124**	**1-90**
MOS	V	27 06 47 25.0	42.5N	17.7E	10	4.0b		¶97v4526
PDG	V	27 06 47 26.4	43.0N	17.6E	5	3.8L,3.8D		
NEIC	V	27 06 47 26.9	42.76N	17.67E	10			
ROM	V	27 06 47 27.6	42.9N	18.1E	10	3.7D		
EIDC	V	27 06 47 28.1	42.9N	17.9E	0	4.0b,4.1L		
LDG	V	27 06 47 29.6	43.0N	17.8E		4.0L		
ZAG		Felt in Ston region (after HVAR)						
ISC	**V**	**28 00 10 30.6**±.47	**42.92N**±.048	**17.85E**±.054	**9**		**29**	**1-7**
PDG	V	28 00 10 27.9	42.9N	17.7E	9	3.3L,3.3D		¶97v4629
ZAG		Felt in Ston region (after HVAR)						
ISC	**V**	**28 00 12 31**±1.0	**43.0N**±.15	**17.7E**±.10	**8**		**9**	**1-2**
PDG	V	28 00 12 29.7	43.1N	17.5E	8	2.5L		¶97v4630
ISC	**V**	**28 03 02 49**±1.1	**42.8N**±.13	**17.7E**±.10	**3**		**10**	**1-3**
PDG	V	28 03 02 48.8	42.9N	17.6E	3	2.6L		¶97v4648
ISC	**VI**	**17 11 05 17**±1.2	**42.8N**±.11	**17.9E**±.10	**13**		**9**	**0-2**
PDG	VI	17 11 05 17.2	42.9N	17.9E	13	2.4L		¶97vi2603
ISC	**VI**	**22 03 01 51.9**±.84	**44.71N**±.097	**13.4E**±.19	**10**		**9**	**1-2**
ROM	VI	22 03 01 50.5	44.7N	13.8E	10	2.7D		¶97vi3316
LJU	VI	22 03 01 50.5	44.7N	13.4E	6			
ISC	**VI**	**24 16 15 41**±1.1	**42.8N**±.13	**17.76E**±.099	**7**		**9**	**1-3**
PDG	VI	24 16 15 42.7	42.9N	17.8E	7	2.6L		¶97vi3745
ISC	**VI**	**27 04 42 25**±1.1	**42.86N**±.088	**17.91E**±.093	**9**		**11**	**0-3**
PDG	VI	27 04 42 24.8	42.9N	17.8E	9	2.5L		¶97vi4243

(383) Northwestern Balkan region.

ISC	**I**	**03 00 48 29**±5.3	**42.8N**±.11	**18.2E**±.42	**10**		**9**	**0-1**
PDG	I	03 00 48 25.5	42.9N	17.8E	10	2.6L		¶97i0293
ISC	**I**	**03 15 01 06.7**±.37	**43.26N**±.051	**17.76E**±.057	**8**		**41**	**1-8**
PDG	I	03 15 01 04.5	43.2N	17.6E	8	3.6L,3.5D		¶97i0394
NEIC	I	03 15 01 08.2	43.74N	18.25E	10			
ROM	I	03 15 01 13.8	43.3N	17.1E	10	3.1D		
NEIC		Less reliable solution.						
ISC	**I**	**06 06 06 09.3**±.70	**42.49N**±.051	**19.10E**±.067	**7**		**9**	**0-1**
PDG	I	06 06 06 10.0	42.5N	19.1E	7	1.8L		¶97i0753
ISC	**I**	**07 21 18 19**±2.0	**42.36N**±.075	**18.93E**±.086	**12**±31		**9**	**0-1**
PDG	I	07 21 18 20.3	42.4N	18.9E	5	1.4L		¶97i0976
ISC	**I**	**08 06 49 49**±1.2	**43.05N**±.074	**18.99E**±.088	**10**		**9**	**0-1**
PDG	I	08 06 49 49.6	43.1N	19.0E	10	1.8L		¶97i1033
ISC	**I**	**08 15 53 29.8**±.91	**45.28N**±.092	**18.12E**±.088	**10**		**12**	**2-5**
ZAG		Felt in Slavonski Brod						¶97i1084
ISC	**I**	**09 02 09 34.8**±.88	**45.79N**±.070	**15.09E**±.078	**14**		**7**	**0-1**
LJU	I	09 02 09 35.2	45.8N	15.1E	14			¶97i1155
NEIC		Felt I=III−IV EMS Potok, Dolnja Straza (after LJU)						
LJU	**I**	**09 03 49 17.2**	**45.8N**	**15.1E**	**7**			¶97i1162
ISC	**I**	**09 03 50 54.1**±.88	**45.79N**±.070	**15.08E**±.078	**14**		**7**	**0-1**
LJU	I	09 03 50 54.4	45.8N	15.1E	14			¶97i1163
NEIC		Felt I=III−IV EMS Potok, Dolnja Straza (after LJU)						
ISC	**I**	**09 14 14 16**±1.0	**41.2N**±.10	**22.01E**±.099	**24**		**5**	**0-1**
SKO	I	09 14 14 16.3	41.25N	21.97E	24			¶97i1231
LJU	**I**	**10 03 12 22.8**	**46.3N**	**16.0E**	**0**			¶97i1304
ISC	**I**	**10 03 18 57.6**±.56	**42.40N**±.046	**19.46E**±.061	**12**±9.6		**14**	**0-2**
TIR	I	10 03 18 56.7	42.33N	19.48E	23			¶97i1305
PDG	I	10 03 18 57.7	42.4N	19.5E	17	1.9L		
ISC	**I**	**10 12 10 19**±6.1	**42.8N**±.10	**18.1E**±.48	**3**		**9**	**0-1**
PDG	I	10 12 10 14.7	42.8N	17.8E	3	2.5L		¶97i1357
ISC	**I**	**10 14 05 15**±1.7	**42.37N**±.075	**19.53E**±.083	**22**±33		**9**	**0-1**
PDG	I	10 14 05 14.3	42.3N	19.5E	22	1.7L		¶97i1374
ISC	**I**	**10 17 54 09.2**±.96	**42.37N**±.065	**18.75E**±.090	**3**		**7**	**0-1**
PDG	I	10 17 54 10.0	42.3N	18.7E	3	1.8L		¶97i1401
ISC	**I**	**11 08 50 36**±1.4	**42.72N**±.078	**18.0E**±.13	**11**		**11**	**0-3**
PDG	I	11 08 50 33.6	42.8N	17.7E	11	2.4L		¶97i1495
SKO	**I**	**13 10 14 38.5**	**41.14N**	**21.99E**	**24**			¶97i1820
ISC	**I**	**14 00 03 54.7**±.53	**42.39N**±.049	**19.46E**±.059	**17**		**15**	**0-2**
PDG	I	14 00 03 53.9	42.3N	19.5E	17	2.5D		¶97i1919
TIR	I	14 00 03 54.1	42.35N	19.46E	18	2.4L		
ISC	**I**	**15 05 21 36**±8.3	**41.7N**±.45	**22.9E**±.20	**10**±23		**8**	**0-2**
								¶97i2100
ISC	**I**	**15 11 31 31**±5.2	**46.2N**±.11	**15.8E**±.43	**0**		**5**	**0-1**
LJU	I	15 11 31 29.6	46.3N	16.0E	0			¶97i2149
ISC	**I**	**15 23 52 54**±1.0	**42.93N**±.086	**18.00E**±.080	**10**		**10**	**0-1**
PDG	I	15 23 52 55.6	42.9N	18.0E	10	2.3L		¶97i2225
ISC	**I**	**16 10 46 25**±6.4	**45.1N**±.40	**15.0E**±.16	**7**		**5**	**0-1**
LJU	I	16 10 46 26.9	45.25N	14.94E	7			¶97i2297
LJU	**I**	**16 10 47 17.5**	**45.3N**	**14.9E**	**7**			¶97i2299
ISC	**I**	**18 09 26 29**±3.5	**41.7N**±.31	**22.4E**±.33	**17**		**4**	**0-1**
SKO	I	18 09 26 29.2	41.66N	22.36E	17			¶97i2640
ISC		Poorly determined						
ISC	**I**	**19 12 59 22.6**±.74	**42.55N**±.051	**18.69E**±.072	**10**		**10**	**0-2**
PDG	I	19 12 59 22.8	42.6N	18.6E	10	1.8L		¶97i2843
ISC	**I**	**19 21 28 30**±1.2	**42.37N**±.080	**19.28E**±.094	**20**±19		**8**	**0-1**
PDG	I	19 21 28 30.3	42.4N	19.3E	19	1.4L		¶97i2894
ISC	**I**	**21 05 08 57**±1.5	**46.2N**±.11	**14.3E**±.15	**17**±22		**7**	**0-1**
LJU	I	21 05 08 56.2	46.2N	14.4E	23			¶97i3140
ISC	**I**	**21 09 52 28.5**±.52	**42.84N**±.051	**18.01E**±.048	**1**		**28**	**0-5**
PDG	I	21 09 52 28.4	42.8N	18.0E	1	3.1L,3.1D		¶97i3168
ISC	**I**	**22 02 03 05.1**±.24	**43.04N**±.029	**17.84E**±.030	**10**		**85**	**1-19**
EIDC	I	22 02 02 57.0	42.3N	18.0E	0	3.7L		¶97i3265
PDG	I	22 02 03 05.2	43.0N	17.8E	0	3.6L,3.6D		
NEIC	I	22 02 03 05.4	43.01N	17.75E	10			
LDG	I	22 02 03 06.3	43.2N	18.1E	2	3.5L		
NEIC		MG3.3(ZAG).						
ISC	**I**	**22 02 14 31.0**±.36	**43.01N**±.039	**17.88E**±.044	**8**		**36**	**0-7**
PDG	I	22 02 14 31.0	43.0N	17.8E	8	3.3L,3.3D		¶97i3268
NEIC	I	22 02 14 32.5	43.09N	17.86E	10			
NEIC		MG3.0(ZAG), Less reliable solution.						
ISC	**I**	**23 05 56 59.9**±.30	**43.09N**±.039	**17.86E**±.039	**10**		**55**	**1-9**
NEIC	I	23 05 56 59.2	42.78N	17.43E	10			¶97i3444
PDG	I	23 05 57 00.8	43.0N	17.8E	3	3.5L,3.4D		
ISC	**I**	**24 03 44 58**±1.1	**46.37N**±.067	**15.2E**±.11	**1**		**6**	**0-1**
LJU	I	24 03 44 58.0	46.4N	15.2E	1			¶97i3589
ISC	**I**	**25 00 47 20**±1.2	**42.44N**±.073	**19.24E**±.089	**22**±19		**9**	**0-1**
PDG	I	25 00 47 19.6	42.4N	19.3E	23	1.3L		¶97i3715
ISC	**I**	**25 05 30 37.0**±.88	**42.53N**±.053	**18.69E**±.085	**13**		**9**	**0-1**
PDG	I	25 05 30 37.6	42.5N	18.7E	13	2.1L		¶97i3751
SKO	**I**	**25 14 15 50.9**	**41.17N**	**22.02E**	**12**			¶97i3824
ISC	**I**	**26 09 32 49**±5.4	**45.4N**±.50	**15.0E**±.18	**16**		**4**	**0-1**
LJU	I	26 09 32 49.8	45.5N	15.1E	16			¶97i3915
ISC		Poorly determined						
ISC	**I**	**27 00 46 17.4**±.64	**45.22N**±.018	**16.16E**±.025	**12**±4.9	**4.0b**	**194**	**1-88**
MOS	I	27 00 46 15.3	45.2N	16.5E	10			¶97i4024
EIDC	I	27 00 46 15.9	45.2N	16.6E	0	4.1L,4.0b		
PDG	I	27 00 46 16.2	45.3N	16.1E	9	4.1L		
STR	I	27 00 46 16.6	45.16N	16.42E	10	4.6L		
NEIC	I	27 00 46 16.8	45.22N	16.19E	10	4.2b		
SZGRF	I	27 00 46 20.1	45.20N	16.09E	10	4.3L		
LDG	I	27 00 46 21.2	45.0N	16.0E	2	3.9L		
MOS		Mb4−4.5						
NEIC		M_L4.3(VIE), M_L4.0(FUR)						
NEIC		ML 3.8 (ROM)						
ZAG		Felt in Sisak, Glina, Croatia; and in Bihac, Bosnia Herzegovina						
ISC	**I**	**29 01 37 02.1**±.97	**43.01N**±.073	**18.0E**±.10	**7**		**16**	**0-7**
PDG	I	29 01 37 02.1	43.0N	17.9E	7	2.6L		¶97i4278
SKO	**I**	**29 09 12 16.0**	**41.74N**	**22.39E**	**18**			¶97i4328
ISC	**I**	**30 02 00 03.9**±.80	**41.13N**±.060	**22.66E**±.064	**7**		**10**	**0-1**
THE	I	30 02 00 04.5	41.2N	22.7E	7	2.2L		¶97i4426
ISC	**I**	**30 02 15 22.5**±.65	**41.16N**±.056	**22.66E**±.059	**14**		**12**	**0-1**
SKO	I	30 02 15 23.4	41.17N	22.59E	14			¶97i4427
THE	I	30 02 15 23.7	41.1N	22.7E	0	2.2L		
ISC	**I**	**31 12 25 59**±7.7	**46.2N**±.12	**15.9E**±.70	**9**±13		**7**	**0-1**
ISC		ML2.1 (after CESS)						¶97i4625
SKO	**I**	**31 14 16 04.2**	**41.22N**	**21.99E**	**19**			¶97i4637
ISC	**I**	**31 20 25 59.8**±.60	**42.34N**±.053	**19.40E**±.078	**25**		**13**	**0-2**
PDG	I	31 20 25 58.5	42.3N	19.5E	25	2.6L,2.6D		¶97i4671
TIR	I	31 20 25 59.5	42.25N	19.38E	16	2.4L		
ISC	**II**	**01 12 07 38.9**±.36	**42.01N**±.038	**21.13E**±.038	**10**		**35**	**0-4**
TIR	II	01 12 07 36.2	42.12N	21.23E	5	2.8L		¶97ii0067
SKO	II	01 12 07 37.2	42.06N	21.26E	18			
THE	II	01 12 07 40.9	42.0N	21.2E	10	2.8L		
PDG	II	01 12 07 48.0	42.05N	21.21E	6	3.3L		
SKO		Felt I=IV at Radusa (Skopje region)						
SKO	**II**	**01 12 10 24.4**	**42.06N**	**21.22E**	**16**	**1.5L**		¶97ii0068
SKO		Felt I=III MSK at Radusa (Skopje region)						
ISC	**II**	**01 12 12 53**±1.1	**42.33N**±.082	**19.5E**±.10	**15**±62		**9**	**0-1**
PDG	II	01 12 12 47.0	42.35N	19.49E	17	2.1L		¶97ii0069
ISC	**II**	**01 19 47 48**±1.2	**42.06N**±.098	**21.19E**±.068	**5**		**9**	**0-2**
TIR	II	01 19 47 46.3	42.09N	21.24E	5	2.6L		¶97ii0114
SKO	II	01 19 47 47.6	42.06N	21.23E	16			
SKO		Felt I=III−IV MSK at Radusa (Skopje region)						
SKO	**II**	**01 20 34 20.0**	**42.06N**	**21.22E**	**16**			¶97ii0119
SKO		Felt I=III MSK at Radusa (Skopje region)						
ISC	**II**	**01 20 47 40.8**±.42	**42.07N**±.038	**21.21E**±.045	**7**		**31**	**0-6**
TIR	II	01 20 47 39.8	42.07N	21.22E	7	3.1L		¶97ii0120
SKO	II	01 20 47 40.3	42.06N	21.22E	16			
THE	II	01 20 47 43.6	42.0N	21.3E	0	2.8L		
PDG	II	01 20 47 44.2	42.1N	21.1E	7	3.3L		
SKO		Felt IV MSK at Radusa (Skopje region)						
SKO	**II**	**02 07 10 33.3**	**42.03N**	**21.20E**	**14**			¶97ii0186
SKO		Felt I=III MSK at Radusa (Skopje region)						
ISC	**II**	**03 08 08 49**±1.0	**42.35N**±.066	**19.49E**±.081	**10**		**9**	**0-1**
PDG	II	03 08 08 50.3	42.3N	19.5E	10	2.3L,2.3D		¶97ii0343
ISC	**II**	**04 11 34 06.1**±.91	**45.28N**±.071	**14.60E**±.077	**10**		**14**	**0-3**
ROM	II	04 11 34 01.7	44.9N	14.9E	10	2.6D		¶97ii0515
LJU	II	04 11 34 04.7	45.2N	14.6E	7			
ZAG		Felt at Crikvenica, Novi and Omisalji (after PTJ)						
ISC	**II**	**04 13 50 46**±2.7	**45.3N**±.23	**14.6E**±.12	**3**		**4**	**0-1**
LJU	II	04 13 50 43.5	45.1N	14.6E	3			¶97ii0533
ISC		Poorly determined						
LJU	**II**	**04 14 03 47.9**	**45.2N**	**14.59E**	**11**			¶97ii0539
ISC	**II**	**04 14 09 07.6**±.61	**45.25N**±.046	**14.61E**±.059	**7**		**20**	**0-3**
LJU	II	04 14 09 06.6	45.2N	14.6E	7			¶97ii0540
ROM	II	04 14 09 06.7	45.2N	15.0E	10	2.8D		
ISC	**II**	**04 15 07 32**±1.4	**45.3N**±.11	**14.58E**±.065	**10**		**12**	**0-2**
LJU	II	04 15 07 30.8	45.2N	14.6E	10			¶97ii0554
ROM	II	04 15 07 35.0	45.3N	14.5E	10	2.6D		
ISC	**II**	**04 16 18 15**±2.9	**45.3N**±.22	**14.6E**±.11	**7**		**5**	**0-1**
LJU	II	04 16 18 13.0	45.2N	14.6E	7			¶97ii0561
ISC	**II**	**04 17 38 58**±1.6	**41.2N**±.10	**22.6E**±.11	**7**±20		**7**	**0-1**
THE	II	04 17 38 59.4	41.2N	22.6E	7	2.1L		¶97ii0572
ISC	**II**	**04 22 30 04**±2.0	**41.2N**±.16	**22.65E**±.084	**3**±23		**7**	**0-1**
THE	II	04 22 30 04.9	41.2N	22.7E	7	2.1L		¶97ii0601
ISC	**II**	**05 13 07 03**±2.2	**45.3N**±.17	**14.5E**±.14	**13**		**6**	**0-1**
LJU	II	05 13 07 01.9	45.2N	14.5E	13			¶97ii0691
ISC		Poorly determined						
ISC	**II**	**05 14 12 51.2**±.95	**41.20N**±.071	**21.97E**±.079	**0**		**7**	**0-1**
THE	II	05 14 12 51.5	41.2N	22.0E	0	2.4L		¶97ii0700
ISC	**II**	**05 17 06 29.3**±.86	**45.08N**±.066	**14.61E**±.064	**7**		**44**	**1-9**
LJU	II	05 17 06 30.8	45.2N	14.6E	7			¶97ii0722
LDG	II	05 17 06 32.3	45.0N	14.7E	2	3.3L		
ROM	II	05 17 06 33.2	45.3N	14.7E	10	3.1D		
LJU	**II**	**05 17 10 10.9**	**45.1N**	**14.55E**	**3**			¶97ii0723

LJU	**II**	**05 18 05 24.0**	**45.2N**	**14.5E**	**13**				**¶97ii0730**
LJU	**II**	**05 21 58 55.7**	**45.2N**	**14.6E**	**7**				**¶97ii0754**
LJU	**II**	**06 01 59 46.5**	**45.1N**	**14.6E**	**0**				**¶97ii0785**
ISC	**II**	**06 22 28 26.8**±.56	**41.04N**±.044	**22.41E**±.049	**10**			**18**	**0-2**
THE	II	06 22 28 27.9	41.0N	22.5E	0	2.4L			**¶97ii0913**
ATH	II	06 22 28 28.7	41.14N	22.46E	10				
ISC	**II**	**07 10 14 47.6**±.80	**41.21N**±.070	**21.97E**±.063	**0**			**8**	**0-1**
THE	II	07 10 14 48.4	41.2N	22.0E	0				**¶97ii0977**
LJU	**II**	**07 21 01 25.8**	**45.1N**	**14.6E**	**0**				**¶97ii1039**
ISC	**II**	**09 02 43 51**±1.1	**42.16N**±.066	**19.22E**±.098	**15**			**8**	**0-1**
PDG	II	09 02 43 51.9	42.1N	19.2E	15	2.1L,2.1D			**¶97ii1241**
ISC	**II**	**10 06 31 54**±10	**45.5N**±.41	**16.1E**±.68	**6**±17			**8**	**0-3**
LJU	II	10 06 31 52.8	45.4N	16.2E	7				**¶97ii1422**
ISC	**II**	**10 12 05 30**±6.8	**46.2N**±.13	**15.9E**±.58	**0**			**4**	**0-1**
LJU	II	10 12 05 28.8	46.3N	16.1E	0				**¶97ii1454**
ISC		Poorly determined							
LJU	**II**	**10 12 58 23.3**	**45.63N**	**14.0E**	**0**				**¶97ii1464**
ISC	**II**	**10 14 19 28**±1.9	**45.3N**±.14	**14.64E**±.078	**6**			**9**	**0-2**
LJU	II	10 14 19 26.3	45.18N	14.61E	6				**¶97ii1474**
ISC	**II**	**10 17 33 45**±1.6	**43.5N**±.15	**17.72E**±.088	**5**			**9**	**1-2**
PDG	II	10 17 33 45.1	43.5N	17.8E	5	2.3L			**¶97ii1492**
ISC	**II**	**11 09 01 40**±1.0	**46.25N**±.071	**15.11E**±.096	**6**			**6**	**0-1**
LJU	II	11 09 01 40.5	46.3N	15.1E	6				**¶97ii1608**
ISC	**II**	**12 16 17 24.9**±.75	**42.57N**±.056	**19.01E**±.073	**12**			**8**	**0-1**
PDG	II	12 16 17 25.6	42.6N	19.0E	12	1.8L			**¶97ii1790**
ISC	**II**	**13 11 41 31**±1.3	**42.38N**±.089	**19.3E**±.10	**21**±21			**7**	**0-1**
PDG	II	13 11 41 31.5	42.4N	19.3E	19	1.9L			**¶97ii1911**
ISC	**II**	**15 04 47 19**±2.0	**45.6N**±.10	**15.4E**±.17	**6**±10			**10**	**0-4**
LJU	II	15 04 47 19.2	45.5N	15.3E	7				**¶97ii2174**
THE	**II**	**15 12 55 45.0**	**41.1N**	**21.6E**	**7**	**1.9L**			**¶97ii2234**
SKO	**II**	**17 12 07 26.2**	**42.11N**	**21.20E**	**12**				**¶97ii2489**
SKO		Felt I=II MSK at Radusa (Skopje region)							
ISC	**II**	**20 11 53 41**±4.5	**46.3N**±.15	**16.0E**±.40	**0**			**4**	**0-1**
LJU	II	20 11 53 40.9	46.2N	16.1E	0				**¶97ii2920**
ISC		Poorly determined							
LJU	**II**	**20 13 02 22.5**	**45.94N**	**14.3E**	**15**				**¶97ii2930**
ISC	**II**	**20 14 24 27**±1.1	**43.88N**±.026	**18.27E**±.033	**4**±8.3	**3.9b**		**120**	**1-124**
NEIC	II	20 14 24 26.9	43.80N	18.30E	10	3.8b			**¶97ii2941**
LDG	II	20 14 24 27.5	43.7N	18.5E	2	4.0L			
EIDC	II	20 14 24 27.8	43.9N	18.3E	0	3.8b,4.0L			
PDG	II	20 14 24 28.3	43.8N	18.4E	5	3.8L,3.8D			
ROM	II	20 14 24 28.7	43.9N	18.6E	10	3.6D			
NEIC	M_L3.9(VIE)								
NEIC	Minor damage at Sarajevo, Bosnia and Herzegovina. Also felt at Tuzla, Bosnia and Herzegovina.								
ZAG	Felt at Sarajevo, Bosnia and Herzegovina (after HVAR)								
ISC	**II**	**21 04 50 42.2**±.73	**42.23N**±.052	**19.42E**±.068	**10**			**11**	**0-2**
PDG	II	21 04 50 41.8	42.2N	19.5E	10	1.7L			**¶97ii3016**
ISC	**II**	**22 18 54 39**±1.3	**42.29N**±.080	**19.57E**±.097	**9**			**7**	**0-1**
PDG	II	22 18 54 39.5	42.3N	19.6E	9	1.7L			**¶97ii3232**
ISC	**II**	**22 20 47 51.4**±.52	**42.74N**±.050	**18.04E**±.048	**7**			**24**	**0-5**
PDG	II	22 20 47 50.9	42.8N	17.9E	7	2.8L			**¶97ii3246**
ROM	II	22 20 47 52.9	42.7N	18.1E	10	2.3D			
ISC	**II**	**23 22 54 30**±1.3	**42.31N**±.089	**19.5E**±.11	**17**			**7**	**0-1**
PDG	II	23 22 54 30.5	42.3N	19.5E	17	1.4L			**¶97ii3385**
ISC	**II**	**24 09 38 18.1**±.82	**43.96N**±.068	**18.2E**±.11	**10**			**14**	**1-3**
PDG	II	24 09 38 17.5	44.0N	18.3E	10	2.8L			**¶97ii3455**
ISC	**II**	**25 03 06 11**±1.7	**45.4N**±.11	**14.96E**±.087	**0**			**9**	**0-2**
LJU	II	25 03 06 11.3	45.4N	14.9E	0				**¶97ii3575**
ISC	**II**	**25 14 12 54**±1.5	**41.2N**±.16	**21.96E**±.098	**14**			**4**	**0-1**
SKO	II	25 14 12 54.4	41.16N	21.99E	14				**¶97ii3636**
ISC		Poorly determined							
ISC	**II**	**26 03 21 29**±1.2	**43.22N**±.092	**19.4E**±.12	**16**			**6**	**0-1**
PDG	II	26 03 21 29.3	43.3N	19.4E	16	2.0L			**¶97ii3736**
ISC	**II**	**26 06 41 31.0**±.17	**44.01N**±.019	**18.17E**±.024	**10**	**3.9b**		**182**	**1-90**
THE	II	26 06 41 29.4	44.3N	17.9E	35	3.7L			**¶97ii3752**
NEIC	II	26 06 41 31.5	44.04N	18.10E	10	3.7b			
ROM	II	26 06 41 32.0	44.1N	18.4E	10	3.8D			
EIDC	II	26 06 41 34.8	44.1N	18.3E	23	3.9L,3.8b			
MOS	II	26 06 41 34.9	44.2N	18.0E	10	4.0b			
PDG	II	26 06 41 35.1	43.9N	18.4E	0	4.1L,4.1D			
NEIC	M_L3.9(ROM), M_L3.7(VIE)								
NEIC	ML 3.4 (BRA). Felt in the Sarajevo area, Bosnia and Herzegovina.								
ISC	**II**	**27 10 18 23.0**±.78	**41.18N**±.066	**21.99E**±.059	**1**±14			**12**	**0-2**
SKO	II	27 10 18 23.0	41.19N	22.01E	26				**¶97ii3944**
THE	II	27 10 18 24.2	41.2N	22.0E	2	2.1L			
ISC	**III**	**02 19 27 55.9**±.63	**42.34N**±.045	**19.60E**±.061	**1**±12			**14**	**0-2**
TIR	III	02 19 27 54.9	42.38N	19.68E	8	2.6L			**¶97iii0386**
PDG	III	02 19 27 56.3	42.3N	19.6E	19	2.8L,2.8D			
LJU	**III**	**02 20 02 26.1**	**45.5N**	**14.4E**	**0**				**¶97iii0394**
ISC	**III**	**03 15 17 05.1**±.88	**43.22N**±.057	**18.95E**±.076	**7**			**17**	**0-4**
PDG	III	03 15 17 05.1	43.3N	18.9E	7	3.0L,3.1D			**¶97iii0624**
ISC	**III**	**03 20 53 24**±1.6	**45.48N**±.092	**14.3E**±.18	**19**			**7**	**0-1**
LJU	III	03 20 53 23.7	45.5N	14.4E	19				**¶97iii0691**
PDG	**III**	**05 22 04 26.0**	**42.4N**	**18.6E**	**13**	**1.8L**			**¶97iii1138**
LJU	**III**	**06 01 06 49.6**	**46.5N**	**14.74E**	**7**				**¶97iii1159**
ISC	**III**	**06 07 04 34**±1.2	**45.85N**±.072	**15.3E**±.14	**13**			**5**	**0-1**
LJU	III	06 07 04 34.8	45.9N	15.2E	13				**¶97iii1220**
LJU	**III**	**06 11 20 58.9**	**46.4N**	**15.3E**	**7**				**¶97iii1259**
ISC	**III**	**06 13 45 43.8**±.69	**45.63N**±.046	**14.45E**±.056	**3**±7.6			**20**	**0-4**
LJU	III	06 13 45 43.9	45.6N	14.4E	13				**¶97iii1281**
ROM	III	06 13 45 45.8	45.5N	14.2E	5	2.8D			
ISC	**III**	**07 07 52 01.2**±.87	**43.02N**±.060	**19.06E**±.072	**13**			**13**	**0-2**
PDG	III	07 07 52 01.3	43.1N	19.0E	13	2.6L			**¶97iii1466**
LJU	**III**	**07 11 35 05.0**	**46.1N**	**15.1E**	**0**				**¶97iii1509**
ISC	**III**	**08 08 26 41.3**±.72	**45.71N**±.060	**14.29E**±.063	**14**			**13**	**0-2**
LJU	III	08 08 26 40.9	45.7N	14.2E	14				**¶97iii1710**
ROM	III	08 08 26 42.1	45.7N	14.2E	10	2.5D			
ISC	**III**	**08 18 53 38.1**±.61	**45.97N**±.037	**15.55E**±.049	**2**±5.6			**48**	**0-6**
NEIC	III	08 18 53 37.5	45.87N	15.71E	10				**¶97iii1814**
LJU	III	08 18 53 38.7	46.0N	15.5E	7				
ZAG	III	08 18 53 39	45.89N	15.51E	12	3.2L			
SZGRF	III	08 18 53 39.5	45.95N	15.67E	10	3.5L			
ROM	III	08 18 53 45.9	45.8N	14.9E	3	3.1D			
NEIC	M_D3.6(LJU), M_L3.4(VIE)								
NEIC	Felt I=IV MM at Brezice and Krsko, Slovenia. Also felt IV MM at Zapresic, Croatia								
LJU	FeltI= V EMS in Gornji Lenart, Arnovo selo, Artice, Trebez, Zgornja Pohanca, Anovec, Dolenja vas, Zdole and Vihre, Slovenia.								
ZAG	Felt in Harmica, Croatia; Dobova, Slovenia								
ISC	**III**	**09 02 23 54**±2.3	**45.3N**±.16	**14.74E**±.088	**13**			**8**	**0-1**
LJU	III	09 02 23 53.7	45.2N	14.8E	13				**¶97iii1891**
ISC	**III**	**10 13 54 34**±1.3	**41.0N**±.10	**21.1E**±.12	**11**			**4**	**0-1**
SKO	III	10 13 54 32.8	40.93N	21.10E	11				**¶97iii2219**
ISC		Poorly determined							
SKO		Felt I=III−IV MSK in Resen region							
ISC	**III**	**12 21 44 48**±1.1	**45.10N**±.076	**14.89E**±.081	**0**			**12**	**0-4**
LJU	III	12 21 44 45.0	44.9N	14.9E	0				**¶97iii2588**
ZAG		Felt I=III MSK Senj (after RIY, PTJ)							
ISC	**III**	**12 23 00 34**±1.1	**45.14N**±.062	**14.90E**±.067	**10**±8.7			**24**	**0-4**
LJU	III	12 23 00 32.3	45.0N	14.9E	8				**¶97iii2603**
ZAG	III	12 23 00 34	45.02N	14.97E	3	2.9L			
ROM	III	12 23 00 37.5	45.0N	14.6E	10	2.9D			
ZAG		Felt I=IV MSK Senj							
LJU	**III**	**13 07 51 44.1**	**45.8N**	**14.7E**	**0**				**¶97iii2667**
LJU	**III**	**13 09 26 08.6**	**45.5N**	**14.5E**	**13**				**¶97iii2678**
LJU	**III**	**13 11 13 05.2**	**46.0N**	**14.28E**	**13**				**¶97iii2688**
ISC	**III**	**13 20 36 53**±6.0	**45.4N**±.40	**14.4E**±.30	**13**±17			**6**	**0-1**
LJU	III	13 20 36 53.8	45.49N	14.5E	16				**¶97iii2761**
ISC		Poorly determined							
ISC	**III**	**14 06 53 55.9**±.73	**45.44N**±.066	**14.61E**±.057	**12**			**23**	**0-6**
LJU	III	14 06 53 55.1	45.5N	14.48E	12				**¶97iii2825**
ZAG	III	14 06 53 56.4	45.53N	14.50E	6	3.0L			
NEIC	III	14 06 53 57.6	45.62N	14.70E	10				
ZAG		Felt in Grobnik and on the Croatia Slovenia border							
NEIC	M_D3.4(LJU), M_L2.9(VIE).Less reliable solution.								
LJU	**III**	**14 07 04 33.0**	**45.5N**	**14.5E**	**7**				**¶97iii2830**
ISC	**III**	**14 07 14 27**±1.0	**45.51N**±.065	**14.47E**±.097	**7**			**8**	**0-1**
LJU	III	14 07 14 27.3	45.5N	14.5E	7				**¶97iii2833**
ISC	**III**	**15 14 13 28**±1.4	**41.2N**±.14	**22.0E**±.14	**21**			**4**	**0-1**
SKO	III	15 14 13 27.7	41.18N	21.98E	21				**¶97iii3064**
ISC		Poorly determined							
ISC	**III**	**15 21 29 57.1**±.83	**44.88N**±.022	**15.73E**±.031	**1**±6.6	3.6b		**133**	**1-40**
MOS	III	15 21 29 44.2	44.3N	17.0E	10	4.0b			**¶97iii3110**
PDG	III	15 21 29 52.3	44.4N	14.8E	0	3.8L			
EIDC	III	15 21 29 56.7	44.8N	15.9E	0	3.9L,3.9b			
NEIC	III	15 21 29 56.8	44.79N	15.78E	10				
ZAG	III	15 21 29 57	44.91N	16.24E	16	4.0L			
LJU	III	15 21 29 57.2	44.8N	15.6E	0				
SZGRF	III	15 21 29 58.0	44.83N	15.93E	10	4.1L			
ROM	III	15 21 29 59.0	44.9N	16.0E	10	3.5D			
LDG	III	15 21 30 00.2	44.8N	15.8E	2	3.7L			
NEIC	M_L4.0(VIE)								
NEIC	ML 3.5 (FUR), 3.3 (LJU)								
ZAG	Felt in Otocac, Gospic and Bihac								
ISC	**III**	**16 07 23 59**±1.2	**44.94N**±.080	**15.8E**±.14	**7**			**9**	**1-4**
LJU	III	16 07 23 58.0	44.9N	15.7E	7				**¶97iii3190**
ISC	**III**	**16 07 38 32.5**±.49	**43.28N**±.035	**19.34E**±.064	**14**			**30**	**0-7**
NEIC	III	16 07 38 30.1	42.59N	18.30E	33				**¶97iii3191**
PDG	III	16 07 38 31.6	43.4N	19.4E	14	3.3L,3.3D			
ROM	III	16 07 38 33.7	43.1N	19.7E	10	3.3D			
NEIC	Less reliable solution.								
LJU	**III**	**18 01 44 44.3**	**45.9N**	**14.7E**	**7**				**¶97iii3469**
LJU	**III**	**18 15 44 19.8**	**45.9N**	**15.1E**	**7**				**¶97iii3560**
ISC	**III**	**18 20 29 41**±1.2	**42.05N**±.096	**21.28E**±.071	**10**			**15**	**0-3**
SKO	III	18 20 29 39.4	42.12N	21.27E	13				**¶97iii3588**
NEIC	III	18 20 29 40.0	42.11N	21.27E	10				
THE	III	18 20 29 42.6	42.0N	21.4E	0	2.3L			
NEIC	M_L2.3(SKO), Single network solution.								
ISC	**III**	**20 17 01 17.6**±.25	**42.20N**±.028	**21.28E**±.030	**10**	3.6b		**89**	**0-37**
NEIC	III	20 17 01 17.0	42.12N	21.20E	10				**¶97iii3925**
SKO	III	20 17 01 17.5	42.22N	21.42E	20				
PDG	III	20 17 01 18.6	42.3N	21.3E	10	3.8D			
LDG	III	20 17 01 19.8	42.5N	21.6E	2	4.0L			
EIDC	III	20 17 01 21.5	42.3N	21.1E	0	3.7L,3.8b			
THE	III	20 17 01 27.6	41.6N	22.0E	0	3.1L			
ATH	III	20 17 01 30.4	41.61N	21.89E	33	3.5D			
NEIC	M_L3.8(SKO)								
NEIC	Felt I=IV Skopje Kumanovo and Tetava (after SKO)								
SKO	Felt I=V MSK at Northern Macedonia								
ISC	**III**	**21 13 19 54**±2.0	**46.2N**±.14	**15.8E**±.25	**23**			**5**	**0-1**
LJU	III	21 13 19 54.2	46.1N	15.7E	23				**¶97iii4075**
ISC	**III**	**22 07 49 25.6**±.79	**42.54N**±.055	**18.63E**±.078	**7**±15			**10**	**0-2**
PDG	III	22 07 49 26.0	42.5N	18.6E	10	1.9L			**¶97iii4225**
LJU	**III**	**22 10 21 29.5**	**46.6N**	**15.3E**	**7**				**¶97iii4247**
SKO	**III**	**22 10 31 24.2**	**41.22N**	**21.98E**	**20**				**¶97iii4250**
ISC	**III**	**22 13 16 38.4**±.82	**42.55N**±.054	**18.61E**±.083	**4**±17			**10**	**0-2**
PDG	III	22 13 16 38.2	42.5N	18.5E	13	2.3L			**¶97iii4267**
ISC	**III**	**22 19 52 58.9**±.87	**42.39N**±.060	**19.82E**±.067	**6**			**10**	**0-1**
PDG	III	22 19 52 59.7	42.4N	19.8E	6	2.3L,2.3D			**¶97iii4308**
ISC	**III**	**24 14 16 15.1**±.76	**41.21N**±.068	**21.99E**±.054	**3**±10			**15**	**0-2**
SKO	III	24 14 16 15.2	41.23N	21.98E	24				**¶97iii4575**
THE	III	24 14 16 16.0	41.2N	22.0E	0	2.1L			
ISC	**III**	**24 21 21 10.0**±.48	**42.02N**±.022	**20.15E**±.026	**7**±4.0	4.0b		**115**	**0-55**
TIR	III	24 21 21 09.2	42.05N	20.24E	27	3.5L			**¶97iii4618**
EIDC	III	24 21 21 09.5	41.9N	20.1E	0	3.7L,3.8b			
NEIC	III	24 21 21 10.9	42.02N	20.14E	10				
ROM	III	24 21 21 11.1	41.9N	20.4E	10	3.7D			
PDG	III	24 21 21 11.2	42.0N	20.2E	10	4.0L,3.8D			
LDG	III	24 21 21 11.7	42.1N	20.5E	2	4.0L			
THE	III	24 21 21 14.4	41.9N	20.5E	2	3.6L			
SOF	III	24 21 21 20.9	42.18N	20.96E	35	3.7D			
TIR		Felt weakly at Department of Kukesi and Dibra							
NEIC	M_L3.5(ROM).								
ISC	**III**	**25 09 52 58.3**±.58	**42.56N**±.044	**18.63E**±.061	**12**			**20**	**0-5**
PDG	III	25 09 52 58.2	42.5N	18.5E	12	3.2L,3.3D			**¶97iii4706**
ISC	**III**	**25 20 51 36**±1.3	**42.44N**±.076	**19.8E**±.10	**9**			**9**	**0-1**
PDG	III	25 20 51 37.1	42.4N	19.8E	9	1.8L			**¶97iii4786**
ISC	**III**	**26 08 23 28**±1.0	**45.49N**±.065	**14.50E**±.092	**11**			**8**	**0-1**
LJU	III	26 08 23 28.2	45.5N	14.5E	11				**¶97iii4863**
LJU	**III**	**26 10 56 04.6**	**46.2N**	**14.7E**	**7**				**¶97iii4936**
LJU	**III**	**27 00 08 13.3**	**45.8N**	**15.2E**	**9**				**¶97iii5098**
ISC	**III**	**27 06 14 44**±4.0	**42.0N**±.25	**21.3E**±.24	**10**			**5**	**0-1**
SKO	III	27 06 14 43.6	42.01N	21.26E	10				**¶97iii5156**
SKO		Felt I=IV MSK Skopje region							
SKO	**III**	**27 08 28 35.6**	**42.00N**	**21.25E**	**10**				**¶97iii5174**
ISC	**III**	**27 10 15 38**±1.0	**41.24N**±.095	**21.89E**±.081	**5**			**5**	**1-1**
SKO	III	27 10 15 38.1	41.14N	21.86E	5				**¶97iii5194**
ISC	**III**	**27 12 37 30**±1.7	**46.3N**±.10	**16.2E**±.12	**0**			**8**	**0-7**
LJU	III	27 12 37 31.0	46.3N	16.1E	0				**¶97iii5227**
LJU	**III**	**27 15 08 56.3**	**46.0N**	**14.3E**	**20**				**¶97iii5252**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**27 21 49 50**±6.4	**45.1N**±.38	**15.5E**±.33	**3**		**4**	**0-1**
LJU	III	27 21 49 47.8	44.9N	15.5E	3			¶97iii5319
ISC		Poorly determined						
LJU	**III**	**28 00 04 01.8**	**45.88N**	**14.7E**	**0**			¶97iii5334
ISC	**III**	**30 01 31 13**±6.4	**44.2N**±.14	**18.5E**±.75	**33**		**9**	**2-6**
								¶97iii5675
ISC	**III**	**30 07 39 47**±1.7	**46.49N**±.074	**14.3E**±.23	**12**		**5**	**1-1**
LJU	III	30 07 39 47.7	46.5N	14.4E	12			¶97iii5720
ISC		Poorly determined						
NEIC		Felt I=III MSK AT Lampichl, Carinthia (after MOA)						
ISC	**III**	**30 12 30 07**±1.2	**45.14N**±.087	**15.7E**±.18	**18**		**7**	**0-4**
LJU	III	30 12 30 05.0	45.0N	15.7E	18			¶97iii5759
LJU	**IV**	**01 09 48 16.0**	**46.0N**	**14.3E**	**7**			¶97iv0050
ISC	**IV**	**01 17 18 39.2**±.81	**43.18N**±.096	**17.69E**±.083	**6**		**14**	**1-3**
PDG	IV	01 17 18 37.8	43.3N	17.6E	6	3.1L		¶97iv0116
ISC	**IV**	**02 01 12 38**±1.3	**41.3N**±.15	**22.0E**±.10	**15**		**4**	**0-1**
SKO	IV	02 01 12 37.4	41.28N	21.98E	15			¶97iv0168
ISC		Poorly determined						
LJU	**IV**	**02 16 34 29.6**	**45.9N**	**14.6E**	**7**			¶97iv0272
LJU		Felt I=IV−V EMS in Podpec, Slovenia						
ISC	**IV**	**04 08 59 15.0**±.67	**42.41N**±.052	**19.52E**±.066	**9**±15		**12**	**0-2**
PDG	IV	04 08 59 15.0	42.4N	19.6E	18	2.1L,2.1D		¶97iv0580
ISC	**IV**	**04 11 16 00.8**±.89	**45.92N**±.069	**15.16E**±.087	**10**		**6**	**0-1**
LJU	IV	04 11 16 01.0	45.9N	15.2E	10			¶97iv0603
ISC	**IV**	**04 17 30 10.0**±.89	**45.92N**±.069	**15.16E**±.088	**12**		**6**	**0-1**
LJU	IV	04 17 30 10.3	45.92N	15.2E	12			¶97iv0638
SKO	**IV**	**05 09 08 08.6**	**41.24N**	**21.95E**	**24**			¶97iv0741
ISC	**IV**	**05 19 27 42**±5.4	**45.1N**±.39	**14.6E**±.18	**19**		**6**	**0-1**
LJU	IV	05 19 27 42.2	45.2N	14.8E	19			¶97iv0836
ZAG		Felt in Rijeka, Crikvenica Croatia (after RIY;PTJ)						
LJU	**IV**	**07 10 49 18.4**	**46.0N**	**14.26E**	**8**			¶97iv1144
ISC	**IV**	**07 10 54 04**±1.6	**43.41N**±.039	**16.10E**±.046	**7**±13		**62**	**0-10**
NEIC	IV	07 10 54 01.0	43.72N	16.49E	10			¶97iv1145
LDG	IV	07 10 54 05.7	43.6N	16.3E		3.6L		
PDG	IV	07 10 54 08.0	43.2N	16.5E	9	3.5L		
NEIC		M_L3.6(VIE). Less reliable solution.						
ZAG		Felt in Split region Croatia (after HVAR)						
LJU	**IV**	**08 11 00 05.3**	**46.0N**	**14.9E**	**0**			¶97iv1322
ISC	**IV**	**08 11 45 15**±1.1	**41.92N**±.086	**21.51E**±.086	**14**		**8**	**0-1**
SKO	IV	08 11 45 15.1	41.99N	21.54E	14			¶97iv1327
THE	IV	08 11 45 17.6	41.9N	21.6E	10			
ISC	**IV**	**08 14 00 29**±4.3	**45.3N**±.31	**14.6E**±.13	**0**		**4**	**0-1**
LJU	IV	08 14 00 25.8	45.1N	14.6E	0			¶97iv1341
ISC		Poorly determined						
LJU	**IV**	**08 20 14 03.4**	**46.4N**	**15.1E**	**7**			¶97iv1397
ISC	**IV**	**08 22 30 20**±1.9	**45.8N**±.17	**14.2E**±.21	**16**		**4**	**0-1**
LJU	IV	08 22 30 19.5	45.7N	14.2E	16			¶97iv1420
ISC		Poorly determined						
LJU	**IV**	**09 12 22 49.6**	**45.4N**	**15.69E**	**0**			¶97iv1515
LJU	**IV**	**09 13 43 30.4**	**46.1N**	**14.11E**	**7**			¶97iv1522
LJU	**IV**	**09 15 56 24.4**	**46.7N**	**15.18E**	**5**			¶97iv1546
ISC	**IV**	**10 00 37 46**±1.3	**46.45N**±.070	**15.0E**±.16	**0**		**6**	**0-1**
LJU	IV	10 00 37 46.2	46.4N	15.1E	0			¶97iv1606
ISC	**IV**	**10 05 52 59.1**±.95	**42.96N**±.075	**18.44E**±.096	**20**		**18**	**0-3**
PDG	IV	10 05 52 58.7	42.9N	18.4E	20	2.9L,3.0D		¶97iv1640
LJU	**IV**	**10 11 09 29.0**	**46.4N**	**15.4E**	**0**			¶97iv1681
ISC	**IV**	**11 01 56 24.6**±.58	**43.22N**±.045	**19.05E**±.056	**10**		**23**	**0-5**
PDG	IV	11 01 56 24.2	43.3N	18.9E	10	3.0L,3.0D		¶97iv1780
ISC	**IV**	**11 02 01 56.7**±.92	**43.24N**±.059	**18.99E**±.077	**10**		**14**	**0-3**
PDG	IV	11 02 01 56.7	43.3N	18.9E	10	2.6L		¶97iv1781
ISC	**IV**	**11 04 34 52**±1.1	**42.87N**±.072	**21.7E**±.11	**0**		**13**	**1-3**
								¶97iv1806
ISC	**IV**	**14 02 05 34**±1.4	**46.0N**±.17	**14.1E**±.14	**19**		**6**	**0-1**
LJU	IV	14 02 05 33.1	46.1N	14.1E	19			¶97iv2367
ISC	**IV**	**14 10 46 01.6**±.80	**46.01N**±.070	**14.96E**±.071	**0**		**7**	**0-1**
LJU	IV	14 10 46 01.7	45.99N	15.0E	0			¶97iv2441
ISC	**IV**	**14 11 53 07.5**±.81	**46.04N**±.069	**15.19E**±.077	**13**		**7**	**0-1**
LJU	IV	14 11 53 07.5	46.05N	15.21E	13			¶97iv2455
ISC	**IV**	**14 18 24 36**±1.1	**46.06N**±.095	**14.7E**±.14	**20**		**5**	**0-1**
LJU	IV	14 18 24 35.7	46.1N	14.7E	20			¶97iv2496
LJU	**IV**	**15 12 22 02.6**	**45.7N**	**15.61E**	**16**			¶97iv2601
LJU	**IV**	**16 05 41 08.5**	**45.4N**	**14.2E**	**0**			¶97iv2704
ISC	**IV**	**17 12 16 24.8**±.70	**43.29N**±.023	**18.91E**±.027	**0**±5.7	**3.9b**,3.3s	**132**	**0-91**
MOS	IV	17 12 16 26.0	43.3N	18.9E	10	4.0b		¶97iv2895
NEIC	IV	17 12 16 26.0	43.31N	18.90E	10	4.0b		
PDG	IV	17 12 16 26.1	43.3N	18.9E	10	4.1L,4.1D		
LDG	IV	17 12 16 28.2	43.3N	19.0E		4.3L		
EIDC	IV	17 12 16 30.8	43.3N	18.8E	31	3.6b,4.0L		
ISC	**IV**	**17 12 45 30**±1.3	**46.0N**±.13	**14.75E**±.093	**0**		**5**	**0-1**
LJU	IV	17 12 45 32.4	45.9N	14.63E	0			¶97iv2900
ISC	**IV**	**18 04 57 24.7**±.80	**43.10N**±.056	**18.74E**±.066	**10**		**17**	**0-3**
PDG	IV	18 04 57 23.8	43.2N	18.6E	10	3.0L,3.1D		¶97iv3020
ISC	**IV**	**18 08 44 54.3**±.58	**43.21N**±.041	**18.99E**±.062	**10**		**19**	**0-4**
PDG	IV	18 08 44 54.3	43.3N	18.9E	10	3.0L,3.1D		¶97iv3044
ISC	**IV**	**18 09 08 16**±1.1	**43.21N**±.074	**19.00E**±.079	**10**		**10**	**0-2**
PDG	IV	18 09 08 15.7	43.3N	18.9E	10	2.3L,2.4D		¶97iv3049
ISC	**IV**	**18 10 14 24.8**±.71	**43.23N**±.048	**18.99E**±.066	**1**		**18**	**0-4**
PDG	IV	18 10 14 25.5	43.3N	18.9E	1	2.8L,3.0D		¶97iv3059
ISC	**IV**	**18 12 03 54.2**±.93	**46.15N**±.090	**14.76E**±.088	**0**		**7**	**0-1**
LJU	IV	18 12 03 54.1	46.1N	14.8E	0			¶97iv3069
ISC	**IV**	**19 14 08 17**±1.4	**43.06N**±.081	**18.88E**±.094	**0**±24		**10**	**0-2**
PDG	IV	19 14 08 18.1	43.1N	18.9E	1	2.3L		¶97iv3205
ISC	**IV**	**19 21 34 06**±1.1	**42.72N**±.064	**18.26E**±.093	**10**		**10**	**0-1**
PDG	IV	19 21 34 06.4	42.7N	18.2E	10	2.5L		¶97iv3237
ISC	**IV**	**21 08 55 40.3**±.99	**42.49N**±.068	**19.22E**±.086	**18**±19		**9**	**0-1**
PDG	IV	21 08 55 40.4	42.5N	19.2E	19	1.4L		¶97iv3434
ISC	**IV**	**22 01 25 44**±3.2	**42.8N**±.11	**18.4E**±.30	**19**		**9**	**0-1**
PDG	IV	22 01 25 44.6	42.8N	18.4E	19	2.3L		¶97iv3616
ISC	**IV**	**23 05 53 36**±3.8	**45.2N**±.27	**15.2E**±.17	**20**		**8**	**0-1**
LJU	IV	23 05 53 36.2	45.3N	15.15E	20			¶97iv3904
ISC	**IV**	**23 06 44 57**±1.1	**45.87N**±.071	**15.1E**±.11	**0**		**6**	**0-1**
NEIC	IV	23 06 44 54.0	45.64N	15.26E	10			¶97iv3907
LJU	IV	23 06 44 57.5	45.9N	15.1E	0			
NEIC		M_L1.7(LJU), Single network solution.						
ISC	**IV**	**23 14 42 07**±1.2	**43.22N**±.075	**18.99E**±.078	**0**		**10**	**0-2**
PDG	IV	23 14 42 07.9	43.3N	19.0E	0	2.3L		¶97iv3976
ISC	**IV**	**23 21 13 56.9**±.93	**42.77N**±.061	**18.13E**±.088	**7**		**16**	**0-4**
PDG	IV	23 21 13 54.2	42.8N	17.9E	7	2.8L		¶97iv4028
LJU	**IV**	**24 07 08 17.8**	**45.3N**	**16.0E**	**1**			¶97iv4098
ISC	**IV**	**24 23 58 08**±1.0	**46.06N**±.078	**14.9E**±.11	**10**		**5**	**0-1**
NEIC	IV	24 23 58 07.5	46.04N	14.96E	10			¶97iv4238
LJU	IV	24 23 58 07.8	46.1N	14.9E	6			
NEIC		Single network solution.						
ISC	**IV**	**25 04 10 01**±1.0	**46.06N**±.079	**14.8E**±.10	**0**		**5**	**0-1**
LJU	IV	25 04 10 00.8	46.0N	14.8E	0			¶97iv4278
ISC	**IV**	**25 15 56 24**±1.5	**45.4N**±.11	**14.59E**±.087	**12**		**7**	**0-1**
LJU	IV	25 15 56 24.0	45.3N	14.58E	12			¶97iv4377
ISC	**IV**	**25 19 00 41.1**±.93	**42.34N**±.068	**18.97E**±.094	**10**		**6**	**0-1**
PDG	IV	25 19 00 41.6	42.3N	19.0E	10	1.4L		¶97iv4399
ISC	**IV**	**26 11 11 53**±1.2	**46.78N**±.073	**15.0E**±.18	**11**±17		**8**	**0-3**
LJU	IV	26 11 11 55.4	46.6N	15.1E	6			¶97iv4536
ISC	**IV**	**26 22 27 56**±2.1	**42.35N**±.074	**18.97E**±.083	**13**±29		**9**	**0-1**
PDG	IV	26 22 27 56.9	42.3N	19.0E	6	1.9L,2.1D		¶97iv4613
ISC	**IV**	**28 02 59 29**±13	**42.2N**±.95	**21.5E**±.34	**16**		**5**	**0-1**
SKO	IV	28 02 59 31.0	41.99N	21.56E	16			¶97iv4834
ISC	**IV**	**28 15 19 58**±1.2	**42.10N**±.083	**19.3E**±.11	**19**		**9**	**0-1**
PDG	IV	28 15 19 57.9	42.1N	19.3E	19	1.8L		¶97iv4947
LJU	**IV**	**29 10 24 25.3**	**45.6N**	**14.0E**	**0**			¶97iv5061
ISC	**IV**	**29 20 30 32**±1.7	**43.1N**±.11	**18.9E**±.12	**15**		**6**	**0-1**
PDG	IV	29 20 30 32.2	43.1N	18.8E	15	1.6L		¶97iv5117
ISC	**IV**	**30 00 59 41**±1.9	**42.35N**±.074	**18.98E**±.079	**7**±49		**8**	**0-1**
PDG	IV	30 00 59 41.5	42.3N	19.0E	6	1.3L		¶97iv5140
ISC	**IV**	**30 18 50 45**±1.7	**43.1N**±.11	**18.9E**±.14	**17**		**8**	**0-1**
PDG	IV	30 18 50 45.1	43.1N	18.9E	17	1.7L		¶97iv5246
ISC	**IV**	**30 19 18 19.3**±.58	**45.91N**±.026	**16.12E**±.038	**20**±5.7	3.7b	**124**	**0-41**
NEIC	IV	30 19 18 18.1	45.90N	16.14E	10			¶97iv5251
LJU	IV	30 19 18 18.4	45.9N	16.2E	16			
LDG	IV	30 19 18 19.2	46.0N	16.2E		3.6L		
EIDC	IV	30 19 18 19.3	46.0N	16.2E	0	3.9L,3.9b		
STR	IV	30 19 18 24.8	46.90N	15.49E	2	4.1L		
NEIC		M_L3.8(ZAG), M_L3.6(VIE)						
NEIC		ML 3.5 (ROM). Felt I=VI MM at Kasina, Croatia.						
LJU		Felt I=IV EMS in Koritno, Slovenia						
ISC	**IV**	**30 19 21 00**±6.2	**45.2N**±.38	**15.6E**±.22	**5**		**7**	**0-1**
LJU	IV	30 19 20 55.2	44.9N	15.6E	5			¶97iv5252
ISC	**IV**	**30 23 36 16**±1.3	**43.26N**±.084	**18.40E**±.079	**8**		**12**	**0-3**
PDG	IV	30 23 36 16.8	43.3N	18.4E	8	2.3L		¶97iv5284
LJU	**V**	**01 01 07 20.7**	**45.92N**	**16.2E**	**7**			¶97v0007
LJU	**V**	**01 10 43 33.4**	**45.5N**	**16.0E**	**31**			¶97v0081
ISC	**V**	**02 13 32 19**±1.5	**45.4N**±.13	**14.73E**±.068	**14**		**16**	**0-3**
ZAG	V	02 13 32 16	45.26N	14.62E	14			¶97v0273
LJU	V	02 13 32 16.4	45.3N	14.6E	7			
ROM	V	02 13 32 16.6	45.3N	14.6E	5	2.9D		
ZAG		Felt in the Crikvenica region (after RIY)						
ISC	**V**	**02 19 01 46.9**±.67	**42.94N**±.061	**18.21E**±.072	**12**		**16**	**0-6**
PDG	V	02 19 01 46.7	43.0N	18.1E	12	2.6L		¶97v0314
ISC	**V**	**03 22 28 44**±1.9	**42.34N**±.072	**18.98E**±.079	**9**±37		**9**	**0-1**
PDG	V	03 22 28 43.6	42.3N	19.0E	6	1.5L		¶97v0505
ISC	**V**	**04 12 46 47**±1.3	**42.3N**±.10	**18.5E**±.11	**19**		**10**	**0-2**
PDG	V	04 12 46 46.4	42.3N	18.5E	19	2.3L		¶97v0639
ISC	**V**	**05 15 28 21**±1.0	**42.79N**±.069	**19.05E**±.091	**18**±18		**9**	**0-1**
PDG	V	05 15 28 21.3	42.8N	19.1E	20	1.7L		¶97v0802
LJU	**V**	**06 02 29 08.3**	**46.3N**	**15.0E**	**8**			¶97v0890
ISC	**V**	**06 13 27 05.5**±.67	**42.62N**±.049	**19.10E**±.070	**4**±16		**10**	**0-2**
PDG	V	06 13 27 05.5	42.6N	19.1E	19	2.6L,2.8D		¶97v0971
ISC	**V**	**06 15 26 08**±2.1	**42.35N**±.076	**18.96E**±.089	**11**±34		**8**	**0-1**
PDG	V	06 15 26 08.8	42.3N	18.9E	4	2.1L		¶97v0981
ISC	**V**	**07 08 04 48.0**±.93	**42.03N**±.063	**19.36E**±.069	**14**		**12**	**0-1**
PDG	V	07 08 04 48.7	42.0N	19.4E	14	1.9L		¶97v1065
SKO	**V**	**07 12 22 23.3**	**41.42N**	**22.10E**	**10**			¶97v1101
ISC	**V**	**08 15 24 09**±3.9	**45.5N**±.24	**15.6E**±.22	**1**		**6**	**0-1**
LJU	V	08 15 24 11.4	45.7N	15.5E	1			¶97v1267
ISC	**V**	**09 10 35 36**±1.1	**45.92N**±.070	**15.5E**±.14	**5**		**5**	**0-3**
LJU	V	09 10 35 36.9	46.0N	15.6E	5			¶97v1409
ISC	**V**	**09 19 24 29.3**±.71	**42.37N**±.052	**18.97E**±.069	**12**±9.6		**12**	**0-1**
PDG	V	09 19 24 30.8	42.3N	19.0E	0	2.5D		¶97v1474
ISC	**V**	**09 20 12 52**±1.0	**46.02N**±.079	**14.38E**±.097	**10**		**6**	**0-1**
LJU	V	09 20 12 51.5	46.0N	14.4E	12			¶97v1482
NEIC	V	09 20 12 51.7	46.01N	14.35E	10			
NEIC		M_L1.8(LJU), Single network solution.						
ISC	**V**	**10 14 02 33.0**±.75	**41.24N**±.065	**21.97E**±.059	**6**		**11**	**0-2**
SKO	V	10 14 02 33.0	41.20N	21.96E	26			¶97v1610
THE	V	10 14 02 34.2	41.2N	22.0E	6	2.1L		
LJU	**V**	**12 07 26 57.8**	**46.0N**	**16.2E**	**0**			¶97v1915
ISC	**V**	**12 15 39 22**±1.2	**46.09N**±.084	**14.5E**±.10	**11**±14		**7**	**0-1**
NEIC	V	12 15 39 22.2	46.09N	14.45E	10			¶97v1998
LJU	V	12 15 39 22.3	46.1N	14.47E	12			
NEIC		M_L1.9(LJU), Single network solution.						
SKO	**V**	**12 17 15 42.0**	**41.03N**	**21.18E**	**23**			¶97v2015
ISC	**V**	**12 23 18 56**±1.1	**45.93N**±.053	**16.12E**±.097	**7**±7.3		**21**	**0-6**
NEIC	V	12 23 18 55.8	45.91N	16.15E	10			¶97v2071
NEIC		M_L2.6(VIE). Less reliable solution.						
ZAG		Felt in Kasina region						
ISC	**V**	**13 03 44 22.5**±.79	**42.35N**±.057	**18.99E**±.068	**8**		**9**	**0-1**
PDG	V	13 03 44 23.2	42.3N	19.0E	8	1.7L		¶97v2119
ISC	**V**	**13 05 23 06.8**±.97	**43.17N**±.080	**21.2E**±.20	**33**		**8**	**1-3**
								¶97v2133
ISC	**V**	**13 11 39 47**±2.4	**46.2N**±.10	**15.9E**±.20	**0**		**6**	**0-1**
LJU	V	13 11 39 45.7	46.3N	16.0E	0			¶97v2238
SKO	**V**	**13 11 45 50.1**	**41.38N**	**22.26E**	**12**			¶97v2242
LJU	**V**	**13 12 10 18.8**	**46.0N**	**15.6E**	**0**			¶97v2246
ISC	**V**	**14 04 42 44**±1.1	**44.01N**±.096	**19.3E**±.17	**33**		**6**	**1-3**
								¶97v2392
SKO	**V**	**14 17 01 49.1**	**41.17N**	**21.18E**	**10**			¶97v2489
ISC	**V**	**14 23 41 43**±2.0	**41.7N**±.13	**22.8E**±.12	**3**±13		**9**	**0-2**
THE	V	14 23 41 42.3	41.8N	22.7E	2	2.9L		¶97v2524
ISC	**V**	**15 02 38 09**±1.5	**42.65N**±.063	**18.8E**±.10	**19**±38		**9**	**0-1**
PDG	V	15 02 38 08.5	42.7N	18.8E	23	1.8L		¶97v2548
ISC	**V**	**15 04 03 17**±12	**41.8N**±.67	**22.9E**±.25	**0**		**5**	**1-2**
THE	V	15 04 03 19.7	41.8N	22.8E	0	2.4L		¶97v2560
ISC	**V**	**15 13 23 11**±11	**46.3N**±.44	**16.1E**±.66	**6**±27		**7**	**0-2**
LJU	V	15 13 23 11.9	46.2N	16.1E	0			¶97v2624
SKO	**V**	**15 14 20 32.5**	**42.04N**	**21.12E**	**16**			¶97v2631
ISC	**V**	**15 17 04 49**±5.0	**45.9N**±.12	**16.0E**±.40	**9**±30		**5**	**0-1**
LJU	V	15 17 04 49.5	45.9N	16.0E	9			¶97v2651
ISC		Poorly determined						
ZAG		Felt Kasina region (after PTJ)						
ISC	**V**	**16 03 00 26**±8.3	**45.9N**±.10	**16.3E**±.65	**7**		**8**	**0-1**
LJU	V	16 03 00 27.2	45.9N	16.2E	7			¶97v2717

ISC	**V**	**16 03 11 58**±2.3	**42.38N**±.078	**18.95E**±.091	**12**±35		**7 0-1**	
PDG	V	16 03 11 58.7	42.4N	19.0E	8	1.3L		¶97v2719
LJU	**V**	**16 10 13 31.7**	**45.7N**	**14.8E**	**0**			¶97v2755
ISC	**V**	**16 17 59 07**±2.9	**46.2N**±.10	**16.0E**±.23	**0**		**7 0-1**	
LJU	V	16 17 59 05.9	46.2N	16.1E	0			¶97v2817
ISC	**V**	**17 00 52 33.9**±.82	**42.33N**±.059	**18.95E**±.070	**9**		**9 0-1**	
PDG	V	17 00 52 34.5	42.3N	18.9E	9	1.8L		¶97v2857
ISC	**V**	**17 03 15 26.1**±.77	**42.37N**±.056	**18.97E**±.069	**9**		**9 0-1**	
PDG	V	17 03 15 26.8	42.4N	19.0E	9	1.8L		¶97v2876
ISC	**V**	**17 07 25 59**±2.2	**42.34N**±.081	**18.98E**±.090	**13**±32		**7 0-1**	
PDG	V	17 07 25 59.7	42.3N	19.0E	4	1.4L		¶97v2895
ISC	**V**	**17 12 50 20**±7.6	**46.2N**±.13	**15.9E**±.67	**0**		**4 0-1**	
LJU	V	17 12 50 19.9	46.2N	16.0E	0			¶97v2929
ISC	Poorly determined							
ISC	**V**	**17 13 14 20.1**±.83	**41.18N**±.072	**21.94E**±.068	**3**		**7 0-1**	
THE	V	17 13 14 19.5	41.3N	21.9E	3	1.9L		¶97v2935
ISC	**V**	**18 02 57 14**±7.5	**45.9N**±.10	**16.2E**±.62	**12**		**7 0-1**	
LJU	V	18 02 57 14.9	45.9N	16.2E	12			¶97v3020
ISC	**V**	**18 08 53 52**±2.3	**42.35N**±.080	**18.97E**±.093	**14**±31		**7 0-1**	
PDG	V	18 08 53 53.4	42.3N	19.0E	5	1.9L,2.1D		¶97v3056
ISC	**V**	**19 13 14 55.7**±.98	**41.14N**±.083	**22.02E**±.079	**1**±22		**8 0-2**	
THE	V	19 13 14 55.7	41.2N	22.0E	0	1.8L		¶97v3257
LJU	**V**	**19 16 14 08.1**	**46.0N**	**14.3E**	**19**			¶97v3277
ISC	**V**	**20 05 11 18**±1.2	**42.41N**±.080	**19.27E**±.092	**21**±19		**8 0-1**	
PDG	V	20 05 11 18.6	42.4N	19.3E	21	1.7L		¶97v3361
LJU	**V**	**20 05 37 01.9**	**45.7N**	**14.1E**	**7**			¶97v3364
ISC	**V**	**20 10 31 07**±1.1	**45.66N**±.081	**14.2E**±.11	**22**		**9 0-2**	
LJU	V	20 10 31 05.8	45.7N	14.2E	22			¶97v3390
ISC	**V**	**21 04 18 31**±2.1	**42.35N**±.075	**18.96E**±.085	**15**±28		**9 0-1**	
PDG	V	21 04 18 31.7	42.3N	19.0E	8	1.6L		¶97v3509
ISC	**V**	**21 17 33 29**±2.8	**46.2N**±.11	**15.9E**±.22	**4**±18		**9 0-3**	
LJU	V	21 17 33 28.3	46.2N	16.0E	0			¶97v3588
ISC	**V**	**22 19 17 39**±1.2	**45.9N**±.11	**15.0E**±.11	**6**		**4 0-0**	
LJU	V	22 19 17 39.3	46.0N	14.9E	6			¶97v3821
ISC	Poorly determined							
ISC	**V**	**23 13 18 49**±2.1	**41.2N**±.15	**22.0E**±.12	**7**		**6 0-1**	
THE	V	23 13 18 49.7	41.2N	22.0E	7	2.1L		¶97v3956
LJU	**V**	**24 13 04 38.4**	**45.36N**	**16.3E**	**17**			¶97v4108
ISC	**V**	**24 13 12 17.0**±.80	**41.22N**±.071	**21.97E**±.063	**0**		**8 0-1**	
THE	V	24 13 12 17.8	41.2N	22.0E	0	1.6L		¶97v4110
LJU	**V**	**25 08 28 14.4**	**45.3N**	**16.4E**	**0**			¶97v4244
LJU	**V**	**25 20 12 21.7**	**45.2N**	**15.1E**	**0**			¶97v4319
ISC	**V**	**26 07 56 46**±1.0	**45.90N**±.057	**16.2E**±.12	**18**		**22 0-6**	
LJU	V	26 07 56 43.5	45.9N	16.2E	0			¶97v4387
ZAG	V	26 07 56 44	45.79N	16.20E	18			
ZAG	Felt Kasina region							
LJU	**V**	**26 15 34 14.6**	**45.5N**	**14.1E**	**0**			¶97v4432
ISC	**V**	**26 19 46 28.9**±.72	**43.76N**±.044	**19.11E**±.077	**9**		**15 0-4**	
PDG	V	26 19 46 29.2	43.8N	19.2E	9	2.8L		¶97v4459
ISC	**V**	**26 23 38 56.9**±.19	**43.30N**±.021	**17.52E**±.026	**10**	**3.8b**	**140 1-90**	
NEIC	V	26 23 38 55.4	43.24N	17.54E	10	3.7b		¶97v4488
PDG	V	26 23 38 55.5	43.3N	17.5E	5	4.0L,4.0D		
LDG	V	26 23 38 57.8	43.5N	17.7E		3.9L		
THE	V	26 23 39 02.7	42.9N	17.6E	10	3.8L		
EIDC	V	26 23 39 02.8	43.4N	17.6E	47	3.6b,3.9L		
ZAG	Felt in Mostar region, Bosnia and Herzegovina (after HVAR)							
ISC	**V**	**28 08 48 49**±2.4	**42.2N**±.10	**18.7E**±.18	**10**		**7 0-1**	
PDG	V	28 08 48 50.7	42.3N	18.7E	10	1.7L		¶97v4686
LJU	**V**	**28 11 46 04.6**	**45.30N**	**14.6E**	**0**			¶97v4710
ISC	**V**	**29 05 16 17.9**±.67	**42.76N**±.071	**18.01E**±.071	**15**		**24 0-7**	
PDG	V	29 05 16 16.9	42.9N	17.9E	15	3.3L,3.3D		¶97v4824
ROM	V	29 05 16 43.0	41.4N	16.3E	9	3.0D		
ISC	**V**	**30 08 44 25**±1.0	**42.81N**±.083	**18.11E**±.098	**14**		**12 0-4**	
PDG	V	30 08 44 24.0	42.9N	17.9E	14	2.6L		¶97v5008
ISC	**V**	**31 00 43 21**±2.8	**46.5N**±.15	**14.7E**±.23	**0**		**5 0-1**	
LJU	V	31 00 43 21.1	46.5N	14.7E	0			¶97v5124
ISC	**V**	**31 17 49 54.3**±.33	**44.57N**±.033	**17.33E**±.054	**9**		**47 2-10**	
PDG	V	31 17 49 56.0	44.4N	17.4E	9	3.3L		¶97v5213
ISC	**VI**	**01 11 17 28**±1.3	**45.9N**±.11	**15.9E**±.17	**11**		**4 0-1**	
LJU	VI	01 11 17 28.2	45.9N	15.89E	11			¶97vi0067
ISC	Poorly determined							
ISC	**VI**	**01 19 06 12.5**±.44	**42.84N**±.057	**18.06E**±.056	**11**		**28 0-7**	
PDG	VI	01 19 06 10.6	42.9N	17.8E	11	3.0L		¶97vi0124
ROM	VI	01 19 06 20.4	42.9N	17.3E	10	2.6D		
ISC	**VI**	**02 02 37 02**±1.4	**46.45N**±.079	**14.2E**±.16	**4**		**6 0-1**	
LJU	VI	02 02 37 01.9	46.5N	14.24E	4			¶97vi0167
ISC	Poorly determined							
THE	**VI**	**02 18 31 56.8**	**41.3N**	**23.0E**	**13**	**1.9L**		¶97vi0279
ISC	**VI**	**02 21 08 30**±1.1	**46.04N**±.095	**14.3E**±.11	**16**		**6 0-1**	
LJU	VI	02 21 08 30.0	46.1N	14.3E	16			¶97vi0326
LJU	**VI**	**02 21 38 22.7**	**45.2N**	**14.6E**	**9**			¶97vi0336
ISC	**VI**	**03 03 37 07**±1.4	**43.75N**±.054	**16.5E**±.19	**10**		**12 1-4**	
ROM	VI	03 03 37 12.7	43.7N	16.1E	10	3.1D		¶97vi0379
ISC	**VI**	**03 09 11 25.4**±.76	**42.26N**±.048	**19.92E**±.074	**1**		**11 0-2**	
TIR	VI	03 09 11 24.3	42.29N	20.02E	1	2.5L		¶97vi0413
PDG	VI	03 09 11 25.2	42.3N	20.0E	21	2.6L		
ISC	**VI**	**03 15 29 24.6**±.96	**41.22N**±.075	**21.97E**±.082	**6**±15		**9 0-2**	
THE	VI	03 15 29 25.4	41.2N	22.0E	1	1.8L		¶97vi0478
ISC	**VI**	**03 21 03 14.7**±.96	**43.38N**±.061	**19.8E**±.10	**15**		**12 1-2**	
PDG	VI	03 21 03 15.6	43.3N	19.9E	15	2.3L		¶97vi0513
ISC	**VI**	**03 22 00 56.8**±.90	**43.22N**±.057	**19.73E**±.076	**10**		**15 0-3**	
PDG	VI	03 22 00 55.1	43.4N	19.9E	10	2.1L		¶97vi0523
LJU	**VI**	**04 02 48 15.2**	**46.4N**	**15.2E**	**7**			¶97vi0546
ISC	**VI**	**04 02 54 51**±3.7	**45.3N**±.24	**14.5E**±.14	**6**±16		**7 0-1**	
LJU	VI	04 02 54 50.1	45.2N	14.5E	12			¶97vi0547
ZAG	Felt in Rijeka (after RIY)							
ISC	**VI**	**04 03 17 21**±1.7	**45.3N**±.13	**14.59E**±.074	**5**		**11 0-3**	
LJU	VI	04 03 17 19.9	45.2N	14.6E	5			¶97vi0552
ZAG	Felt in Rijeka (after RIY)							
ISC	**VI**	**04 04 49 00**±1.9	**45.3N**±.13	**14.54E**±.078	**1**		**8 0-1**	
LJU	VI	04 04 48 59.9	45.3N	14.6E	1			¶97vi0558
ZAG	Felt in Rijeka (after RIY)							
ISC	**VI**	**04 06 07 34.0**±.63	**43.36N**±.042	**19.77E**±.070	**10**		**23 0-7**	
PDG	VI	04 06 07 35.2	43.3N	19.9E	10	3.1L,3.1D		¶97vi0564
LJU	**VI**	**04 07 34 13.2**	**45.21N**	**14.56E**	**1**			¶97vi0576
ISC	**VI**	**04 08 09 27.9**±.68	**43.30N**±.045	**19.67E**±.072	**8**		**18 0-5**	
PDG	VI	04 08 09 28.4	43.3N	19.9E	8	2.8L		¶97vi0579
ISC	**VI**	**04 10 44 33**±1.7	**41.2N**±.12	**21.2E**±.10	**0**±17		**7 0-2**	
THE	VI	04 10 44 35.9	41.1N	21.3E	4	2.2L		¶97vi0602
ISC	**VI**	**07 07 26 04.9**±.98	**42.79N**±.081	**19.50E**±.067	**0**		**8 0-1**	
PDG	VI	07 07 26 05.6	42.8N	19.5E				¶97vi1061
PDG	Explosion							
ISC	**VI**	**07 16 20 46.6**±.78	**43.13N**±.079	**18.0E**±.13	**0**		**11 1-5**	
								¶97vi1118
ISC	**VI**	**08 07 04 18.3**±.84	**42.85N**±.068	**18.17E**±.081	**10**		**13 0-4**	
PDG	VI	08 07 04 16.0	42.8N	17.9E	10	2.3L		¶97vi1190
SKO	**VI**	**08 12 29 46.7**	**41.92N**	**21.56E**	**3**			¶97vi1236
ISC	**VI**	**11 09 53 08**±2.0	**41.82N**±.079	**22.8E**±.29	**33**		**8 0-2**	
								¶97vi1660
ISC	**VI**	**11 11 10 18.7**±.95	**42.85N**±.083	**18.53E**±.095	**17**		**9 0-2**	
PDG	VI	11 11 10 18.4	42.9N	18.5E	17	2.1L		¶97vi1677
LJU	**VI**	**12 11 33 23.7**	**46.4N**	**15.71E**	**7**			¶97vi1833
ISC	**VI**	**12 12 05 24**±1.4	**46.62N**±.074	**15.2E**±.23	**0**		**5 0-1**	
LJU	VI	12 12 05 23.9	46.6N	15.2E	0			¶97vi1841
LJU	**VI**	**13 11 32 17.7**	**46.2N**	**15.8E**	**7**			¶97vi1979
ISC	**VI**	**13 12 33 13**±1.6	**41.7N**±.14	**22.4E**±.15	**6**±20		**7 0-1**	
SKO	VI	13 12 33 13.7	41.65N	22.32E	7			¶97vi1987
THE	VI	13 12 33 15.9	41.6N	22.3E	18	2.3L		
ISC	**VI**	**14 03 19 23.5**±.99	**42.84N**±.088	**18.5E**±.10	**17**±14		**9 0-2**	
PDG	VI	14 03 19 22.5	42.9N	18.5E	24	2.1L		¶97vi2081
ISC	**VI**	**15 12 25 40**±1.0	**45.8N**±.14	**15.59E**±.097	**9**±18		**7 0-1**	
LJU	VI	15 12 25 40.2	45.9N	15.6E	5			¶97vi2292
ISC	**VI**	**16 15 05 58**±1.1	**43.54N**±.067	**19.5E**±.12	**10**		**10 1-3**	
PDG	VI	16 15 05 57.1	43.6N	19.6E	10	2.3L		¶97vi2485
ISC	**VI**	**16 22 09 04.4**±.99	**43.05N**±.072	**19.69E**±.071	**15**		**21 0-5**	
PDG	VI	16 22 09 01.0	43.3N	19.8E	15	2.6L		¶97vi2515
ISC	**VI**	**17 05 22 36.8**±.95	**43.03N**±.065	**19.67E**±.076	**10**		**12 0-2**	
PDG	VI	17 05 22 32.7	43.3N	19.9E	10	2.6L		¶97vi2557
ISC	**VI**	**17 12 15 44.8**±.82	**41.65N**±.077	**22.28E**±.070	**14**		**9 0-6**	
SKO	VI	17 12 15 45.0	41.66N	22.31E	14			¶97vi2622
LJU	**VI**	**17 12 48 25.4**	**46.1N**	**16.5E**	**4**			¶97vi2633
ISC	**VI**	**18 09 26 56.6**±.88	**41.2N**±.10	**22.00E**±.083	**24**		**6 0-1**	
SKO	VI	18 09 26 56.3	41.23N	21.98E	24			¶97vi2770
THE	VI	18 09 26 56.5	41.2N	22.0E	20	1.6L		
LJU	**VI**	**19 02 13 51.8**	**46.5N**	**15.2E**	**22**			¶97vi2856
ISC	**VI**	**19 13 13 46.4**±.82	**41.16N**±.097	**21.98E**±.076	**21**		**7 0-1**	
SKO	VI	19 13 13 45.7	41.17N	21.98E	21			¶97vi2921
THE	VI	19 13 13 46.7	41.2N	22.0E	8			
LJU	**VI**	**19 21 54 18.5**	**45.7N**	**14.2E**	**5**			¶97vi2960
LJU	**VI**	**20 04 09 48.7**	**45.2N**	**14.7E**	**0**			¶97vi3011
ISC	**VI**	**20 06 28 06**±1.2	**41.30N**±.098	**22.61E**±.090	**1**		**7 0-1**	
THE	VI	20 06 28 05.9	41.4N	22.6E	1	2.3L		¶97vi3020
LJU	**VI**	**20 11 54 32.3**	**45.3N**	**14.8E**	**0**			¶97vi3052
LJU	**VI**	**20 14 59 09.5**	**46.4N**	**16.5E**	**7**			¶97vi3074
ISC	**VI**	**20 19 10 14.9**±.64	**42.52N**±.042	**19.98E**±.066	**5**		**16 0-5**	
TIR	VI	20 19 10 11.4	42.68N	20.13E	5	2.5L		¶97vi3102
PDG	VI	20 19 10 13.8	42.5N	20.1E	22	3.0L,2.9D		
ISC	**VI**	**21 05 50 51**±1.1	**41.55N**±.056	**22.39E**±.095	**3**		**12 0-2**	
THE	VI	21 05 50 53.3	41.5N	22.4E	3	2.3L		¶97vi3163
ISC	**VI**	**21 10 31 34**±1.1	**46.0N**±.10	**14.83E**±.089	**10**		**6 0-1**	
LJU	VI	21 10 31 33.6	46.0N	14.8E	10			¶97vi3198
ISC	**VI**	**21 16 53 16.7**±.89	**41.33N**±.071	**22.71E**±.087	**11**		**10 0-2**	
THE	VI	21 16 53 14.0	41.5N	22.8E	11	2.3L		¶97vi3250
ISC	**VI**	**21 17 44 30**±1.8	**45.52N**±.093	**14.2E**±.17	**6**		**5 0-1**	
LJU	VI	21 17 44 30.6	45.5N	14.29E	6			¶97vi3260
ISC	**VI**	**22 08 47 02**±1.9	**45.3N**±.13	**14.70E**±.081	**5**		**8 0-1**	
NEIC	VI	22 08 47 00.0	45.16N	14.61E	5			¶97vi3353
LJU	VI	22 08 47 02.1	45.3N	14.7E	7			
NEIC	Poor solution.							
ISC	**VI**	**22 09 15 14.1**±.85	**41.23N**±.082	**21.97E**±.067	**4**±25		**8 0-1**	
THE	VI	22 09 15 15.2	41.2N	22.0E	8	1.7L		¶97vi3361
ISC	**VI**	**22 21 02 38**±1.1	**42.39N**±.066	**18.64E**±.091	**7**		**9 0-1**	
PDG	VI	22 21 02 38.1	42.4N	18.6E	7	1.9L		¶97vi3436
LJU	**VI**	**23 15 13 29.0**	**46.2N**	**14.6E**	**0**			¶97vi3545
ISC	**VI**	**25 06 05 03.1**±.75	**45.60N**±.057	**14.39E**±.066	**10**		**16 0-6**	
LJU	VI	25 06 05 02.8	45.6N	14.36E	14			¶97vi3857
NEIC	VI	25 06 05 03.6	45.60N	14.36E	10			
NEIC	M_L2.9(VIE), M_L2.5(LJU), Less reliable solution.							
ISC	**VI**	**25 06 52 58.2**±.32	**42.82N**±.036	**18.01E**±.037	**12**	3.3b	**56 0-90**	
PDG	VI	25 06 52 56.5	42.9N	17.8E	12	3.3L,3.3D		¶97vi3861
NEIC	VI	25 06 52 58.4	42.72N	17.71E	10			
LDG	VI	25 06 52 58.6	42.7N	18.1E		3.8L		
EIDC	VI	25 06 52 59.3	42.8N	17.7E	0	3.7L,3.3b		
ROM	VI	25 06 52 59.7	42.8N	18.1E	10	3.1D		
NEIC	$M_{L3.2}$(LJU)							
ZAG	Felt in Dubrovnik region (after HVAR)							
ISC	**VI**	**25 13 16 26**±1.1	**41.26N**±.078	**21.90E**±.089	**4**±19		**7 0-1**	
THE	VI	25 13 16 27.3	41.2N	21.9E	6			¶97vi3943
SKO	**VI**	**26 13 57 49.5**	**41.93N**	**21.63E**	**16**			¶97vi4149
ISC	**VI**	**28 00 13 24**±2.0	**45.3N**±.14	**14.62E**±.074	**12**±15		**12 0-3**	
LJU	VI	28 00 13 23.4	45.2N	14.7E	5			¶97vi4385
NEIC	VI	28 00 13 25.1	45.31N	14.63E	10			
NEIC	M_L2.7(VIE), M_L2.1(LJU), Less reliable solution.							
ISC	**VI**	**28 02 58 34**±1.6	**43.22N**±.099	**19.0E**±.10	**13**		**10 0-2**	
PDG	VI	28 02 58 34.1	43.3N	19.0E	13	2.3L		¶97vi4403
LJU	**VI**	**29 22 38 37.0**	**46.0N**	**14.3E**	**13**			¶97vi4676
LJU	**VI**	**30 11 10 06.9**	**46.0N**	**16.2E**	**0**			¶97vi4750
NEIC	VI	30 11 10 07.8	45.92N	16.09E	10			
NEIC	M_L1.8(LJU). Single network solution.							
ZAG	Felt in Cucerje and Prepustovec (after PTJ)							

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LIS	**III**	**02 19 59 47**	**36.58N**	**9.63W**		**1.7L**		¶97iii0393
ISC	**III**	**10 12 32 14**±13	**35.8N**±.46	**8.7W**±.46	**8**±63		**10 1-3**	
LIS	III	10 12 32 16	35.88N	8.70W		2.4L		¶97iii2210
MDD	III	10 12 32 16.7	35.92N	8.66W	5	3.2		
LIS	**III**	**18 05 06 29**	**35.80N**	**8.90W**	**52**	**1.8L**		¶97iii3489
LIS	**III**	**19 06 27 56**	**36.77N**	**9.50W**	**20**	**1.7L**		¶97iii3647
ISC	**III**	**22 14 02 38**±13	**36.3N**±.65	**8.0W**±.55	**0**		**6 1-1**	
								¶97iii4278
ISC	**III**	**23 17 56 53**±8.7	**36.8N**±.48	**8.4W**±.15	**0**		**7 0-1**	
LIS	III	23 17 56 53	36.77N	8.43W		1.7L		¶97iii4467
LIS	**III**	**29 00 27 44**	**36.70N**	**8.78W**	**22**	**1.3L**		¶97iii5508
LIS	**III**	**30 20 47 53**	**36.17N**	**8.67W**	**58**	**1.8L**		¶97iii5802
LIS	**IV**	**02 18 26 05**	**36.77N**	**9.65W**		**1.5L**		¶97iv0284
MDD	**IV**	**04 21 54 40.5**	**36.47N**	**9.71W**		**3.6**		¶97iv0665
LIS	IV	04 21 54 41	36.53N	9.77W		2.4L		
ISC	**IV**	**17 07 32 42**±2.8	**36.9N**±.17	**8.34W**±.085	**0**		**9 0-2**	
LIS	IV	17 07 32 42	36.92N	8.33W		1.4L		¶97iv2868

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
LIS	**IV**	**21 18 37 54**	**36.22N**	**8.05W**		**2.0L**		**¶97iv3553**
ISC	**IV**	**25 20 16 12**±15	**36.3N**±.63	**9.1W**±.70	**0**		**7**	**1-1**
LIS	IV	25 20 16 20	36.70N	8.85W		1.4L		**¶97iv4411**
ISC	**IV**	**25 20 30 14.7**±.94	**36.30N**±.061	**8.03W**±.084	**78**±12		**36**	**1-13**
LIS	IV	25 20 30 17	36.38N	8.00W		2.7L		**¶97iv4413**
MDD	IV	25 20 30 17.5	36.35N	7.91W		3.1		
LDG	IV	25 20 30 19.3	37.0N	8.5W		3.4L		
NEIC	IV	25 20 30 21.8	36.70N	7.54W	50			
NEIC	Less reliable solution.							
LIS	**IV**	**29 22 31 33**	**36.20N**	**9.98W**		**2.6L**		**¶97iv5129**
MDD	IV	29 22 31 33.4	36.17N	9.88W		3.2		
ISC	**V**	**03 23 49 55**±12	**36.2N**±.69	**8.1W**±.40	**0**		**6**	**1-1**
LIS	V	03 23 49 57	36.23N	8.12W		1.4L		**¶97v0522**
ISC	**V**	**06 05 17 59**±3.1	**35.6N**±.15	**8.9W**±.35	**0**		**11**	**2-4**
LIS	V	06 05 18 08	36.03N	8.73W		2.4L		**¶97v0911**
MDD	V	06 05 18 08.5	35.97N	8.66W		2.4		
ISC	**VI**	**05 04 37 30**±11	**36.4N**±.47	**9.8W**±.88	**22**		**13**	**1-5**
MDD	VI	05 04 37 34.7	36.54N	9.58W	22	3.1		**¶97vi0713**
LIS	VI	05 04 37 35	36.55N	9.58W		2.7L		
LIS	**VI**	**09 10 27 53**	**36.18N**	**8.60W**		**2.1L**		**¶97vi1381**
ISC	**VI**	**11 21 27 46**±6.5	**36.5N**±.48	**9.9W**±.73	**0**		**6**	**1-2**
LIS	VI	11 21 27 53	36.68N	9.62W		1.8L		**¶97vi1756**
ISC	**VI**	**11 22 56 58**±7.2	**36.5N**±.61	**9.9W**±.91	**0**		**7**	**1-2**
LIS	VI	11 22 57 06	36.63N	9.58W		2.3L		**¶97vi1766**
ISC	**VI**	**25 17 48 13**±4.5	**37.0N**±.28	**8.6W**±.11	**0**		**5**	**0-1**
LIS	VI	25 17 48 12	36.92N	8.63W		1.1L		**¶97vi3997**
ISC	**VI**	**27 03 07 49**±17	**36.4N**±.84	**8.9W**±.64	**0**		**6**	**1-1**
LIS	VI	27 03 07 50	36.32N	8.88W		1.7L		**¶97vi4227**
ISC	Poorly determined							
LIS	**VI**	**27 20 30 50.5**	**36.40N**	**8.98W**		**1.8L**		**¶97vi4365**
ISC	**VI**	**29 17 12 40**±9.8	**36.7N**±.52	**8.3W**±.20	**0**		**7**	**0-1**
LIS	VI	29 17 12 44	36.77N	8.30W		1.1L		**¶97vi4645**

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ISC	**I**	**07 10 09 11**±9.5	**36.4N**±.59	**3.4W**±.22	**9**±29		**5**	**0-1**
NEIC	I	07 10 09 12.2	36.49N	3.40W	10			**¶97i0908**
MDD	I	07 10 09 13.0	36.49N	3.39W	7	2.8		
ISC	Poorly determined							
NEIC	mbLg2.8(MDD), Poor solution.							
ISC	**I**	**10 07 09 47**±10	**36.9N**±.33	**4.6W**±.64	**2**		**4**	**0-2**
MDD	I	10 07 09 51.5	36.99N	4.31W	2	2.6		**¶97i1327**
ISC	Poorly determined							
ISC	**I**	**10 21 41 07**±2.3	**36.4N**±.24	**6.7W**±.12	**30**		**7**	**1-2**
MDD	I	10 21 41 08.2	36.36N	6.70W	30	2.9		**¶97i1430**
ISC	**I**	**19 12 48 11**±3.6	**36.7N**±.42	**2.8W**±.11	**10**		**4**	**1-1**
NEIC	I	19 12 47 45.2	36.68N	2.85W	10			**¶97i2839**
MDD	I	19 12 48 11.2	36.68N	2.85W	7	2.7		
ISC	Poorly determined							
NEIC	mbLg2.7(MDD), Poor solution.							
ISC	**I**	**21 20 10 34.4**±.70	**36.84N**±.054	**5.37W**±.074	**4**±8.8		**12**	**0-1**
NEIC	I	21 20 10 34.3	36.78N	5.43W	10			**¶97i3222**
MDD	I	21 20 10 34.5	36.80N	5.45W	4	2.8		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**I**	**22 15 23 52**±1.1	**36.51N**±.066	**5.32W**±.091	**4**		**8**	**0-1**
MDD	I	22 15 23 51.9	36.43N	5.33W	4	2.8		**¶97i3347**
ISC	**I**	**22 23 29 54**±1.8	**36.4N**±.11	**6.2W**±.14	**6**		**6**	**0-1**
MDD	I	22 23 29 54.3	36.38N	6.25W	6	2.3		**¶97i3402**
MDD	**I**	**22 23 43 34.9**	**36.52N**	**5.69W**		**1.8**		**¶97i3405**
ISC	**I**	**23 14 13 04**±1.2	**36.99N**±.072	**4.2W**±.11	**0**		**5**	**0-1**
MDD	I	23 14 13 04.1	36.99N	4.27W		2.5		**¶97i3506**
ISC	**I**	**24 01 37 11**±6.1	**37.0N**±.24	**4.3W**±.37	**0**		**5**	**0-1**
MDD	I	24 01 37 13.8	37.04N	4.15W		2.4		**¶97i3581**
ISC	**I**	**24 21 24 40**±6.9	**36.5N**±.45	**7.6W**±.35	**22**		**5**	**1-3**
MDD	I	24 21 24 42.2	36.59N	7.54W	22	3.3		**¶97i3690**
ISC	**I**	**25 18 15 10**±3.6	**36.7N**±.41	**2.9W**±.12	**22**		**4**	**1-1**
MDD	I	25 18 15 10.1	36.70N	2.86W	22	2.7		**¶97i3840**
ISC	Poorly determined							
ISC	**I**	**27 20 33 27**±2.4	**36.9N**±.18	**5.9W**±.21	**9**±49		**6**	**0-1**
MDD	I	27 20 33 26.8	36.86N	5.97W		2.5		**¶97i4123**
ISC	**I**	**29 02 49 31.0**±.75	**36.88N**±.065	**3.96W**±.052	**5**		**14**	**0-2**
NEIC	I	29 02 49 30.8	36.87N	3.98W	5			**¶97i4293**
MDD	I	29 02 49 31.4	36.84N	3.95W	2	2.9		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**II**	**02 05 16 11.1**±.69	**36.97N**±.057	**4.81W**±.042	**3**±8.6		**20**	**0-4**
NEIC	II	02 05 16 11.5	36.94N	4.81W	10			**¶97ii0175**
MDD	II	02 05 16 12.4	36.92N	4.80W	2	2.9		
NEIC	mbLg3.0(MDD). Single network solution.							
MDD	Felt I=II MSK, west Valle de Abdalajis							
ISC	**II**	**03 19 20 03**±2.9	**36.4N**±.15	**5.9W**±.14	**38**±39		**8**	**0-1**
MDD	II	03 19 20 03.9	36.42N	5.90W	38	2.3		**¶97ii0415**
ISC	**II**	**03 20 53 19**±2.7	**36.9N**±.17	**4.4W**±.10	**62**±28		**10**	**0-2**
NEIC	II	03 20 53 21.1	36.95N	4.42W	33			**¶97ii0424**
MDD	II	03 20 53 21.3	36.89N	4.45W	38	2.7		
NEIC	mbLg2.5(MDD), Single network solution.							
MDD	**II**	**05 09 55 16.3**	**36.25N**	**5.81W**		**2.3**		**¶97ii0669**
ISC	**II**	**05 12 54 11**±1.0	**36.51N**±.075	**4.44W**±.060	**110**±12		**28**	**0-5**
NEIC	II	05 12 54 11.4	36.48N	4.43W	104			**¶97ii0690**
LIS	II	05 12 54 14	36.60N	4.50W		2.6L		
MDD	II	05 12 54 14.5	36.52N	4.45W	67	3.4		
NEIC	Single network solution.							
ISC	**II**	**09 01 30 30.1**±.78	**36.85N**±.081	**5.76W**±.067	**3**		**8**	**0-1**
MDD	II	09 01 30 31.1	36.81N	5.77W	3	2.5		**¶97ii1232**
ISC	**II**	**13 02 37 02**±1.8	**36.8N**±.16	**4.52W**±.090	**14**		**6**	**0-1**
MDD	II	13 02 37 02.1	36.69N	4.48W	14	2.8		**¶97ii1862**
NEIC	II	13 02 37 03.2	36.81N	4.41W	33			
NEIC	mbLg2.0(MDD), Single network solution.							
ISC	**II**	**13 09 08 46.4**±.81	**36.70N**±.057	**5.4W**±.10	**9**±13		**11**	**0-1**
NEIC	II	13 09 08 45.1	36.64N	5.50W	10			**¶97ii1893**
MDD	II	13 09 08 45.9	36.65N	5.57W	6	2.7		
NEIC	mbLg2.7(MDD), Single network solution.							
ISC	**II**	**16 02 12 41.0**±.92	**35.72N**±.077	**4.59W**±.077	**70**		**24**	**1-5**
LIS	II	16 02 12 43	35.95N	4.63W		3.1L		**¶97ii2326**
MDD	II	16 02 12 43.6	35.82N	4.60W	70	3.3		
ISC	**II**	**16 07 12 07**±1.5	**36.80N**±.094	**5.6W**±.11	**4**±16		**7**	**0-1**
NEIC	II	16 07 12 07.4	36.78N	5.60W	10			**¶97ii2351**
MDD	II	16 07 12 09.0	36.80N	5.51W	7	3.0		
NEIC	mbLg2.9(MDD), Single network solution.							
ISC	**II**	**16 11 03 15**±2.1	**36.8N**±.11	**5.4W**±.40	**22**		**4**	**0-1**
MDD	II	16 11 03 14.8	36.79N	5.21W	22	2.2		**¶97ii2367**
ISC	Poorly determined							
ISC	**II**	**16 14 41 06**±1.0	**36.81N**±.074	**5.4W**±.16	**10**		**6**	**0-1**
NEIC	II	16 14 41 06.6	36.78N	5.43W	10			**¶97ii2383**
MDD	II	16 14 41 06.8	36.80N	5.43W	4	2.5		
NEIC	mbLg2.4(MDD), Poor solution.							
ISC	**II**	**16 21 11 27**±1.1	**35.61N**±.082	**4.5W**±.14	**0**		**10**	**1-3**
MDD	II	16 21 11 31.5	35.58N	4.46W		3.0		**¶97ii2424**
ISC	**II**	**18 14 48 55**±2.8	**36.7N**±.26	**2.91W**±.094	**10**		**6**	**1-2**
NEIC	II	18 14 48 54.0	36.60N	2.93W	10			**¶97ii2657**
MDD	II	18 14 48 55.8	36.71N	2.92W	4	2.8		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**II**	**19 21 07 54**±2.0	**36.2N**±.14	**6.0W**±.12	**22**±13		**10**	**0-2**
MDD	II	19 21 07 56.1	36.21N	5.88W	24	2.6		**¶97ii2836**
ISC	**II**	**20 02 27 36.2**±.97	**35.94N**±.080	**4.48W**±.097	**67**		**14**	**1-3**
MDD	II	20 02 27 37.8	36.02N	4.54W	67	3.0		**¶97ii2863**
NEIC	II	20 02 27 39.9	36.25N	4.62W	50			
NEIC	Poor solution.							
ISC	**II**	**22 21 07 29**±3.4	**36.8N**±.22	**4.0W**±.14	**90**±27		**12**	**0-4**
NEIC	II	22 21 07 29.2	36.82N	4.02W	87			**¶97ii3251**
MDD	II	22 21 07 31.8	36.88N	4.06W	66	3.5		
NEIC	Single network solution.							
ISC	**II**	**23 02 45 40**±2.8	**36.9N**±.23	**4.1W**±.30	**50**		**6**	**0-1**
NEIC	II	23 02 45 39.8	36.91N	4.11W	50			**¶97ii3283**
MDD	II	23 02 45 40.8	36.90N	4.12W	45	2.3		
NEIC	Poor solution.							
MDD	**II**	**24 13 40 13.7**	**36.57N**	**4.89W**	**69**	**2.3**		**¶97ii3484**
ISC	**II**	**25 18 21 36**±3.6	**36.6N**±.24	**3.9W**±.12	**0**		**4**	**0-1**
MDD	II	25 18 21 36.4	36.59N	3.93W		2.5		**¶97ii3671**
ISC	Poorly determined							
ISC	**II**	**27 19 50 54**±3.9	**36.7N**±.23	**5.3W**±.22	**63**±38		**5**	**0-1**
MDD	II	27 19 50 54.6	36.72N	5.35W	59	2.1		**¶97ii4001**
NEIC	II	27 19 50 55.1	36.81N	5.33W	33			
ISC	Poorly determined							
NEIC	mbLg2.2(MDD).							
ISC	**II**	**28 09 34 40**±1.6	**36.6N**±.15	**5.52W**±.061	**53**±24		**21**	**0-5**
NEIC	II	28 09 34 39.5	36.78N	5.47W	10			**¶97ii4199**
LIS	II	28 09 34 41	36.67N	5.48W		3.3L		
MDD	II	28 09 34 41.3	36.64N	5.48W	33	3.2		
NEIC	mbLg3.3(MDD), Single network solution.							
ISC	**II**	**28 20 48 16**±3.2	**36.6N**±.22	**4.3W**±.12	**91**±27		**12**	**0-3**
NEIC	II	28 20 48 16.5	36.58N	4.34W	89			**¶97ii4334**
MDD	II	28 20 48 18.6	36.61N	4.39W	69	2.6		
NEIC	Single network solution.							
ISC	**III**	**01 14 17 27**±1.7	**36.5N**±.14	**7.09W**±.083	**70**±27		**24**	**1-6**
LIS	III	01 14 17 20	36.62N	7.07W	42	2.1L		**¶97iii0124**
MDD	III	01 14 17 29.7	36.62N	7.05W	39	3.1		
NEIC	III	01 14 17 30.0	36.77N	6.72W	10			
NEIC	mbLg3.0(MDD), Single network solution.							
ISC	**III**	**01 23 09 45**±1.3	**36.8N**±.11	**3.03W**±.066	**10**		**13**	**0-2**
NEIC	III	01 23 09 44.3	36.74N	3.02W	10			**¶97iii0208**
MDD	III	01 23 09 45.4	36.78N	3.03W	2	2.8		
NEIC	mbLg2.7(MDD), Single network solution.							
ISC	**III**	**02 04 00 31**±1.4	**36.71N**±.081	**5.4W**±.27	**13**±19		**6**	**0-1**
MDD	III	02 04 00 31.8	36.71N	5.43W	11	2.4		**¶97iii0237**
ISC	**III**	**03 04 02 01.6**±.95	**36.92N**±.093	**3.93W**±.069	**10**		**7**	**0-1**
NEIC	III	03 04 02 01.3	36.92N	3.95W	10			**¶97iii0469**
MDD	III	03 04 02 02.6	36.91N	3.94W		2.7		
NEIC	mbLg2.7(MDD), Poor solution.							
ISC	**III**	**03 21 26 19.7**±.62	**36.92N**±.079	**4.23W**±.069	**29**±7.7		**17**	**0-2**
NEIC	III	03 21 26 19.5	36.91N	4.22W	20			**¶97iii0694**
MDD	III	03 21 26 20.3	36.94N	4.25W	24	3.1		
NEIC	mbLg3.0(MDD), Single network solution.							
ISC	**III**	**04 02 55 59**±1.4	**35.93N**±.061	**2.1W**±.18	**10**		**10**	**1-3**
NEIC	III	04 02 55 57.7	35.89N	2.05W	10			**¶97iii0758**
MDD	III	04 02 55 59.1	35.92N	2.14W	3	3.0		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**III**	**08 19 31 58**±1.7	**36.7N**±.16	**5.9W**±.15	**30**±13		**6**	**0-1**
MDD	III	08 19 31 58.4	36.67N	5.84W	30	2.4		**¶97iii1819**
ISC	**III**	**11 08 03 33**±6.7	**36.5N**±.51	**7.4W**±.21	**29**		**8**	**1-1**
MDD	III	11 08 03 35.5	36.59N	7.39W	29	3.2		**¶97iii2339**
LIS	III	11 08 03 36	36.57N	7.43W		1.9L		
ISC	**III**	**13 05 49 25**±1.2	**37.0N**±.14	**2.65W**±.079	**10**		**7**	**0-2**
NEIC	III	13 05 49 24.7	36.97N	2.65W	10			**¶97iii2652**
MDD	III	13 05 49 25.3	36.99N	2.65W	4	3.0		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**III**	**13 09 56 35**±1.9	**36.9N**±.17	**2.9W**±.11	**13**±18		**6**	**0-2**
NEIC	III	13 09 56 34.7	36.85N	2.97W	10			**¶97iii2683**
MDD	III	13 09 56 35.5	36.86N	2.97W	22	2.7		
NEIC	mbLg2.7(MDD), Single network solution.							
ISC	**III**	**13 11 42 51**±1.9	**36.8N**±.15	**3.8W**±.11	**10**		**4**	**0-0**
MDD	III	13 11 42 50.7	36.72N	3.83W		2.6		**¶97iii2692**
NEIC	III	13 11 42 50.7	36.78N	3.84W	10			
ISC	Poorly determined							
NEIC	mbLg2.6(MDD), Poor solution.							
ISC	**III**	**13 14 38 31**±2.9	**36.7N**±.20	**3.8W**±.12	**10**		**4**	**0-1**
MDD	III	13 14 38 29.0	36.59N	3.73W		2.6		**¶97iii2724**
NEIC	III	13 14 38 30.7	36.70N	3.85W	10			
ISC	Poorly determined							
NEIC	mbLg2.6(MDD), Poor solution.							
ISC	**III**	**15 00 37 39**±3.3	**36.6N**±.22	**4.4W**±.14	**82**±30		**10**	**0-3**
MDD	III	15 00 37 41.7	36.62N	4.44W	65	2.7		**¶97iii2967**
ISC	**III**	**15 02 23 46**±1.7	**36.8N**±.17	**5.8W**±.16	**29**±17		**5**	**0-1**
MDD	III	15 02 23 46.3	36.76N	5.85W	25	2.2		**¶97iii2980**
ISC	Poorly determined							
ISC	**III**	**15 02 31 04**±1.6	**36.7N**±.11	**5.9W**±.11	**7**		**6**	**0-1**
MDD	III	15 02 31 04.4	36.67N	5.93W	7	2.5		**¶97iii2982**
ISC	**III**	**15 02 32 32**±1.6	**36.7N**±.13	**5.8W**±.12	**14**±13		**6**	**0-1**
MDD	III	15 02 32 32.2	36.63N	5.81W	12	2.5		**¶97iii2983**
ISC	**III**	**15 23 37 28**±12	**36.5N**±.77	**7.5W**±.27	**26**±40		**8**	**1-1**
MDD	III	15 23 37 29.7	36.56N	7.49W	22	3.2		**¶97iii3128**
LIS	III	15 23 37 30	36.55N	7.57W		1.6L		
ISC	**III**	**16 00 52 55**±1.2	**36.7N**±.11	**5.76W**±.092	**8**±16		**6**	**0-1**
MDD	III	16 00 52 56.3	36.72N	5.75W	9	2.3		**¶97iii3142**
ISC	**III**	**17 05 23 38.3**±.80	**36.57N**±.072	**7.43W**±.055	**10**		**25**	**1-5**
MDD	III	17 05 23 41.5	36.62N	7.47W	32	3.0		**¶97iii3326**
LIS	III	17 05 23 42	36.67N	7.43W	37	2.6L		
NEIC	III	17 05 23 43.5	36.79N	7.07W	10			
NEIC	mbLg2.9(MDD), Single network solution.							

ISC	**III**	**17 19 14 56**±2.8	**36.6N**±.34	**7.7W**±.13	**68**±46		**9**	**1-2**
MDD	III	17 19 14 58.2	36.63N	7.75W	59	3.2		**¶97iii3422**
LIS	III	17 19 14 59	36.67N	7.77W		2.0L		
ISC	**III**	**17 22 18 20**±1.3	**36.77N**±.083	**5.4W**±.16	**3**		**4**	**0-1**
MDD	III	17 22 18 21.4	36.78N	5.38W	3	2.4		**¶97iii3443**
ISC	Poorly determined							
ISC	**III**	**18 03 08 30.0**±.44	**36.92N**±.044	**4.19W**±.036	**89**±6.5		**73**	**0-12**
LIS	III	18 03 08 32	37.00N	4.28W	59	3.7L		**¶97iii3478**
NEIC	III	18 03 08 32.1	37.14N	4.28W	33			
MDD	III	18 03 08 32.7	36.96N	4.26W	58	3.6		
LDG	III	18 03 08 32.7	37.1N	4.1W	2	3.5L		
NEIC	mbLg3.7(MDD).							
ISC	**III**	**19 02 57 40.3**±.66	**36.01N**±.051	**3.75W**±.060	**10**		**24**	**1-4**
MDD	III	19 02 57 42.0	36.04N	3.69W	10	2.9		**¶97iii3618**
LIS	III	19 02 57 42	36.03N	3.68W	14	2.8L		
NEIC	III	19 02 57 42.0	36.01N	3.70W	33			
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**III**	**19 22 14 46.0**±.59	**36.75N**±.057	**7.05W**±.038	**2**		**48**	**1-13**
LDG	III	19 22 14 48.5	36.8N	7.3W	2	3.3L		**¶97iii3775**
MDD	III	19 22 14 48.9	36.51N	7.19W	42	3.4		
LIS	III	19 22 14 49	36.53N	7.18W	51	2.9L		
RBA	III	19 22 14 50.5	36.40N	7.15W	30	2.9D		
NEIC	III	19 22 14 52.2	36.93N	6.82W	33			
NEIC	mbLg3.2(MDD), Less reliable solution.							
ISC	**III**	**20 00 28 19**±2.8	**36.9N**±.15	**3.9W**±.17	**10**		**6**	**0-1**
NEIC	III	20 00 28 19.4	36.91N	3.88W	10			**¶97iii3795**
MDD	III	20 00 28 20.1	36.90N	3.91W	4	2.7		
NEIC	mbLg2.4(MDD), Single network solution.							
ISC	**III**	**20 23 40 45**±1.9	**36.18N**±.048	**7.91W**±.064	**12**±14		**36**	**1-12**
MDD	III	20 23 40 48.6	36.21N	7.98W		3.2		**¶97iii3968**
LDG	III	20 23 40 49.6	37.3N	9.1W	2	3.5L		
RBA	III	20 23 40 49.8	36.15N	7.78W	30	2.9D		
LIS	III	20 23 40 52	36.48N	7.83W		2.7L		
MDD	**III**	**22 05 15 08.3**	**36.37N**	**5.49W**		**2.4**		**¶97iii4206**
ISC	**III**	**23 21 22 12**±6.4	**35.6N**±.46	**4.3W**±.22	**16**		**7**	**1-3**
MDD	III	23 21 22 15.7	35.76N	4.36W	16	3.0		**¶97iii4487**
ISC	**III**	**24 17 07 23**±7.7	**36.5N**±.64	**7.6W**±.23	**54**		**9**	**1-1**
MDD	III	24 17 07 25.1	36.69N	7.65W	54	3.6		**¶97iii4594**
LIS	III	24 17 07 26	36.63N	7.78W		2.1L		
ISC	**III**	**25 23 19 56**±1.1	**36.93N**±.096	**5.3W**±.15	**7**		**5**	**0-1**
MDD	III	25 23 19 57.2	36.91N	5.38W	7	2.1		**¶97iii4809**
ISC	**III**	**26 09 27 04**±4.8	**36.8N**±.45	**2.5W**±.23	**5**		**4**	**0-2**
MDD	III	26 09 27 05.6	36.82N	2.49W	5	2.6		**¶97iii4895**
ISC	Poorly determined							
ISC	**III**	**28 03 45 12.1**±.94	**36.37N**±.066	**7.73W**±.088	**67**±25		**22**	**1-4**
MDD	III	28 03 45 14.0	36.40N	7.72W	32	3.0		**¶97iii5355**
LIS	III	28 03 45 15	36.40N	7.92W		2.3L		
NEIC	III	28 03 45 17.8	36.59N	7.55W	50			
NEIC	mbLg2.4(MDD), Poor solution.							
LIS	**III**	**29 16 31 23**	**36.67N**	**7.50W**	**38**	**1.4L**		**¶97iii5622**
ISC	**III**	**30 21 53 03**±4.2	**36.1N**±.27	**7.6W**±.18	**0**		**8**	**1-2**
LIS	III	30 21 53 12	36.52N	7.73W		1.7L		**¶97iii5813**
MDD	III	30 21 53 12.1	36.55N	7.59W		3.0		
LIS	**IV**	**02 01 38 04**	**36.30N**	**7.43W**		**1.6L**		**¶97iv0171**
ISC	**IV**	**02 22 23 22.2**±.73	**36.93N**±.088	**5.35W**±.095	**7**±11		**10**	**0-1**
NEIC	IV	02 22 23 22.4	36.92N	5.36W	10			**¶97iv0334**
MDD	IV	02 22 23 23.2	36.92N	5.36W	4	2.5		
NEIC	mbLg2.4(MDD), Single network solution.							
MDD	**IV**	**03 23 27 43.8**	**36.46N**	**5.21W**	**5**	**2.7**		**¶97iv0502**
ISC	**IV**	**04 19 29 56**±1.3	**36.5N**±.13	**4.59W**±.062	**78**±14		**28**	**0-5**
NEIC	IV	04 19 29 55.9	36.46N	4.61W	74			**¶97iv0650**
LIS	IV	04 19 29 58	36.57N	4.63W		2.7L		
MDD	IV	04 19 29 58.1	36.49N	4.61W	52	3.1		
NEIC	Single network solution.							
ISC	**IV**	**05 12 21 20**±2.6	**36.8N**±.17	**4.6W**±.21	**20**		**5**	**0-2**
MDD	IV	05 12 21 20.5	36.72N	4.52W	20	2.8		**¶97iv0767**
ISC	**IV**	**07 02 58 06**±1.6	**36.8N**±.13	**5.1W**±.17	**35**±36		**7**	**0-2**
NEIC	IV	07 02 58 05.9	36.85N	5.05W	10			**¶97iv1091**
MDD	IV	07 02 58 07.8	36.87N	4.99W	17	2.2		
NEIC	mbLg2.0(MDD), Single network solution.							
ISC	**IV**	**07 03 10 06**±1.9	**36.9N**±.13	**4.9W**±.15	**0**		**5**	**0-2**
MDD	IV	07 03 10 08.1	36.86N	4.94W		1.8		**¶97iv1094**
LIS	**IV**	**07 19 30 51**	**36.68N**	**7.15W**		**1.6L**		**¶97iv1209**
ISC	**IV**	**08 12 09 47**±8.0	**36.7N**±.42	**8.0W**±.21	**0**		**7**	**0-1**
LIS	IV	08 12 09 46	36.70N	7.73W		1.7L		**¶97iv1330**
ISC	**IV**	**08 15 17 04**±8.5	**36.7N**±.45	**7.9W**±.21	**0**		**8**	**0-1**
LIS	IV	08 15 17 04	36.73N	7.78W		1.4L		**¶97iv1352**
ISC	**IV**	**08 15 55 23**±1.6	**36.4N**±.10	**3.44W**±.093	**3**		**10**	**1-2**
NEIC	IV	08 15 55 23.6	36.41N	3.46W	10			**¶97iv1359**
MDD	IV	08 15 55 24.8	36.46N	3.45W	3	2.7		
NEIC	mbLg2.7(MDD), Single network solution.							
ISC	**IV**	**08 22 15 14**±8.5	**36.1N**±.64	**7.8W**±.17	**44**		**10**	**1-2**
MDD	IV	08 22 15 20.0	36.49N	7.85W	44	3.4		**¶97iv1419**
LIS	IV	08 22 15 20	36.50N	7.92W		2.0L		
ISC	**IV**	**10 02 08 20**±1.6	**36.8N**±.10	**5.5W**±.28	**5**±35		**5**	**0-1**
MDD	IV	10 02 08 21.3	36.76N	5.50W	9	2.2		**¶97iv1610**
ISC	Poorly determined							
MDD	**IV**	**10 18 37 55.3**	**36.56N**	**2.71W**		**2.9**		**¶97iv1730**
ISC	**IV**	**11 08 18 11.8**±.68	**35.77N**±.052	**7.46W**±.056	**88**±12		**45**	**1-13**
RBA	IV	11 08 18 14.2	35.73N	7.06W	30	3.5D		**¶97iv1841**
MDD	IV	11 08 18 14.6	35.83N	7.42W	32	3.6		
LIS	IV	11 08 18 15	35.88N	7.37W	30	3.3L		
NEIC	IV	11 08 18 16.4	36.07N	7.21W	70			
LDG	IV	11 08 18 19.4	36.4N	7.6W		4.1L		
NEIC	M_D3.5(MDD), Less reliable solution.							
ISC	**IV**	**12 11 21 38**±1.8	**35.97N**±.047	**3.16W**±.067	**12**±18	3.4b	**39**	**1-68**
NEIC	IV	12 11 21 37.9	35.96N	3.22W	10			**¶97iv2057**
MDD	IV	12 11 21 38.7	36.01N	3.09W	3	3.6		
LIS	IV	12 11 21 39	35.98N	3.20W		3.7L		
RBA	IV	12 11 21 46.6	33.77N	2.29W	30	3.8D		
NEIC	mbLg3.7(MDD). Single network solution.							
NEIC	Felt I=II MM in the Melilla area							
MDD	Felt I=II MSK, west of Isla de Alboran							
ISC	**IV**	**13 21 27 27**±1.2	**36.8N**±.14	**5.4W**±.31	**22**		**4**	**0-1**
MDD	IV	13 21 27 27.3	36.81N	5.44W	22	2.1		**¶97iv2302**
ISC	Poorly determined							
ISC	**IV**	**13 22 23 25.2**±.89	**36.67N**±.069	**5.79W**±.079	**6**±13		**8**	**0-2**
MDD	IV	13 22 23 25.8	36.63N	5.78W	3	2.2		**¶97iv2310**
ISC	**IV**	**16 14 17 20**±3.5	**36.6N**±.28	**2.94W**±.090	**5**		**7**	**1-2**
NEIC	IV	16 14 17 20.5	36.68N	2.92W	5			**¶97iv2771**
MDD	IV	16 14 17 21.1	36.67N	2.92W	9	3.1		
NEIC	mbLg3.0(MDD), Single network solution.							
ISC	**IV**	**18 09 04 38**±1.1	**36.6N**±.11	**4.58W**±.083	**10**		**11**	**0-2**
NEIC	IV	18 09 04 37.1	36.51N	4.57W	10			**¶97iv3047**
MDD	IV	18 09 04 38.6	36.55N	4.55W	3	2.5		
NEIC	mbLg2.6(MDD), Single network solution.							
LIS	**IV**	**22 13 33 39**	**36.55N**	**7.82W**		**1.9L**		**¶97iv3750**
ISC	**IV**	**23 02 21 40**±2.6	**36.7N**±.24	**3.05W**±.096	**10**		**5**	**0-1**
NEIC	IV	23 02 21 40.2	36.72N	3.05W	10			**¶97iv3876**
MDD	IV	23 02 21 42.1	36.83N	3.06W	9	2.5		
NEIC	mbLg2.6(MDD), Single network solution.							
ISC	**IV**	**23 07 17 54**±1.8	**36.9N**±.16	**3.5W**±.34	**35**		**4**	**0-0**
MDD	IV	23 07 17 54.2	36.97N	3.50W	35	2.3		**¶97iv3913**
ISC	Poorly determined							
ISC	**IV**	**23 22 57 21**±2.8	**35.8N**±.24	**7.4W**±.10	**0**		**18**	**1-5**
LIS	IV	23 22 57 26	36.07N	7.37W		1.7L		**¶97iv4037**
MDD	IV	23 22 57 26.4	35.93N	7.39W		3.0		
ISC	**IV**	**24 17 48 04**±1.4	**36.7N**±.15	**4.75W**±.098	**24**		**5**	**1-1**
MDD	IV	24 17 48 04.6	36.68N	4.76W	24	2.2		**¶97iv4192**
ISC	**IV**	**25 07 18 27**±1.6	**36.4N**±.11	**3.44W**±.092	**5**		**11**	**0-2**
NEIC	IV	25 07 18 26.5	36.41N	3.45W	5			**¶97iv4304**
MDD	IV	25 07 18 28.1	36.45N	3.43W	2	3.0		
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**IV**	**26 01 00 32**±1.3	**37.0N**±.12	**3.8W**±.13	**9**		**4**	**0-0**
MDD	IV	26 01 00 32.7	36.97N	3.75W	9	2.1		**¶97iv4442**
ISC	Poorly determined							
ISC	**IV**	**27 06 53 27**±3.9	**36.0N**±.23	**7.7W**±.24	**0**		**10**	**1-2**
LIS	IV	27 06 53 39	36.58N	7.80W		1.7L		**¶97iv4680**
MDD	IV	27 06 53 39.5	36.65N	7.75W		2.5		
ISC	**IV**	**27 07 22 58**±1.6	**36.4N**±.11	**3.45W**±.089	**10**		**13**	**0-2**
NEIC	IV	27 07 22 58.2	36.44N	3.45W	10			**¶97iv4686**
MDD	IV	27 07 22 59.4	36.49N	3.47W	2	2.7		
NEIC	mbLg2.5(MDD), Single network solution.							
ISC	**IV**	**28 19 21 02**±5.6	**36.3N**±.37	**3.6W**±.25	**23**		**6**	**1-1**
MDD	IV	28 19 21 04.5	36.50N	3.52W	23	2.9		**¶97iv4972**
ISC	**IV**	**30 03 42 20.2**±.78	**35.49N**±.061	**4.74W**±.077	**10**		**21**	**1-5**
NEIC	IV	30 03 42 18.8	35.41N	4.83W	10			**¶97iv5159**
MDD	IV	30 03 42 21.9	35.59N	4.69W	3	3.1		
RBA	IV	30 03 42 23.6	32.78N	2.97W	30	3.6D		
NEIC	mbLg3.0(MDD), Single network solution.							
ISC	**V**	**01 08 28 25.5**±.98	**35.31N**±.089	**3.8W**±.10	**20**		**8**	**1-4**
MDD	V	01 08 28 26.9	35.37N	3.77W	20	2.9		**¶97v0062**
ISC	**V**	**01 13 59 33.7**±.44	**36.72N**±.038	**7.60W**±.033	**54**±3.9	**4.0b**	**122**	**0-145**
RBA	V	01 13 59 33.1	36.45N	7.70W	30	3.9D		**¶97v0111**
EIDC	V	01 13 59 33.4	36.6N	7.4W	36	3.9b,4.0L		
NEIC	V	01 13 59 33.6	36.73N	7.59W	56			
MDD	V	01 13 59 33.8	36.55N	7.72W	40	4.3		
LIS	V	01 13 59 34	36.55N	7.75W	9	4.4L		
LDG	V	01 13 59 36.3	37.1N	7.8W		4.5L		
STR	V	01 13 59 48.2	38.58N	8.15W	2	5.0L		
NEIC	M_D3.9(MDD)							
MDD	Felt I=III−IV MSK							
LIS	Felt I=IV MM Loule, Quarteria, Faro, III−IV Vilamoura, III Moncarapacho, Fuseta, II Sintra, Queluz, Cascais, San Bartolomeu de Messines, Castro Marim, Vila Real de Santo, Antonio, Porches, Conceicao de Tavira, Lagos, Pera, Luz de Tavira							
LIS	**V**	**06 23 16 49**	**36.57N**	**7.82W**	**29**	**1.9L**		**¶97v1028**
ISC	**V**	**07 02 55 48.8**±.96	**36.95N**±.070	**3.99W**±.058	**3**±11		**11**	**0-2**
NEIC	V	07 02 55 48.9	36.95N	3.99W	5			**¶97v1044**
MDD	V	07 02 55 49.6	36.93N	3.98W	1	2.6		
NEIC	mbLg2.6(MDD), Single network solution.							
ISC	**V**	**07 09 17 43.4**±.65	**36.50N**±.054	**7.75W**±.059	**31**		**35**	**1-6**
LIS	V	07 09 17 45	36.52N	7.73W	31	3.2L		**¶97v1076**
MDD	V	07 09 17 45.3	36.55N	7.71W	42	3.4		
NEIC	V	07 09 17 50.0	36.88N	7.24W	33			
NEIC	mbLg3.2(MDD), Poor solution.							
ISC	**V**	**08 12 30 37**±2.0	**36.8N**±.14	**3.80W**±.093	**9**		**6**	**0-1**
MDD	V	08 12 30 37.0	36.72N	3.78W	9	2.6		**¶97v1244**
ISC	**V**	**08 18 08 46**±7.3	**36.1N**±.35	**7.7W**±.45	**0**		**7**	**1-2**
LIS	V	08 18 08 55	36.45N	7.85W		1.8L		**¶97v1289**
ISC	**V**	**10 09 03 51**±3.0	**36.6N**±.21	**4.5W**±.11	**83**±26		**12**	**0-5**
NEIC	V	10 09 03 52.1	36.66N	4.52W	70			**¶97v1562**
MDD	V	10 09 03 52.9	36.64N	4.51W	64	2.8		
NEIC	Single network solution.							
ISC	**V**	**11 04 42 03**±1.1	**36.92N**±.075	**5.63W**±.097	**10**		**8**	**0-2**
NEIC	V	11 04 42 03.0	36.93N	5.65W	10			**¶97v1727**
MDD	V	11 04 42 03.8	36.95N	5.58W	3	2.4		
NEIC	mbLg2.4(MDD), Single network solution.							
ISC	**V**	**11 05 09 20**±1.0	**36.99N**±.072	**5.58W**±.099	**10**		**8**	**0-2**
NEIC	V	11 05 09 19.9	37.01N	5.60W	10			**¶97v1731**
MDD	V	11 05 09 20.3	37.03N	5.52W	4	2.4		
NEIC	mbLg2.3(MDD), Single network solution.							
ISC	**V**	**11 05 35 56**±3.3	**36.9N**±.38	**5.6W**±.14	**6**±27		**6**	**0-2**
MDD	V	11 05 35 57.2	36.92N	5.55W	2	2.0		**¶97v1734**
ISC	Poorly determined							
ISC	**V**	**12 14 21 14**±1.7	**36.5N**±.11	**5.35W**±.097	**5**		**8**	**0-2**
MDD	V	12 14 21 14.3	36.38N	5.35W	5	2.9		**¶97v1979**
ISC	**V**	**13 00 51 29**±5.1	**36.8N**±.33	**3.7W**±.14	**9**		**5**	**0-1**
MDD	V	13 00 51 22.3	36.28N	3.54W	9	2.4		**¶97v2089**
ISC	**V**	**13 23 55 22**±5.1	**36.2N**±.40	**4.7W**±.13	**12**		**7**	**1-2**
NEIC	V	13 23 55 21.3	36.19N	4.72W	10			**¶97v2358**
MDD	V	13 23 55 24.4	36.32N	4.70W	12	2.8		
NEIC	mbLg2.8(MDD), Poor solution.							
ISC	**V**	**15 08 47 29**±1.3	**37.00N**±.096	**3.7W**±.12	**0**		**4**	**0-0**
MDD	V	15 08 47 29.5	36.99N	3.69W		2.3		**¶97v2585**
ISC	Poorly determined							
ISC	**V**	**15 19 52 57**±4.4	**36.5N**±.32	**7.5W**±.18	**29**		**9**	**1-1**
MDD	V	15 19 52 59.6	36.60N	7.52W	29	2.8		**¶97v2666**
LIS	V	15 19 53 00	36.60N	7.58W		1.9L		
ISC	**V**	**16 11 34 47**±8.2	**36.1N**±.31	**7.0W**±.88	**0**		**7**	**1-2**
LIS	V	16 11 34 54	36.33N	7.23W		2.6L		**¶97v2768**
ISC	**V**	**16 23 08 05**±4.7	**36.7N**±.61	**7.4W**±.15	**46**±62		**8**	**1-2**
LIS	V	16 23 08 05	36.82N	7.22W		2.4L		**¶97v2841**
MDD	V	16 23 08 05.2	36.69N	7.37W	23	2.4		
ISC	**V**	**25 14 20 19**±9.1	**36.8N**±.54	**6.8W**±.62	**22**		**7**	**1-3**
MDD	V	25 14 20 20.0	36.81N	6.82W	22	3.0		**¶97v4284**
ISC	**V**	**29 02 49 53**±7.5	**36.1N**±.37	**7.8W**±.45	**0**		**7**	**1-2**
LIS	V	29 02 50 02	36.47N	7.87W		1.5L		**¶97v4804**
ISC	**V**	**30 18 58 31**±1.3	**36.11N**±.095	**7.8W**±.10	**92**±10		**42**	**1-14**
MDD	V	30 18 58 35.5	36.23N	7.68W	39	3.5		**¶97v5079**
LIS	V	30 18 58 36	36.27N	7.68W		3.0L		
LDG	V	30 18 58 36.0	36.6N	7.9W		3.4L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V**	**31 18 07 33**±6.6	**36.7N**±.57	**7.7W**±.24	**39**±55		**9**	**0-1**
MDD	V	31 18 07 35.0	36.79N	7.68W	39	2.0		¶97v5215
LIS	V	31 18 07 35	36.75N	7.73W		1.9L		
ISC	**VI**	**01 22 23 05**±1.6	**36.8N**±.17	**4.6W**±.15	**29**		**6**	**1-2**
MDD	VI	01 22 23 05.3	36.66N	4.50W	29	2.5		¶97vi0145
ISC	**VI**	**08 08 57 13**±1.2	**35.8N**±.13	**3.4W**±.22	**17**		**5**	**1-2**
MDD	VI	08 08 57 14.1	35.78N	3.36W	17	3.4		¶97vi1204
ISC	**VI**	**08 16 28 18**±1.2	**36.99N**±.062	**5.44W**±.095	**0**±15		**9**	**0-3**
MDD	VI	08 16 28 18.9	36.96N	5.44W	1	2.7		¶97vi1260
ISC	**VI**	**10 12 04 33**±2.2	**35.7N**±.16	**4.59W**±.096	**122**±15		**37**	**1-6**
NEIC	VI	10 12 04 34.3	35.75N	4.57W	100			¶97vi1518
LIS	VI	10 12 04 36	35.85N	4.63W		3.2L		
MDD	VI	10 12 04 38.6	35.83N	4.46W	23	3.2		
NEIC	Single network solution.							
ISC	**VI**	**11 11 10 38**±11	**36.6N**±.72	**7.4W**±.29	**23**±33		**7**	**1-1**
MDD	VI	11 11 10 40.9	36.71N	7.47W	22	2.4		¶97vi1678
LIS	VI	11 11 10 42	36.68N	7.58W		1.8L		
ISC	**VI**	**14 12 40 18.0**±.59	**35.40N**±.056	**3.34W**±.059	**10**		**21**	**0-5**
NEIC	VI	14 12 40 17.7	35.36N	3.39W	10			¶97vi2128
MDD	VI	14 12 40 19.8	35.41N	3.31W	9	3.1		
RBA	VI	14 12 40 20.1	35.52N	3.31W	30	3.1D		
NEIC	mbLg3.2(MDD), Single network solution.							
ISC	**VI**	**18 04 30 23**±2.0	**36.60N**±.097	**5.5W**±.26	**11**±19		**5**	**0-1**
MDD	VI	18 04 30 24.1	36.60N	5.52W	2	2.4		¶97vi2728
ISC	Poorly determined							
ISC	**VI**	**20 03 33 14**±1.6	**36.59N**±.072	**5.4W**±.16	**10**±11		**8**	**0-1**
MDD	VI	20 03 33 14.8	36.57N	5.36W	8	2.8		¶97vi3004
MDD	**VI**	**20 23 02 58.4**	**36.20N**	**5.43W**		**2.5**		¶97vi3120
ISC	**VI**	**21 07 23 27**±1.2	**36.63N**±.064	**5.4W**±.17	**3**±23		**7**	**0-1**
MDD	VI	21 07 23 28.3	36.63N	5.45W		2.6		¶97vi3175
ISC	**VI**	**21 14 04 36.1**±.88	**37.0N**±.11	**5.4W**±.11	**11**±14		**7**	**0-1**
MDD	VI	21 14 04 36.7	36.99N	5.41W		2.7		¶97vi3231
ISC	**VI**	**21 17 51 58.5**±.52	**36.67N**±.041	**5.53W**±.040	**13**±4.5		**35**	**0-5**
MDD	VI	21 17 51 58.8	36.58N	5.56W	6	3.4		¶97vi3262
LIS	VI	21 17 51 59	36.58N	5.55W		3.3L		
ISC	**VI**	**21 18 54 33.0**±.82	**36.62N**±.055	**5.51W**±.091	**5**±10		**10**	**0-1**
MDD	VI	21 18 54 31.0	36.51N	5.16W	8	2.7		¶97vi3265
ISC	**VI**	**24 16 24 28.8**±.70	**36.67N**±.053	**5.55W**±.098	**5**±9.7		**10**	**0-2**
MDD	VI	24 16 24 28.9	36.60N	5.60W	4	3.0		¶97vi3748
ISC	**VI**	**24 16 28 01.3**±.53	**36.64N**±.040	**5.49W**±.059	**9**±5.7		**22**	**0-3**
MDD	VI	24 16 28 01.9	36.61N	5.57W	5	3.3		¶97vi3749
ISC	**VI**	**24 17 23 41**±3.4	**36.6N**±.26	**2.91W**±.092	**1**±15		**7**	**1-2**
MDD	VI	24 17 23 41.4	36.57N	2.91W	2	3.1		¶97vi3754
ISC	**VI**	**24 20 27 38**±1.6	**36.45N**±.057	**3.23W**±.059	**12**±12		**34**	**0-5**
MDD	VI	24 20 27 37.9	36.41N	3.22W	1	3.4		¶97vi3780
LIS	VI	24 20 27 38	36.40N	3.23W		3.3L		
NEIC	VI	24 20 27 39.4	36.46N	3.30W	10			
NEIC	mbLg3.4(MDD), Single network solution.							
ISC	**VI**	**24 20 28 24**±1.1	**36.43N**±.092	**3.2W**±.13	**5**		**7**	**1-2**
MDD	VI	24 20 28 24.5	36.39N	3.17W	5	3.4		¶97vi3781
ISC	**VI**	**25 00 32 24**±2.2	**36.7N**±.19	**4.0W**±.11	**9**±18		**5**	**0-1**
MDD	VI	25 00 32 24.9	36.71N	4.03W	7	2.0		¶97vi3811
ISC	Poorly determined							
ISC	**VI**	**25 00 32 44**±2.5	**36.7N**±.20	**4.0W**±.12	**12**±17		**5**	**0-1**
MDD	VI	25 00 32 44.7	36.73N	4.02W	9	2.5		¶97vi3812
ISC	Poorly determined							
ISC	**VI**	**25 01 09 26**±1.6	**36.8N**±.15	**4.0W**±.10	**11**±13		**6**	**0-1**
MDD	VI	25 01 09 26.3	36.76N	4.02W	6	2.4		¶97vi3819
ISC	**VI**	**25 01 17 10**±1.1	**36.47N**±.058	**2.99W**±.059	**2**±8.7		**32**	**1-5**
LIS	VI	25 01 17 12	36.50N	2.98W		3.3L		¶97vi3820
MDD	VI	25 01 17 12.2	36.50N	2.99W	1	3.6		
ISC	**VI**	**25 01 31 01**±2.0	**36.7N**±.15	**4.0W**±.11	**0**		**4**	**0-1**
MDD	VI	25 01 31 02.1	36.71N	4.01W		2.2		¶97vi3823
ISC	Poorly determined							
ISC	**VI**	**25 01 31 24**±2.0	**36.7N**±.15	**4.0W**±.11	**0**		**4**	**0-1**
MDD	VI	25 01 31 24.7	36.73N	4.02W		2.3		¶97vi3824
ISC	Poorly determined							
ISC	**VI**	**25 01 32 53**±1.9	**36.8N**±.14	**4.0W**±.11	**0**		**4**	**0-1**
MDD	VI	25 01 32 53.1	36.72N	4.01W		2.2		¶97vi3825
ISC	Poorly determined							
ISC	**VI**	**25 03 14 51**±1.6	**36.47N**±.056	**3.17W**±.054	**8**±13		**28**	**0-5**
LIS	VI	25 03 14 51	36.45N	3.18W		3.2L		¶97vi3835
MDD	VI	25 03 14 51.8	36.46N	3.18W	2	3.1		
ISC	**VI**	**25 04 08 47**±4.0	**36.5N**±.32	**2.93W**±.079	**3**		**8**	**1-2**
MDD	VI	25 04 08 48.3	36.59N	2.93W	3	2.8		¶97vi3842
ISC	**VI**	**25 07 52 46.7**±.69	**36.00N**±.050	**3.07W**±.090	**0**		**14**	**1-3**
MDD	VI	25 07 52 48.4	35.83N	3.02W		3.4		¶97vi3868
ISC	**VI**	**26 04 00 37**±1.0	**36.38N**±.073	**3.1W**±.11	**2**		**8**	**1-1**
NEIC	VI	26 04 00 38.0	36.38N	3.16W	10			¶97vi4080
MDD	VI	26 04 00 38.2	36.35N	3.16W	2	2.7		
NEIC	mbLg2.6(MDD), Single network solution.							
ISC	**VI**	**27 18 04 13.1**±.69	**36.43N**±.065	**7.14W**±.053	**0**		**23**	**1-4**
MDD	VI	27 18 04 17.9	36.55N	7.13W		3.0		¶97vi4343
LIS	VI	27 18 04 18	36.53N	7.17W		2.6L		
NEIC	VI	27 18 04 19.1	36.68N	6.93W	33			
NEIC	mbLg2.8(MDD), Single network solution.							
ISC	**VI**	**28 22 15 08**±2.1	**36.7N**±.16	**4.0W**±.11	**10**		**4**	**0-1**
NEIC	VI	28 22 15 08.4	36.74N	4.01W	10			¶97vi4534
MDD	VI	28 22 15 09.1	36.74N	4.02W		2.3		
ISC	Poorly determined							
NEIC	mbLg2.2(MDD), Poor solution.							
ISC	**VI**	**29 07 27 52**±12	**36.4N**±.84	**7.4W**±.49	**30**		**8**	**1-1**
MDD	VI	29 07 27 54.7	36.53N	7.43W	30	2.0		¶97vi4584
LIS	VI	29 07 27 55	36.12N	7.50W		2.0L		
ISC	**VI**	**29 21 07 08**±4.6	**36.9N**±.38	**5.3W**±.15	**7**		**4**	**0-2**
MDD	VI	29 21 07 09.7	36.95N	5.34W	7	2.5		¶97vi4664
ISC	Poorly determined							
RBA	**VI**	**30 15 25 21.4**	**35.00N**	**4.04W**	**30**	**2.9D**		¶97vi4783

(387) Western Mediterranean Sea.

ISC	**I**	**11 07 21 53**±10	**39.4N**±.78	**7.0E**±.26	**0**		**9**	**3-7**
LDG	I	11 07 22 05.8	40.1N	6.9E		2.9L		¶97i1487
ISC	**II**	**14 18 23 03**±8.7	**37.8N**±.66	**5.2E**±.20	**5**		**14**	**6-8**
LDG	II	14 18 22 55.9	36.9N	5.5E	2	3.6L		¶97ii2097
NEIC	II	14 18 23 02.5	37.77N	5.22E	5			
NEIC	Poor solution.							
LDG	**III**	**16 14 10 36.7**	**41.4N**	**7.1E**	**10**	**2.3L**		¶97iii3234
LDG	**III**	**26 23 03 39.4**	**38.8N**	**10.9E**	**2**	**3.4L**		¶97iii5090
LDG	**IV**	**21 02 31 44.6**	**41.6N**	**7.8E**		**2.4L**		¶97iv3391
ISC	**IV**	**21 11 37 58**±1.4	**41.2N**±.11	**7.72E**±.076	**10**		**44**	**2-6**
NEIC	IV	21 11 38 00.9	41.45N	7.74E	10			¶97iv3451
LDG	IV	21 11 38 04.1	41.6N	7.7E		3.6L		
STR	IV	21 11 38 05.2	41.74N	7.55E	10	3.8L		
NEIC	Less reliable solution.							
ISC	**VI**	**03 00 29 58**±3.4	**42.5N**±.35	**7.4E**±.27	**0**		**5**	**1-1**
LDG	VI	03 00 30 01.6	42.4N	7.3E		2.3L		¶97vi0358
ISC	**VI**	**15 11 03 51**±3.6	**42.4N**±.24	**7.1E**±.26	**0**		**5**	**1-1**
LDG	VI	15 11 03 52.7	42.5N	7.1E		2.0L		¶97vi2284
ISC	**VI**	**23 02 55 02**±1.8	**41.8N**±.13	**7.8E**±.11	**10**		**50**	**1-7**
NEIC	VI	23 02 55 02.3	41.81N	7.75E	10			¶97vi3475
LDG	VI	23 02 55 07.0	42.0N	7.9E		3.2L		
STR	VI	23 02 55 08.7	42.03N	7.42E	10	3.1L		
NEIC	Single network solution.							

(389) Tyrrhenian Sea.

ROM	**II**	**13 18 38 04.5**	**39.0N**	**12.6E**	**10**	**2.7D**		¶97ii1961
ISC	**III**	**24 04 34 55.2**±.31	**39.87N**±.041	**13.59E**±.053	**452**±3.8	**3.8b**	**87**	**1-83**
NEIC	III	24 04 34 55.1	39.88N	13.61E	454			¶97iii4529
EIDC	III	24 04 34 56.7	40.0N	13.5E	453	3.4b		
ROM	**V**	**18 15 26 53.6**	**40.0N**	**14.6E**	**10**	**2.6D**		¶97v3112

(390) Southern Italy.

ROM	**I**	**01 19 47 09.1**	**38.9N**	**16.3E**	**10**	**2.5D**		¶97i0107
ISC	**I**	**04 04 16 44.9**±.72	**38.77N**±.059	**16.3E**±.12	**5**		**10**	**0-2**
ROM	I	04 04 16 44.9	38.7N	16.3E	5	3.0D		¶97i0479
ROM	**I**	**05 18 23 18.6**	**41.0N**	**15.1E**	**5**	**2.6D**		¶97i0698
ROM	**I**	**06 15 32 47.3**	**40.8N**	**15.2E**	**10**	**2.1D**		¶97i0805
ROM	**I**	**06 16 40 53.3**	**41.2N**	**15.6E**	**15**	**2.2D**		¶97i0811
ROM	**I**	**06 22 26 30.1**	**40.9N**	**14.7E**	**5**	**2.6D**		¶97i0840
ROM	**I**	**06 22 27 40.7**	**40.9N**	**14.7E**	**10**	**2.0D**		¶97i0841
ROM	**I**	**06 22 44 42.0**	**40.9N**	**14.7E**	**10**	**2.5D**		¶97i0845
ROM	**I**	**06 22 49 38.1**	**40.7N**	**14.6E**	**10**	**2.3D**		¶97i0846
ROM	**I**	**08 00 34 12.4**	**41.8N**	**13.7E**	**5**	**2.3D**		¶97i0996
ROM	**I**	**08 05 52 14.3**	**40.8N**	**15.3E**	**15**	**2.3D**		¶97i1028
ROM	**I**	**08 17 01 31.7**	**40.3N**	**15.8E**	**10**	**2.4D**		¶97i1089
ROM	**I**	**08 21 32 47.9**	**40.0N**	**15.8E**	**10**	**2.3D**		¶97i1119
ROM	**I**	**11 12 33 03.7**	**39.6N**	**16.8E**	**7**	**2.4D**		¶97i1520
ROM	**I**	**11 18 34 48.9**	**40.0N**	**16.0E**	**10**	**2.4D**		¶97i1557
ROM	**I**	**12 20 22 58.3**	**40.5N**	**15.8E**	**25**	**2.2D**		¶97i1736
ROM	**I**	**13 00 29 59.0**	**39.5N**	**15.3E**	**14**	**2.4D**		¶97i1756
ISC	**I**	**13 00 34 34**±1.5	**39.47N**±.074	**15.2E**±.18	**10**		**6**	**1-2**
ROM	I	13 00 34 34.6	39.5N	15.3E	10	2.8D		¶97i1757
ROM	**I**	**13 05 48 43.6**	**38.5N**	**16.0E**	**10**	**1.9D**		¶97i1781
ROM	**I**	**13 06 58 51.7**	**38.5N**	**16.0E**	**10**	**2.1D**		¶97i1793
ROM	**I**	**13 08 18 30.4**	**38.5N**	**16.0E**	**10**	**2.1D**		¶97i1805
ROM	**I**	**13 08 29 19.0**	**38.5N**	**16.0E**	**10**	**2.1D**		¶97i1806
ROM	**I**	**13 10 10 01.8**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1819
ISC	**I**	**13 13 29 46**±1.2	**38.5N**±.10	**16.1E**±.15	**10**		**6**	**0-1**
ROM	I	13 13 29 45.0	38.5N	16.0E	10	2.4D		¶97i1846
ROM	**I**	**13 14 28 53.7**	**38.5N**	**16.0E**	**10**	**2.1D**		¶97i1853
ROM	**I**	**13 15 35 53.9**	**38.5N**	**16.0E**	**10**	**2.4D**		¶97i1859
ROM	**I**	**13 18 39 51.3**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1883
ROM	**I**	**13 21 24 08.4**	**39.9N**	**15.3E**	**10**	**2.4D**		¶97i1897
ROM	**I**	**13 21 48 20.7**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1899
ROM	**I**	**14 01 55 08.1**	**38.5N**	**16.0E**	**10**	**2.3D**		¶97i1932
ROM	**I**	**14 01 58 19.7**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1933
ROM	**I**	**14 02 00 31.0**	**38.5N**	**16.0E**	**10**	**2.7D**		¶97i1936
ROM	**I**	**14 02 22 14.7**	**38.5N**	**16.0E**	**10**	**2.1D**		¶97i1941
ROM	**I**	**14 03 00 00.8**	**41.7N**	**13.9E**	**10**	**2.5D**		¶97i1945
ROM	**I**	**14 03 41 25.3**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1949
ROM	**I**	**14 06 59 44.9**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1966
ROM	**I**	**14 13 15 37.3**	**38.5N**	**16.0E**	**10**	**2.1D**		¶97i1997
ROM	**I**	**14 20 03 14.8**	**38.5N**	**16.0E**	**10**	**1.9D**		¶97i2047
ISC	**I**	**16 14 41 24**±1.0	**39.2N**±.17	**15.4E**±.24	**302**±12	**3.4b**	**14**	**1-71**
EIDC	I	16 14 41 29.1	39.7N	15.3E	295	3.0b		¶97i2323
ROM	I	16 14 41 37.1	39.2N	15.0E	162	3.0D		
ROM	**I**	**16 15 17 47.8**	**40.8N**	**15.3E**	**8**	**2.4D**		¶97i2329
ROM	**I**	**17 22 28 55.2**	**39.6N**	**15.1E**	**10**	**2.6D**		¶97i2548
ROM	**I**	**20 15 35 29.4**	**39.4N**	**16.5E**	**10**	**2.4D**		¶97i3029
ISC	**I**	**21 20 43 03**±1.1	**41.7N**±.12	**13.61E**±.076	**5**		**6**	**0-1**
ROM	I	21 20 43 02.7	41.8N	13.6E	5	2.8D		¶97i3225
ROM	**I**	**22 22 55 58.6**	**41.7N**	**13.9E**	**10**	**2.0D**		¶97i3398
ISC	**I**	**22 23 24 23**±1.3	**39.40N**±.058	**16.4E**±.39	**4**		**5**	**0-1**
ROM	I	22 23 24 21.9	39.4N	16.5E	4	2.7D		¶97i3401
ROM	**I**	**23 02 28 58.8**	**40.9N**	**15.1E**	**10**	**3.0D**		¶97i3426
ROM	**I**	**23 03 58 53.4**	**40.4N**	**14.7E**	**10**	**2.4D**		¶97i3432
ROM	**I**	**25 08 00 16.2**	**41.7N**	**14.9E**	**10**	**2.7D**		¶97i3773
ROM	**I**	**26 00 16 15.8**	**40.8N**	**15.4E**	**10**	**2.4D**		¶97i3862
ROM	**I**	**26 13 07 28.0**	**41.7N**	**13.7E**	**7**	**2.7D**		¶97i3948
ROM	**I**	**27 07 52 01.1**	**41.3N**	**13.9E**	**10**	**2.4D**		¶97i4066
ROM	**I**	**29 14 26 11.3**	**40.4N**	**14.7E**	**10**	**2.4D**		¶97i4365
ISC	**I**	**29 18 52 43**±1.1	**40.0N**±.11	**16.78E**±.095	**8**		**6**	**0-1**
ROM	I	29 18 52 42.1	40.0N	16.8E	8	2.7D		¶97i4389
ISC	**II**	**01 23 00 49**±1.5	**41.7N**±.18	**13.6E**±.12	**10**		**4**	**0-1**
ROM	II	01 23 00 49.2	41.8N	13.6E	10	2.6D		¶97ii0136
ISC	Poorly determined							
ISC	**II**	**02 19 42 39**±1.4	**41.7N**±.10	**13.53E**±.095	**11**±14		**8**	**0-2**
ROM	II	02 19 42 39.6	41.8N	13.5E	5	2.9D		¶97ii0268
ROM	**II**	**03 12 22 39.5**	**41.1N**	**14.7E**	**10**	**2.1D**		¶97ii0375
ISC	**II**	**04 10 10 38**±2.2	**41.7N**±.21	**15.2E**±.18	**4**		**4**	**1-2**
ROM	II	04 10 10 37.0	41.7N	15.1E	4	2.6D		¶97ii0503
ISC	Poorly determined							
ROM	**II**	**04 10 12 49.8**	**41.7N**	**15.2E**	**5**	**2.6D**		¶97ii0505
ROM	**II**	**04 18 48 20.7**	**40.7N**	**14.3E**	**5**	**2.5D**		¶97ii0584
ISC	**II**	**06 07 45 32**±1.3	**39.51N**±.090	**16.3E**±.18	**10**		**4**	**0-0**
ROM	II	06 07 45 31.4	39.5N	16.3E	10	1.9D		¶97ii0810
ISC	Poorly determined							
ISC	**II**	**08 01 43 43**±1.1	**41.7N**±.12	**13.45E**±.074	**5**		**6**	**0-1**
ROM	II	08 01 43 42.8	41.7N	13.4E	5	2.8D		¶97ii1069
ISC	**II**	**08 11 52 59.1**±.98	**39.82N**±.070	**16.0E**±.10	**5**		**7**	**0-1**
ROM	II	08 11 52 58.5	39.8N	16.0E	5	2.6D		¶97ii1134
ISC	**II**	**08 11 54 49.2**±.92	**39.82N**±.071	**16.1E**±.10	**10**		**7**	**0-1**
ROM	II	08 11 54 49.0	39.8N	16.0E	10	2.5D		¶97ii1135
ISC	**II**	**08 12 04 52**±4.9	**39.28N**±.098	**16.8E**±.70	**25**		**4**	**0-1**
ROM	II	08 12 04 52.6	39.3N	16.2E	25	2.1D		¶97ii1137
ISC	Poorly determined							

ROM	**II**	**08 19 32 54.9**	**41.5N**	**14.9E**	**10**	**2.1D**			**¶97ii1190**
ISC	**II**	**09 01 33 03.5**±.95	**39.82N**±.072	**16.1E**±.11	**5**		**6**	**0-1**	
ROM	II	09 01 33 02.9	39.8N	16.1E	5	2.4D			**¶97ii1233**
ROM	**II**	**10 07 25 59.3**	**41.4N**	**14.5E**	**10**	**2.1D**			**¶97ii1430**
ROM	**II**	**10 16 04 02.3**	**41.8N**	**13.7E**	**5**	**2.3D**			**¶97ii1485**
ROM	**II**	**11 20 36 14.2**	**41.8N**	**13.8E**	**5**	**2.4D**			**¶97ii1671**
ROM	**II**	**12 01 38 56.7**	**41.0N**	**15.4E**	**6**	**2.7D**			**¶97ii1700**
ROM	**II**	**13 07 28 39.7**	**42.0N**	**15.8E**	**10**	**2.4D**			**¶97ii1884**
ISC	**II**	**18 00 27 39**±1.2	**39.42N**±.070	**16.5E**±.16	**11**±13		**7**	**0-1**	
ROM	II	18 00 27 38.4	39.4N	16.5E	5	2.3D			**¶97ii2578**
ROM	**II**	**18 02 29 45.1**	**40.4N**	**15.8E**	**5**	**2.1D**			**¶97ii2593**
ROM	**II**	**18 05 50 06.8**	**41.8N**	**14.2E**	**10**	**2.4D**			**¶97ii2607**
ROM	**II**	**18 06 40 08.1**	**41.7N**	**14.2E**	**10**	**2.3D**			**¶97ii2611**
ROM	**II**	**18 09 34 25.5**	**41.9N**	**14.1E**	**10**	**2.1D**			**¶97ii2624**
ROM	**II**	**18 09 46 30.2**	**41.8N**	**14.2E**	**10**	**2.3D**			**¶97ii2626**
ROM	**II**	**18 21 12 26.7**	**41.7N**	**14.2E**	**10**	**2.2D**			**¶97ii2691**
ROM	**II**	**18 21 21 39.2**	**41.8N**	**14.2E**	**5**	**2.4D**			**¶97ii2693**
ISC	**II**	**20 19 12 18.4**±.94	**41.99N**±.076	**13.8E**±.12	**5**		**7**	**0-2**	
ROM	II	20 19 12 18.9	42.0N	13.8E	5	3.2D			**¶97ii2964**
ROM	**II**	**21 15 08 18.9**	**41.5N**	**14.5E**	**5**	**2.2D**			**¶97ii3091**
ISC	**II**	**23 02 33 43.8**±.87	**41.68N**±.091	**13.66E**±.070	**5**		**9**	**0-2**	
ROM	II	23 02 33 43.7	41.7N	13.6E	5	3.3D			**¶97ii3281**
ROM	**II**	**23 06 11 38.9**	**40.0N**	**15.7E**	**10**	**2.4D**			**¶97ii3301**
ISC	**II**	**24 02 20 33.8**±.65	**40.20N**±.057	**15.96E**±.087	**5**		**12**	**0-2**	
ROM	II	24 02 20 33.7	40.2N	16.0E	5	3.3D			**¶97ii3407**
ROM	**II**	**25 02 19 28.9**	**39.9N**	**15.9E**	**5**	**2.7D**			**¶97ii3566**
ISC	**II**	**25 19 41 23.5**±.46	**38.88N**±.047	**16.14E**±.061	**52**±16		**25**	**0-6**	
ROM	II	25 19 41 24.5	38.9N	16.1E	34	3.3D			**¶97ii3681**
THE	II	25 19 41 27.4	39.0N	16.4E	40				
ROM	**II**	**25 22 58 29.6**	**41.7N**	**14.0E**	**10**	**2.3D**			**¶97ii3703**
ISC	**II**	**25 23 49 05.6**±.49	**39.33N**±.060	**15.8E**±.11	**261**±5.4	**3.3b**	**29**	**1-75**	
ROM	II	25 23 49 06.2	39.4N	15.7E	246	3.2D			**¶97ii3708**
EIDC	II	25 23 49 07.0	39.4N	15.4E	253	3.0b			
NEIC	II	25 23 49 08.5	39.48N	15.70E	291				
NEIC	Less reliable solution.								
ROM	**II**	**26 00 06 29.9**	**40.8N**	**14.4E**	**5**	**2.8D**			**¶97ii3710**
ISC	**II**	**26 02 36 51**±1.2	**40.17N**±.073	**15.95E**±.095	**5**±12		**8**	**0-2**	
ROM	II	26 02 36 52.0	40.2N	16.0E	5	3.4D			**¶97ii3731**
ROM	**III**	**01 02 13 07.6**	**41.4N**	**14.7E**	**16**	**2.1D**			**¶97iii0018**
ROM	**III**	**01 22 13 29.0**	**41.7N**	**14.3E**	**5**	**2.2D**			**¶97iii0200**
ROM	**III**	**02 15 53 08.4**	**40.4N**	**15.6E**	**10**	**2.4D**			**¶97iii0346**
ROM	**III**	**02 16 45 23.5**	**40.7N**	**15.8E**	**10**	**2.1D**			**¶97iii0357**
ROM	**III**	**04 14 32 49.9**	**41.8N**	**14.0E**	**5**	**2.8D**			**¶97iii0862**
ISC	**III**	**05 18 53 08**±1.6	**39.13N**±.077	**15.7E**±.21	**10**		**5**	**1-1**	
ROM	III	05 18 53 08.3	39.2N	15.8E	10	2.4D			**¶97iii1114**
ROM	**III**	**06 12 03 34.6**	**41.5N**	**14.4E**	**10**	**1.9D**			**¶97iii1266**
ROM	**III**	**06 13 39 39.4**	**41.8N**	**15.7E**	**15**	**2.5D**			**¶97iii1278**
ROM	**III**	**07 03 51 16.5**	**41.4N**	**14.5E**	**9**	**2.6D**			**¶97iii1429**
ISC	**III**	**09 01 57 18**±1.8	**39.22N**±.059	**16.5E**±.51	**5**		**5**	**0-2**	
ROM	III	09 01 57 17.6	39.2N	16.5E	5	2.7D			**¶97iii1882**
ROM	**III**	**09 06 54 40.2**	**41.5N**	**14.8E**	**7**	**1.9D**			**¶97iii1925**
ROM	**III**	**09 13 39 09.1**	**40.4N**	**16.5E**	**10**	**2.1D**			**¶97iii1980**
ROM	**III**	**10 11 06 00.1**	**38.6N**	**16.3E**	**10**	**2.1D**			**¶97iii2200**
ISC	**III**	**10 23 38 17.0**±.56	**38.37N**±.060	**16.08E**±.070	**56**±14		**22**	**0-6**	
ROM	III	10 23 38 18.8	38.4N	15.9E	30	2.8D			**¶97iii2283**
ROM	**III**	**11 02 14 48.5**	**38.6N**	**16.3E**	**10**	**2.0D**			**¶97iii2293**
ROM	**III**	**13 03 18 06.1**	**40.6N**	**15.5E**	**10**	**2.1D**			**¶97iii2634**
ROM	**III**	**13 21 11 53.3**	**38.1N**	**17.0E**	**10**	**2.5D**			**¶97iii2767**
ISC	**III**	**16 03 00 07**±7.4	**39.0N**±.35	**18.5E**±.62	**10**		**5**	**1-4**	
ROM	III	16 03 00 04.4	38.9N	18.9E	10	3.4D			**¶97iii3156**
ROM	**III**	**16 14 22 41.8**	**41.5N**	**14.8E**	**11**	**2.5D**			**¶97iii3236**
ROM	**III**	**17 22 23 57.1**	**41.6N**	**14.3E**	**10**	**2.5D**			**¶97iii3444**
ROM	**III**	**19 21 14 02.6**	**40.8N**	**14.4E**	**10**	**2.4D**			**¶97iii3768**
ISC	**III**	**19 23 10 50.3**±.49	**41.40N**±.025	**14.61E**±.022	**16**±5.0	**4.3b**,4.1S	**196**	**0-127**	
LDG	III	19 23 10 46.9	41.2N	15.0E	2	3.9L			**¶97iii3781**
BJI	III	19 23 10 47.8	41.39N	14.50E	13	4.6b			
ROM	III	19 23 10 49.2	41.4N	14.6E	9	4.1D			
NEIC	III	19 23 10 49.2	41.40N	14.63E	10	4.6b			
MOS	III	19 23 10 50.2	41.5N	14.7E	10	4.9b			
EIDC	III	19 23 10 54.2	41.4N	14.5E	35	3.8b,4.5L			
PDG	III	19 23 10 56.7	41.3N	15.0E	40	4.1L,4.0D			
THE	III	19 23 10 57.2	41.5N	15.4E	2	3.8L			
NEIC	Felt at Benevento.								
ISC	**III**	**19 23 23 11**±1.8	**41.3N**±.11	**14.6E**±.15	**5**±15		**7**	**0-4**	
ROM	III	19 23 23 09.9	41.4N	14.7E	5	2.9D			**¶97iii3783**
ROM	**III**	**19 23 29 58.8**	**41.4N**	**14.7E**	**11**	**2.3D**			**¶97iii3784**
ROM	**III**	**19 23 30 35.0**	**41.4N**	**14.6E**	**9**	**2.4D**			**¶97iii3785**
ISC	**III**	**19 23 58 07**±1.5	**41.38N**±.063	**14.56E**±.073	**10**±11	3.8b	**19**	**0-21**	
ROM	III	19 23 58 06.5	41.4N	14.6E	6	3.0D			**¶97iii3789**
NEIC	III	19 23 58 07.9	41.50N	14.32E	10				
EIDC	III	19 23 58 07.9	41.4N	14.5E	0	3.6L,3.4b			
NEIC	Less reliable solution.								
ROM	**III**	**20 00 14 03.4**	**41.4N**	**14.6E**	**6**	**2.7D**			**¶97iii3790**
ROM	**III**	**20 00 44 30.3**	**41.4N**	**14.7E**	**10**	**2.0D**			**¶97iii3799**
ISC	**III**	**20 01 15 29**±1.4	**41.3N**±.15	**14.5E**±.24	**5**		**4**	**0-2**	
ROM	III	20 01 15 28.4	41.4N	14.7E	5	2.8D			**¶97iii3804**
ISC	Poorly determined								
ISC	**III**	**20 01 44 23**±1.6	**41.36N**±.080	**14.6E**±.10	**7**±12		**11**	**0-8**	
ROM	III	20 01 44 22.8	41.4N	14.6E	8	3.0D			**¶97iii3808**
ISC	**III**	**20 01 52 18**±1.6	**41.39N**±.083	**14.6E**±.12	**7**±12		**10**	**0-8**	
ROM	III	20 01 52 17.4	41.4N	14.7E	3	3.0D			**¶97iii3810**
ISC	**III**	**20 02 46 55**±1.6	**41.43N**±.087	**14.7E**±.12	**15**±12		**8**	**0-6**	
ROM	III	20 02 46 53.7	41.4N	14.6E	8	3.0D			**¶97iii3818**
ROM	**III**	**20 02 52 40.5**	**41.3N**	**14.6E**	**9**	**2.4D**			**¶97iii3819**
ROM	**III**	**20 03 20 23.9**	**41.4N**	**14.6E**	**9**	**2.5D**			**¶97iii3823**
ISC	**III**	**20 03 23 44**±1.7	**41.37N**±.084	**14.6E**±.11	**5**±13		**10**	**0-6**	
ROM	III	20 03 23 44.2	41.4N	14.7E	9	2.9D			**¶97iii3824**
ROM	**III**	**20 03 33 34.4**	**41.4N**	**14.6E**	**10**	**2.0D**			**¶97iii3826**
ROM	**III**	**20 04 11 11.5**	**41.4N**	**14.6E**	**10**	**2.0D**			**¶97iii3829**
ROM	**III**	**20 04 56 17.6**	**41.4N**	**14.6E**	**8**	**2.0D**			**¶97iii3838**
ROM	**III**	**20 07 06 05.5**	**41.5N**	**14.6E**	**16**	**2.2D**			**¶97iii3859**
ROM	**III**	**20 07 40 50.8**	**41.4N**	**14.6E**	**9**	**2.5D**			**¶97iii3866**
ROM	**III**	**20 09 32 18.6**	**41.4N**	**14.7E**	**13**	**2.0D**			**¶97iii3878**
ROM	**III**	**20 09 58 32.9**	**41.4N**	**14.6E**	**6**	**2.1D**			**¶97iii3883**
ROM	**III**	**20 10 28 27.1**	**41.4N**	**14.6E**	**10**	**2.0D**			**¶97iii3887**
ROM	**III**	**20 11 14 31.5**	**41.4N**	**14.7E**	**12**	**2.5D**			**¶97iii3888**
ROM	**III**	**20 13 13 38.2**	**41.4N**	**14.7E**	**10**	**1.8D**			**¶97iii3897**
ROM	**III**	**20 14 14 50.8**	**41.4N**	**14.7E**	**16**	**2.0D**			**¶97iii3906**
ROM	**III**	**20 15 46 31.3**	**41.4N**	**14.7E**	**10**	**2.3D**			**¶97iii3913**
ROM	**III**	**20 16 18 17.6**	**41.4N**	**14.6E**	**8**	**2.0D**			**¶97iii3919**
ROM	**III**	**20 17 19 35.9**	**41.4N**	**14.6E**	**11**	**2.7D**			**¶97iii3928**
ROM	**III**	**20 19 55 28.9**	**41.4N**	**14.6E**	**10**	**2.0D**			**¶97iii3945**
ROM	**III**	**20 20 35 44.4**	**41.4N**	**14.6E**	**8**	**2.0D**			**¶97iii3950**
ROM	**III**	**20 20 47 35.2**	**41.4N**	**14.6E**	**5**	**2.0D**			**¶97iii3951**
ROM	**III**	**20 21 02 25.2**	**41.4N**	**14.6E**	**10**	**2.0D**			**¶97iii3952**
ROM	**III**	**20 21 16 34.7**	**41.4N**	**14.7E**	**8**	**2.2D**			**¶97iii3954**
ROM	**III**	**20 22 26 16.3**	**41.4N**	**14.7E**	**16**	**2.1D**			**¶97iii3961**
ROM	**III**	**20 23 16 38.5**	**41.4N**	**14.6E**	**13**	**2.3D**			**¶97iii3967**
ROM	**III**	**21 01 38 20.5**	**41.4N**	**14.7E**	**12**	**2.1D**			**¶97iii3982**
ROM	**III**	**21 03 04 39.1**	**41.4N**	**14.6E**	**5**	**2.1D**			**¶97iii3990**
ROM	**III**	**21 03 48 31.7**	**41.4N**	**14.6E**	**9**	**2.0D**			**¶97iii3993**
ROM	**III**	**21 03 50 56.7**	**41.4N**	**14.6E**	**5**	**2.3D**			**¶97iii3994**
ROM	**III**	**21 04 30 05.5**	**41.4N**	**14.6E**	**11**	**1.8D**			**¶97iii3996**
ROM	**III**	**21 04 43 20.1**	**41.4N**	**14.7E**	**10**	**2.1D**			**¶97iii3998**
ROM	**III**	**21 05 53 54.4**	**41.4N**	**14.7E**	**19**	**2.1D**			**¶97iii4008**
ROM	**III**	**21 07 01 03.8**	**41.4N**	**14.6E**	**10**	**2.7D**			**¶97iii4023**
ROM	**III**	**21 07 06 54.6**	**41.4N**	**14.7E**	**10**	**2.5D**			**¶97iii4026**
ISC	**III**	**21 08 07 08**±2.0	**41.4N**±.10	**14.6E**±.15	**9**±17		**6**	**0-4**	
ROM	III	21 08 07 08.1	41.4N	14.7E	10	3.1D			**¶97iii4035**
ROM	**III**	**21 08 25 50.2**	**41.4N**	**14.6E**	**4**	**2.0D**			**¶97iii4038**
ROM	**III**	**21 09 20 00.7**	**41.4N**	**14.6E**	**9**	**2.1D**			**¶97iii4047**
ISC	**III**	**21 09 37 16**±1.7	**41.4N**±.21	**14.7E**±.35	**8**		**4**	**0-2**	
ROM	III	21 09 37 15.5	41.4N	14.7E	8	2.9D			**¶97iii4049**
ISC	Poorly determined								
ROM	**III**	**21 09 42 34.8**	**41.4N**	**14.6E**	**9**	**2.7D**			**¶97iii4051**
ROM	**III**	**21 10 33 34.8**	**41.4N**	**14.7E**	**9**	**2.1D**			**¶97iii4055**
ROM	**III**	**21 10 51 07.7**	**41.4N**	**14.6E**	**10**	**2.5D**			**¶97iii4059**
ROM	**III**	**21 11 40 10.7**	**41.4N**	**14.6E**	**10**	**2.3D**			**¶97iii4063**
ROM	**III**	**21 11 41 14.9**	**41.4N**	**14.6E**	**10**	**2.3D**			**¶97iii4064**
ROM	**III**	**21 14 52 15.2**	**41.3N**	**14.6E**	**5**	**2.3D**			**¶97iii4085**
ROM	**III**	**21 15 21 24.0**	**41.4N**	**14.7E**	**16**	**2.0D**			**¶97iii4089**
ROM	**III**	**21 15 32 12.7**	**41.4N**	**14.7E**	**10**	**2.5D**			**¶97iii4092**
ROM	**III**	**21 17 19 45.3**	**41.5N**	**14.7E**	**17**	**2.0D**			**¶97iii4107**
ROM	**III**	**21 18 05 18.8**	**41.4N**	**14.7E**	**10**	**1.9D**			**¶97iii4111**
ROM	**III**	**21 20 15 15.9**	**41.4N**	**14.7E**	**14**	**2.4D**			**¶97iii4126**
ROM	**III**	**21 20 46 29.0**	**41.4N**	**14.7E**	**10**	**2.1D**			**¶97iii4131**
ROM	**III**	**21 20 57 18.5**	**41.4N**	**14.6E**	**10**	**2.3D**			**¶97iii4133**
ROM	**III**	**21 23 32 09.7**	**41.5N**	**14.7E**	**10**	**2.1D**			**¶97iii4152**
ROM	**III**	**21 23 53 43.1**	**41.4N**	**14.6E**	**8**	**2.1D**			**¶97iii4158**
ROM	**III**	**22 00 02 38.8**	**41.4N**	**14.6E**	**9**	**2.1D**			**¶97iii4161**
ROM	**III**	**22 01 25 09.3**	**41.4N**	**14.7E**	**10**	**2.6D**			**¶97iii4172**
ROM	**III**	**22 01 32 24.0**	**41.4N**	**14.7E**	**10**	**1.9D**			**¶97iii4177**
ROM	**III**	**22 01 59 22.5**	**41.4N**	**14.6E**	**10**	**2.6D**			**¶97iii4181**
ROM	**III**	**22 02 18 31.9**	**41.4N**	**14.6E**	**10**	**1.9D**			**¶97iii4184**
ROM	**III**	**22 04 33 31.1**	**41.4N**	**14.6E**	**5**	**2.0D**			**¶97iii4200**
ROM	**III**	**22 07 10 22.3**	**41.4N**	**14.6E**	**5**	**2.1D**			**¶97iii4218**
ROM	**III**	**22 07 17 19.1**	**41.4N**	**14.6E**	**8**	**2.2D**			**¶97iii4219**
ROM	**III**	**22 07 34 36.3**	**41.5N**	**14.7E**	**12**	**2.0D**			**¶97iii4223**
ROM	**III**	**22 07 46 16.7**	**41.4N**	**14.6E**	**10**	**2.2D**			**¶97iii4224**
ROM	**III**	**22 08 00 26.3**	**41.4N**	**14.7E**	**8**	**2.8D**			**¶97iii4228**
ROM	**III**	**22 08 44 30.4**	**41.4N**	**14.6E**	**7**	**2.2D**			**¶97iii4234**
ROM	**III**	**22 09 48 49.2**	**41.4N**	**14.6E**	**7**	**2.3D**			**¶97iii4240**
ROM	**III**	**22 09 57 13.2**	**41.4N**	**14.6E**	**8**	**2.6D**			**¶97iii4243**
ROM	**III**	**22 10 19 55.8**	**41.4N**	**14.6E**	**5**	**2.0D**			**¶97iii4246**
ROM	**III**	**22 14 24 39.5**	**41.4N**	**14.7E**	**13**	**2.2D**			**¶97iii4282**
ROM	**III**	**22 14 27 22.0**	**41.4N**	**14.7E**	**13**	**2.3D**			**¶97iii4283**
ROM	**III**	**22 14 45 38.0**	**41.4N**	**14.7E**	**10**	**2.3D**			**¶97iii4285**
ROM	**III**	**22 15 07 11.0**	**41.4N**	**14.6E**	**8**	**2.2D**			**¶97iii4286**
ROM	**III**	**22 17 05 02.1**	**41.4N**	**14.6E**	**7**	**2.1D**			**¶97iii4295**
ROM	**III**	**22 21 20 59.1**	**41.4N**	**14.7E**	**12**	**2.6D**			**¶97iii4320**
ROM	**III**	**22 22 58 17.6**	**41.4N**	**14.6E**	**9**	**2.1D**			**¶97iii4332**
ROM	**III**	**23 00 00 33.9**	**41.4N**	**14.6E**	**9**	**2.5D**			**¶97iii4344**
ROM	**III**	**23 00 05 56.7**	**41.4N**	**14.6E**	**11**	**2.5D**			**¶97iii4346**
ROM	**III**	**23 01 07 47.7**	**41.4N**	**14.6E**	**6**	**2.1D**			**¶97iii4356**
ROM	**III**	**23 01 50 03.2**	**41.4N**	**14.7E**	**10**	**2.7D**			**¶97iii4360**
ROM	**III**	**23 03 16 24.0**	**41.4N**	**14.6E**	**10**	**2.1D**			**¶97iii4375**
ROM	**III**	**23 03 18 19.5**	**40.1N**	**15.9E**	**10**	**2.7D**			**¶97iii4376**
ROM	**III**	**23 03 31 06.2**	**41.4N**	**14.6E**	**7**	**2.7D**			**¶97iii4378**
ROM	**III**	**23 03 47 07.3**	**41.4N**	**14.7E**	**13**	**2.0D**			**¶97iii4380**
ROM	**III**	**23 03 49 33.0**	**41.4N**	**14.6E**	**8**	**2.3D**			**¶97iii4381**
ROM	**III**	**23 04 09 20.7**	**41.4N**	**14.6E**	**9**	**2.5D**			**¶97iii4386**
ROM	**III**	**23 05 47 26.7**	**41.4N**	**14.7E**	**14**	**2.4D**			**¶97iii4399**
ROM	**III**	**23 06 01 35.4**	**41.4N**	**14.6E**	**11**	**2.9D**			**¶97iii4404**
ROM	**III**	**23 06 50 54.3**	**41.4N**	**14.6E**	**10**	**3.0D**			**¶97iii4410**
ROM	**III**	**23 08 52 46.4**	**41.4N**	**14.6E**	**10**	**2.0D**			**¶97iii4423**
ROM	**III**	**23 10 20 51.5**	**41.4N**	**14.6E**	**7**	**2.1D**			**¶97iii4429**
ROM	**III**	**23 11 03 52.1**	**41.4N**	**14.7E**	**11**	**2.3D**			**¶97iii4432**
ISC	**III**	**23 12 10 59**±3.5	**39.6N**±.15	**15.3E**±.32	**10**		**4**	**1-1**	
ROM	III	23 12 10 59.1	39.6N	15.3E	10	2.4D			**¶97iii4441**
ISC	Poorly determined								
ROM	**III**	**23 15 32 56.9**	**41.4N**	**14.6E**	**7**	**2.3D**			**¶97iii4456**
ISC	**III**	**23 23 18 47.0**±.99	**41.74N**±.095	**15.20E**±.095	**6**		**6**	**1-2**	
ROM	III	23 23 18 47.4	41.7N	15.1E	6	2.9D			**¶97iii4496**
ROM	**III**	**24 02 08 47.6**	**41.4N**	**14.6E**	**8**	**2.7D**			**¶97iii4511**
ROM	**III**	**24 03 03 11.3**	**41.4N**	**14.6E**	**5**	**2.1D**			**¶97iii4515**
ROM	**III**	**24 03 56 42.3**	**41.4N**	**14.6E**	**8**	**2.1D**			**¶97iii4525**
ROM	**III**	**24 12 21 51.5**	**41.4N**	**14.6E**	**12**	**2.1D**			**¶97iii4566**
ROM	**III**	**24 16 27 22.7**	**41.4N**	**14.6E**	**8**	**2.1D**			**¶97iii4586**
ISC	**III**	**24 16 45 16**±11	**41.5N**±.55	**12.6E**±.69	**14**		**5**	**0-1**	
ROM	III	24 16 45 17.1	41.6N	12.7E	14	2.4D			**¶97iii4590**
ROM	**III**	**24 17 55 40.9**	**41.4N**	**14.6E**	**8**	**2.5D**			**¶97iii4600**
ROM	**III**	**24 18 09 21.9**	**41.4N**	**14.6E**	**7**	**2.2D**			**¶97iii4602**
ISC	**III**	**24 20 50 50**±1.4	**41.3N**±.15	**14.6E**±.24	**6**		**4**	**0-2**	
ROM	III	24 20 50 49.8	41.4N	14.6E	6	2.9D			**¶97iii4615**
ISC	Poorly determined								
ROM	**III**	**25 01 35 33.1**	**41.4N**	**14.6E**	**8**	**2.1D**			**¶97iii4656**
ROM	**III**	**25 06 07 15.5**	**41.4N**	**14.7E**	**9**	**2.3D**			**¶97iii4685**
ROM	**III**	**25 17 17 48.3**	**41.4N**	**14.7E**	**18**	**1.9D**			**¶97iii4766**
ROM	**III**	**25 23 27 04.9**	**41.4N**	**14.6E**	**10**	**2.3D**			**¶97iii4810**
ROM	**III**	**26 09 17 13.3**	**41.4N**	**14.6E**	**7**	**2.9D**			**¶97iii4892**
ISC	**III**	**26 09 34 08**±2.0	**41.34N**±.094	**14.6E**±.14	**8**±16		**7**	**0-5**	
ROM	III	26 09 34 08.0	41.4N	14.7E	8	3.3D			**¶97iii4903**
ROM	**III**	**26 13 16 24.0**	**41.4N**	**14.6E**	**6**	**2.7D**			**¶97iii4971**
ROM	**III**	**26 15 52 55.2**	**41.4N**	**14.7E**	**5**	**1.8D**			**¶97iii5021**
ROM	**III**	**26 20 20 49.8**	**41.4N**	**14.6E**	**11**	**2.9D**			**¶97iii5068**
ROM	**III**	**26 20 26 00.3**	**41.4N**	**14.7E**	**10**	**2.2D**			**¶97iii5071**
ROM	**III**	**26 21 16 00.0**	**41.4N**	**14.6E**	**10**	**2.0D**			**¶97iii5080**
ISC	**III**	**27 01 27 51**±2.3	**41.4N**±.32	**14.6E**±.49	**9**±28		**5**	**0-2**	
ROM	III	27 01 27 50.5	41.4N	14.6E	6	3.0D			**¶97iii5109**
ISC	Poorly determined								

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ROM	**III 27 01 57 48.9**	**41.4N**	**14.6E**	**12**	**3.0D**		**¶97iii5115**
ROM	**III 27 03 10 13.3**	**41.4N**	**14.7E**	**14**	**2.8D**		**¶97iii5124**
ROM	**III 27 03 31 59.0**	**41.3N**	**14.6E**	**5**	**2.2D**		**¶97iii5129**
ROM	**III 27 07 51 45.4**	**41.4N**	**14.6E**	**8**	**2.3D**		**¶97iii5168**
ROM	**III 27 09 14 32.6**	**41.4N**	**14.6E**	**9**	**2.1D**		**¶97iii5180**
ROM	**III 27 10 51 34.5**	**41.4N**	**14.7E**	**9**	**2.3D**		**¶97iii5200**
ROM	**III 27 16 41 26.5**	**41.4N**	**14.6E**	**9**	**2.3D**		**¶97iii5263**
ROM	**III 27 17 57 20.7**	**41.4N**	**14.6E**	**5**	**2.0D**		**¶97iii5276**
ROM	**III 27 18 18 04.2**	**41.4N**	**14.7E**	**9**	**2.8D**		**¶97iii5280**
ISC	**III 27 18 22 05±1.7**	**42.0N±.13**	**14.1E±.18**	**5**		**4**	**0-1**
ROM	III 27 18 22 04.4	42.0N	14.0E	5	2.4D		**¶97iii5282**
ISC	Poorly determined						
ROM	**III 27 18 34 48.9**	**41.4N**	**14.7E**	**10**	**2.6D**		**¶97iii5283**
ROM	**III 27 20 11 20.9**	**41.4N**	**14.6E**	**5**	**2.3D**		**¶97iii5301**
ROM	**III 28 00 33 57.6**	**41.4N**	**14.6E**	**9**	**2.3D**		**¶97iii5338**
ROM	**III 28 01 56 03.3**	**41.4N**	**14.7E**	**22**	**1.9D**		**¶97iii5345**
ROM	**III 28 07 47 21.0**	**41.4N**	**14.6E**	**5**	**2.3D**		**¶97iii5381**
ROM	**III 28 08 11 34.7**	**41.4N**	**14.6E**	**8**	**2.7D**		**¶97iii5386**
ISC	**III 28 08 18 59±1.4**	**41.4N±.15**	**14.5E±.23**	**9**		**4**	**0-2**
ROM	III 28 08 18 58.2	41.4N	14.6E	9	2.8D		**¶97iii5389**
ISC	Poorly determined						
ROM	**III 28 16 58 28.7**	**40.8N**	**15.4E**	**10**	**2.2D**		**¶97iii5462**
ROM	**III 28 17 51 37.3**	**40.7N**	**15.4E**	**10**	**2.2D**		**¶97iii5466**
ROM	**III 28 18 04 51.1**	**41.4N**	**14.6E**	**10**	**2.1D**		**¶97iii5467**
ROM	**III 28 22 00 14.5**	**41.4N**	**14.7E**	**10**	**2.1D**		**¶97iii5491**
ROM	**III 28 22 08 20.5**	**41.4N**	**14.6E**	**5**	**2.0D**		**¶97iii5492**
ROM	**III 28 23 05 11.9**	**41.5N**	**14.6E**	**8**	**2.3D**		**¶97iii5500**
ROM	**III 29 01 55 30.6**	**41.4N**	**14.7E**	**18**	**2.2D**		**¶97iii5519**
ROM	**III 29 14 53 29.0**	**41.4N**	**14.7E**	**9**	**2.5D**		**¶97iii5604**
ROM	**III 29 19 57 12.4**	**40.7N**	**15.5E**	**10**	**2.2D**		**¶97iii5639**
ISC	**III 29 21 11 07±1.7**	**41.7N±.14**	**12.88E±.091**	**5**		**5**	**0-1**
ROM	III 29 21 11 06.7	41.7N	12.9E	5	2.7D		**¶97iii5646**
ROM	**III 29 21 36 05.1**	**41.4N**	**14.6E**	**12**	**2.2D**		**¶97iii5649**
ROM	**III 29 23 46 30.2**	**41.4N**	**14.6E**	**5**	**2.2D**		**¶97iii5662**
ROM	**III 30 00 29 45.3**	**41.4N**	**14.7E**	**10**	**2.2D**		**¶97iii5670**
ROM	**III 30 00 37 19.9**	**41.4N**	**14.6E**	**7**	**2.1D**		**¶97iii5673**
ROM	**III 30 06 42 46.8**	**41.4N**	**14.6E**	**9**	**2.6D**		**¶97iii5711**
ROM	**III 30 06 45 03.2**	**41.4N**	**14.6E**	**10**	**2.3D**		**¶97iii5712**
ROM	**III 30 07 59 22.2**	**41.4N**	**14.6E**	**7**	**2.2D**		**¶97iii5723**
ROM	**III 30 15 04 32.1**	**41.4N**	**14.6E**	**10**	**2.3D**		**¶97iii5768**
ROM	**III 31 00 39 12.5**	**41.4N**	**14.7E**	**13**	**2.0D**		**¶97iii5821**
ROM	**III 31 04 45 15.6**	**41.4N**	**14.6E**	**9**	**2.4D**		**¶97iii5842**
ROM	**III 31 08 07 29.2**	**41.4N**	**14.6E**	**5**	**2.2D**		**¶97iii5865**
ROM	**III 31 10 12 49.6**	**41.4N**	**14.7E**	**16**	**2.2D**		**¶97iii5873**
ROM	**IV 01 03 31 17.6**	**41.4N**	**14.6E**	**5**	**2.1D**		**¶97iv0018**
ROM	**IV 01 06 17 45.7**	**41.4N**	**14.6E**	**11**	**2.0D**		**¶97iv0026**
ROM	**IV 01 14 02 05.3**	**40.7N**	**15.5E**	**14**	**2.0D**		**¶97iv0079**
ROM	**IV 01 15 58 13.3**	**41.3N**	**14.7E**	**7**	**2.1D**		**¶97iv0099**
ROM	**IV 01 19 10 20.3**	**41.4N**	**14.7E**	**15**	**2.2D**		**¶97iv0129**
ROM	**IV 01 21 08 58.8**	**41.4N**	**14.7E**	**9**	**2.3D**		**¶97iv0140**
ROM	**IV 02 07 00 26.0**	**41.4N**	**14.7E**	**14**	**2.5D**		**¶97iv0199**
ROM	**IV 02 09 48 38.9**	**41.6N**	**14.7E**	**10**	**1.9D**		**¶97iv0227**
ROM	**IV 02 20 44 47.4**	**41.4N**	**14.6E**	**10**	**2.1D**		**¶97iv0313**
ROM	**IV 03 12 36 35.9**	**41.7N**	**13.4E**	**5**	**2.5D**		**¶97iv0430**
ISC	**IV 03 17 15 01±1.2**	**41.38N±.054**	**14.64E±.048**	**14±9.1**	**3.5b**	**50**	**0-73**
ROM	IV 03 17 15 01.0	41.4N	14.6E	6	3.3D		**¶97iv0455**
NEIC	IV 03 17 15 02.7	41.70N	14.76E	10			
EIDC	IV 03 17 15 08.0	41.8N	15.2E	23	3.3b,3.8L		
NEIC	Less reliable solution.						
ROM	**IV 03 17 23 08.4**	**41.4N**	**14.6E**	**5**	**2.0D**		**¶97iv0456**
ROM	**IV 03 17 36 43.7**	**41.4N**	**14.7E**	**17**	**2.0D**		**¶97iv0459**
ROM	**IV 03 17 47 57.2**	**41.3N**	**14.8E**	**16**	**2.0D**		**¶97iv0462**
ROM	**IV 03 20 31 59.1**	**41.4N**	**14.6E**	**9**	**2.3D**		**¶97iv0473**
ROM	**IV 03 23 15 17.8**	**41.4N**	**14.6E**	**5**	**2.1D**		**¶97iv0499**
ROM	**IV 04 00 21 47.1**	**41.4N**	**14.6E**	**5**	**2.0D**		**¶97iv0510**
ROM	**IV 04 00 52 01.1**	**41.4N**	**14.7E**	**8**	**2.3D**		**¶97iv0511**
ROM	**IV 04 01 17 14.2**	**41.4N**	**14.7E**	**12**	**2.5D**		**¶97iv0519**
ROM	**IV 04 01 22 52.9**	**41.4N**	**14.7E**	**10**	**2.1D**		**¶97iv0520**
ROM	**IV 04 03 23 38.5**	**41.4N**	**14.9E**	**23**	**2.1D**		**¶97iv0537**
ROM	**IV 04 03 46 33.1**	**41.4N**	**14.6E**	**8**	**2.7D**		**¶97iv0538**
ROM	**IV 04 05 35 30.7**	**41.3N**	**14.7E**	**9**	**1.9D**		**¶97iv0549**
ROM	**IV 04 05 44 05.5**	**41.4N**	**14.7E**	**12**	**2.1D**		**¶97iv0550**
ISC	**IV 04 05 52 34.9±.63**	**41.32N±.067**	**14.57E±.058**	**8**		**21**	**0-9**
ROM	IV 04 05 52 35.6	41.4N	14.7E	8	3.3D		**¶97iv0551**
NEIC	IV 04 05 52 37.6	41.30N	14.56E	100	4.4b		
ROM	**IV 04 05 53 51.2**	**41.4N**	**14.7E**	**12**	**2.7D**		**¶97iv0552**
ROM	**IV 04 06 17 03.3**	**41.4N**	**14.8E**	**17**	**2.0D**		**¶97iv0554**
ROM	**IV 04 06 27 57.9**	**41.4N**	**14.6E**	**8**	**2.7D**		**¶97iv0558**
ROM	**IV 04 09 10 02.9**	**41.4N**	**14.7E**	**8**	**3.2D**		**¶97iv0583**
ROM	**IV 04 10 27 42.5**	**41.4N**	**14.6E**	**10**	**2.7D**		**¶97iv0596**
ROM	**IV 04 12 09 30.6**	**41.3N**	**14.6E**	**7**	**2.3D**		**¶97iv0611**
ROM	**IV 04 13 08 27.1**	**41.4N**	**14.7E**	**17**	**2.0D**		**¶97iv0615**
ROM	**IV 04 16 46 35.8**	**41.4N**	**14.6E**	**10**	**2.7D**		**¶97iv0634**
ROM	**IV 04 17 50 52.8**	**41.4N**	**14.7E**	**16**	**2.2D**		**¶97iv0640**
ROM	**IV 04 18 44 13.9**	**41.4N**	**14.7E**	**15**	**2.1D**		**¶97iv0647**
ROM	**IV 04 19 35 40.3**	**41.3N**	**14.6E**	**6**	**2.5D**		**¶97iv0651**
ROM	**IV 04 20 31 51.9**	**41.4N**	**14.6E**	**9**	**2.0D**		**¶97iv0653**
ROM	**IV 04 20 44 42.4**	**41.4N**	**14.6E**	**10**	**2.3D**		**¶97iv0657**
ROM	**IV 04 21 05 17.1**	**41.4N**	**14.7E**	**12**	**2.4D**		**¶97iv0662**
ROM	**IV 05 00 22 00.0**	**41.4N**	**14.7E**	**15**	**2.4D**		**¶97iv0673**
ROM	**IV 05 03 10 45.9**	**41.4N**	**14.6E**	**8**	**2.2D**		**¶97iv0684**
ROM	**IV 05 04 47 23.6**	**41.3N**	**14.6E**	**5**	**1.8D**		**¶97iv0694**
ROM	**IV 05 05 18 31.6**	**41.4N**	**14.6E**	**9**	**2.5D**		**¶97iv0703**
ROM	**IV 05 06 06 32.9**	**41.4N**	**14.7E**	**14**	**2.3D**		**¶97iv0711**
ROM	**IV 05 07 31 11.1**	**41.4N**	**14.6E**	**8**	**2.5D**		**¶97iv0724**
ROM	**IV 05 10 35 54.8**	**41.4N**	**14.7E**	**12**	**1.9D**		**¶97iv0752**
ROM	**IV 05 10 42 36.4**	**41.4N**	**14.6E**	**7**	**2.5D**		**¶97iv0755**
ROM	**IV 05 13 06 21.7**	**41.3N**	**14.7E**	**10**	**2.2D**		**¶97iv0773**
ROM	**IV 05 17 07 10.3**	**41.4N**	**14.6E**	**5**	**2.1D**		**¶97iv0809**
ROM	**IV 05 19 26 36.1**	**41.4N**	**14.7E**	**9**	**2.3D**		**¶97iv0835**
ISC	**IV 05 21 32 03±1.4**	**41.4N±.14**	**14.5E±.23**	**7**		**4**	**0-2**
ROM	IV 05 21 32 02.3	41.4N	14.6E	7	2.9D		**¶97iv0858**
ISC	Poorly determined						
ISC	**IV 05 22 05 01±1.1**	**39.23N±.063**	**15.8E±.17**	**18**		**6**	**1-1**
ROM	IV 05 22 05 00.6	39.2N	15.9E	18	2.5D		**¶97iv0863**
ROM	**IV 05 23 45 33.1**	**41.3N**	**14.7E**	**7**	**2.2D**		**¶97iv0881**
ROM	**IV 05 23 49 51.5**	**41.4N**	**14.6E**	**10**	**2.1D**		**¶97iv0883**
ROM	**IV 06 00 18 14.7**	**41.4N**	**14.7E**	**5**	**1.9D**		**¶97iv0889**
ROM	**IV 06 06 07 39.5**	**41.4N**	**14.6E**	**10**	**2.0D**		**¶97iv0941**
ROM	**IV 06 19 07 45.3**	**41.4N**	**14.7E**	**11**	**2.0D**		**¶97iv1042**
ROM	**IV 07 00 30 47.8**	**40.9N**	**14.5E**	**5**	**2.6D**		**¶97iv1081**
ROM	**IV 07 06 15 38.5**	**41.4N**	**14.6E**	**8**	**2.9D**		**¶97iv1110**
ROM	**IV 07 06 32 27.0**	**41.4N**	**14.6E**	**5**	**1.9D**		**¶97iv1114**
ROM	**IV 07 20 35 02.4**	**41.4N**	**14.6E**	**13**	**2.0D**		**¶97iv1220**
ROM	**IV 07 21 04 09.1**	**41.4N**	**14.6E**	**8**	**2.1D**		**¶97iv1226**
ROM	**IV 08 01 06 45.5**	**41.5N**	**14.6E**	**17**	**2.2D**		**¶97iv1252**
ROM	**IV 08 04 11 23.9**	**41.4N**	**15.0E**	**23**	**2.1D**		**¶97iv1274**
ROM	**IV 08 10 54 00.3**	**41.4N**	**14.7E**	**14**	**2.0D**		**¶97iv1320**
ROM	**IV 08 15 24 37.0**	**41.4N**	**14.6E**	**5**	**1.9D**		**¶97iv1356**
ROM	**IV 09 00 04 53.9**	**41.4N**	**14.7E**	**5**	**2.0D**		**¶97iv1429**
ROM	**IV 09 19 35 42.0**	**41.4N**	**14.7E**	**10**	**2.0D**		**¶97iv1569**
ROM	**IV 09 19 46 29.3**	**41.4N**	**14.6E**	**10**	**2.0D**		**¶97iv1571**
ROM	**IV 09 20 37 01.9**	**41.4N**	**14.7E**	**10**	**2.0D**		**¶97iv1580**
ROM	**IV 09 21 19 37.9**	**41.4N**	**14.7E**	**10**	**2.2D**		**¶97iv1584**
ROM	**IV 09 21 37 32.6**	**41.4N**	**14.6E**	**5**	**2.2D**		**¶97iv1587**
ROM	**IV 09 22 05 02.8**	**41.4N**	**14.8E**	**11**	**2.0D**		**¶97iv1590**
ROM	**IV 10 01 26 21.5**	**41.4N**	**14.7E**	**5**	**1.9D**		**¶97iv1608**
ROM	**IV 10 02 26 00.7**	**41.4N**	**14.6E**	**5**	**2.1D**		**¶97iv1612**
ROM	**IV 10 10 38 24.1**	**41.7N**	**13.7E**	**5**	**2.3D**		**¶97iv1674**
ROM	**IV 10 16 23 39.2**	**41.4N**	**14.6E**	**8**	**1.9D**		**¶97iv1715**
ISC	**IV 10 19 10 52.7±.74**	**41.90N±.068**	**15.41E±.092**	**16**		**9**	**1-4**
ROM	IV 10 19 10 53.3	41.9N	15.4E	16	3.0D		**¶97iv1733**
ROM	**IV 10 20 24 29.0**	**41.4N**	**14.6E**	**8**	**2.9D**		**¶97iv1742**
ROM	**IV 10 22 44 49.5**	**41.4N**	**14.6E**	**8**	**2.1D**		**¶97iv1757**
ROM	**IV 11 00 36 39.5**	**41.4N**	**14.6E**	**7**	**2.2D**		**¶97iv1768**
ROM	**IV 11 11 13 06.2**	**40.8N**	**14.7E**	**5**	**2.4D**		**¶97iv1885**
ROM	**IV 12 01 55 34.7**	**40.7N**	**15.3E**	**10**	**2.4D**		**¶97iv1997**
ROM	**IV 12 08 48 12.4**	**41.4N**	**14.7E**	**16**	**2.0D**		**¶97iv2039**
ROM	**IV 12 12 53 22.8**	**40.7N**	**15.4E**	**11**	**2.7D**		**¶97iv2068**
ROM	**IV 12 15 37 56.2**	**40.7N**	**15.4E**	**10**	**2.1D**		**¶97iv2090**
ROM	**IV 12 15 53 49.0**	**41.4N**	**14.6E**	**5**	**2.4D**		**¶97iv2094**
ROM	**IV 12 22 14 57.8**	**41.3N**	**14.7E**	**8**	**1.9D**		**¶97iv2140**
ROM	**IV 13 05 29 05.1**	**41.4N**	**13.7E**	**5**	**2.3D**		**¶97iv2194**
ROM	**IV 13 05 32 21.0**	**40.8N**	**15.4E**	**9**	**2.2D**		**¶97iv2195**
ROM	**IV 13 10 11 13.4**	**40.7N**	**15.4E**	**9**	**2.3D**		**¶97iv2219**
ROM	**IV 13 22 49 09.1**	**41.4N**	**14.6E**	**8**	**2.4D**		**¶97iv2316**
ROM	**IV 13 22 49 33.8**	**41.4N**	**14.6E**	**7**	**2.5D**		**¶97iv2317**
ROM	**IV 14 12 02 28.1**	**41.4N**	**14.6E**	**9**	**2.2D**		**¶97iv2457**
ROM	**IV 17 17 33 54.8**	**40.9N**	**15.9E**	**5**	**2.2D**		**¶97iv2944**
ROM	**IV 17 20 04 25.0**	**40.8N**	**16.3E**	**10**	**2.4D**		**¶97iv2967**
ROM	**IV 17 21 02 44.7**	**41.4N**	**14.6E**	**9**	**2.4D**		**¶97iv2973**
ISC	**IV 17 21 42 25±1.4**	**41.31N±.041**	**14.52E±.045**	**10±11**	3.7b	**60**	**0-39**
LDG	IV 17 21 42 24.2	41.3N	14.9E		3.3L		**¶97iv2978**
NEIC	IV 17 21 42 24.6	41.23N	14.47E	10			
ROM	IV 17 21 42 25.7	41.4N	14.6E	5	3.5D		
EIDC	IV 17 21 42 33.1	42.0N	15.0E	0	3.8L,3.9b		
NEIC	Less reliable solution.						
ROM	**IV 17 22 20 25.1**	**41.4N**	**14.6E**	**5**	**2.5D**		**¶97iv2979**
ISC	**IV 18 12 10 18±1.2**	**41.4N±.13**	**14.6E±.22**	**5**		**5**	**0-2**
ROM	IV 18 12 10 17.4	41.4N	14.6E	5	3.0D		**¶97iv3070**
ISC	**IV 18 19 08 56.1±.71**	**41.97N±.073**	**15.51E±.083**	**13**		**14**	**1-4**
ROM	IV 18 19 08 57.8	41.9N	15.4E	13	3.1D		**¶97iv3107**
ROM	**IV 19 03 59 02.4**	**41.6N**	**14.9E**	**10**	**2.2D**		**¶97iv3151**
ROM	**IV 19 05 30 50.1**	**41.5N**	**14.9E**	**7**	**2.6D**		**¶97iv3161**
ISC	**IV 19 10 49 44±1.6**	**41.37N±.076**	**14.6E±.10**	**3±14**		**11**	**0-4**
ROM	IV 19 10 49 43.9	41.4N	14.6E	6	3.2D		**¶97iv3190**
ISC	**IV 19 20 14 11±1.8**	**41.7N±.17**	**12.9E±.11**	**5**		**4**	**0-1**
ROM	IV 19 20 14 11.0	41.7N	12.9E	5	2.1D		**¶97iv3232**
ISC	Poorly determined						
ROM	**IV 20 18 16 58.7**	**41.4N**	**14.6E**	**4**	**3.0D**		**¶97iv3347**
ISC	**IV 21 02 25 50±2.0**	**41.3N±.15**	**14.5E±.15**	**8±18**		**9**	**1-5**
ROM	IV 21 02 25 49.9	41.4N	14.6E	5	3.0D		**¶97iv3390**
ISC	**IV 21 15 11 08±1.2**	**41.9N±.11**	**15.2E±.11**	**5**		**6**	**1-9**
ROM	IV 21 15 11 13.0	41.4N	14.6E	5	3.1D		**¶97iv3512**
ISC	**IV 22 03 12 03.6±.60**	**41.37N±.030**	**14.61E±.027**	**20±6.4**	**3.8b**	**116**	**0-89**
LDG	IV 22 03 12 02.1	41.2N	14.8E		3.7L		**¶97iv3627**
ROM	IV 22 03 12 03.0	41.4N	14.6E	5	3.5D		
NEIC	IV 22 03 12 03.5	41.42N	14.64E	21	3.7b		
EIDC	IV 22 03 12 07.3	41.5N	14.9E	40	3.7b,4.3L		
PDG	IV 22 03 12 10.5	41.3N	15.3E	11	4.0L		
THE	IV 22 03 12 11.1	41.6N	15.4E	10	4.0L		
NEIC	$M_{L3.6}$(VIE)						
NEIC	Felt throughout Molise. Also felt in parts of Benevento Province.						
ROM	**IV 22 03 19 32.8**	**41.4N**	**14.7E**	**5**	**2.6D**		**¶97iv3630**
ROM	**IV 23 10 58 26.2**	**41.4N**	**14.6E**	**5**	**2.6D**		**¶97iv3940**
ISC	**IV 23 13 15 58±1.4**	**41.4N±.13**	**14.5E±.21**	**5**		**4**	**0-2**
ROM	IV 23 13 15 56.8	41.4N	14.6E	5	2.7D		**¶97iv3963**
ISC	Poorly determined						
ISC	**IV 23 20 51 44±1.0**	**40.7N±.11**	**15.8E±.10**	**9**		**5**	**0-2**
ROM	IV 23 20 51 44.1	40.7N	15.8E	9	2.7D		**¶97iv4025**
ROM	**IV 23 21 55 35.8**	**41.4N**	**14.6E**	**7**	**2.4D**		**¶97iv4031**
ROM	**IV 24 01 09 04.1**	**41.4N**	**14.6E**	**5**	**2.2D**		**¶97iv4056**
ROM	**IV 24 02 19 46.5**	**41.4N**	**14.6E**	**5**	**2.4D**		**¶97iv4063**
ROM	**IV 24 17 23 17.2**	**41.5N**	**14.8E**	**8**	**2.3D**		**¶97iv4186**
ISC	**IV 24 23 21 56±1.4**	**41.3N±.15**	**14.6E±.25**	**5**		**4**	**0-2**
ROM	IV 24 23 21 55.5	41.4N	14.6E	5	2.7D		**¶97iv4231**
ISC	Poorly determined						
ROM	**IV 25 00 23 32.7**	**41.5N**	**14.7E**	**10**	**2.2D**		**¶97iv4243**
ROM	**IV 25 02 10 39.0**	**41.4N**	**14.6E**	**9**	**2.3D**		**¶97iv4258**
ROM	**IV 25 03 00 29.5**	**41.4N**	**14.7E**	**8**	**2.2D**		**¶97iv4266**
ISC	**IV 25 15 39 00±1.4**	**41.3N±.14**	**14.5E±.23**	**7**		**4**	**0-2**
ROM	IV 25 15 38 59.1	41.4N	14.7E	7	2.8D		**¶97iv4374**
ISC	Poorly determined						
ROM	**IV 25 15 50 16.9**	**41.4N**	**14.7E**	**10**	**2.6D**		**¶97iv4376**
ROM	**IV 25 16 41 21.8**	**41.4N**	**14.6E**	**9**	**2.3D**		**¶97iv4380**
ROM	**IV 25 17 22 36.3**	**41.4N**	**14.7E**	**7**	**2.2D**		**¶97iv4385**
ISC	**IV 26 01 05 38±1.5**	**41.39N±.066**	**14.66E±.083**	**11±12**		**15**	**0-8**
ROM	IV 26 01 05 37.2	41.4N	14.7E	3	3.0D		**¶97iv4446**
ROM	**IV 26 01 52 23.8**	**41.4N**	**14.6E**	**8**	**2.5D**		**¶97iv4452**
ISC	**IV 26 02 14 10±1.5**	**41.7N±.12**	**12.90E±.085**	**5**		**6**	**0-1**
ROM	IV 26 02 14 10.5	41.7N	12.9E	5	2.7D		**¶97iv4454**
ROM	**IV 26 03 35 31.8**	**41.4N**	**14.7E**	**6**	**2.6D**		**¶97iv4458**
ROM	**IV 26 07 41 21.1**	**41.7N**	**12.8E**	**5**	**2.0D**		**¶97iv4492**
ROM	**IV 26 09 19 40.8**	**41.4N**	**14.7E**	**8**	**2.4D**		**¶97iv4512**
ROM	**IV 26 17 23 20.9**	**41.4N**	**14.7E**	**5**	**2.6D**		**¶97iv4584**
ROM	**IV 26 19 11 39.0**	**41.6N**	**15.0E**	**5**	**2.2D**		**¶97iv4597**
ROM	**IV 26 20 06 31.4**	**41.4N**	**14.6E**	**5**	**2.3D**		**¶97iv4602**
ROM	**IV 27 02 28 01.8**	**41.4N**	**14.7E**	**8**	**2.3D**		**¶97iv4645**

ISC	**IV**	**27 09 03 08**±2.0	**41.7N**±.19	**12.8E**±.13	**5**		**4 0-1**	
ROM	IV	27 09 03 07.8	41.7N	12.9E	5	2.1D		¶97iv4693
ISC	Poorly determined							
ROM	**IV**	**29 12 18 54.5**	**41.5N**	**14.8E**	**5**	**2.5D**		¶97iv5073
ROM	**IV**	**29 19 15 52.6**	**41.7N**	**15.3E**	**6**	**2.6D**		¶97iv5112
ROM	**IV**	**30 02 46 22.9**	**41.4N**	**14.6E**	**6**	**2.8D**		¶97iv5152
ROM	**IV**	**30 10 05 43.0**	**41.5N**	**14.2E**	**10**	**2.2D**		¶97iv5198
ROM	**IV**	**30 22 32 03.9**	**41.1N**	**15.0E**	**10**	**2.5D**		¶97iv5278
ROM	**V**	**01 01 12 40.0**	**41.4N**	**14.6E**	**5**	**1.9D**		¶97v0009
ROM	**V**	**01 06 08 55.2**	**41.4N**	**14.3E**	**10**	**2.4D**		¶97v0046
ROM	**V**	**01 11 02 54.8**	**41.4N**	**14.6E**	**10**	**2.6D**		¶97v0086
ROM	**V**	**01 18 02 33.5**	**40.6N**	**15.5E**	**5**	**2.5D**		¶97v0133
ROM	**V**	**01 20 47 15.7**	**41.4N**	**14.7E**	**12**	**2.1D**		¶97v0154
ISC	**V**	**02 09 24 00**±3.0	**39.55N**±.094	**16.0E**±.26	**13**±27		**5 0-1**	
ROM	V	02 09 24 00.1	39.6N	16.0E	14	2.5D		¶97v0244
ISC	Poorly determined							
ROM	**V**	**02 09 43 31.3**	**41.8N**	**15.4E**	**5**	**2.5D**		¶97v0246
ROM	**V**	**02 15 22 40.0**	**40.8N**	**15.2E**	**10**	**2.0D**		¶97v0290
ROM	**V**	**02 15 23 08.4**	**40.8N**	**15.1E**	**10**	**2.5D**		¶97v0291
ROM	**V**	**02 21 23 50.5**	**41.4N**	**14.6E**	**5**	**2.6D**		¶97v0330
ROM	**V**	**03 22 19 19.6**	**41.4N**	**14.6E**	**5**	**2.3D**		¶97v0504
ROM	**V**	**04 07 23 00.6**	**41.4N**	**14.6E**	**5**	**2.3D**		¶97v0584
ROM	**V**	**04 11 47 11.9**	**41.4N**	**14.6E**	**5**	**2.6D**		¶97v0633
ROM	**V**	**05 00 51 30.2**	**41.4N**	**14.6E**	**5**	**2.3D**		¶97v0717
ROM	**V**	**05 05 24 23.7**	**41.4N**	**14.5E**	**5**	**2.5D**		¶97v0744
ROM	**V**	**05 14 36 23.2**	**41.4N**	**14.7E**	**9**	**2.4D**		¶97v0798
ISC	**V**	**05 19 31 12**±9.8	**40.9N**±.37	**15.2E**±.83	**5**		**4 0-2**	
ROM	V	05 19 31 15.7	40.7N	15.5E	5	2.9D		¶97v0839
ISC	Poorly determined							
ROM	**V**	**06 02 40 13.1**	**41.4N**	**14.6E**	**5**	**2.6D**		¶97v0892
ROM	**V**	**06 09 46 56.3**	**41.4N**	**14.6E**	**5**	**2.3D**		¶97v0942
ROM	**V**	**06 10 03 03.5**	**41.4N**	**14.6E**	**5**	**2.3D**		¶97v0945
ROM	**V**	**07 00 05 22.2**	**41.4N**	**14.6E**	**9**	**2.6D**		¶97v1034
ROM	**V**	**07 10 52 52.3**	**41.4N**	**14.6E**	**5**	**2.9D**		¶97v1085
ROM	**V**	**07 11 17 16.8**	**41.4N**	**14.6E**	**5**	**2.2D**		¶97v1092
ROM	**V**	**07 15 46 34.9**	**41.3N**	**14.5E**	**29**	**2.1D**		¶97v1118
ISC	**V**	**07 20 33 32**±2.0	**41.7N**±.18	**13.2E**±.12	**10**		**4 0-1**	
ROM	V	07 20 33 31.7	41.7N	13.2E	10	2.4D		¶97v1142
ISC	Poorly determined							
ROM	**V**	**08 09 49 45.2**	**40.7N**	**15.3E**	**5**	**2.7D**		¶97v1217
ISC	**V**	**08 23 10 58**±1.6	**41.7N**±.12	**12.9E**±.11	**5**		**7 0-2**	
ROM	V	08 23 10 57.7	41.7N	12.9E	5	3.0D		¶97v1323
ROM	**V**	**09 00 32 34.5**	**41.1N**	**14.9E**	**17**	**2.4D**		¶97v1332
ROM	**V**	**09 16 10 27.5**	**41.4N**	**14.6E**	**5**	**2.8D**		¶97v1447
ROM	**V**	**09 18 58 36.2**	**41.4N**	**14.6E**	**10**	**2.7D**		¶97v1470
ROM	**V**	**09 22 36 37.5**	**41.4N**	**14.6E**	**5**	**2.4D**		¶97v1495
ROM	**V**	**10 04 40 38.4**	**41.4N**	**14.6E**	**5**	**2.2D**		¶97v1523
ROM	**V**	**10 14 23 10.5**	**41.4N**	**14.6E**	**5**	**2.6D**		¶97v1617
ROM	**V**	**10 22 39 06.5**	**41.5N**	**14.7E**	**16**	**2.1D**		¶97v1678
ROM	**V**	**10 22 52 49.0**	**41.4N**	**14.8E**	**25**	**2.0D**		¶97v1680
ROM	**V**	**11 03 29 56.2**	**41.6N**	**15.6E**	**5**	**2.2D**		¶97v1714
ROM	**V**	**12 12 22 26.3**	**41.4N**	**14.6E**	**5**	**2.4D**		¶97v1958
ROM	**V**	**12 23 19 50.0**	**41.4N**	**14.6E**	**10**	**2.2D**		¶97v2072
ROM	**V**	**13 14 46 03.2**	**41.4N**	**14.6E**	**7**	**2.8D**		¶97v2269
ROM	**V**	**13 21 05 38.9**	**41.4N**	**14.6E**	**5**	**2.7D**		¶97v2327
ISC	**V**	**15 09 46 49.6**±.99	**40.68N**±.045	**15.91E**±.045	**17**±13		**39 0-6**	
PDG	V	15 09 46 48.5	40.6N	15.6E	53	3.8L		¶97v2590
ROM	V	15 09 46 48.8	40.7N	16.0E	5	3.7D		
ISC	**V**	**16 00 50 41**±1.8	**39.74N**±.084	**16.5E**±.25	**6**		**4 0-2**	
ROM	V	16 00 50 40.6	39.7N	16.5E	6	2.6D		¶97v2705
ISC	Poorly determined							
ROM	**V**	**16 05 42 45.9**	**41.4N**	**14.7E**	**10**	**2.1D**		¶97v2729
ROM	**V**	**16 09 39 57.9**	**41.4N**	**14.7E**	**13**	**2.6D**		¶97v2751
ROM	**V**	**17 07 52 18.2**	**41.4N**	**14.6E**	**5**	**2.1D**		¶97v2897
ROM	**V**	**17 12 26 34.2**	**40.2N**	**15.1E**	**6**	**2.5D**		¶97v2926
ROM	**V**	**17 21 25 45.7**	**41.4N**	**14.7E**	**8**	**2.5D**		¶97v2990
ROM	**V**	**18 06 23 15.6**	**41.4N**	**14.6E**	**5**	**2.1D**		¶97v3036
ROM	**V**	**18 11 07 16.1**	**41.7N**	**16.0E**	**5**	**2.7D**		¶97v3070
ROM	**V**	**19 03 37 56.6**	**41.9N**	**13.2E**	**5**	**2.4D**		¶97v3186
ROM	**V**	**19 11 29 36.2**	**41.4N**	**14.7E**	**12**	**2.5D**		¶97v3250
ROM	**V**	**20 21 24 58.5**	**41.6N**	**14.0E**	**5**	**2.7D**		¶97v3461
ROM	**V**	**20 22 09 21.3**	**41.2N**	**15.0E**	**14**	**2.1D**		¶97v3468
ROM	**V**	**23 02 13 45.1**	**41.4N**	**14.7E**	**12**	**2.3D**		¶97v3866
ISC	**V**	**23 12 41 16**±1.5	**41.8N**±.19	**13.7E**±.24	**10**		**4 0-1**	
ROM	V	23 12 41 15.9	41.8N	13.6E	10	2.4D		¶97v3952
ISC	Poorly determined							
ROM	**V**	**24 02 39 58.3**	**41.5N**	**14.8E**	**8**	**2.7D**		¶97v4039
ISC	**V**	**24 11 22 36**±1.6	**40.3N**±.21	**15.8E**±.23	**5**		**4 0-2**	
ROM	V	24 11 22 35.8	40.3N	15.9E	5	2.8D		¶97v4103
ISC	Poorly determined							
ISC	**V**	**24 21 42 57**±1.6	**39.52N**±.071	**16.9E**±.19	**5**		**5 0-2**	
ROM	V	24 21 42 58.0	39.5N	16.8E	5	2.7D		¶97v4174
ROM	**V**	**24 22 41 59.3**	**41.4N**	**14.7E**	**7**	**3.0D**		¶97v4180
ROM	**V**	**25 17 20 26.1**	**41.4N**	**14.6E**	**9**	**2.2D**		¶97v4303
ROM	**V**	**26 04 29 42.9**	**41.4N**	**14.6E**	**10**	**2.3D**		¶97v4365
ROM	**V**	**26 07 17 16.4**	**40.2N**	**15.8E**	**10**	**2.3D**		¶97v4383
ISC	**V**	**26 17 09 50**±1.7	**41.4N**±.17	**15.8E**±.15	**13**		**4 1-1**	
ROM	V	26 17 09 50.0	41.4N	15.8E	13	2.9D		¶97v4444
ISC	Poorly determined							
ROM	**V**	**27 01 21 45.7**	**41.4N**	**14.7E**	**10**	**2.7D**		¶97v4496
ROM	**V**	**27 02 52 40.2**	**41.4N**	**14.7E**	**9**	**2.3D**		¶97v4506
ROM	**V**	**27 05 48 15.6**	**39.0N**	**15.3E**	**16**	**2.5D**		¶97v4519
ROM	**V**	**27 13 24 23.6**	**41.6N**	**14.0E**	**10**	**2.3D**		¶97v4574
ISC	**V**	**28 01 49 12**±7.8	**41.6N**±.45	**12.7E**±.51	**17**		**4 0-1**	
ROM	V	28 01 49 11.4	41.6N	12.7E	17	2.6D		¶97v4637
ISC	Poorly determined							
ROM	**V**	**28 07 40 22.9**	**41.4N**	**14.6E**	**10**	**2.2D**		¶97v4677
ROM	**V**	**28 08 09 03.1**	**41.4N**	**14.6E**	**5**	**2.1D**		¶97v4681
ROM	**V**	**28 13 11 25.8**	**41.7N**	**12.9E**	**5**	**2.2D**		¶97v4723
ROM	**V**	**28 20 06 36.5**	**41.4N**	**14.6E**	**8**	**2.7D**		¶97v4770
ROM	**V**	**29 14 04 23.7**	**40.3N**	**15.9E**	**10**	**2.4D**		¶97v4877
ROM	**V**	**29 23 23 13.2**	**41.4N**	**14.6E**	**10**	**2.4D**		¶97v4941
ROM	**V**	**30 08 46 45.0**	**41.4N**	**14.6E**	**10**	**2.2D**		¶97v5009
ROM	**V**	**30 14 40 52.6**	**41.4N**	**14.7E**	**10**	**2.0D**		¶97v5049
ROM	**V**	**30 15 12 12.6**	**40.9N**	**15.0E**	**8**	**2.1D**		¶97v5054
ROM	**V**	**31 15 10 04.2**	**40.0N**	**15.9E**	**10**	**2.5D**		¶97v5204
ROM	**V**	**31 22 12 06.3**	**40.7N**	**15.5E**	**5**	**2.5D**		¶97v5247
ROM	**VI**	**01 00 48 07.9**	**41.4N**	**14.7E**	**11**	**2.3D**		¶97vi0004
ROM	**VI**	**01 05 08 17.7**	**41.4N**	**14.6E**	**7**	**2.9D**		¶97vi0024
ISC	**VI**	**01 22 13 53**±2.8	**39.0N**±.11	**17.2E**±.29	**10**		**6 1-2**	
ROM	VI	01 22 13 55.3	39.0N	17.0E	10	2.9D		¶97vi0142
ROM	**VI**	**03 03 42 48.2**	**40.2N**	**15.8E**	**10**	**2.2D**		¶97vi0380
ROM	**VI**	**06 07 31 37.0**	**41.5N**	**14.7E**	**12**	**2.4D**		¶97vi0902
ROM	**VI**	**06 18 26 56.2**	**41.4N**	**14.6E**	**5**	**2.2D**		¶97vi0971
ROM	**VI**	**07 01 29 09.7**	**41.4N**	**14.6E**	**9**	**2.1D**		¶97vi1024
ROM	**VI**	**07 01 39 59.6**	**41.6N**	**14.5E**	**9**	**2.2D**		¶97vi1025
ROM	**VI**	**07 02 19 47.1**	**41.4N**	**14.6E**	**6**	**2.3D**		¶97vi1028
ROM	**VI**	**07 12 11 39.9**	**41.4N**	**14.6E**	**10**	**2.2D**		¶97vi1094
ROM	**VI**	**08 02 32 10.0**	**41.4N**	**14.6E**	**8**	**2.3D**		¶97vi1167
ROM	**VI**	**08 03 26 52.4**	**41.3N**	**14.7E**	**10**	**2.0D**		¶97vi1172
ROM	**VI**	**08 13 04 06.0**	**41.4N**	**14.6E**	**10**	**2.6D**		¶97vi1242
ROM	**VI**	**08 15 33 44.2**	**41.4N**	**14.6E**	**10**	**2.5D**		¶97vi1255
ROM	**VI**	**08 15 47 26.2**	**41.4N**	**14.6E**	**8**	**2.8D**		¶97vi1257
ROM	**VI**	**08 18 28 12.8**	**41.4N**	**14.7E**	**10**	**2.3D**		¶97vi1273
ROM	**VI**	**08 21 22 51.9**	**41.4N**	**14.7E**	**8**	**2.3D**		¶97vi1288
ISC	**VI**	**09 04 42 30**±1.1	**38.57N**±.099	**16.3E**±.20	**17**±17		**10 0-2**	
ROM	VI	09 04 42 29.4	38.6N	16.2E	4	3.0D		¶97vi1334
ROM	**VI**	**09 07 58 40.3**	**41.8N**	**15.7E**	**5**	**2.7D**		¶97vi1358
ISC	**VI**	**09 09 19 43**±1.6	**39.9N**±.11	**15.6E**±.18	**16**		**4 1-2**	
ROM	VI	09 09 19 43.1	39.9N	15.7E	16	2.4D		¶97vi1370
ISC	Poorly determined							
ISC	**VI**	**09 14 10 56.4**±.53	**38.62N**±.028	**16.22E**±.028	**20**±5.4	**4.0b**,3.5s	**124 0-126**	
MOS	VI	09 14 10 54.0	38.4N	16.3E	10	4.7b		¶97vi1403
EIDC	VI	09 14 10 54.1	38.6N	16.3E	0	3.9b,4.1L		
NEIC	VI	09 14 10 54.2	38.57N	16.21E	10	4.2b		
ROM	VI	09 14 10 56.1	38.6N	16.2E	5	3.9D		
BJI	VI	09 14 10 58.1	38.37N	16.58E	34	4.3b		
THE	VI	09 14 10 58.2	38.7N	16.4E	5	4.0L		
PDG	VI	09 14 10 59.9	38.7N	16.4E	45	4.1L		
STR	VI	09 14 11 48.3	40.00N	11.00E	10	3.7L		
ISC	**VI**	**09 14 23 31.9**±.78	**38.64N**±.064	**16.1E**±.13	**4**		**8 0-2**	
ROM	VI	09 14 23 31.1	38.6N	16.2E	4	2.9D		¶97vi1406
ROM	**VI**	**09 18 21 01.8**	**41.6N**	**15.7E**	**8**	**2.4D**		¶97vi1431
ROM	**VI**	**09 22 47 53.2**	**41.4N**	**14.6E**	**10**	**2.2D**		¶97vi1448
ISC	**VI**	**10 00 05 40**±1.0	**38.6N**±.11	**16.2E**±.20	**4**±16		**9 0-2**	
ROM	VI	10 00 05 40.0	38.5N	16.2E	5	3.1D		¶97vi1452
ROM	**VI**	**10 02 51 47.6**	**41.6N**	**14.6E**	**8**	**2.6D**		¶97vi1468
ROM	**VI**	**11 00 30 06.9**	**41.7N**	**14.4E**	**4**	**2.4D**		¶97vi1591
ISC	**VI**	**11 10 04 34**±1.0	**38.63N**±.086	**16.1E**±.15	**2**±15		**10 0-2**	
ROM	VI	11 10 04 33.1	38.6N	16.2E	5	3.2D		¶97vi1664
ROM	**VI**	**11 10 34 46.7**	**40.8N**	**15.1E**	**14**	**2.3D**		¶97vi1670
ROM	**VI**	**11 10 36 35.3**	**40.8N**	**15.1E**	**16**	**2.1D**		¶97vi1671
ISC	**VI**	**11 16 12 31**±1.1	**41.4N**±.11	**14.5E**±.23	**20**±20		**6 0-4**	
ROM	VI	11 16 12 30.1	41.4N	14.6E	8	3.2D		¶97vi1717
ROM	**VI**	**11 20 15 34.7**	**41.4N**	**14.6E**	**6**	**2.5D**		¶97vi1743
ROM	**VI**	**12 00 33 21.9**	**41.9N**	**15.3E**	**9**	**2.6D**		¶97vi1777
ROM	**VI**	**12 02 45 04.0**	**41.4N**	**14.6E**	**4**	**2.4D**		¶97vi1792
ROM	**VI**	**12 04 27 27.5**	**41.4N**	**14.7E**	**10**	**2.2D**		¶97vi1797
ISC	**VI**	**12 06 20 49**±2.4	**41.8N**±.20	**15.6E**±.16	**5**		**5 1-2**	
ROM	VI	12 06 20 47.9	41.9N	15.7E	5	2.8D		¶97vi1807
ISC	**VI**	**12 12 38 40**±1.2	**41.4N**±.13	**14.5E**±.23	**7**		**4 0-1**	
ROM	VI	12 12 38 39.6	41.4N	14.6E	7	2.8D		¶97vi1847
ISC	Poorly determined							
ISC	**VI**	**12 15 02 32**±1.0	**41.89N**±.093	**15.8E**±.12	**5**		**6 1-2**	
ROM	VI	12 15 02 32.0	41.9N	15.7E	5	2.9D		¶97vi1863
ROM	**VI**	**12 15 50 43.1**	**41.4N**	**14.6E**	**5**	**2.3D**		¶97vi1871
ROM	**VI**	**13 00 41 20.3**	**41.3N**	**13.9E**	**15**	**2.4D**		¶97vi1914
ROM	**VI**	**13 13 50 39.2**	**41.4N**	**14.0E**	**10**	**2.8D**		¶97vi1998
ISC	**VI**	**13 18 42 27.3**±.90	**38.92N**±.055	**16.3E**±.16	**5**		**6 0-1**	
ROM	VI	13 18 42 26.9	38.9N	16.4E	5	2.7D		¶97vi2023
ROM	**VI**	**13 21 10 31.2**	**41.4N**	**14.6E**	**5**	**2.4D**		¶97vi2040
ROM	**VI**	**13 22 33 52.4**	**40.8N**	**15.1E**	**9**	**2.2D**		¶97vi2051
ROM	**VI**	**14 00 45 13.3**	**41.4N**	**14.6E**	**9**	**2.4D**		¶97vi2062
ISC	**VI**	**14 01 02 41**±2.5	**38.88N**±.095	**16.6E**±.32	**6**		**6 0-2**	
ROM	VI	14 01 02 40.8	38.9N	16.6E	6	2.8D		¶97vi2064
ISC	**VI**	**14 01 02 59**±3.7	**38.9N**±.11	**16.6E**±.50	**6**		**4 0-1**	
ROM	VI	14 01 02 59.6	38.9N	16.5E	6	3.0D		¶97vi2065
ISC	Poorly determined							
ISC	**VI**	**14 01 07 31.0**±.98	**38.88N**±.070	**16.3E**±.17	**9**		**6 0-2**	
ROM	VI	14 01 07 30.6	38.9N	16.5E	9	3.0D		¶97vi2066
ISC	**VI**	**14 01 38 03**±2.0	**41.7N**±.16	**12.91E**±.097	**4**		**5 0-1**	
ROM	VI	14 01 38 03.2	41.7N	12.9E	4	2.5D		¶97vi2070
ROM	**VI**	**14 20 22 04.5**	**41.4N**	**14.7E**	**10**	**2.5D**		¶97vi2171
ISC	**VI**	**15 12 17 35**±1.0	**40.7N**±.20	**15.1E**±.32	**5**		**6 0-1**	
ROM	VI	15 12 17 34.3	40.8N	15.2E	5	2.8D		¶97vi2289
ROM	**VI**	**16 11 50 16.3**	**41.4N**	**14.6E**	**12**	**2.5D**		¶97vi2453
ROM	**VI**	**16 12 59 24.0**	**41.4N**	**14.6E**	**9**	**2.6D**		¶97vi2462
ROM	**VI**	**16 14 29 48.5**	**38.4N**	**16.2E**	**10**	**2.1D**		¶97vi2478
ISC	**VI**	**17 22 53 58.8**±.30	**39.57N**±.042	**15.38E**±.035	**294**±3.5	**3.8b**	**115 1-91**	
ROM	VI	17 22 53 55.4	39.5N	15.6E	316	3.2D		¶97vi2701
MOS	VI	17 22 53 57.3	39.4N	15.5E	296	4.0b		
NEIC	VI	17 22 53 58.3	39.56N	15.44E	298	3.9b		
EIDC	VI	17 22 54 06.8	40.0N	15.2E	348	3.4b		
ROM	**VI**	**18 23 26 03.4**	**41.1N**	**15.3E**	**10**	**2.0D**		¶97vi2844
ISC	**VI**	**19 10 44 22**±1.5	**40.6N**±.10	**15.5E**±.15	**8**±16		**8 0-3**	
ROM	VI	19 10 44 21.7	40.6N	15.5E	8	2.8D		¶97vi2903
ROM	**VI**	**19 14 27 47.2**	**40.7N**	**15.4E**	**15**	**1.9D**		¶97vi2927
ISC	**VI**	**20 02 53 55**±2.4	**41.6N**±.21	**13.23E**±.097	**10**		**5 0-1**	
ROM	VI	20 02 53 54.5	41.6N	13.2E	10	2.4D		¶97vi2994
ROM	**VI**	**21 16 19 46.0**	**41.0N**	**15.1E**	**10**	**2.2D**		¶97vi3243
ROM	**VI**	**21 19 42 05.2**	**40.3N**	**15.8E**	**10**	**2.4D**		¶97vi3272
ROM	**VI**	**22 00 13 53.8**	**40.7N**	**15.6E**	**8**	**2.2D**		¶97vi3292
ISC	**VI**	**22 15 32 54**±1.2	**38.47N**±.096	**16.0E**±.18	**10**		**4 0-1**	
ROM	VI	22 15 32 54.2	38.5N	16.0E	10	2.2D		¶97vi3404
ISC	Poorly determined							
ROM	**VI**	**22 19 20 45.2**	**40.1N**	**15.9E**	**10**	**2.3D**		¶97vi3424
ROM	**VI**	**23 11 16 24.5**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97vi3517
ROM	**VI**	**23 14 26 47.5**	**39.1N**	**15.7E**	**254**	**2.7D**		¶97vi3538
ROM	**VI**	**24 04 39 54.3**	**41.4N**	**14.7E**	**10**	**2.2D**		¶97vi3640
ROM	**VI**	**24 06 01 45.3**	**41.4N**	**14.7E**	**13**	**2.3D**		¶97vi3653
ROM	**VI**	**24 09 52 25.8**	**41.8N**	**14.2E**	**10**	**2.4D**		¶97vi3692
ROM	**VI**	**25 05 22 10.5**	**41.4N**	**14.7E**	**10**	**2.2D**		¶97vi3852
ROM	**VI**	**25 21 46 31.5**	**41.2N**	**14.2E**	**6**	**2.2D**		¶97vi4035
ROM	**VI**	**26 03 01 06.2**	**41.4N**	**14.7E**	**10**	**2.0D**		¶97vi4075
ISC	**VI**	**26 22 59 47**±2.1	**38.5N**±.12	**17.5E**±.21	**17**		**9 1-2**	
ROM	VI	26 22 59 48.6	38.5N	17.3E	17	3.1D		¶97vi4206
ISC	**VI**	**27 01 51 44**±1.0	**41.91N**±.072	**12.8E**±.12	**5**		**5 0-1**	
ROM	VI	27 01 51 43.9	41.9N	12.8E	5	2.5D		¶97vi4222
ROM	**VI**	**28 06 26 53.2**	**40.6N**	**15.9E**	**10**	**2.5D**		¶97vi4436
ROM	**VI**	**29 08 10 05.7**	**41.4N**	**14.6E**	**10**	**2.7D**		¶97vi4589

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
		(391) Albania.						
ISC	**I**	**12 12 10 51.5**±.41	**40.82N**±.018	**19.69E**±.017	**18**±4.0	**4.6b,4.7s**	**348**	**0-123**
ATH	I	12 12 10 46.0	40.97N	19.29E	5	5.2L		¶97i1676
LDG	I	12 12 10 47.7	41.1N	20.5E		4.6L		
ROM	I	12 12 10 49.1	40.8N	20.3E	10	4.5D		
MOS	I	12 12 10 49.6	40.8N	19.5E	10	5.3b,4.7s		
TIR	I	12 12 10 50.7	40.74N	19.97E	10	4.4L		
NEIC	I	12 12 10 51.3	40.96N	19.67E	10	4.8b,4.7s		
BJI	I	12 12 10 51.4	41.04N	19.67E	21	4.8b,5.1s		
THE	I	12 12 10 51.8	40.7N	19.7E	9	4.4L		
PDG	I	12 12 10 53.2	40.8N	19.4E	10	4.6L		
EIDC	I	12 12 10 59.2	41.1N	19.7E	52	4.3b,4.4s		
TIR		Felt I=V−VI MSK Dept. of Berati and Gramshi, IV−V Dept of Elbasani and Skrapari, IV Dept of Vlora, Tepelena, Korca and Kavaja, III Tirana						
NEIC		More than 70 houses damaged in the Berat District. Damage at Ura Vajgurore. Felt I=V MM at Cerri						
ISC	**I**	**12 12 17 17.4**±.76	**40.76N**±.047	**19.9E**±.11	**22**		**14**	**0-3**
TIR	I	12 12 17 16.0	40.75N	19.92E	22	2.8L		¶97i1677
ATH	I	12 12 17 21.7	40.60N	20.20E	5	3.0D		
ISC	**I**	**12 18 53 57.5**±.57	**40.62N**±.035	**19.98E**±.063	**2**		**21**	**0-2**
TIR	I	12 18 53 56.5	40.61N	20.02E	2	2.9L		¶97i1728
THE	I	12 18 54 00.0	40.6N	20.1E	0	2.6L		
ATH	I	12 18 54 02.0	40.44N	20.09E	10			
ISC	**I**	**12 18 54 21.3**±.56	**40.59N**±.046	**19.96E**±.053	**5**	3.9b	**35**	**0-21**
EIDC	I	12 18 54 02.5	38.9N	19.6E	0	3.7b,3.7L		¶97i1729
TIR	I	12 18 54 15.6	40.38N	19.70E	5	3.4L		
ROM	I	12 18 54 16.5	40.6N	20.8E	10	3.1D		
PDG	I	12 18 54 20.7	40.6N	20.1E	10	3.5L		
THE	I	12 18 54 25.2	40.7N	20.0E	0	2.8L		
ATH	I	12 18 54 27.6	40.34N	20.35E	9	3.3D		
ISC	**I**	**13 16 24 12.9**±.72	**40.75N**±.042	**19.90E**±.092	**2**		**13**	**0-2**
TIR	I	13 16 24 12.0	40.74N	19.92E	2	3.1L		¶97i1869
ATH	I	13 16 24 20.3	40.49N	20.08E	10	2.9D		
ISC	**I**	**16 15 23 17.2**±.87	**40.80N**±.051	**19.89E**±.096	**3**±14		**10**	**0-2**
TIR	I	16 15 23 16.7	40.78N	19.91E	14	2.6L		¶97i2330
ISC	**I**	**18 00 16 05**±2.3	**40.2N**±.16	**19.9E**±.11	**5**		**9**	**0-2**
TIR	I	18 00 16 05.0	40.21N	19.90E	5	2.5L		¶97i2570
ISC	**I**	**19 19 42 39.6**±.38	**40.77N**±.017	**19.71E**±.016	**20**±3.7	**4.7b,4.6s**	**371**	**0-123**
LDG	I	19 19 42 36.2	41.1N	20.5E	2	4.8L		¶97i2878
MOS	I	19 19 42 38.3	40.8N	19.7E	10	5.3b,4.5s		
BJI	I	19 19 42 38.4	40.80N	19.70E	10	5.0b		
NEIC	I	19 19 42 38.4	40.82N	19.67E	10	4.8b		
THE	I	19 19 42 38.6	40.8N	19.5E	16	4.5L		
TIR	I	19 19 42 38.9	40.71N	19.95E	16	4.4L		
ATH	I	19 19 42 39.0	40.85N	19.46E	34	4.9L		
PDG	I	19 19 42 39.2	40.7N	19.7E	9	4.7D		
EIDC	I	19 19 42 47.7	41.1N	19.8E	60	4.3b,4.3s		
NEIC		Felt I=IV MM in the Bitola-Resen area and III MM at Skopje, former Yugoslav Republic of Macedonia.						
TIR		Felt I=V MSK Dept of Berati and Gramshi, IV Dept of Skrapari, Elbasani, Tepalina, Vlora and Kavaja, III Tirana						
ISC	**I**	**20 00 42 21**±1.1	**40.67N**±.096	**19.8E**±.17	**33**		**5**	**0-1**
								¶97i2914
ISC	**I**	**21 20 09 54**±1.1	**40.24N**±.078	**19.69E**±.056	**8**±8.3		**18**	**0-4**
TIR	I	21 20 09 53.8	40.25N	19.70E	21	2.7L		¶97i3221
ISC	**I**	**25 04 45 17.7**±.34	**41.86N**±.029	**19.22E**±.038	**10**		**45**	**0-8**
NEIC	I	25 04 45 16.0	41.61N	19.05E	10			¶97i3740
TIR	I	25 04 45 17.1	41.80N	19.34E	13	3.1L		
PDG	I	25 04 45 17.5	41.8N	19.4E	18	3.1L,3.3D		
ISC	**I**	**25 11 30 28.4**±.56	**41.84N**±.054	**20.14E**±.070	**19**		**16**	**0-2**
TIR	I	25 11 30 26.9	41.84N	20.11E	19	2.4L		¶97i3801
PDG	I	25 11 30 27.3	41.8N	20.2E	14	2.8L		
ISC	**I**	**25 11 35 55.4**±.62	**41.87N**±.048	**20.12E**±.065	**13**		**13**	**0-2**
PDG	I	25 11 35 55.1	41.8N	20.2E	13	2.1L		¶97i3803
TIR	I	25 11 35 55.1	41.87N	20.12E	17	2.0L		
ISC	**I**	**25 11 37 10.6**±.57	**41.88N**±.047	**20.12E**±.061	**13**		**17**	**0-2**
PDG	I	25 11 37 11.1	41.9N	20.2E	13	2.3L		¶97i3804
ISC	**I**	**25 11 40 52.1**±.57	**41.81N**±.054	**20.15E**±.069	**17**		**16**	**0-3**
TIR	I	25 11 40 50.6	41.85N	20.14E	17	2.5L		¶97i3805
PDG	I	25 11 40 50.7	41.8N	20.2E	14	2.8L,3.0D		
ISC	**I**	**25 11 46 13.9**±.58	**41.80N**±.058	**20.15E**±.072	**20**		**15**	**0-2**
TIR	I	25 11 46 11.4	41.93N	20.16E	20	2.3L		¶97i3806
PDG	I	25 11 46 13.1	41.8N	20.1E	14	2.3L		
ISC	**I**	**26 10 04 37.6**±.46	**40.70N**±.042	**19.89E**±.050	**11**		**26**	**0-3**
THE	I	26 10 04 36.2	40.8N	19.7E	0	2.9L		¶97i3924
TIR	I	26 10 04 36.6	40.77N	19.88E	11	3.1L		
PDG	I	26 10 04 40.1	40.9N	19.8E	9	3.1L		
TIR		Felt weakly Dept. of Berati						
ISC	**I**	**26 11 37 40**±1.1	**40.68N**±.077	**19.9E**±.13	**20**		**5**	**0-1**
TIR	I	26 11 37 38.9	40.69N	19.96E	20	2.6L		¶97i3939
ISC	**I**	**27 05 15 27.2**±.44	**40.77N**±.033	**19.84E**±.052	**1**		**28**	**0-6**
TIR	I	27 05 15 27.5	40.76N	19.96E	1	3.1L		¶97i4049
PDG	I	27 05 15 31.1	40.9N	19.4E	18	3.0L		
TIR	**I**	**27 14 26 05.2**	**41.05N**	**20.12E**	**14**	**2.5L**		¶97i4093
ISC	**I**	**29 09 00 44**±1.0	**40.62N**±.095	**19.9E**±.14	**33**		**7**	**0-2**
								¶97i4326
ISC	**II**	**02 21 57 55.1**±.48	**40.37N**±.035	**19.92E**±.057	**10**		**25**	**0-4**
THE	II	02 21 57 53.7	40.4N	19.6E	10	2.7L		¶97ii0286
TIR	II	02 21 57 54.0	40.39N	20.10E	5	2.7L		
ATH	II	02 21 57 56.4	40.39N	19.88E	5	3.3D		
TIR		Felt I=III MSK at Department of Tepelena						
ISC	**II**	**09 10 03 44.0**±.37	**40.06N**±.037	**19.70E**±.038	**10**	3.7b	**42**	**0-35**
ROM	II	09 10 03 36.7	40.0N	20.7E	10	3.2D		¶97ii1293
ATH	II	09 10 03 40.7	40.07N	19.28E	5	3.4D		
NEIC	II	09 10 03 41.4	40.15N	19.25E	10			
EIDC	II	09 10 03 42.4	40.1N	18.9E	0	3.7b,3.8L		
THE	II	09 10 03 42.8	40.1N	19.5E	0	3.1L		
TIR	II	09 10 03 43.3	40.07N	19.98E	5	3.3L		
NEIC		MG3.0(SKO), Less reliable solution.						
ISC	**II**	**11 06 27 21.8**±.85	**41.76N**±.063	**19.53E**±.091	**12**		**14**	**0-2**
PDG	II	11 06 27 21.1	41.7N	19.6E	12	2.3L		¶97ii1593
TIR	II	11 06 27 21.7	41.70N	19.52E	9	2.0L		
ISC	**II**	**11 12 14 37**±1.2	**41.3N**±.10	**20.01E**±.093	**17**		**15**	**0-2**
TIR	II	11 12 14 35.8	41.41N	20.00E	17	2.4L		¶97ii1629
PDG	II	11 12 14 36.7	41.4N	20.0E	10	2.8L		
ISC	**II**	**13 20 19 37**±1.1	**41.98N**±.082	**20.4E**±.14	**16**		**5**	**0-1**
TIR	II	13 20 19 36.1	41.98N	20.39E	16	2.0L		¶97ii1975
ISC	**II**	**25 09 52 11.3**±.75	**41.48N**±.069	**20.38E**±.068	**15**		**12**	**0-2**
TIR	II	25 09 52 09.6	41.59N	20.48E	15	2.0L		¶97ii3607
PDG	II	25 09 52 10.8	41.5N	20.4E	2	2.6L		
ISC	**II**	**25 11 41 39**±2.4	**40.2N**±.16	**19.9E**±.13	**8**±15		**6**	**0-2**
TIR	II	25 11 41 38.1	40.19N	19.87E	18	2.4L		¶97ii3616
TIR		Felt weakly at Department of Tepelena						
ISC	**II**	**28 07 59 59.4**±.44	**41.58N**±.050	**20.49E**±.059	**6**		**23**	**1-4**
PDG	II	28 07 59 57.7	41.4N	20.6E	6	3.3L,3.5D		¶97ii4175
SKO	II	28 07 59 58.2	41.70N	20.40E	10			
THE	II	28 08 00 02.2	41.5N	20.7E	1	2.5L		
SKO		Felt I=III−IV MSK at Debar region						
ISC	**III**	**01 12 38 54.4**±.96	**41.63N**±.083	**20.69E**±.084	**14**		**7**	**0-1**
SKO	III	01 12 38 53.0	41.66N	20.60E	14			¶97iii0109
TIR	III	01 12 38 53.9	41.62N	20.73E	14	1.8L		
ISC	**III**	**02 09 24 51**±2.2	**41.0N**±.13	**20.1E**±.19	**5**		**4**	**0-1**
TIR	III	02 09 24 50.9	41.02N	20.10E	5	2.4L		¶97iii0271
ISC		Poorly determined						
ISC	**III**	**17 15 53 40.9**±.82	**41.23N**±.056	**19.65E**±.070	**7**		**18**	**0-3**
TIR	III	17 15 53 39.8	41.18N	19.60E	7	2.4L		¶97iii3396
PDG	III	17 15 53 41.5	41.3N	19.9E	8	3.0L		
ISC	**III**	**17 20 03 49.7**±.89	**41.39N**±.077	**20.99E**±.094	**16**		**6**	**0-1**
SKO	III	17 20 03 48.8	41.41N	20.95E	16			¶97iii3431
ISC	**III**	**24 19 29 16.7**±.52	**40.00N**±.037	**19.68E**±.052	**3**		**27**	**0-3**
TIR	III	24 19 29 17.3	40.05N	19.78E	3	3.0L		¶97iii4608
ATH	III	24 19 29 17.9	40.02N	19.60E	5	3.1D		
THE	III	24 19 29 18.3	40.0N	19.7E	1	2.8L		
ISC	**III**	**24 23 10 48.1**±.58	**41.84N**±.045	**20.36E**±.067	**4**±9.3		**24**	**0-4**
PDG	III	24 23 09 54.8	42.0N	20.1E	12	3.1L,3.1D		¶97iii4636
TIR	III	24 23 10 47.5	41.86N	20.40E	8	2.2L		
THE	III	24 23 10 50.5	41.9N	20.5E	10	2.7L		
ISC	**III**	**31 02 14 48.4**±.40	**41.16N**±.034	**20.35E**±.051	**3**		**28**	**0-3**
PDG	III	31 02 14 47.4	41.0N	20.1E	3	3.1L		¶97iii5834
TIR	III	31 02 14 47.9	41.20N	20.29E	16	2.6L		
THE	III	31 02 14 49.4	41.2N	20.4E	3	2.5L		
NEIC	III	31 02 14 51.4	41.14N	20.54E	10			
ATH	III	31 02 15 00.9	40.62N	20.96E	10			
NEIC		M_D2.9(ATH), M_L2.7(SKO), Less reliable solution.						
ISC	**IV**	**03 02 44 11**±1.0	**40.25N**±.067	**19.90E**±.095	**10**		**15**	**0-2**
THE	IV	03 02 44 06.4	40.2N	19.5E	10			¶97iv0369
TIR	IV	03 02 44 08.5	40.09N	19.87E	5	2.6L		
ATH	IV	03 02 44 11.8	39.90N	19.80E	5	2.8D		
ISC	**IV**	**06 10 15 03.7**±.86	**41.89N**±.055	**20.10E**±.091	**14**		**12**	**0-9**
PDG	IV	06 10 15 03.5	41.9N	20.2E	14	2.3L		¶97iv0977
ISC	**IV**	**06 14 06 29.6**±.75	**40.77N**±.031	**19.73E**±.038	**9**±6.3	**3.4b**	**53**	**0-74**
EIDC	IV	06 14 06 27.1	40.9N	20.6E	0	3.3b,2.3s		¶97iv1004
ATH	IV	06 14 06 27.2	40.95N	19.36E	28	3.4D		
NEIC	IV	06 14 06 28.1	40.66N	19.70E	20			
TIR	IV	06 14 06 28.9	40.76N	19.96E	9	3.4L		
PDG	IV	06 14 06 30.1	40.7N	19.5E	13	3.4L		
THE	IV	06 14 06 30.2	40.8N	19.6E	13	3.3L		
NEIC		M_L2.9(SKO), Less reliable solution.						
ISC	**IV**	**08 01 32 11.0**±.50	**40.90N**±.032	**19.73E**±.066	**3**		**24**	**0-2**
ATH	IV	08 01 32 09.6	41.05N	19.52E	3	3.0D		¶97iv1255
TIR	IV	08 01 32 10.3	40.92N	19.73E	11	3.0L		
THE	IV	08 01 32 12.0	40.9N	19.6E	10			
PDG	IV	08 01 32 13.1	41.0N	19.6E	10	3.0L		
ISC	**IV**	**11 06 24 05.0**±.68	**41.70N**±.041	**19.16E**±.070	**10**		**17**	**0-3**
PDG	IV	11 06 24 04.0	41.6N	19.0E	10	2.8L,2.6D		¶97iv1819
TIR	IV	11 06 24 04.8	41.70N	19.22E	20	2.7L		
ISC	**IV**	**15 08 44 41.0**±.50	**41.66N**±.040	**19.96E**±.061	**8**		**20**	**0-4**
PDG	IV	15 08 44 39.7	41.6N	20.0E	8	3.1L,3.1D		¶97iv2581
TIR	IV	15 08 44 42.1	41.69N	19.79E	31	2.8L		
ISC	**IV**	**17 22 36 30**±1.4	**40.86N**±.074	**19.7E**±.15	**10**		**12**	**0-2**
THE	IV	17 22 36 31.3	40.9N	19.8E	10			¶97iv2981
ISC	**IV**	**17 23 49 55**±1.9	**42.0N**±.11	**19.3E**±.11	**12**		**9**	**0-1**
PDG	IV	17 23 49 54.6	41.9N	19.3E	12	2.1L		¶97iv2994
ISC	**IV**	**21 18 57 42**±1.9	**40.16N**±.068	**19.8E**±.18	**4**±13		**10**	**0-2**
THE	IV	21 18 57 42.2	40.2N	19.7E	10			¶97iv3556
TIR	IV	21 18 57 42.5	40.13N	19.84E	12	2.6L		
ATH	IV	21 18 57 44.0	40.11N	19.66E	15	2.9D		
ISC	**IV**	**22 05 15 33.4**±.78	**41.94N**±.047	**20.21E**±.091	**10**		**13**	**0-2**
PDG	IV	22 05 15 33.4	41.9N	20.3E	10	2.3L		¶97iv3646
TIR	IV	22 05 15 34.5	41.91N	20.13E	1	2.5L		
ISC	**V**	**01 07 06 39.4**±.85	**40.01N**±.065	**19.71E**±.094	**5**		**10**	**0-2**
THE	V	01 07 06 41.0	39.9N	19.6E	5			¶97v0052
ATH	V	01 07 06 43.1	39.76N	19.97E	5			
ISC	**V**	**02 17 38 51.3**±.36	**41.77N**±.037	**20.20E**±.043	**5**		**34**	**0-6**
TIR	V	02 17 38 51.1	41.75N	20.19E	5	3.5L		¶97v0304
PDG	V	02 17 38 52.7	41.8N	20.2E	1	3.5L,3.5D		
THE	V	02 17 38 57.2	41.8N	20.7E	0	3.0L		
ISC	**V**	**02 17 41 11.0**±.59	**41.77N**±.052	**20.20E**±.061	**9**		**15**	**0-2**
PDG	V	02 17 41 11.7	41.7N	20.2E	9	2.8L		¶97v0305
ISC	**V**	**02 17 44 05.0**±.61	**41.74N**±.050	**20.14E**±.061	**15**		**15**	**0-2**
TIR	V	02 17 44 04.3	41.66N	20.31E	15	2.6L		¶97v0306
PDG	V	02 17 44 05.2	41.7N	20.2E	8	2.8L,2.8D		
ISC	**V**	**02 18 41 54.9**±.42	**41.78N**±.040	**20.18E**±.049	**11**		**32**	**0-5**
PDG	V	02 18 41 54.0	41.7N	20.2E	11	3.3L,3.1D		¶97v0312
TIR	V	02 18 41 55.1	41.80N	20.18E	1	3.2L		
THE	V	02 18 42 00.9	41.8N	20.7E	0	2.9L		
ATH	V	02 18 42 21.7	39.86N	22.05E	10			
ISC	**V**	**02 19 06 20**±1.0	**41.79N**±.065	**20.5E**±.15	**26**		**13**	**0-2**
TIR	V	02 19 06 17.8	41.91N	20.51E	26	2.1L		¶97v0317
PDG	V	02 19 06 20.1	41.8N	20.3E	10	2.5L		
ISC	**V**	**06 02 18 56**±1.1	**41.91N**±.066	**19.24E**±.086	**10**		**12**	**0-1**
TIR	V	06 02 18 56.0	41.90N	19.25E	10			¶97v0887
PDG	V	06 02 18 56.5	41.9N	19.2E	0	1.8L		
ISC	**V**	**06 04 12 33**±2.8	**41.73N**±.092	**19.5E**±.28	**16**		**7**	**0-2**
TIR	V	06 04 12 33.0	41.73N	19.72E	16	2.6L		¶97v0902
ISC	**V**	**12 21 42 59**±2.0	**42.0N**±.12	**19.3E**±.11	**10**		**9**	**0-1**
PDG	V	12 21 42 58.3	41.9N	19.3E	10	2.3L		¶97v2048
ISC	**V**	**16 07 00 49.6**±.10	**41.02N**±.014	**20.19E**±.013	**21**	**5.1b,5.3s**	**574**	**0-146**
BJI	V	16 07 00 45.9	40.38N	20.26E	20	5.5b,5.7s		¶97v2733
PDG	V	16 07 00 47.4	40.9N	20.2E	3	5.4L,5.2D		
TIR	V	16 07 00 47.8	41.00N	20.29E	21	4.6L		
EIDC	V	16 07 00 47.9	41.0N	20.3E	0	5.0b,4.9s		
NEIC	V	16 07 00 48.3	41.05N	20.17E	10	5.4b,5.3s		
MOS	V	16 07 00 48.8	41.1N	20.1E	10	5.9b,5.2s		
ATH	V	16 07 00 49.7	41.02N	20.33E	5	5.5L		
LDG	V	16 07 00 51.3	41.3N	20.2E		4.8L		
THE	V	16 07 00 51.7	40.9N	20.4E	8	4.8L		
HRVD	V	16 07 00 54.0±.5	41.06N±.07	20.14E±.07	21±3.3			

PDG Felt at Ulcinj, Podgorica III−IV MCS
TIR Felt I=IV−V MSK at Elbasani, Librazhdi, Berati, Department of Korca, IV Vlora, Department of Tirana
NEIC Mw5.4(HRV), M_L4.9(ROM)
NEIC Damage to older houses in the Lake Ohrid area. Felt at Edhessa, Florina, Kastoria and Kozani, Greece.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c43; Half duration: 1$\pm$2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.75±.05; $M_{\theta\theta}$−0.37±.07; $M_{\phi\phi}$1.11±.06; $M_{r\theta}$0.45±.12; $M_{r\phi}$−0.73±.17; $M_{\theta\phi}$0.10±.05. Principal Axes: T 1.37,Plg19°,Azm88°; N −0.13, Plg25°,Azm349°; P −1.24,Plg57°,Azm211°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S213°,δ34°,λ−40°. NP2:ϕ_S338°,δ69°,λ−117°.

ISC	**V**	**16 07 04 12**±8.3	**41.0N**±.35	**20.4E**±.44	**1**±29		**7**	**1-3**
THE	V	16 07 04 13.2	41.0N	20.4E	2	3.4L		¶97v2734
ISC	**V**	**16 08 09 22.3**±.80	**41.06N**±.054	**20.26E**±.077	**10**		**12**	**0-3**
THE	V	16 08 09 26.1	41.0N	20.4E	10	2.6L		¶97v2741
ISC	**V**	**16 09 00 54**±1.1	**41.1N**±.10	**20.3E**±.15	**33**		**6**	**0-2**
								¶97v2746
ISC	**V**	**16 10 13 49.6**±.89	**41.09N**±.063	**20.34E**±.085	**1**		**10**	**0-2**
THE	V	16 10 13 51.3	41.1N	20.4E	1	2.5L		¶97v2756
ISC	**V**	**16 10 51 49**±1.0	**41.05N**±.075	**20.2E**±.13	**19**		**6**	**0-2**
TIR	V	16 10 51 47.4	41.06N	20.19E	19	2.5L		¶97v2760
ISC	**V**	**16 13 29 04.4**±.99	**41.04N**±.069	**20.33E**±.095	**5**		**7**	**0-2**
TIR	V	16 13 29 04.0	41.05N	20.40E	5	2.5L		¶97v2780
ISC	**V**	**16 13 49 00.5**±.51	**41.10N**±.048	**20.34E**±.050	**15**		**22**	**0-5**
TIR	V	16 13 48 56.8	40.90N	20.33E	15	2.5L		¶97v2783
THE	V	16 13 49 01.0	41.1N	20.4E	0	2.8L		
ATH	V	16 13 49 08.1	40.63N	20.77E	5	3.1D		
ISC	**V**	**16 16 58 17**±2.1	**41.04N**±.091	**20.5E**±.18	**1**		**8**	**0-2**
THE	V	16 16 58 17.3	41.1N	20.4E	1	2.4L		¶97v2811
ISC	**V**	**16 18 29 53.6**±.34	**41.04N**±.031	**20.28E**±.040	**5**		**35**	**0-5**
ATH	V	16 18 29 50.4	41.40N	20.21E	5	3.3D		¶97v2819
TIR	V	16 18 29 51.8	41.01N	20.32E	14	3.3L		
PDG	V	16 18 29 53.0	41.0N	20.2E	8	3.6L,3.6D		
THE	V	16 18 29 54.9	41.1N	20.3E	0	3.1L		
ISC	**V**	**16 23 24 37.1**±.34	**41.07N**±.034	**20.26E**±.040	**5**		**35**	**0-5**
PDG	V	16 23 24 36.6	41.0N	20.2E	5	3.3L		¶97v2845
TIR	V	16 23 24 36.8	41.11N	20.19E	15	3.2L		
THE	V	16 23 24 38.4	41.1N	20.3E	0	2.9L		
ATH	V	16 23 24 39.5	41.19N	20.18E	35	3.2D		
ISC	**V**	**16 23 49 59.3**±.55	**41.02N**±.048	**20.26E**±.055	**0**		**16**	**0-4**
THE	V	16 23 50 00.9	41.0N	20.3E	0	2.7L		¶97v2850
ISC	**V**	**17 16 58 13.4**±.86	**41.05N**±.053	**20.31E**±.080	**2**±12		**13**	**0-2**
THE	V	17 16 58 13.0	41.2N	20.2E	0	2.5L		¶97v2961
ISC	**V**	**18 02 44 07.9**±.43	**41.08N**±.041	**20.29E**±.045	**8**		**33**	**0-5**
PDG	V	18 02 44 05.4	41.0N	20.4E	8	3.1L		¶97v3019
TIR	V	18 02 44 05.5	40.99N	20.31E	9	2.9L		
THE	V	18 02 44 08.2	41.1N	20.4E	0	2.8L		
ATH	V	18 02 44 25.1	39.91N	21.66E	10	3.1D		
ISC	**V**	**18 03 02 09.1**±.55	**41.05N**±.020	**20.20E**±.020	**8**±4.1	**4.3b,3.1s**	**202**	**0-123**
BJI	V	18 03 02 05.9	41.00N	20.20E	10	4.8b		¶97v3023
TIR	V	18 03 02 08.0	41.11N	20.43E	5	4.3L		
PDG	V	18 03 02 08.1	41.0N	20.3E	1	4.4L,4.4D		
ROM	V	18 03 02 08.4	41.0N	20.5E	10	3.9D		
EIDC	V	18 03 02 08.6	41.0N	20.3E	0	4.2b,3.1s		
NEIC	V	18 03 02 08.9	41.06N	20.25E	10	4.2b		
MOS	V	18 03 02 09.1	41.0N	20.2E	10	5.0b		
THE	V	18 03 02 11.6	41.0N	20.4E	1	3.9L		
ATH	V	18 03 02 15.0	41.01N	20.60E	20	4.4L		
NEIC	Felt throughout the southwestern part of the former Yugoslav Republic of Macedonia.							
ISC	**V**	**18 10 30 23.2**±.85	**41.13N**±.065	**20.30E**±.085	**6**		**12**	**0-3**
THE	V	18 10 30 25.3	41.1N	20.4E	6	2.3L		¶97v3066
ISC	**V**	**18 21 52 49.3**±.45	**41.03N**±.046	**20.31E**±.051	**16**		**27**	**0-5**
TIR	V	18 21 52 45.3	40.88N	20.47E	16	3.1L		¶97v3153
PDG	V	18 21 52 46.1	41.0N	20.4E	9	3.0L		
THE	V	18 21 52 48.8	41.1N	20.3E	0	2.7L		
ISC	**V**	**19 04 15 25**±1.8	**42.0N**±.11	**19.3E**±.11	**15**		**9**	**0-1**
PDG	V	19 04 15 24.4	41.9N	19.3E	15	1.9L		¶97v3192
ISC	**V**	**19 04 45 15**±1.9	**42.0N**±.11	**19.3E**±.11	**10**		**9**	**0-1**
PDG	V	19 04 45 14.6	41.8N	19.3E	10	1.9L		¶97v3198
ISC	**V**	**19 20 16 12.1**±.60	**41.04N**±.022	**20.18E**±.022	**10**±4.6	**4.0b**	**171**	**0-123**
MOS	V	19 20 16 11.0	41.0N	20.2E	10	5.0b		¶97v3302
PDG	V	19 20 16 11.6	40.9N	20.2E	0	4.3L,4.1D		
ATH	V	19 20 16 11.8	41.14N	20.27E	5	4.4L		
TIR	V	19 20 16 11.9	41.03N	20.27E	22	3.8L		
NEIC	V	19 20 16 11.9	41.10N	20.18E	10	4.2b		
EIDC	V	19 20 16 11.9	41.0N	20.2E	0	4.0b,4.0L		
THE	V	19 20 16 13.0	41.1N	20.3E	1	3.7L		
ISC	**V**	**24 21 38 52.2**±.48	**41.06N**±.044	**20.29E**±.055	**1**		**23**	**0-3**
TIR	V	24 21 38 48.0	41.12N	20.66E	1	2.6L		¶97v4173
PDG	V	24 21 38 51.9	40.9N	20.1E	5			
THE	V	24 21 38 53.8	41.1N	20.3E	1	2.6L		
ISC	**V**	**25 12 30 56.8**±.71	**41.10N**±.045	**20.32E**±.072	**7**		**14**	**0-3**
ATH	V	25 12 30 53.7	41.42N	20.30E	7	3.0D		¶97v4271
THE	V	25 12 30 55.0	41.3N	20.3E	5	2.6L		
TIR	V	25 12 30 55.8	41.01N	20.35E	5	2.5L		
ISC	**V**	**25 15 06 54**±2.0	**41.1N**±.15	**20.3E**±.12	**3**±21		**6**	**0-2**
								¶97v4291
ISC	**V**	**27 21 06 02.1**±.60	**41.81N**±.052	**20.16E**±.062	**10**		**13**	**0-2**
PDG	V	27 21 06 01.3	41.7N	20.3E	10	2.8L		¶97v4609
ISC	**VI**	**02 01 33 29.3**±.79	**41.09N**±.050	**20.21E**±.082	**12**		**13**	**0-3**
TIR	VI	02 01 33 28.8	41.06N	20.25E	12	2.5L		¶97vi0160
THE	VI	02 01 33 30.9	41.0N	20.3E	3			
ISC	**VI**	**02 02 19 35.5**±.55	**41.77N**±.059	**20.18E**±.070	**17**		**14**	**0-2**
PDG	VI	02 02 19 33.7	41.7N	20.3E	17	2.5L		¶97vi0164
TIR	VI	02 02 19 33.9	41.81N	20.17E	21	2.2L		
ISC	**VI**	**03 01 13 45.4**±.47	**40.18N**±.024	**19.75E**±.022	**23**±5.1	**4.0b**,2.5s	**172**	**0-123**
PDG	VI	03 01 13 36.6	39.3N	19.5E	44	4.2L,4.1D		¶97vi0364
ROM	VI	03 01 13 36.8	40.0N	20.8E	10	4.1D		
MOS	VI	03 01 13 42.4	40.1N	19.6E	10	4.3b		
NEIC	VI	03 01 13 42.7	40.25N	19.95E	10	4.1b		
ATH	VI	03 01 13 42.8	40.24N	19.65E	5	4.3L		
EIDC	VI	03 01 13 43.0	40.2N	20.1E	0	4.0b,4.4L		
TIR	VI	03 01 13 44.3	40.13N	19.85E	15	4.2L		
LDG	VI	03 01 13 45.0	40.9N	20.6E		4.1L		
THE	VI	03 01 13 46.0	40.1N	19.9E	0	3.7L		
TIR	Felt I=I MSK Department of Tepelena							
ISC	**VI**	**03 11 42 58.4**±.82	**40.10N**±.071	**19.86E**±.079	**17**		**14**	**0-2**
TIR	VI	03 11 42 58.1	40.20N	19.98E	0	3.0L		¶97vi0444
THE	VI	03 11 43 03.5	40.1N	20.4E	17			
ATH	VI	03 11 43 05.3	40.02N	20.35E	5	2.9D		
ISC	**VI**	**04 10 20 30.3**±.38	**41.03N**±.036	**20.30E**±.044	**8**		**31**	**0-4**
PDG	VI	04 10 20 28.7	40.9N	20.3E	8	3.0L		¶97vi0596
TIR	VI	04 10 20 28.9	41.02N	20.28E	12	3.1L		
THE	VI	04 10 20 29.8	41.1N	20.2E	3	2.9L		
ATH	VI	04 10 20 32.2	40.98N	20.33E	5	3.2D		
ISC	**VI**	**04 10 39 56.0**±.93	**41.78N**±.068	**19.53E**±.088	**10**		**12**	**0-2**
TIR	VI	04 10 39 55.3	41.72N	19.48E	23	2.4L		¶97vi0600
PDG	VI	04 10 39 56.3	41.7N	19.6E	10	2.6L		
ISC	**VI**	**04 16 39 01**±3.6	**40.8N**±.22	**20.0E**±.33	**33**		**7**	**1-2**
								¶97vi0646
ISC	**VI**	**04 20 11 13.5**±.66	**40.98N**±.031	**19.63E**±.036	**2**±6.0		**43**	**0-8**
ROM	VI	04 20 11 11.2	40.9N	20.1E	10	3.0D		¶97vi0669
ATH	VI	04 20 11 12.6	41.17N	19.50E	7	3.2D		
PDG	VI	04 20 11 14.7	40.9N	19.4E	21	3.1L		
TIR	VI	04 20 11 14.7	41.00N	19.74E	15	3.0L		
THE	VI	04 20 11 17.2	40.9N	19.9E	3	3.0L		
ISC	**VI**	**05 17 07 57.3**±.44	**41.10N**±.037	**20.33E**±.051	**5**		**29**	**0-3**
ATH	VI	05 17 07 54.3	41.50N	20.36E	5	3.1D		¶97vi0808
TIR	VI	05 17 07 55.9	41.02N	20.25E	7	2.7L		
PDG	VI	05 17 07 58.7	41.0N	20.0E	11	2.8L		
THE	VI	05 17 07 59.8	41.0N	20.4E	3	2.8L		
ISC	**VI**	**06 00 10 37.3**±.94	**41.01N**±.057	**20.25E**±.092	**9**		**8**	**0-2**
TIR	VI	06 00 10 37.1	41.00N	20.27E	9	2.1L		¶97vi0855
ISC	**VI**	**11 00 14 07**±1.2	**41.1N**±.10	**20.3E**±.16	**33**		**5**	**0-1**
								¶97vi1589
ISC	**VI**	**15 18 07 16.6**±.63	**41.12N**±.037	**19.75E**±.052	**4**±7.0		**22**	**0-5**
TIR	VI	15 18 07 16.6	41.17N	19.81E	30	2.8L		¶97vi2340
PDG	VI	15 18 07 19.7	41.2N	19.7E	14	2.6L		
ROM	VI	15 18 07 32.3	40.8N	18.4E	10	3.0D		
ISC	**VI**	**16 10 58 21.2**±.27	**41.04N**±.027	**20.27E**±.031	**10**	**3.9b**	**57**	**0-57**
ROM	VI	16 10 58 13.4	41.2N	21.2E	10	3.6D		¶97vi2444
PDG	VI	16 10 58 18.5	40.9N	20.3E	0	3.8L,3.8D		
TIR	VI	16 10 58 19.8	41.05N	10.18E	12	3.5L		
NEIC	VI	16 10 58 20.5	41.08N	20.35E	10			
EIDC	VI	16 10 58 20.8	41.0N	20.6E	0	3.8b,3.8L		
ATH	VI	16 10 58 21.4	41.15N	20.34E	10	3.5D		
THE	VI	16 10 58 22.5	41.1N	20.4E	1	3.3L		
NEIC	Less reliable solution.							
SKO	**VI**	**18 14 59 33.6**	**41.30N**	**20.86E**	**12**			¶97vi2801
ISC	**VI**	**18 16 09 27**±1.6	**41.5N**±.13	**19.4E**±.14	**21**		**13**	**0-2**
TIR	VI	18 16 09 25.8	41.61N	19.42E	21	2.3L		¶97vi2805
PDG	VI	18 16 09 28.5	41.7N	19.5E	9	2.2L		
ISC	**VI**	**19 14 07 04.3**±.32	**40.47N**±.030	**19.99E**±.036	**11**		**39**	**0-5**
TIR	VI	19 14 07 03.2	40.53N	20.04E	11	3.3L		¶97vi2925
THE	VI	19 14 07 04.8	40.5N	20.0E	1	3.2L		
ATH	VI	19 14 07 05.9	40.36N	19.99E	5	3.2D		
PDG	VI	19 14 07 07.2	40.7N	19.6E	14	3.3L		
ROM	VI	19 14 07 16.4	40.3N	19.1E	57	3.2D		
ISC	**VI**	**20 18 24 09.5**±.75	**40.52N**±.053	**19.98E**±.076	**12**		**13**	**0-2**
TIR	VI	20 18 24 08.4	40.50N	20.08E	12	2.5L		¶97vi3095
THE	VI	20 18 24 09.9	40.6N	20.0E	3	2.5L		
ISC	**VI**	**24 02 45 48.6**±.43	**41.08N**±.037	**20.24E**±.054	**8**		**23**	**0-3**
PDG	VI	24 02 45 45.1	40.8N	20.0E	8	3.1L		¶97vi3622
ATH	VI	24 02 45 46.4	41.37N	20.22E	10	3.2D		
THE	VI	24 02 45 47.4	41.3N	20.1E	3	2.9L		
TIR	VI	24 02 45 47.5	41.05N	20.24E	17	2.7L		
ISC	**VI**	**25 04 47 53.6**±.84	**41.90N**±.079	**20.22E**±.080	**11**		**10**	**1-2**
PDG	VI	25 04 47 53.8	41.9N	20.3E	11	2.3L		¶97vi3850
ISC	**VI**	**27 12 42 42**±1.3	**41.4N**±.12	**20.47E**±.078	**7**		**12**	**0-3**
THE	VI	27 12 42 45.8	41.2N	20.6E	7			¶97vi4295
ISC	**VI**	**28 15 32 30.2**±.82	**41.01N**±.057	**20.24E**±.081	**10**		**16**	**0-3**
TIR	VI	28 15 32 28.7	40.97N	20.31E	10	2.5L		¶97vi4498
THE	VI	28 15 32 31.0	41.1N	20.3E	1	2.9L		
ISC	**VI**	**30 00 22 31.7**±.82	**41.01N**±.055	**20.29E**±.080	**1**		**12**	**0-3**
THE	VI	30 00 22 32.3	41.1N	20.2E	1			¶97vi4689

(392) Greece-Albania border region.

ATH	**I**	**01 04 16 27.9**	**40.03N**	**20.15E**	**5**			¶97i0024
ISC	**I**	**02 15 47 14.3**±.70	**40.10N**±.056	**20.68E**±.094	**14**±9.9		**12**	**0-2**
THE	I	02 15 47 08.3	40.1N	20.1E	1	2.6L		¶97i0235
ATH	I	02 15 47 13.8	40.02N	20.33E	5	3.0D		
TIR	I	02 15 47 15.8	40.14N	20.63E	1	2.5L		
ISC	**I**	**13 02 00 55.7**±.71	**40.60N**±.051	**20.08E**±.069	**2**		**10**	**0-2**
TIR	I	13 02 00 55.1	40.62N	20.11E	2	2.4L		¶97i1768
ISC	**I**	**14 07 27 57.6**±.76	**40.10N**±.064	**20.70E**±.056	**5**		**15**	**0-2**
TIR	I	14 07 27 57.3	40.11N	20.71E	5	2.7L		¶97i1969
THE	I	14 07 28 00.5	40.4N	20.8E	18	2.5L		
ISC	**I**	**14 11 06 16.3**±.76	**39.35N**±.055	**20.55E**±.057	**5**		**25**	**0-3**
TIR	I	14 11 06 14.9	39.34N	20.53E	0	2.6L		¶97i1983
THE	I	14 11 06 17.0	39.3N	20.6E	0	3.0L		
ATH	I	14 11 06 17.2	39.40N	20.58E	5	3.1D		
ISC	**I**	**14 22 58 17.2**±.50	**40.57N**±.024	**20.78E**±.024	**11**±4.3	**3.8b**	**121**	**0-93**
ROM	I	14 22 58 10.1	40.5N	21.8E	10	3.7D		¶97i2073
TIR	I	14 22 58 16.5	40.53N	20.84E	2	3.6L		
NEIC	I	14 22 58 16.5	40.55N	20.69E	10	4.1b		
LDG	I	14 22 58 17.6	41.1N	21.4E		3.9L		
PDG	I	14 22 58 18.4	40.4N	20.4E	10	4.0L,3.8D		
ATH	I	14 22 58 18.5	40.53N	20.90E	5	4.1L		
THE	I	14 22 58 18.6	40.5N	20.9E	8	3.7L		
EIDC	I	14 22 58 21.0	40.9N	20.9E	0	3.5b,4.2L		
TIR	Felt I=IV MSK Dept. of Korca							
NEIC	$M_{L3.5}$(SKO).							
ISC	**I**	**15 10 56 25**±2.5	**40.6N**±.13	**20.9E**±.18	**7**±20		**7**	**0-2**
THE	I	15 10 56 23.0	40.6N	20.7E	2	2.6L		¶97i2142
ISC	**I**	**15 18 21 40.3**±.59	**40.52N**±.037	**20.89E**±.057	**2**±11		**19**	**0-2**
TIR	I	15 18 21 39.9	40.51N	20.89E	5	2.8L		¶97i2191
ATH	I	15 18 21 41.0	40.67N	20.94E	5	3.0D		
THE	I	15 18 21 42.5	40.5N	21.0E	5	2.7L		
ISC	**I**	**16 03 32 48.9**±.54	**40.52N**±.044	**20.88E**±.054	**7**		**16**	**0-2**
TIR	I	16 03 32 47.7	40.51N	20.93E	7	2.6L		¶97i2252
THE	I	16 03 32 51.9	40.6N	21.1E	6	2.5L		
ATH	I	16 03 32 55.8	40.43N	21.36E	10	2.7D		
ISC	**I**	**17 14 13 26.2**±.65	**40.42N**±.045	**20.64E**±.060	**10**		**18**	**0-2**
TIR	I	17 14 13 25.3	40.39N	20.70E	10	2.4L		¶97i2466
THE	I	17 14 13 30.5	40.4N	20.9E	7	2.5L		
ISC	**I**	**17 22 58 45.0**±.92	**39.56N**±.067	**20.21E**±.091	**23**		**15**	**0-3**
ATH	I	17 22 58 44.5	39.69N	20.27E	23			¶97i2555
THE	I	17 22 58 45.9	39.4N	20.3E	4	2.6L		
ISC	**I**	**18 14 38 20**±1.3	**39.26N**±.060	**20.5E**±.15	**5**		**10**	**0-3**
ATH	I	18 14 38 20.3	39.29N	20.50E	5	3.0D		¶97i2675
THE	I	18 14 38 20.8	39.3N	20.5E	0	2.7L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ATH	**I**	**20 01 46 13.1**	**39.53N**	**20.39E**	**28**		¶97i2922	
ISC	**I**	**20 03 30 36.9**±.84	**39.69N**±.058	**20.37E**±.080	**5**		**9**	**0-2**
ATH	I	20 03 30 36.5	39.85N	20.42E	5		¶97i2935	
THE	I	20 03 30 38.2	39.7N	20.4E	7			
ISC	**I**	**25 05 52 59.1**±.79	**39.06N**±.067	**20.90E**±.074	**39**		**23**	**1-3**
ATH	I	25 05 52 54.0	39.27N	21.49E	39	3.2D	¶97i3754	
THE	I	25 05 52 57.9	39.1N	20.9E	0	2.8L		
ISC	**II**	**03 15 33 39.5**±.44	**40.10N**±.036	**20.71E**±.045	**5**		**26**	**0-3**
TIR	II	03 15 33 38.7	40.10N	20.74E	5	2.4L	¶97ii0397	
ATH	II	03 15 33 40.0	40.13N	20.75E	5	3.0D		
THE	II	03 15 33 40.5	40.1N	20.7E	0	2.7L		
ISC	**II**	**04 02 38 35**±1.7	**40.25N**±.055	**20.6E**±.19	**5**		**9**	**1-2**
ATH	II	04 02 38 34.2	40.32N	20.58E	5	2.9D	¶97ii0447	
ISC	**II**	**06 23 21 52.2**±.58	**39.87N**±.043	**20.70E**±.065	**5**		**16**	**0-2**
THE	II	06 23 21 52.8	39.8N	20.7E	0		¶97ii0916	
ATH	II	06 23 21 53.2	39.94N	20.73E	5	2.7D		
ISC	**II**	**09 20 49 28.6**±.34	**40.59N**±.031	**20.93E**±.034	**5**		**38**	**0-6**
TIR	II	09 20 49 28.0	40.66N	20.90E	5	2.8L	¶97ii1363	
THE	II	09 20 49 30.0	40.6N	21.0E	5	2.8L		
ATH	II	09 20 49 36.3	39.99N	21.53E	5	3.1D		
PDG	II	09 20 49 36.7	41.0N	20.6E	11	2.8L		
ISC	**II**	**10 22 21 43.1**±.59	**40.01N**±.041	**20.71E**±.062	**0**		**20**	**0-2**
THE	II	10 22 21 43.1	40.1N	20.6E	0	2.4L	¶97ii1533	
ISC	**II**	**11 08 55 00**±1.2	**40.18N**±.061	**20.6E**±.12	**1**		**10**	**1-3**
THE	II	11 08 55 02.0	40.1N	20.7E	1	2.3L	¶97ii1607	
ISC	**II**	**12 20 54 48.1**±.44	**40.01N**±.036	**20.70E**±.043	**5**		**25**	**0-5**
TIR	II	12 20 54 47.3	40.06N	20.75E	5	2.9L	¶97ii1818	
ATH	II	12 20 54 49.3	40.00N	20.76E	5	3.1D		
THE	II	12 20 54 49.4	40.0N	20.7E	0	2.6L		
ATH	**II**	**15 23 56 50.4**	**39.59N**	**20.18E**	**4**		¶97ii2314	
ATH	**II**	**16 21 25 10.1**	**39.88N**	**20.60E**	**5**		¶97ii2426	
ISC	**II**	**19 04 03 28**±1.2	**40.07N**±.089	**20.7E**±.10	**10**		**10**	**1-2**
THE	II	19 04 03 27.1	40.2N	20.5E	10	3.6L	¶97ii2732	
ISC	**II**	**19 09 57 31**±1.9	**39.7N**±.13	**19.8E**±.17	**24**		**16**	**0-3**
ATH	II	19 09 57 24.1	39.80N	20.56E	5	3.0D	¶97ii2761	
THE	II	19 09 57 31.9	39.8N	19.8E	24	2.8L		
ISC	**II**	**20 23 51 30.1**±.94	**39.32N**±.064	**20.9E**±.10	**5**		**7**	**0-3**
ATH	II	20 23 51 30.9	39.32N	20.86E	5	2.8D	¶97ii2992	
ISC	**II**	**23 09 24 15**±1.1	**39.46N**±.057	**20.40E**±.092	**2**±7.9		**17**	**0-3**
ATH	II	23 09 24 15.2	39.49N	20.18E	5	3.0D	¶97ii3313	
THE	II	23 09 24 16.1	39.4N	20.3E	5	2.6L		
ISC	**II**	**26 04 50 16.7**±.50	**40.05N**±.038	**20.85E**±.053	**5**		**21**	**0-3**
TIR	II	26 04 50 15.1	40.01N	20.80E	5		¶97ii3744	
THE	II	26 04 50 16.4	40.1N	20.7E	1	2.5L		
ATH	II	26 04 50 18.1	40.10N	20.91E	5	2.8D		
ISC	**II**	**27 14 58 19.9**±.54	**40.06N**±.044	**20.71E**±.054	**5**		**20**	**0-3**
ATH	II	27 14 58 19.5	40.04N	20.59E	5	3.1D	¶97ii3974	
THE	II	27 14 58 21.4	40.0N	20.8E	2	2.6L		
ISC	**III**	**03 08 59 13.1**±.54	**39.38N**±.042	**20.69E**±.051	**3**	**3.8b**	**35**	**0-72**
EIDC	III	03 08 59 12.0	39.0N	23.6E	0	3.7b	¶97iii0528	
TIR	III	03 08 59 12.9	39.40N	20.70E	3	3.6L		
THE	III	03 08 59 13.9	39.4N	20.7E	0	3.3L		
ATH	III	03 08 59 14.7	39.51N	20.69E	5	3.4D		
ISC	**III**	**03 16 12 13.1**±.99	**39.40N**±.057	**20.8E**±.11	**5**		**12**	**0-3**
ATH	III	03 16 12 13.1	39.44N	20.70E	5	3.0D	¶97iii0635	
THE	III	03 16 12 13.1	39.4N	20.7E	5	2.6L		
ISC	**III**	**05 01 43 19**±1.0	**40.71N**±.063	**20.6E**±.11	**8**		**7**	**0-2**
TIR	III	05 01 43 18.3	40.73N	20.62E	8		¶97iii0960	
ISC	**III**	**06 04 26 11**±1.6	**39.49N**±.071	**20.5E**±.16	**5**		**6**	**0-2**
ATH	III	06 04 26 08.1	39.65N	20.18E	5		¶97iii1192	
THE	III	06 04 26 11.6	39.5N	20.4E	1			
ISC	**III**	**07 16 14 26.3**±.86	**39.45N**±.076	**20.71E**±.077	**7**		**8**	**0-2**
ATH	III	07 16 14 24.7	39.74N	21.00E	35	2.8D	¶97iii1545	
THE	III	07 16 14 25.6	39.3N	20.6E	7	2.4L		
ISC	**III**	**08 07 36 17**±1.5	**40.68N**±.069	**20.6E**±.16	**8**±12		**8**	**0-2**
THE	III	08 07 36 19.2	40.6N	20.7E	4	2.5L	¶97iii1698	
ISC	**III**	**10 06 58 11.6**±.48	**39.99N**±.034	**20.61E**±.054	**5**	3.8b	**28**	**0-72**
TIR	III	10 06 58 08.2	39.87N	20.69E	0	3.1L	¶97iii2159	
THE	III	10 06 58 12.8	40.0N	20.7E	0	2.9L		
ATH	III	10 06 58 12.9	39.99N	20.69E	5	3.1D		
ISC	**III**	**10 07 12 31.3**±.71	**39.33N**±.054	**20.88E**±.066	**1**		**15**	**0-3**
THE	III	10 07 12 31.7	39.3N	20.8E	1	2.5L	¶97iii2164	
ATH	III	10 07 12 32.4	39.33N	20.96E	2	2.9D		
ISC	**III**	**14 03 21 19.3**±.42	**40.02N**±.035	**20.73E**±.042	**1**		**24**	**0-4**
TIR	III	14 03 21 19.0	40.06N	20.76E	1	3.2L	¶97iii2805	
THE	III	14 03 21 20.4	40.1N	20.7E	1	2.5L		
ATH	III	14 03 21 20.8	40.03N	20.74E	5	3.0D		
ISC	**III**	**17 16 57 03.5**±.99	**40.43N**±.071	**20.00E**±.095	**11**		**7**	**0-2**
TIR	III	17 16 57 03.3	40.43N	20.01E	11	2.2L	¶97iii3403	
ISC	**III**	**20 19 59 45.4**±.82	**39.42N**±.063	**20.45E**±.077	**10**		**12**	**0-3**
THE	III	20 19 59 46.1	39.4N	20.4E	10	2.4L	¶97iii3946	
ATH	III	20 19 59 46.5	39.41N	20.24E	49	2.9D		
ATH	**III**	**23 11 52 32.9**	**39.75N**	**20.12E**	**5**	**3.0D**	¶97iii4437	
THE	III	23 11 51 50.5	38.8N	21.6E	10	2.3L		
ISC	**III**	**23 11 53 01.8**±.80	**39.79N**±.075	**20.15E**±.072	**10**		**14**	**0-3**
THE	III	23 11 52 59.3	39.7N	20.0E	10	2.8L	¶97iii4438	
TIR	III	23 11 53 03.4	39.98N	20.21E	15	3.0L		
ISC	**III**	**24 04 43 15.1**±.54	**39.79N**±.040	**20.76E**±.054	**5**	3.6b	**26**	**0-30**
TIR	III	24 04 43 15.0	39.82N	20.73E	5	3.0L	¶97iii4530	
THE	III	24 04 43 15.9	39.8N	20.7E	10	2.8L		
ATH	III	24 04 43 16.2	39.75N	20.68E	4	3.1D		
ISC	**III**	**29 05 45 40**±2.2	**39.3N**±.15	**20.6E**±.13	**2**		**12**	**0-3**
THE	III	29 05 45 39.8	39.3N	20.5E	2	2.8L	¶97iii5543	
ISC	**III**	**29 16 22 44**±3.2	**40.16N**±.086	**20.1E**±.33	**10**		**5**	**1-2**
THE	III	29 16 22 46.4	40.1N	20.2E	10	2.4L	¶97iii5619	
ISC	**III**	**30 15 36 06.5**±.49	**39.67N**±.039	**20.31E**±.045	**2**	3.7b	**32**	**0-22**
EIDC	III	30 15 36 05.7	39.9N	21.7E	0	3.6b,3.6L	¶97iii5770	
TIR	III	30 15 36 05.8	39.67N	20.35E	2	3.3L		
ATH	III	30 15 36 06.8	39.69N	20.29E	6	2.8D		
THE	III	30 15 36 07.4	39.7N	20.3E	0	3.3L		
NEIC	III	30 15 36 07.5	39.69N	20.12E	33			
NEIC	Less reliable solution.							
ISC	**III**	**31 01 35 22**±2.0	**39.59N**±.090	**19.8E**±.20	**5**		**6**	**0-2**
ATH	III	31 01 35 21.1	39.60N	19.66E	5	3.0D	¶97iii5827	
ISC	**IV**	**03 23 30 38**±1.0	**39.81N**±.063	**20.6E**±.11	**1**		**7**	**0-2**
THE	IV	03 23 30 39.1	39.8N	20.6E	1		¶97iv0503	
ISC	**IV**	**10 04 24 44.6**±.83	**40.46N**±.059	**20.13E**±.082	**1**		**9**	**0-2**
THE	IV	10 04 24 45.2	40.5N	20.1E	1		¶97iv1626	
ISC	**IV**	**13 08 00 14.6**±.61	**39.78N**±.044	**20.69E**±.060	**4**		**16**	**0-3**
TIR	IV	13 08 00 14.6	39.83N	20.70E	0	3.3L	¶97iv2210	
THE	IV	13 08 00 15.4	39.8N	20.7E	4	3.1L		
ATH	IV	13 08 00 15.5	39.75N	20.65E	6	3.1D		
ISC	**IV**	**13 08 03 48.3**±.87	**39.82N**±.048	**20.64E**±.073	**3**±8.8	**3.4b**	**17**	**0-30**
THE	IV	13 08 03 49.8	39.8N	20.6E	5	3.2L	¶97iv2211	
ATH	IV	13 08 03 50.3	39.75N	20.66E	6	3.2D		
EIDC	IV	13 08 04 18.8	43.0N	21.2E	0	4.0L,3.8b		
ISC	**IV**	**14 08 59 08.8**±.83	**40.09N**±.048	**20.08E**±.093	**4**±10		**13**	**0-2**
THE	IV	14 08 59 08.0	40.3N	20.0E	2		¶97iv2425	
TIR	IV	14 08 59 08.6	40.11N	20.10E	13	2.6L		
ATH	IV	14 08 59 10.1	40.08N	20.01E	5	3.0D		
ISC	**IV**	**23 13 15 21**±1.1	**39.38N**±.090	**20.4E**±.10	**1**		**5**	**0-2**
THE	IV	23 13 15 21.9	39.4N	20.4E	1		¶97iv3962	
ATH	IV	23 13 15 22.2	39.39N	20.42E	5	2.7D		
ISC	**V**	**07 01 01 52**±1.0	**39.36N**±.072	**20.6E**±.11	**5**		**6**	**0-2**
ATH	V	07 01 01 52.9	39.38N	20.56E	5	2.7D	¶97v1037	
ISC	**V**	**09 23 52 42**±1.1	**39.96N**±.062	**20.6E**±.13	**10**		**8**	**0-2**
THE	V	09 23 52 41.6	40.0N	20.5E	10	2.5L	¶97v1502	
ISC	**V**	**15 16 29 04.4**±.51	**40.27N**±.034	**20.61E**±.056	**2**		**18**	**0-3**
TIR	V	15 16 29 04.0	40.28N	20.63E	2	2.7L	¶97v2648	
THE	V	15 16 29 05.3	40.3N	20.6E	0	2.4L		
ATH	V	15 16 29 05.6	40.29N	20.58E	5	2.8D		
ISC	**V**	**16 11 52 15**±6.0	**40.7N**±.18	**20.6E**±.53	**1**		**5**	**1-2**
THE	V	16 11 52 21.9	40.6N	21.2E	1	2.1L	¶97v2770	
ISC	**V**	**17 03 20 27**±4.6	**40.4N**±.16	**20.1E**±.45	**5**		**7**	**1-2**
THE	V	17 03 20 33.6	40.1N	20.7E	5	2.2L	¶97v2877	
THE	**V**	**17 09 19 52.1**	**39.5N**	**20.1E**	**38**	**2.6L**	¶97v2906	
ISC	**V**	**19 03 42 04**±2.9	**41.0N**±.14	**20.4E**±.24	**1**		**7**	**0-2**
THE	V	19 03 42 03.5	41.0N	20.4E	1	2.5L	¶97v3187	
ISC	**V**	**19 08 18 50**±1.2	**40.88N**±.090	**20.32E**±.085	**11**		**15**	**0-3**
TIR	V	19 08 18 47.8	40.88N	20.32E	11	2.3L	¶97v3221	
PDG	V	19 08 18 50.4	41.0N	20.2E	9	3.0L		
ISC	**V**	**19 16 19 53.1**±.91	**40.99N**±.055	**20.32E**±.092	**0**		**10**	**0-3**
THE	V	19 16 19 53.3	41.1N	20.3E	0	2.6L	¶97v3279	
ISC	**V**	**20 20 15 07**±2.7	**40.9N**±.20	**20.2E**±.27	**33**		**6**	**1-1**
							¶97v3454	
ISC	**V**	**20 20 41 40.5**±.78	**39.41N**±.065	**20.24E**±.057	**5**		**22**	**0-5**
THE	V	20 20 41 41.1	39.5N	20.3E	0	2.9L	¶97v3457	
ATH	V	20 20 41 41.2	39.49N	20.25E	5	3.3D		
ISC	**V**	**21 17 55 06**±1.0	**39.05N**±.083	**20.7E**±.18	**35**		**5**	**1-2**
ATH	V	21 17 55 05.9	39.08N	20.83E	35	2.9D	¶97v3591	
THE	V	21 17 55 06.2	39.1N	20.7E	0	2.5L		
ISC	**V**	**21 19 05 43.8**±.83	**39.70N**±.072	**20.61E**±.074	**6**		**13**	**0-3**
THE	V	21 19 05 43.1	39.8N	20.4E	6	2.6L	¶97v3594	
ISC	**V**	**23 22 35 22**±3.3	**41.0N**±.25	**20.1E**±.27	**33**		**5**	**0-1**
							¶97v4012	
ISC	**V**	**24 21 02 51.5**±.64	**40.11N**±.033	**20.48E**±.042	**2**±6.2		**33**	**0-3**
TIR	V	24 21 02 51.5	40.13N	20.51E	5	2.9L	¶97v4170	
THE	V	24 21 02 52.9	40.1N	20.5E	7	2.5L		
PDG	V	24 21 02 52.9	40.2N	20.2E	8	3.1L		
ATH	V	24 21 02 53.4	40.05N	20.51E	4	3.2D		
ISC	**VI**	**01 21 56 41**±3.3	**40.8N**±.24	**20.2E**±.33	**35**		**4**	**0-1**
TIR	VI	01 21 56 40.4	40.79N	20.17E	35		¶97vi0138	
ISC	Poorly determined							
ISC	**VI**	**05 12 24 03.2**±.88	**39.42N**±.069	**20.74E**±.062	**5**		**21**	**0-3**
THE	VI	05 12 24 03.7	39.4N	20.7E	5	2.8L	¶97vi0766	
ATH	VI	05 12 24 05.2	39.49N	20.78E	5	3.0D		
ISC	**VI**	**07 03 42 01**±2.9	**39.3N**±.21	**20.5E**±.20	**19**		**5**	**0-2**
THE	VI	07 03 42 01.7	39.3N	20.5E	19		¶97vi1036	
ISC	**VI**	**07 06 09 13**±2.2	**40.99N**±.093	**20.4E**±.19	**2**		**8**	**0-2**
THE	VI	07 06 09 14.6	40.9N	20.3E	2		¶97vi1050	
ISC	**VI**	**27 15 00 30.9**±.30	**40.96N**±.029	**20.23E**±.038	**2**	**3.8b**,2.6s	**51**	**0-57**
ATH	VI	27 15 00 24.5	41.61N	20.07E	20	3.7D	¶97vi4312	
TIR	VI	27 15 00 29.5	40.99N	20.25E	9	3.6L		
PDG	VI	27 15 00 32.0	41.0N	20.2E	7	3.6L,3.6D		
EIDC	VI	27 15 00 32.1	40.6N	21.1E	0	3.7b,3.7L		
THE	VI	27 15 00 32.9	40.9N	20.2E	2	3.4L		
ISC	**VI**	**28 00 09 36**±1.9	**40.9N**±.14	**20.2E**±.17	**12**		**5**	**0-2**
TIR	VI	28 00 09 35.2	41.01N	20.32E	12	2.2L	¶97vi4384	
ISC	**VI**	**30 00 42 31**±1.7	**41.0N**±.10	**20.3E**±.15	**8**		**4**	**0-1**
TIR	VI	30 00 42 31.2	40.99N	20.32E	8	2.3L	¶97vi4691	
ISC	Poorly determined							
ISC	**VI**	**30 15 22 19.0**±.50	**40.49N**±.038	**20.76E**±.054	**13**		**22**	**0-3**
TIR	VI	30 15 22 18.0	40.46N	20.82E	13	2.8L	¶97vi4782	
ATH	VI	30 15 22 20.2	40.50N	20.87E	5	3.0D		
THE	VI	30 15 22 20.6	40.4N	20.9E	0			
ISC	**VI**	**30 16 41 36**±2.4	**40.9N**±.16	**20.2E**±.19	**7**		**5**	**1-2**
TIR	VI	30 16 41 35.8	40.91N	20.20E	7	2.3L	¶97vi4791	

(393) Madeira region.

LIS	**VI**	**12 11 57 33**	**34.90N**	**11.53W**		**3.1L**	¶97vi1840

(394) Canary Islands region.

ISC	**I**	**23 06 50 18**±4.5	**27.2N**±.40	**17.1W**±.12	**0**		**4**	**1-3**
MDD	I	23 06 50 22.0	27.17N	17.25W		2.9	¶97i3450	
ISC	Poorly determined							
MDD	**IV**	**15 11 53 15.9**	**28.36N**	**15.95W**	**3**	**2.4**	¶97iv2597	

(395) Morocco.

ISC	**I**	**22 15 18 12**±4.2	**34.9N**±.20	**2.3W**±.39	**13**		**5**	**0-3**
MDD	I	22 15 18 11.3	34.77N	2.23W	13	3.1	¶97i3346	
ISC	Poorly determined							
RBA	**III**	**06 07 13 03.9**	**30.61N**	**7.05W**	**13**	**2.9D**	¶97iii1223	
RBA	**III**	**07 09 10 42.5**	**30.64N**	**7.18W**	**30**	**2.9D**	¶97iii1486	
MDD	**III**	**16 08 17 33.2**	**34.76N**	**3.63W**		**3.3**	¶97iii3197	
RBA	III	16 08 17 30.1	33.59N	2.66W	30	3.4D		
ISC	**III**	**16 10 33 28**±1.3	**34.8N**±.12	**3.6W**±.14	**4**		**5**	**1-4**
RBA	III	16 10 33 28.6	33.68N	2.38W	30	3.4D	¶97iii3210	
MDD	III	16 10 33 29.5	34.78N	3.60W	4	3.2		
ISC	**IV**	**01 21 07 43**±1.3	**34.6N**±.11	**4.9W**±.12	**10**		**12**	**1-6**
MDD	IV	01 21 07 43.8	34.37N	5.01W		3.1	¶97iv0139	
NEIC	IV	01 21 07 45.0	34.76N	4.82W	10			
RBA	IV	01 21 07 50.5	33.36N	4.97W	30	3.3D		
NEIC	MD3.5(MDD), Single network solution.							
RBA	**IV**	**04 03 03 33.6**	**34.35N**	**4.97W**	**30**	**3.0D**	¶97iv0536	
RBA	**IV**	**26 03 50 26.7**	**32.04N**	**5.02W**	**30**	**2.6D**	¶97iv4459	

(396) Algeria.

ISC	**I**	**08 21 21 59**±4.8	**35.8N**±.17	**0.9W**±.46	**0**		**6**	**2-3**
MDD	I	08 21 22 05.5	35.99N	1.10W		3.1		¶97i1117
ISC	**I**	**19 07 08 24.9**±.43	**36.19N**±.040	**7.49E**±.049	**10**	**4.1b**	**78**	**4-88**
STR	I	19 07 08 24.1	36.14N	7.90E	0	4.8L		¶97i2803
NEIC	I	19 07 08 24.6	36.17N	7.41E	10	4.3b		
LDG	I	19 07 08 25.7	36.1N	7.8E	2	3.8L		
EIDC	I	19 07 08 32.0	36.2N	7.4E	52	3.8b,3.4L		
MDD	I	19 07 08 33.4	36.41N	7.44E		3.6		
ISC	**I**	**28 21 32 59**±2.8	**36.6N**±.21	**5.3E**±.14	**2**		**25**	**2-9**
MDD	I	28 21 33 05.3	36.61N	5.21E	31	3.4		¶97i4263
NEIC	I	28 21 33 07.3	37.19N	5.25E	10			
LDG	I	28 21 33 07.9	37.0N	5.2E	2	3.7L		
STR	I	28 21 33 22.8	38.06N	5.09E	2	4.1L		
NEIC	mbLg3.3(MDD), Poor solution.							
ISC	**II**	**06 12 55 16**±5.5	**36.4N**±.10	**1.6E**±.13	**4**±34	**3.7b**	**25**	**3-82**
EIDC	II	06 12 55 16.9	36.5N	1.6E	0	3.7b,4.2L		¶97ii0841
NEIC	II	06 12 55 17.1	36.48N	1.59E	10	3.5b		
MDD	II	06 12 55 20.0	36.40N	1.71E		3.1		
NEIC	mbLg3.0(MDD), Less reliable solution.							
ISC	**II**	**09 07 44 18**±3.3	**35.3N**±.20	**0.7W**±.21	**10**		**18**	**1-8**
NEIC	II	09 07 44 21.4	35.50N	0.87W	10			¶97ii1279
MDD	II	09 07 44 27.4	35.75N	1.04W		3.1		
NEIC	mbLg3.4(MDD), Poor solution.							
ISC	**IV**	**22 10 55 14**±3.0	**36.6N**±.23	**5.4E**±.16	**10**	3.4b	**17**	**4-70**
NEIC	IV	22 10 55 14.4	36.61N	5.33E	10	3.4b		¶97iv3709
MDD	IV	22 10 55 18.2	36.63N	5.31E	10	3.3		
LDG	IV	22 10 55 19.1	36.7N	5.3E		3.6L		
NEIC	Less reliable solution.							
ISC	**V**	**22 10 15 42.6**±.81	**35.76N**±.066	**1.35W**±.071	**74**±19		**49**	**1-13**
MDD	V	22 10 15 43.7	35.74N	1.30W	25	3.7		¶97v3757
LDG	V	22 10 15 47.5	36.0N	1.2W		3.7L		
ISC	**V**	**25 10 33 45**±1.5	**35.79N**±.083	**1.4W**±.14	**65**±37		**20**	**1-7**
MDD	V	25 10 33 44.1	35.73N	1.43W	9	3.4		¶97v4258
ISC	**VI**	**22 02 30 21**±2.2	**35.8N**±.18	**2.0E**±.12	**22**		**23**	**3-13**
LDG	VI	22 02 30 27.2	36.0N	2.1E		3.4L		¶97vi3311
MDD	VI	22 02 30 27.6	35.98N	1.75E	22	2.9		

(397) Tunisia.

ISC	**III**	**20 06 11 59**±2.5	**35.9N**±.24	**10.7E**±.14	**35**±19	**3.6b**	**10**	**3-73**
EIDC	III	20 06 11 52.6	35.6N	11.0E	0	3.8b,3.4s		¶97iii3851
ISC	**III**	**20 18 02 18**±1.8	**34.00N**±.034	**8.24E**±.026	**14**±11	**5.0b,4.8s**	**313**	**4-151**
MOS	III	20 18 02 16.4	33.9N	8.3E	10	5.5b,4.6s		¶97iii3934
NEIC	III	20 18 02 17.3	33.96N	8.29E	10	5.2b,4.9s		
BJI	III	20 18 02 18.6	34.07N	8.27E	25	5.1b,5.2s		
LDG	III	20 18 02 21.5	34.0N	8.2E	2	4.3L		
MDD	III	20 18 02 23.6	34.16N	8.18E		3.2		
EIDC	III	20 18 02 26.5	34.3N	8.4E	66	4.3b		
ISC	**III**	**21 21 00 08**±3.2	**35.1N**±.40	**8.0E**±.21	**10**	**3.7b**	**9**	**11-84**
NEIC	III	21 21 00 07.4	35.02N	8.02E	10			¶97iii4136
EIDC	III	21 21 00 07.7	35.1N	8.2E	0	3.7b,4.1L		
NEIC	Poor solution.							

(398) Sicily.

ISC	**I**	**01 10 34 34**±1.1	**37.89N**±.087	**13.91E**±.087	**8**±10		**8**	**0-2**
ROM	I	01 10 34 33.3	37.9N	13.9E	7	2.8D		¶97i0059
ISC	**I**	**01 19 28 45**±3.2	**38.4N**±.22	**15.3E**±.63	**111**		**4**	**0-1**
ROM	I	01 19 28 45.2	38.3N	15.4E	111	2.2D		¶97i0105
ISC	Poorly determined							
ISC	**I**	**03 00 41 30**±1.1	**37.64N**±.086	**15.3E**±.12	**5**		**5**	**1-1**
ROM	I	03 00 41 30.1	37.7N	15.2E	5	2.4D		¶97i0292
ISC	**I**	**04 07 56 49**±2.4	**37.9N**±.33	**15.1E**±.12	**10**		**4**	**0-1**
ROM	I	04 07 56 48.8	37.9N	15.1E	10	2.6D		¶97i0497
ISC	Poorly determined							
ISC	**I**	**07 19 30 26**±1.5	**37.62N**±.093	**15.7E**±.13	**6**		**8**	**1-2**
ROM	I	07 19 30 26.3	37.7N	15.7E	6	2.6D		¶97i0968
ISC	**I**	**08 04 12 39**±1.2	**37.68N**±.074	**15.00E**±.088	**3**±16		**7**	**0-2**
ROM	I	08 04 12 38.4	37.7N	15.0E	4	2.5D		¶97i1019
ISC	**I**	**08 15 46 53**±1.3	**37.72N**±.096	**15.0E**±.13	**10**		**4**	**0-1**
ROM	I	08 15 46 53.2	37.7N	15.0E	10	2.0D		¶97i1083
ISC	Poorly determined							
ROM	**I**	**09 04 12 51.6**	**37.4N**	**15.9E**	**10**	**2.3D**		¶97i1166
ISC	**I**	**13 02 46 03.8**±.96	**37.70N**±.069	**15.12E**±.075	**1**±11		**10**	**0-3**
ROM	I	13 02 46 03.8	37.7N	15.1E	5	2.8D		¶97i1771
ROM	**I**	**13 12 02 48.9**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1835
ROM	**I**	**14 01 03 01.3**	**38.5N**	**16.0E**	**10**	**2.0D**		¶97i1926
ISC	**I**	**14 02 00 07**±1.5	**38.5N**±.11	**16.0E**±.18	**1**±31		**6**	**0-1**
ROM	I	14 02 00 06.6	38.5N	16.0E	6	2.5D		¶97i1935
ROM	**I**	**14 02 09 19.9**	**38.5N**	**16.0E**	**10**	**2.2D**		¶97i1937
ISC	**I**	**14 14 05 37**±1.1	**38.1N**±.10	**15.74E**±.077	**5**±15		**7**	**0-1**
ROM	I	14 14 05 36.7	38.1N	15.7E	8	2.5D		¶97i2002
ISC	**I**	**14 22 21 14**±1.7	**37.9N**±.14	**15.5E**±.11	**10**		**5**	**0-1**
ROM	I	14 22 21 13.7	37.9N	15.5E	10	2.2D		¶97i2069
ROM	**I**	**14 22 21 27.7**	**38.0N**	**15.5E**	**19**	**2.4D**		¶97i2070
ISC	**I**	**15 11 07 49**±1.2	**38.5N**±.14	**15.7E**±.43	**160**		**6**	**0-2**
ROM	I	15 11 07 49.7	38.6N	15.6E	160	2.6D		¶97i2144
ISC	**I**	**15 22 50 18**±1.2	**37.82N**±.070	**15.62E**±.092	**8**±11		**12**	**0-3**
ROM	I	15 22 50 17.5	37.8N	15.6E	8	2.8D		¶97i2220
ISC	**I**	**16 09 03 36**±1.3	**37.65N**±.088	**14.8E**±.13	**5**		**4**	**0-1**
ROM	I	16 09 03 35.6	37.7N	14.8E	5	2.3D		¶97i2280
ISC	Poorly determined							
ISC	**I**	**16 21 57 22**±3.5	**37.8N**±.39	**14.9E**±.10	**15**		**4**	**0-1**
ROM	I	16 21 57 21.9	37.8N	14.9E	15	2.3D		¶97i2365
ISC	Poorly determined							
ROM	**I**	**19 02 50 37.1**	**38.6N**	**15.7E**	**188**	**2.6D**		¶97i2767
ROM	**I**	**20 18 30 40.9**	**37.7N**	**15.0E**	**5**	**2.1D**		¶97i3062
ROM	**I**	**25 11 23 29.4**	**38.1N**	**15.7E**	**10**	**1.8D**		¶97i3799
ISC	**I**	**26 19 16 42.1**±.86	**37.61N**±.058	**15.16E**±.072	**9**±9.4		**14**	**0-3**
ROM	I	26 19 16 41.9	37.6N	15.1E	5	3.2D		¶97i3984
ISC	**I**	**26 19 33 55.1**±.83	**37.63N**±.058	**15.13E**±.083	**8**±11		**10**	**0-2**
ROM	I	26 19 33 54.7	37.6N	15.1E	6	3.2D		¶97i3987
ISC	**I**	**26 19 53 57.3**±.70	**37.64N**±.055	**15.13E**±.079	**5**		**10**	**0-2**
ROM	I	26 19 53 56.8	37.6N	15.1E	5	3.0D		¶97i3990
ISC	**I**	**26 23 51 29**±1.1	**37.60N**±.077	**15.1E**±.11	**5**		**5**	**0-1**
ROM	I	26 23 51 29.3	37.6N	15.1E	5	2.3D		¶97i4018
ROM	**I**	**27 17 09 23.8**	**36.3N**	**14.2E**	**10**	**2.6D**		¶97i4108
ISC	**I**	**27 21 24 55.9**±.91	**37.62N**±.062	**15.12E**±.088	**3**±15		**8**	**0-2**
ROM	I	27 21 24 55.5	37.6N	15.1E	5	2.8D		¶97i4128
ISC	**I**	**27 23 25 28.4**±.80	**38.63N**±.056	**15.06E**±.096	**20**		**11**	**1-3**
ROM	I	27 23 25 28.6	38.5N	15.0E	20	3.0D		¶97i4143
ISC	**I**	**31 00 03 50**±1.0	**38.16N**±.072	**15.12E**±.080	**10**±10		**10**	**0-2**
ROM	I	31 00 03 49.3	38.2N	15.1E	5	2.8D		¶97i4569
ISC	**I**	**31 00 18 16**±1.2	**37.69N**±.057	**15.06E**±.076	**11**±12		**13**	**0-3**
ROM	I	31 00 18 15.9	37.7N	15.0E	5	3.2D		¶97i4572
ROM	**II**	**03 15 47 55.6**	**37.1N**	**15.0E**	**10**	**2.5D**		¶97ii0399
ISC	**II**	**04 00 11 47.2**±.92	**37.69N**±.059	**15.01E**±.080	**7**±11		**10**	**0-3**
ROM	II	04 00 11 46.9	37.7N	15.0E	5	3.1D		¶97ii0438
ISC	**II**	**05 20 52 45**±1.3	**37.66N**±.092	**15.2E**±.13	**5**		**4**	**1-1**
ROM	II	05 20 52 45.1	37.7N	15.2E	5	2.4D		¶97ii0749
ISC	Poorly determined							
ISC	**II**	**06 14 54 48**±1.4	**37.73N**±.060	**14.95E**±.076	**14**±13		**12**	**0-3**
ROM	II	06 14 54 46.9	37.7N	14.9E	6	3.0D		¶97ii0856
ISC	**II**	**06 15 00 56**±1.3	**37.70N**±.086	**15.0E**±.13	**5**		**4**	**0-1**
ROM	II	06 15 00 56.2	37.7N	15.0E	5	2.2D		¶97ii0857
ISC	Poorly determined							
ISC	**II**	**06 15 09 00**±1.2	**37.70N**±.081	**14.94E**±.099	**8**±15		**6**	**0-2**
ROM	II	06 15 09 00.0	37.7N	14.9E	5	2.3D		¶97ii0859
ISC	**II**	**06 15 18 29**±2.0	**38.2N**±.15	**14.9E**±.22	**5**		**4**	**0-1**
ROM	II	06 15 18 29.3	38.1N	14.9E	5	2.0D		¶97ii0860
ISC	Poorly determined							
ISC	**II**	**06 15 26 02.4**±.97	**37.65N**±.071	**14.99E**±.086	**4**		**6**	**0-1**
ROM	II	06 15 26 02.1	37.7N	14.9E	4	2.4D		¶97ii0862
ISC	**II**	**06 15 26 27**±3.7	**37.6N**±.29	**15.0E**±.11	**5**		**4**	**0-1**
ROM	II	06 15 26 27.9	37.8N	15.0E	5	2.4D		¶97ii0863
ISC	Poorly determined							
ISC	**II**	**06 15 27 39**±1.2	**37.67N**±.068	**15.0E**±.17	**5**		**4**	**0-1**
ROM	II	06 15 27 38.3	37.7N	15.0E	5	2.1D		¶97ii0865
ISC	Poorly determined							
ISC	**II**	**06 17 32 01**±1.3	**37.74N**±.083	**15.0E**±.14	**5**		**4**	**0-1**
ROM	II	06 17 31 59.9	37.8N	15.0E	5	2.1D		¶97ii0881
ISC	Poorly determined							
ROM	**II**	**08 14 04 43.2**	**37.8N**	**14.8E**	**5**	**2.1D**		¶97ii1148
ISC	**II**	**08 14 07 00**±1.0	**37.72N**±.067	**14.96E**±.096	**5**		**6**	**0-1**
ROM	II	08 14 07 00.1	37.7N	14.9E	5	2.6D		¶97ii1149
ROM	**II**	**08 14 35 04.0**	**37.7N**	**14.8E**	**5**	**2.0D**		¶97ii1153
ISC	**II**	**08 14 53 35.2**±.71	**37.66N**±.054	**14.97E**±.074	**5**		**9**	**0-2**
ROM	II	08 14 53 35.4	37.7N	14.9E	5	3.0D		¶97ii1155
ISC	**II**	**08 14 58 14**±1.0	**37.69N**±.068	**14.8E**±.12	**4**		**5**	**0-1**
ROM	II	08 14 58 13.6	37.7N	14.9E	4	2.2D		¶97ii1156
ISC	**II**	**08 15 01 18**±1.3	**37.69N**±.092	**14.9E**±.12	**5**		**4**	**0-1**
ROM	II	08 15 01 17.6	37.7N	15.0E	5	2.2D		¶97ii1158
ISC	Poorly determined							
ROM	**II**	**09 09 53 56.4**	**38.5N**	**14.7E**	**15**	**2.1D**		¶97ii1290
ROM	**II**	**09 09 56 33.7**	**38.6N**	**14.7E**	**20**	**2.4D**		¶97ii1291
ISC	**II**	**09 10 14 10.9**±.65	**38.53N**±.056	**14.80E**±.072	**12**		**14**	**1-2**
ROM	II	09 10 14 11.4	38.5N	14.8E	12	3.1D		¶97ii1295
ISC	**II**	**09 10 19 08**±1.4	**38.5N**±.11	**14.8E**±.12	**15**		**8**	**1-2**
ROM	II	09 10 19 07.9	38.5N	14.7E	15	2.8D		¶97ii1296
ROM	**II**	**09 13 07 19.5**	**38.5N**	**14.7E**	**15**	**2.2D**		¶97ii1311
ISC	**II**	**10 08 07 04**±1.2	**38.1N**±.15	**15.27E**±.095	**11**		**5**	**0-1**
ROM	II	10 08 07 04.0	38.2N	15.2E	11	2.6D		¶97ii1437
ISC	**II**	**11 18 27 56.6**±.86	**37.60N**±.051	**14.92E**±.062	**2**±9.7		**15**	**0-4**
ROM	II	11 18 27 56.8	37.6N	14.9E	5	3.2D		¶97ii1660
ISC	**II**	**11 23 50 43**±3.0	**38.8N**±.22	**12.9E**±.18	**10**		**9**	**1-3**
ROM	II	11 23 50 42.7	38.8N	12.8E	10	3.0D		¶97ii1688
ISC	**II**	**12 00 50 24.9**±.91	**37.66N**±.066	**15.15E**±.096	**5**		**6**	**0-2**
ROM	II	12 00 50 24.7	37.7N	15.1E	5	2.4D		¶97ii1693
ISC	**II**	**12 00 51 49**±1.1	**37.63N**±.073	**15.2E**±.11	**5**		**5**	**1-1**
ROM	II	12 00 51 48.3	37.7N	15.2E	5	2.2D		¶97ii1694
ISC	**II**	**12 00 52 35**±1.3	**37.65N**±.098	**15.2E**±.12	**5**		**4**	**0-1**
ROM	II	12 00 52 35.3	37.7N	15.1E	5	2.3D		¶97ii1695
ISC	Poorly determined							
ISC	**II**	**12 00 54 13**±1.4	**37.61N**±.099	**15.2E**±.13	**5**		**4**	**1-1**
ROM	II	12 00 54 13.1	37.7N	15.1E	5	2.2D		¶97ii1696
ISC	Poorly determined							
ISC	**II**	**12 01 08 25.4**±.91	**37.66N**±.066	**15.15E**±.097	**5**		**6**	**0-2**
ROM	II	12 01 08 25.1	37.7N	15.1E	5	2.4D		¶97ii1698
ISC	**II**	**13 12 15 52**±1.3	**37.7N**±.10	**15.2E**±.11	**5**		**4**	**0-1**
ROM	II	13 12 15 51.8	37.7N	15.2E	5	2.4D		¶97ii1916
ISC	Poorly determined							
ISC	**II**	**13 13 03 11.0**±.91	**37.70N**±.069	**15.18E**±.091	**5**±16		**7**	**0-1**
ROM	II	13 13 03 10.6	37.7N	15.2E	5	2.5D		¶97ii1927
ISC	**II**	**16 16 26 13.6**±.89	**37.63N**±.058	**14.9E**±.10	**5**		**6**	**0-1**
ROM	II	16 16 26 13.2	37.6N	15.0E	5	2.7D		¶97ii2389
ISC	**II**	**16 16 29 18**±1.3	**37.61N**±.089	**15.0E**±.13	**5**		**4**	**0-1**
ROM	II	16 16 29 17.6	37.6N	15.0E	5	2.4D		¶97ii2390
ISC	Poorly determined							
ROM	**II**	**16 16 32 04.3**	**37.6N**	**14.9E**	**5**	**2.2D**		¶97ii2391
ISC	**II**	**16 16 56 52**±1.0	**37.65N**±.068	**15.0E**±.12	**5**		**5**	**0-1**
ROM	II	16 16 56 51.3	37.6N	15.0E	5	2.3D		¶97ii2394
ISC	**II**	**16 17 04 16**±1.3	**37.63N**±.089	**14.9E**±.13	**5**		**4**	**0-1**
ROM	II	16 17 04 16.1	37.6N	14.9E	5	2.2D		¶97ii2395
ISC	Poorly determined							
ROM	**II**	**20 14 11 16.2**	**39.0N**	**15.9E**	**168**	**2.5D**		¶97ii2939
ISC	**II**	**22 19 08 59.7**±.86	**37.71N**±.055	**15.01E**±.065	**8**±9.1		**15**	**0-4**
ROM	II	22 19 08 59.8	37.7N	15.0E	5	3.4D		¶97ii3234
ISC	**II**	**22 21 37 46**±1.3	**37.70N**±.095	**15.0E**±.12	**5**		**4**	**0-1**
ROM	II	22 21 37 46.0	37.7N	15.0E	5	2.7D		¶97ii3255
ISC	Poorly determined							
ISC	**II**	**25 23 54 29**±1.3	**37.77N**±.096	**15.0E**±.13	**10**		**4**	**0-1**
ROM	II	25 23 54 28.8	37.8N	15.0E	10	2.7D		¶97ii3709
ISC	Poorly determined							
ISC	**III**	**02 08 06 31**±4.4	**38.3N**±.48	**12.8E**±.25	**7**		**4**	**0-3**
ROM	III	02 08 06 29.9	38.3N	12.8E	7	2.7D		¶97iii0262
ISC	Poorly determined							
ROM	**III**	**02 23 51 42.6**	**36.9N**	**14.3E**	**16**	**2.1D**		¶97iii0426
ISC	**III**	**03 06 51 48**±1.2	**37.8N**±.16	**13.0E**±.11	**5**		**5**	**0-1**
ROM	III	03 06 51 47.4	37.8N	12.9E	5	2.5D		¶97iii0501
ROM	**III**	**05 10 14 20.4**	**37.7N**	**14.9E**	**5**	**2.2D**		¶97iii1034
ROM	**III**	**05 21 36 10.9**	**38.1N**	**15.0E**	**10**	**2.1D**		¶97iii1132
ISC	**III**	**07 19 17 00**±1.0	**37.54N**±.064	**14.9E**±.13	**5**		**5**	**0-1**
ROM	III	07 19 16 59.1	37.6N	14.9E	5	2.4D		¶97iii1582
ISC	**III**	**09 07 31 30.6**±.89	**37.78N**±.078	**15.5E**±.11	**5**		**7**	**0-1**
ROM	III	09 07 31 30.1	37.8N	15.5E	5	2.5D		¶97iii1929
ROM	**III**	**12 19 38 15.3**	**38.4N**	**14.6E**	**10**	**2.1D**		¶97iii2581
ISC	**III**	**14 09 22 38**±1.3	**37.9N**±.15	**14.7E**±.12	**7**		**4**	**0-1**
ROM	III	14 09 22 38.3	37.9N	14.7E	7	2.4D		¶97iii2844
ISC	Poorly determined							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III 14 09 23 07**±1.2	**37.9N**±.13	**14.7E**±.12	**6**		**4**	**0-1**
ROM	III 14 09 23 06.7	38.0N	14.7E	6	2.8D		¶97iii2845
ISC	Poorly determined						
ISC	**III 18 16 24 56.5**±.89	**37.70N**±.062	**14.99E**±.096	**3**		**6**	**0-1**
ROM	III 18 16 24 55.7	37.7N	15.0E	3	3.0D		¶97iii3566
ROM	**III 19 07 01 49.4**	**38.4N**	**14.9E**	**10**	**2.3D**		¶97iii3653
ROM	**III 19 07 17 32.3**	**38.4N**	**14.9E**	**10**	**2.5D**		¶97iii3656
ISC	**III 19 08 12 07.2**±.94	**38.38N**±.070	**14.89E**±.081	**8**		**10**	**0-2**
ROM	III 19 08 12 07.0	38.4N	14.9E	8	3.2D		¶97iii3667
ISC	**III 21 15 08 12**±1.5	**38.0N**±.67	**15.2E**±.54	**156**		**4**	**0-1**
ROM	III 21 15 08 12.6	38.2N	15.1E	156	2.3D		¶97iii4087
ISC	Poorly determined						
ROM	**III 22 06 19 27.2**	**37.9N**	**14.9E**	**10**	**2.3D**		¶97iii4213
ISC	**III 22 17 06 58**±3.4	**38.4N**±.35	**14.9E**±.13	**16**±57		**6**	**0-1**
ROM	III 22 17 06 57.6	38.4N	14.9E	17	2.8D		¶97iii4296
ISC	**III 24 23 00 49**±1.0	**37.69N**±.063	**15.0E**±.12	**5**		**5**	**0-1**
ROM	III 24 23 00 48.4	37.7N	15.0E	5	2.2D		¶97iii4635
ISC	**III 27 03 30 57**±1.7	**38.2N**±.34	**15.7E**±.12	**10**±40		**5**	**0-1**
ROM	III 27 03 30 56.2	38.2N	15.7E	12	2.4D		¶97iii5128
ISC	Poorly determined						
ISC	**III 27 07 33 35**±3.1	**38.3N**±.30	**15.0E**±.12	**10**		**4**	**0-1**
ROM	III 27 07 33 34.6	38.3N	15.0E	10	2.4D		¶97iii5166
ISC	Poorly determined						
ISC	**III 27 08 34 48**±4.6	**38.3N**±.47	**15.0E**±.16	**11**±26		**5**	**0-1**
ROM	III 27 08 34 47.6	38.3N	15.0E	10	2.5D		¶97iii5175
ISC	Poorly determined						
ROM	**III 27 09 16 14.5**	**38.3N**	**15.0E**	**10**	**2.3D**		¶97iii5181
ISC	**IV 03 07 04 56**±8.3	**38.0N**±.26	**14.0E**±.61	**5**±12		**6**	**0-2**
ROM	IV 03 07 04 56.6	38.0N	14.0E	5	2.6D		¶97iv0389
ISC	**IV 03 21 43 29.6**±.68	**37.79N**±.065	**14.97E**±.077	**22**±11		**13**	**0-4**
ROM	IV 03 21 43 28.8	37.8N	15.0E	5	2.9D		¶97iv0480
ROM	**IV 03 21 44 18.5**	**37.8N**	**14.9E**	**10**	**2.6D**		¶97iv0481
ISC	**IV 03 22 02 23.4**±.72	**37.78N**±.064	**14.93E**±.088	**21**±13		**11**	**0-3**
ROM	IV 03 22 02 22.9	37.8N	14.9E	8	2.7D		¶97iv0483
ISC	**IV 03 22 03 25**±1.3	**37.76N**±.075	**14.96E**±.089	**9**±15		**8**	**0-2**
ROM	IV 03 22 03 24.7	37.8N	14.9E	5	2.8D		¶97iv0484
ISC	**IV 03 22 09 26.6**±.72	**37.77N**±.063	**14.93E**±.081	**18**±15		**11**	**0-3**
ROM	IV 03 22 09 25.9	37.8N	15.0E	5	2.7D		¶97iv0485
ISC	**IV 03 22 10 31**±1.5	**37.8N**±.10	**15.0E**±.10	**10**±16		**6**	**0-2**
ROM	IV 03 22 10 30.2	37.8N	15.0E	5	2.6D		¶97iv0486
ISC	**IV 03 22 11 22**±1.2	**37.76N**±.089	**15.0E**±.12	**6**±27		**5**	**0-1**
ROM	IV 03 22 11 21.7	37.8N	15.0E	5	2.5D		¶97iv0487
ISC	Poorly determined						
ISC	**IV 03 22 29 15.0**±.69	**37.77N**±.063	**14.93E**±.082	**25**±10		**14**	**0-4**
ROM	IV 03 22 29 14.6	37.8N	14.9E	7	2.8D		¶97iv0490
NEIC	IV 03 22 29 14.6	37.75N	14.95E	10			
NEIC	M_L3.0(ROM), Single network solution.						
ISC	**IV 03 22 38 48**±1.3	**37.74N**±.082	**15.0E**±.14	**5**		**4**	**0-1**
ROM	IV 03 22 38 47.7	37.7N	15.0E	5	2.0D		¶97iv0491
ISC	Poorly determined						
ROM	**IV 03 22 41 11.6**	**37.8N**	**15.0E**	**5**	**1.9D**		¶97iv0495
ISC	**IV 03 22 48 32**±1.2	**37.77N**±.068	**14.94E**±.087	**11**±13		**9**	**0-2**
ROM	IV 03 22 48 31.4	37.8N	14.9E	5	2.4D		¶97iv0498
ISC	**IV 03 23 36 44**±1.9	**37.77N**±.092	**15.0E**±.13	**12**±19		**7**	**0-2**
ROM	IV 03 23 36 43.4	37.8N	15.0E	5	2.4D		¶97iv0504
ISC	**IV 04 03 02 30**±1.7	**37.76N**±.079	**15.0E**±.11	**12**±20		**7**	**0-1**
ROM	IV 04 03 02 29.0	37.8N	15.0E	5	2.4D		¶97iv0535
ISC	**IV 04 06 18 27**±1.0	**37.75N**±.081	**14.96E**±.088	**5**		**5**	**0-1**
ROM	IV 04 06 18 26.1	37.8N	14.9E	5	2.4D		¶97iv0555
ISC	**IV 04 08 27 53**±1.8	**37.8N**±.12	**14.9E**±.13	**14**±21		**5**	**0-1**
ROM	IV 04 08 27 52.4	37.8N	15.0E	5	2.4D		¶97iv0574
ISC	Poorly determined						
ISC	**IV 04 14 02 50.6**±.88	**37.74N**±.062	**15.00E**±.090	**5**		**6**	**0-1**
ROM	IV 04 14 02 50.3	37.7N	15.0E	5	2.1D		¶97iv0623
ISC	**IV 04 14 23 55.1**±.88	**37.75N**±.061	**14.96E**±.085	**5**		**6**	**0-1**
ROM	IV 04 14 23 54.7	37.8N	15.0E	5	2.3D		¶97iv0624
ROM	**IV 04 22 58 34.1**	**37.7N**	**14.9E**	**5**	**2.0D**		¶97iv0668
ISC	**IV 05 02 34 52**±1.2	**37.75N**±.091	**15.0E**±.10	**8**±19		**5**	**0-1**
ROM	IV 05 02 34 51.8	37.8N	15.0E	5	2.0D		¶97iv0680
ISC	Poorly determined						
ISC	**IV 05 14 24 44.8**±.91	**37.75N**±.061	**14.96E**±.079	**8**±11		**9**	**0-2**
ROM	IV 05 14 24 44.4	37.8N	15.0E	5	2.6D		¶97iv0786
ISC	**IV 06 06 20 27**±1.1	**37.68N**±.078	**15.0E**±.10	**4**±29		**6**	**0-1**
ROM	IV 06 06 20 26.3	37.7N	15.0E	5	2.6D		¶97iv0946
ISC	**IV 06 06 26 22**±1.1	**37.69N**±.078	**14.99E**±.094	**4**±18		**6**	**0-1**
ROM	IV 06 06 26 21.6	37.7N	15.0E	5	2.6D		¶97iv0949
ISC	**IV 06 18 41 56.2**±.55	**38.64N**±.062	**14.69E**±.072	**294**±5.5	**3.5b**	**89**	**1-84**
ROM	IV 06 18 41 53.7	38.6N	14.8E	313	2.7D		¶97iv1035
EIDC	IV 06 18 42 01.6	38.9N	14.7E	318	3.1b		
ISC	**IV 06 23 46 44**±1.3	**37.66N**±.094	**15.1E**±.10	**8**±15		**9**	**1-3**
ROM	IV 06 23 46 44.1	37.7N	15.1E	5	3.0D		¶97iv1076
ISC	**IV 07 16 25 16**±1.1	**37.71N**±.078	**14.94E**±.093	**5**		**5**	**0-1**
ROM	IV 07 16 25 15.3	37.7N	14.9E	5	2.5D		¶97iv1187
ROM	**IV 10 22 50 49.4**	**37.8N**	**15.0E**	**5**	**1.9D**		¶97iv1758
ISC	**IV 10 22 53 05.0**±.85	**37.82N**±.088	**14.96E**±.080	**17**±16		**10**	**0-3**
ROM	IV 10 22 53 04.3	37.8N	15.0E	6	2.7D		¶97iv1759
ISC	**IV 10 22 54 19**±1.3	**37.80N**±.096	**15.0E**±.14	**4**±23		**5**	**0-2**
ROM	IV 10 22 54 18.8	37.8N	15.0E	5	2.2D		¶97iv1760
ISC	Poorly determined						
ISC	**IV 13 03 44 36**±1.1	**37.66N**±.074	**15.00E**±.099	**5**±19		**7**	**0-2**
ROM	IV 13 03 44 35.1	37.7N	15.0E	5	2.6D		¶97iv2182
ROM	**IV 13 03 45 57.9**	**37.7N**	**15.0E**	**5**	**2.3D**		¶97iv2183
ISC	**IV 18 22 12 31**±1.6	**37.58N**±.085	**15.1E**±.16	**5**		**4**	**0-1**
ROM	IV 18 22 12 30.7	37.6N	15.1E	5	2.4D		¶97iv3128
ISC	Poorly determined						
ISC	**IV 22 16 18 56**±1.3	**37.72N**±.096	**14.9E**±.12	**5**		**4**	**0-1**
ROM	IV 22 16 18 55.7	37.7N	14.9E	5	2.5D		¶97iv3781
ISC	Poorly determined						
ISC	**IV 22 16 23 25**±1.3	**37.73N**±.097	**15.0E**±.12	**5**		**4**	**0-1**
ROM	IV 22 16 23 24.2	37.7N	14.9E	5	2.3D		¶97iv3782
ISC	Poorly determined						
ROM	**IV 22 16 46 24.7**	**37.7N**	**14.9E**	**5**	**2.5D**		¶97iv3785
ISC	**IV 22 22 06 05**±1.1	**37.72N**±.082	**14.94E**±.097	**8**±15		**6**	**0-2**
ROM	IV 22 22 06 05.0	37.7N	14.9E	5	2.7D		¶97iv3837
ISC	**IV 26 21 20 58**±3.1	**37.8N**±.32	**15.0E**±.10	**5**		**4**	**0-1**
ROM	IV 26 21 20 56.6	37.7N	15.0E	5	2.4D		¶97iv4607
ISC	Poorly determined						
ISC	**IV 27 09 46 04**±1.2	**37.8N**±.10	**15.0E**±.11	**5**		**4**	**1-1**
ROM	IV 27 09 46 03.4	37.8N	15.0E	5	2.5D		¶97iv4700
ISC	Poorly determined						
ISC	**IV 27 21 08 46**±2.8	**37.0N**±.20	**16.0E**±.16	**10**		**13**	**1-4**
NEIC	IV 27 21 08 47.6	37.14N	15.85E	10			¶97iv4794
ROM	IV 27 21 08 49.2	37.2N	15.7E	10	2.9D		
NEIC	M_L3.0(ROM), Single network solution.						
ISC	**V 01 01 29 43.4**±.66	**38.7N**±.13	**15.6E**±.25	**208**		**10**	**1-2**
ROM	V 01 01 29 43.5	38.7N	15.6E	208	2.8D		¶97v0012
ISC	**V 01 05 37 14**±1.3	**37.66N**±.087	**15.1E**±.13	**5**		**4**	**0-1**
ROM	V 01 05 37 13.3	37.7N	15.1E	5	2.5D		¶97v0039
ISC	Poorly determined						
ISC	**V 01 05 39 29**±1.3	**37.65N**±.088	**15.1E**±.13	**5**		**4**	**0-1**
ROM	V 01 05 39 29.1	37.7N	15.1E	5	2.5D		¶97v0040
ISC	Poorly determined						
ISC	**V 01 05 40 36**±1.3	**37.62N**±.090	**15.2E**±.14	**5**		**4**	**1-1**
ROM	V 01 05 40 36.1	37.7N	15.2E	5	2.5D		¶97v0041
ISC	Poorly determined						
ROM	**V 01 20 43 53.4**	**38.0N**	**15.1E**	**5**	**2.0D**		¶97v0152
ISC	**V 03 14 11 41**±1.0	**37.73N**±.068	**15.02E**±.098	**7**±18		**6**	**0-1**
ROM	V 03 14 11 41.0	37.7N	15.0E	5	2.5D		¶97v0446
ISC	**V 03 18 32 30**±1.0	**37.91N**±.080	**14.54E**±.097	**13**±9.7		**8**	**0-2**
ROM	V 03 18 32 30.0	37.9N	14.5E	6	2.8D		¶97v0483
ISC	**V 04 01 19 08**±1.0	**38.49N**±.070	**14.49E**±.078	**25**±14		**15**	**1-3**
ROM	V 04 01 19 07.1	38.5N	14.5E	5	3.3D		¶97v0534
ISC	**V 05 00 23 25**±3.5	**38.6N**±.25	**15.2E**±.96	**181**		**5**	**1-2**
ROM	V 05 00 23 25.5	38.7N	15.3E	181	2.5D		¶97v0710
ISC	**V 09 01 31 54**±1.1	**37.68N**±.072	**15.03E**±.086	**4**±12		**9**	**0-3**
ROM	V 09 01 31 54.2	37.7N	15.0E	5	2.8D		¶97v1340
ISC	**V 11 15 40 24**±8.0	**38.8N**±.51	**14.3E**±.37	**20**		**4**	**1-2**
ROM	V 11 15 40 27.3	38.5N	14.4E	20	2.5D		¶97v1807
ISC	Poorly determined						
ISC	**V 12 19 20 12**±3.2	**37.6N**±.17	**15.9E**±.19	**6**±24		**6**	**0-1**
ROM	V 12 19 20 11.4	37.6N	15.9E	19	2.7D		¶97v2030
ISC	**V 12 20 26 56**±3.3	**37.7N**±.30	**15.0E**±.11	**5**		**4**	**0-1**
ROM	V 12 20 26 56.1	37.7N	15.0E	5	2.5D		¶97v2037
ISC	Poorly determined						
ISC	**V 15 04 33 44.8**±.94	**38.4N**±.12	**15.2E**±.17	**109**		**9**	**0-3**
ROM	V 15 04 33 44.8	38.3N	15.2E	109	3.0D		¶97v2563
ROM	**V 16 03 37 57.4**	**38.4N**	**15.4E**	**7**	**2.2D**		¶97v2722
ISC	**V 16 12 50 21**±3.8	**38.8N**±.25	**15.2E**±.86	**135**		**4**	**1-2**
ROM	V 16 12 50 21.2	38.8N	15.2E	135	2.4D		¶97v2776
ISC	Poorly determined						
ISC	**V 16 14 58 48**±2.6	**38.8N**±.20	**15.5E**±.50	**108**		**4**	**1-1**
ROM	V 16 14 58 48.1	38.8N	15.4E	108	2.5D		¶97v2792
ISC	Poorly determined						
ISC	**V 18 12 15 01.8**±.95	**38.1N**±.20	**14.3E**±.19	**222**		**8**	**0-4**
ROM	V 18 12 15 01.5	38.2N	14.2E	222	2.9D		¶97v3078
ROM	**V 19 00 05 31.4**	**37.7N**	**15.0E**	**5**	**2.4D**		¶97v3166
ISC	**V 19 00 25 39**±1.3	**38.1N**±.24	**14.9E**±.14	**15**		**4**	**0-1**
ROM	V 19 00 25 38.5	37.9N	14.9E	15	2.6D		¶97v3169
ISC	Poorly determined						
ISC	**V 19 00 30 46**±1.3	**37.70N**±.095	**15.0E**±.12	**5**		**4**	**0-1**
ROM	V 19 00 30 45.6	37.7N	15.0E	5	2.5D		¶97v3172
ISC	Poorly determined						
ROM	**V 20 03 55 46.6**	**38.5N**	**14.4E**	**13**	**2.8D**		¶97v3351
ISC	**V 20 04 02 34**±6.5	**38.7N**±.45	**14.5E**±.32	**16**		**4**	**1-2**
ROM	V 20 04 02 35.3	38.5N	14.5E	16	2.8D		¶97v3353
ISC	Poorly determined						
ROM	**V 20 07 37 17.0**	**36.9N**	**14.9E**	**22**	**2.5D**		¶97v3373
ROM	**V 22 09 50 17.4**	**37.7N**	**15.2E**	**5**	**2.4D**		¶97v3754
ROM	**V 22 12 26 24.6**	**38.6N**	**15.8E**	**20**	**2.4D**		¶97v3772
ISC	**V 23 19 06 44**±1.5	**37.3N**±.10	**14.8E**±.18	**14**		**4**	**0-1**
ROM	V 23 19 06 43.9	37.3N	14.8E	14	2.7D		¶97v3988
ISC	Poorly determined						
ROM	**V 23 19 10 51.7**	**37.3N**	**14.8E**	**17**	**2.9D**		¶97v3990
ISC	**V 25 23 07 46**±1.2	**38.1N**±.44	**15.1E**±.15	**23**±32		**5**	**0-1**
ROM	V 25 23 07 45.7	38.1N	15.2E	23	2.6D		¶97v4331
ISC	Poorly determined						
ISC	**V 26 23 11 10**±5.3	**38.7N**±.37	**14.7E**±.21	**17**±50		**5**	**1-1**
ROM	V 26 23 11 11.1	38.6N	14.7E	19	2.6D		¶97v4480
ISC	Poorly determined						
ISC	**V 26 23 21 25**±2.3	**38.5N**±.19	**14.7E**±.15	**14**		**5**	**1-1**
ROM	V 26 23 21 25.1	38.5N	14.7E	14	2.6D		¶97v4483
ROM	**V 28 08 36 48.3**	**38.1N**	**15.7E**	**13**	**2.2D**		¶97v4684
ROM	**V 30 01 33 24.3**	**39.0N**	**15.5E**	**100**	**2.5D**		¶97v4957
ROM	**VI 04 05 55 41.9**	**38.0N**	**15.7E**	**10**	**2.0D**		¶97vi0561
ROM	**VI 04 06 00 54.1**	**38.0N**	**15.7E**	**10**	**2.1D**		¶97vi0562
ISC	**VI 04 13 52 38**±1.1	**37.72N**±.078	**14.9E**±.11	**3**±19		**7**	**0-2**
ROM	VI 04 13 52 37.3	37.7N	15.0E	5	2.8D		¶97vi0622
ISC	**VI 04 15 34 53**±1.1	**37.76N**±.084	**15.0E**±.11	**4**±21		**6**	**0-2**
ROM	VI 04 15 34 52.9	37.7N	15.0E	5	2.5D		¶97vi0632
ISC	**VI 07 22 09 51**±4.9	**38.3N**±.63	**15.1E**±.19	**28**±24		**5**	**0-1**
ROM	VI 07 22 09 50.5	38.4N	15.0E	5	2.6D		¶97vi1151
ISC	Poorly determined						
ISC	**VI 10 07 36 43**±1.9	**38.1N**±.20	**14.5E**±.10	**5**		**4**	**0-1**
ROM	VI 10 07 36 43.2	38.1N	14.5E	5	2.5D		¶97vi1489
ISC	Poorly determined						
ISC	**VI 10 20 38 01**±1.5	**38.0N**±.28	**14.5E**±.10	**11**		**4**	**0-1**
ROM	VI 10 20 38 00.4	38.0N	14.5E	11	2.4D		¶97vi1564
ISC	Poorly determined						
ISC	**VI 10 22 25 04**±3.0	**37.8N**±.33	**15.0E**±.10	**5**		**4**	**0-1**
ROM	VI 10 22 25 04.2	38.0N	15.0E	5	2.4D		¶97vi1572
ISC	Poorly determined						
ISC	**VI 10 22 58 12**±3.2	**37.7N**±.30	**15.1E**±.11	**5**		**4**	**0-1**
ROM	VI 10 22 58 11.6	37.8N	15.1E	5	2.5D		¶97vi1577
ISC	Poorly determined						
ROM	**VI 10 22 59 58.5**	**37.7N**	**15.1E**	**5**	**2.3D**		¶97vi1579
ISC	**VI 10 23 24 30**±3.3	**37.7N**±.30	**15.1E**±.11	**5**		**4**	**0-1**
ROM	VI 10 23 24 28.9	37.7N	15.1E	5	2.8D		¶97vi1582
ISC	Poorly determined						
ROM	**VI 10 23 28 53.0**	**37.7N**	**15.1E**	**5**	**2.7D**		¶97vi1584
ROM	**VI 12 11 35 05.1**	**37.9N**	**15.0E**	**10**	**2.3D**		¶97vi1834
ROM	**VI 12 16 59 00.4**	**37.8N**	**14.7E**	**5**	**2.3D**		¶97vi1874
ROM	**VI 13 23 01 13.4**	**37.8N**	**14.9E**	**5**	**2.3D**		¶97vi2055
ROM	**VI 14 05 00 04.7**	**38.0N**	**15.2E**	**10**	**2.4D**		¶97vi2090
ROM	**VI 14 23 01 58.1**	**38.3N**	**15.0E**	**116**	**2.4D**		¶97vi2188
ISC	**VI 15 01 35 22**±1.1	**37.68N**±.070	**15.0E**±.11	**5**		**5**	**0-1**
ROM	VI 15 01 35 21.9	37.7N	15.0E	5	2.4D		¶97vi2206
ROM	**VI 15 01 54 29.9**	**37.8N**	**15.0E**	**5**	**2.3D**		¶97vi2210
ISC	**VI 15 15 03 52**±1.6	**37.75N**±.086	**14.8E**±.12	**11**±20		**6**	**0-1**
ROM	VI 15 15 03 51.0	37.8N	14.9E	5	2.3D		¶97vi2317

ISC	**VI**	**15 15 32 03.7**±.64	**37.80N**±.062	**14.87E**±.070	**24**±9.3		**15**	**0-4**
ROM	VI	15 15 32 03.4	37.8N	14.9E	11	3.3D		**¶97vi2321**
ISC	**VI**	**17 09 26 00**±1.3	**37.8N**±.11	**14.7E**±.11	**13**±13		**6**	**0-2**
ROM	VI	17 09 25 59.9	37.8N	14.7E	14	2.7D		**¶97vi2588**
ROM	**VI**	**17 12 35 30.9**	**37.9N**	**14.8E**	**15**	**2.3D**		**¶97vi2631**
ISC	**VI**	**17 14 16 27**±1.4	**37.9N**±.47	**14.7E**±.13	**12**		**4**	**0-1**
ROM	VI	17 14 16 26.5	37.9N	14.7E	12	2.3D		**¶97vi2644**
ISC		Poorly determined						
ISC	**VI**	**17 15 28 51**±1.1	**38.0N**±.25	**14.7E**±.11	**15**		**5**	**0-2**
ROM	VI	17 15 28 49.7	37.8N	14.7E	15	2.4D		**¶97vi2653**
ISC	**VI**	**17 19 15 53**±2.9	**37.8N**±.26	**14.8E**±.11	**8**		**4**	**0-1**
ROM	VI	17 19 15 53.6	37.8N	14.7E	8	2.6D		**¶97vi2680**
ISC		Poorly determined						
ISC	**VI**	**21 03 52 52.6**±.88	**37.69N**±.059	**14.97E**±.095	**5**		**6**	**0-1**
ROM	VI	21 03 52 52.2	37.7N	14.9E	5	2.4D		**¶97vi3152**
ISC	**VI**	**21 07 57 58.4**±.77	**38.00N**±.076	**14.84E**±.062	**29**±7.4	**3.7b,**2.3s	**33**	**0-33**
EIDC	VI	21 07 57 57.2	38.1N	16.3E	0	3.7b,3.3s		**¶97vi3178**
ROM	VI	21 07 57 57.5	37.9N	14.9E	18	3.5D		
ISC	**VI**	**22 08 39 02.3**±.98	**37.83N**±.088	**14.78E**±.083	**9**		**6**	**0-2**
ROM	VI	22 08 39 01.8	37.8N	14.8E	9	2.7D		**¶97vi3352**
ROM	**VI**	**22 09 01 30.2**	**37.8N**	**14.8E**	**6**	**2.3D**		**¶97vi3357**
ROM	**VI**	**22 13 18 25.5**	**38.5N**	**16.0E**	**10**	**2.1D**		**¶97vi3389**
ISC	**VI**	**22 15 10 38.4**±.98	**38.0N**±.15	**14.7E**±.10	**14**		**6**	**0-2**
ROM	VI	22 15 10 37.7	37.9N	14.8E	14	2.6D		**¶97vi3402**
ISC	**VI**	**22 17 49 43**±1.4	**38.2N**±.19	**13.6E**±.10	**5**		**5**	**0-2**
ROM	VI	22 17 49 42.6	38.1N	13.6E	5	2.7D		**¶97vi3417**
ISC	**VI**	**22 18 52 06.8**±.96	**37.86N**±.093	**14.72E**±.097	**19**±13		**8**	**0-2**
ROM	VI	22 18 52 06.5	37.8N	14.7E	14	2.6D		**¶97vi3419**
ROM	**VI**	**22 20 18 14.9**	**38.5N**	**16.0E**	**10**	**2.3D**		**¶97vi3432**
ROM	**VI**	**22 22 39 56.2**	**37.7N**	**14.9E**	**10**	**2.3D**		**¶97vi3452**
ROM	**VI**	**22 22 41 11.5**	**37.8N**	**15.0E**	**10**	**2.2D**		**¶97vi3454**
ROM	**VI**	**24 07 18 57.3**	**37.8N**	**14.7E**	**14**	**2.2D**		**¶97vi3667**
ISC	**VI**	**28 15 14 36**±1.2	**38.6N**±.15	**15.5E**±.24	**219**±13	3.6b	**13**	**0-24**
EIDC	VI	28 15 13 45.9	35.3N	15.7E	0	3.8b,3.7L		**¶97vi4492**
ROM	VI	28 15 14 35.5	38.6N	15.6E	225	2.7D		
ISC	**VI**	**29 11 09 53**±1.6	**38.4N**±.15	**15.5E**±.42	**133**		**5**	**0-2**
ROM	VI	29 11 09 53.5	38.5N	15.6E	133	2.5D		**¶97vi4615**

(399) Ionian Sea.

ISC	**I**	**02 15 09 00**±1.9	**37.6N**±.11	**20.7E**±.14	**22**±9.5	**3.3b**	**28**	**1-24**
ATH	I	02 15 09 01.7	37.63N	20.68E	5	3.4D		**¶97i0226**
THE	I	02 15 09 01.7	37.8N	20.9E	1	3.2L		
EIDC	I	02 15 09 56.4	43.4N	22.7E	0	4.0L,3.4b		
ISC	**I**	**02 15 22 15**±2.6	**37.6N**±.13	**20.8E**±.16	**48**±23	**3.6b**	**11**	**4-74**
NEIC	I	02 15 22 10.3	37.41N	20.66E	10			**¶97i0228**
EIDC	I	02 15 22 10.6	37.7N	21.0E	0	3.5b,3.9L		
NEIC		Less reliable solution.						
ISC	**I**	**02 15 22 24.1**±.45	**37.65N**±.035	**20.71E**±.034	**51**±4.5	**4.3b,**4.1s	**160**	**1-132**
MOS	I	02 15 22 17.7	37.3N	20.7E	10	4.9b		**¶97i0229**
NEIC	I	02 15 22 19.1	37.55N	20.83E	10	4.5b		
ROM	I	02 15 22 25.5	37.5N	20.4E	10	3.6D		
THE	I	02 15 22 25.6	38.2N	21.1E	50	4.4L		
EIDC	I	02 15 22 25.8	37.7N	20.8E	43	4.2b,4.2L		
ATH	I	02 15 22 26.3	37.65N	20.87E	5	4.0L		
PDG	I	02 15 22 30.2	38.2N	19.5E	10	4.6L		
ATH	**I**	**02 15 31 23.6**	**37.48N**	**20.34E**	**10**	**2.8D**		**¶97i0231**
ISC	**I**	**02 15 42 13**±1.2	**37.67N**±.079	**20.7E**±.10	**2**	**3.4b**	**24**	**1-24**
THE	I	02 15 42 14.9	37.7N	20.8E	2	3.6L		**¶97i0232**
ATH	I	02 15 42 20.9	37.71N	21.26E	18	3.2L		
EIDC	I	02 15 42 57.0	42.2N	21.0E	0	4.0L,3.3b		
ROM	**I**	**05 00 12 18.2**	**37.7N**	**16.1E**	**25**	**2.1D**		**¶97i0598**
ISC	**I**	**07 08 28 27**±4.3	**37.9N**±.23	**16.2E**±.34	**82**±44		**5**	**0-1**
ROM	I	07 08 28 29.7	37.9N	16.0E	60	2.6D		**¶97i0899**
ISC		Poorly determined						
ATH	**I**	**07 16 31 28.6**	**37.30N**	**20.34E**	**5**			**¶97i0946**
ATH	**I**	**18 22 02 52.4**	**37.36N**	**20.24E**	**5**	**2.8D**		**¶97i2719**
ISC	**I**	**19 20 36 08.6**±.70	**37.58N**±.058	**20.44E**±.055	**5**	**3.8b**	**47**	**1-32**
NEIC	I	19 20 36 11.2	37.62N	20.53E	33			**¶97i2882**
ATH	I	19 20 36 13.3	37.68N	20.66E	5	3.7L		
THE	I	19 20 36 15.5	37.8N	21.0E	6	3.7L		
EIDC	I	19 20 36 18.8	37.6N	21.4E	94	3.5b,3.8L		
NEIC		Less reliable solution.						
ISC	**I**	**28 18 52 00**±1.2	**37.6N**±.10	**20.59E**±.079	**44**±11	**3.5b**	**34**	**1-46**
EIDC	I	28 18 51 57.4	37.9N	20.6E	0	3.5b		**¶97i4244**
ATH	I	28 18 51 58.5	37.43N	20.68E	5	3.4D		
NEIC	I	28 18 52 02.1	37.74N	20.56E	58			
THE	I	28 18 52 02.2	37.6N	21.2E	136	2.0L		
NEIC		Less reliable solution.						
ISC	**I**	**31 19 49 28**±1.5	**37.7N**±.11	**21.0E**±.16	**13**±10		**21**	**1-4**
ATH	I	31 19 49 20.6	37.42N	20.24E	3	3.3D		**¶97i4666**
THE	I	31 19 49 27.8	37.7N	21.0E	7	3.1L		
ISC	**I**	**31 20 46 13**±2.6	**37.7N**±.14	**20.8E**±.23	**5**±15		**10**	**1-4**
ATH	I	31 20 46 13.1	37.60N	20.59E	5	3.2D		**¶97i4676**
THE	I	31 20 46 14.5	37.7N	20.8E	0			
ISC	**I**	**31 20 54 01**±1.8	**37.66N**±.094	**20.8E**±.14	**10**±9.0		**21**	**1-4**
ATH	I	31 20 54 01.9	37.64N	20.73E	5	3.5L		**¶97i4678**
THE	I	31 20 54 05.0	37.9N	20.9E	5	2.1L		
ISC	**II**	**01 00 37 18.9**±.96	**37.61N**±.065	**20.64E**±.048	**28**±7.9	**3.6b**	**49**	**1-74**
NEIC	II	01 00 37 14.3	37.54N	20.23E	10			**¶97ii0003**
ROM	II	01 00 37 17.6	37.5N	20.7E	10	3.5D		
EIDC	II	01 00 37 19.3	38.1N	20.9E	0	3.8b,3.8L		
ATH	II	01 00 37 22.2	37.78N	20.86E	5	3.4L		
THE	II	01 00 37 26.9	38.0N	21.2E	10	3.4L		
NEIC		Poor solution.						
ISC	**II**	**02 17 44 58**±1.5	**37.93N**±.096	**20.9E**±.13	**5**		**10**	**0-4**
ATH	II	02 17 44 58.1	37.89N	20.80E	5	3.5L		**¶97ii0253**
ISC	**II**	**06 06 39 05**±1.4	**37.1N**±.10	**20.95E**±.080	**26**±11	**3.7b**	**27**	**1-33**
NEIC	II	06 06 39 00.1	36.74N	21.35E	33			**¶97ii0808**
EIDC	II	06 06 39 02.0	37.3N	21.3E	0	3.8b		
ATH	II	06 06 39 07.3	37.31N	21.00E	5	3.5L		
THE	II	06 06 39 09.1	37.4N	21.1E	9	2.5L		
NEIC		Poor solution.						
ROM	**II**	**11 04 35 00.9**	**37.7N**	**16.2E**	**11**	**2.2D**		**¶97ii1585**
ISC	**II**	**16 11 03 18.4**±.43	**37.60N**±.033	**20.55E**±.027	**47**±4.4	**4.3b,4.3s**	**200**	**1-147**
BJI	II	16 11 03 15.9	37.56N	20.39E	40	4.5b,4.9s		**¶97ii2368**
NEIC	II	16 11 03 16.2	37.46N	20.64E	33	4.3b		
MOS	II	16 11 03 17.4	37.5N	20.7E	33	4.5s		
PDG	II	16 11 03 18.4	37.6N	20.0E	45	4.6L,4.6D		
THE	II	16 11 03 19.3	37.7N	20.7E	8	4.4L		
ATH	II	16 11 03 19.5	37.66N	20.71E	5	4.4L		
EIDC	II	16 11 03 19.6	37.6N	20.6E	48	4.1b,4.1s		
ISC	**II**	**21 22 22 35.8**±.91	**37.56N**±.081	**20.85E**±.063	**53**±7.9	**3.8b**	**36**	**1-74**
EIDC	II	21 22 22 32.1	37.8N	21.1E	0	3.8b		**¶97ii3130**
ROM	II	21 22 22 35.1	37.4N	20.8E	10	3.4D		
NEIC	II	21 22 22 35.1	37.76N	20.99E	33			
THE	II	21 22 22 36.0	37.7N	20.9E	10	3.4L		
ATH	II	21 22 22 38.0	37.65N	20.89E	5	3.3D		
NEIC		Poor solution.						
ISC	**II**	**22 01 12 47**±2.6	**37.6N**±.16	**20.9E**±.23	**22**		**4**	**1-2**
ATH	II	22 01 12 45.3	37.47N	20.65E	22	2.8D		**¶97ii3147**
THE	II	22 01 12 46.4	37.6N	20.8E	8			
ISC		Poorly determined						
ISC	**II**	**28 18 39 05**±3.3	**37.3N**±.17	**20.7E**±.25	**5**		**12**	**1-4**
ATH	II	28 18 39 06.1	37.25N	20.57E	5	3.7L		**¶97ii4310**
THE	II	28 18 39 11.3	37.5N	21.0E	3			
ROM	**III**	**03 22 46 55.6**	**37.9N**	**16.0E**	**25**	**2.3D**		**¶97iii0703**
ISC	**III**	**05 10 39 00**±2.3	**37.6N**±.14	**20.9E**±.23	**10**		**6**	**1-3**
THE	III	05 10 38 58.0	37.5N	20.7E	10	2.7L		**¶97iii1042**
ATH	III	05 10 39 00.6	37.65N	20.78E	5	2.7D		
ISC	**III**	**05 15 06 19.5**±.69	**37.48N**±.029	**20.72E**±.022	**31**±5.4	**4.5b,4.8s**	**251**	**1-92**
ROM	III	05 15 06 07.8	36.9N	21.8E	10	4.5D		**¶97iii1080**
MOS	III	05 15 06 15.9	37.4N	20.8E	10	5.2b		
BJI	III	05 15 06 15.9	37.50N	20.61E	17	4.8b,5.3s		
NEIC	III	05 15 06 16.7	37.45N	20.72E	10	4.3b		
ATH	III	05 15 06 21.3	37.49N	20.87E	5	4.3L		
THE	III	05 15 06 21.4	37.6N	21.0E	0	4.4L		
EIDC	III	05 15 06 22.4	37.5N	20.6E	42	4.2b,3.9L		
PDG	III	05 15 06 34.4	38.4N	19.2E	40	4.1L		
ISC	**III**	**05 17 54 38.6**±.71	**37.53N**±.055	**20.74E**±.052	**48**±6.3	**3.8b**	**70**	**1-93**
MOS	III	05 17 54 33.7	37.0N	21.4E	33	4.1b		**¶97iii1111**
NEIC	III	05 17 54 36.7	37.45N	20.67E	33	4.1b		
ATH	III	05 17 54 38.8	37.47N	20.69E	5	3.8L		
EIDC	III	05 17 54 38.9	37.5N	20.7E	35	3.7b,3.4L		
THE	III	05 17 54 40.3	37.8N	21.1E	0	3.6L		
ISC	**III**	**25 00 46 20.7**±.99	**37.50N**±.052	**16.06E**±.031	**30**±7.7	**3.9b**	**150**	**1-57**
NEIC	III	25 00 46 13.8	36.93N	16.03E	33	4.7b		**¶97iii4650**
ROM	III	25 00 46 15.7	37.2N	15.8E	5	3.7D		
EIDC	III	25 00 46 17.2	37.2N	15.6E	36	4.0b,4.3L		
MOS	III	25 00 46 19.0	37.3N	15.9E	33	4.8b		
PDG	III	25 00 46 28.9	38.3N	16.3E	9	4.6L,4.6D		
ISC	**III**	**26 03 13 27**±1.6	**37.59N**±.077	**19.84E**±.054	**5**±9.0	**4.0b**	**49**	**1-77**
NEIC	III	26 03 13 27.7	37.63N	19.71E	10			**¶97iii4835**
THE	III	26 03 13 35.2	38.1N	20.1E	1	3.5L		
EIDC	III	26 03 13 37.2	37.8N	19.6E	71	3.6b		
ATH	III	26 03 13 39.3	37.99N	20.39E	5	3.8L		
NEIC		Less reliable solution.						
ISC	**III**	**26 05 27 16**±8.1	**37.2N**±.40	**20.7E**±.63	**5**		**6**	**1-3**
THE	III	26 05 27 17.7	37.2N	20.8E	0			**¶97iii4845**
ATH	III	26 05 27 19.3	37.27N	20.87E	5	3.1D		
ISC	**III**	**28 13 46 43**±4.2	**37.6N**±.16	**20.5E**±.34	**8**±13		**8**	**1-4**
ATH	III	28 13 46 45.6	37.67N	20.65E	5	3.0D		**¶97iii5444**
ATH	**III**	**30 08 44 20.5**	**37.35N**	**20.55E**	**5**	**2.8D**		**¶97iii5729**
ISC	**III**	**30 11 12 19**±2.8	**37.5N**±.12	**20.7E**±.18	**15**±11		**18**	**1-5**
ATH	III	30 11 12 15.7	37.27N	20.48E	5	3.4D		**¶97iii5746**
THE	III	30 11 12 19.3	37.5N	20.7E	16	3.3L		
ISC	**III**	**30 12 57 41.7**±.73	**37.60N**±.029	**19.97E**±.024	**17**±5.8	**4.5b,**4.2s	**226**	**1-123**
ROM	III	30 12 57 41.2	37.5N	20.1E	10	4.1D		**¶97iii5762**
BJI	III	30 12 57 42.6	37.68N	20.12E	29	4.7b		
THE	III	30 12 57 42.8	37.6N	20.0E	0	4.3L		
MOS	III	30 12 57 43.5	37.6N	19.9E	33	4.9b		
ATH	III	30 12 57 43.6	37.62N	20.04E	5	4.3L		
NEIC	III	30 12 57 44.2	37.66N	19.92E	33	4.3b		
EIDC	III	30 12 57 45.1	37.7N	20.0E	28	4.3b,4.3L		
PDG	III	30 12 57 46.2	37.9N	17.9E	45	4.5L,4.3D		
LJU	III	30 12 57 49.4	38.63N	20.9E	7			
ATH	**III**	**31 19 55 21.0**	**37.40N**	**20.42E**	**5**			**¶97iii5923**
ATH	**IV**	**02 16 19 33.1**	**38.01N**	**19.85E**	**10**	**2.9D**		**¶97iv0271**
ISC	**IV**	**03 12 22 43**±5.4	**37.2N**±.22	**20.6E**±.44	**5**		**4**	**1-2**
ATH	IV	03 12 22 41.3	37.02N	20.45E	5			**¶97iv0428**
ISC		Poorly determined						
ATH	**IV**	**22 03 07 05.1**	**37.24N**	**20.78E**	**5**	**2.6D**		**¶97iv3626**
ISC	**IV**	**28 03 17 01.0**±.42	**37.55N**±.031	**20.75E**±.023	**44**±4.2	**4.3b,4.7s**	**227**	**1-122**
ATH	IV	28 03 16 59.3	37.47N	20.78E	5	4.1L		**¶97iv4837**
BJI	IV	28 03 16 59.3	37.50N	20.80E	33	4.5b		
NEIC	IV	28 03 16 59.3	37.47N	20.83E	33	4.5b		
MOS	IV	28 03 16 59.7	37.5N	20.8E	33	5.2b,4.9s		
THE	IV	28 03 17 00.4	37.5N	20.9E	1	4.3L		
EIDC	IV	28 03 17 04.0	37.6N	20.7E	56	4.0b,4.4s		
PDG	IV	28 03 17 08.1	38.2N	19.8E	10	4.6L,4.5D		
ISC	**IV**	**28 03 22 45**±2.5	**37.5N**±.15	**20.8E**±.22	**5**		**9**	**1-4**
ATH	IV	28 03 22 45.2	37.41N	20.60E	5	3.6L		**¶97iv4838**
THE	IV	28 03 22 47.4	37.6N	20.8E	1			
ISC	**IV**	**28 03 24 18**±3.8	**37.6N**±.24	**20.9E**±.46	**5**		**5**	**1-3**
ATH	IV	28 03 24 19.3	37.57N	20.91E	5	3.4D		**¶97iv4839**
ISC	**IV**	**28 03 42 37**±2.6	**37.5N**±.14	**20.8E**±.23	**5**		**11**	**1-4**
ATH	IV	28 03 42 39.1	37.61N	20.87E	5	3.2D		**¶97iv4842**
ISC	**IV**	**28 08 15 39**±3.4	**37.5N**±.16	**20.8E**±.31	**5**		**5**	**1-2**
ATH	IV	28 08 15 39.4	37.43N	20.66E	5			**¶97iv4876**
THE	IV	28 08 15 42.2	37.5N	21.0E	2			
ATH	**IV**	**28 09 10 40.4**	**37.31N**	**20.56E**	**5**			**¶97iv4882**
THE	IV	28 09 10 39.2	37.3N	20.5E	0			
ISC	**IV**	**28 10 28 30.3**±.57	**37.43N**±.049	**20.83E**±.041	**46**±5.8	**3.8b**	**70**	**1-122**
MOS	IV	28 10 28 25.3	37.3N	21.0E	10	4.2b		**¶97iv4895**
NEIC	IV	28 10 28 25.3	37.34N	20.95E	10	4.2b		
EIDC	IV	28 10 28 25.6	37.4N	21.0E	0	3.9b,3.3L		
THE	IV	28 10 28 29.2	37.4N	20.9E	5	3.8L		
ATH	IV	28 10 28 30.6	37.46N	20.94E	5	3.9L		
ATH	**IV**	**28 11 31 17.7**	**37.32N**	**20.57E**	**5**	**2.9D**		**¶97iv4908**
THE	IV	28 11 31 16.4	37.3N	20.4E	0			
ATH	**IV**	**28 13 40 38.9**	**37.31N**	**20.57E**	**5**			**¶97iv4928**
ATH	**IV**	**28 20 02 47.8**	**37.29N**	**20.38E**	**5**			**¶97iv4973**
ATH	**IV**	**29 00 36 47.1**	**37.50N**	**19.79E**	**9**			**¶97iv4995**
ISC	**IV**	**29 03 23 42**±1.6	**37.4N**±.11	**20.77E**±.085	**22**±12		**26**	**1-5**
ATH	IV	29 03 23 44.4	37.57N	20.85E	5	3.3D		**¶97iv5014**
THE	IV	29 03 23 45.2	37.7N	21.1E	1	3.2L		
ATH	**IV**	**29 04 29 59.4**	**37.30N**	**20.47E**	**5**			**¶97iv5021**
ISC	**IV**	**29 10 28 33**±2.7	**37.5N**±.13	**20.8E**±.23	**4**±13		**15**	**1-4**
ATH	IV	29 10 28 35.0	37.46N	20.78E	5	3.0D		**¶97iv5063**
THE	IV	29 10 28 38.9	37.6N	21.2E	1	3.1L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**29 23 52 19.1**±.45	**37.49N**±.036	**20.70E**±.031	**51**±5.1	**3.9b,3.6s**	**134**	**1-80**
THE	IV	29 23 52 17.1	37.4N	20.7E	2	4.0L		¶97iv5135
MOS	IV	29 23 52 17.6	37.4N	20.9E	33	4.4b		
NEIC	IV	29 23 52 17.6	37.44N	20.85E	33	4.2b,3.9s		
ATH	IV	29 23 52 17.9	37.42N	20.80E	5	4.1L		
PDG	IV	29 23 52 21.2	37.8N	19.6E	10	4.5L		
EIDC	IV	29 23 52 21.7	37.5N	20.8E	52	3.8b,3.4s		
ATH	**IV**	**30 08 40 26.5**	**37.34N**	**20.32E**	**10**			**¶97iv5185**
ISC	**V**	**01 05 05 34**±2.9	**37.5N**±.17	**20.7E**±.28	**5**		**6**	**1-2**
ATH	V	01 05 05 33.0	37.40N	20.55E	5	3.0D		¶97v0036
THE	V	01 05 05 34.5	37.5N	20.7E	0			
ISC	**V**	**01 21 16 26**±1.7	**37.9N**±.12	**20.9E**±.16	**5**		**6**	**0-3**
ATH	V	01 21 16 26.1	37.81N	20.75E	5	3.2D		¶97v0158
ISC	**V**	**02 06 20 33.8**±.64	**37.20N**±.060	**20.85E**±.060	**10**	**3.8b**,4.2s	**36**	**1-74**
NEIC	V	02 06 20 34.0	37.45N	21.14E	10	4.3b		¶97v0215
MOS	V	02 06 20 34.3	37.3N	21.2E	10	4.6b		
THE	V	02 06 20 37.2	37.4N	20.6E	0	3.6L		
ATH	V	02 06 20 37.4	37.40N	20.57E	5	3.9L		
EIDC	V	02 06 20 39.3	37.5N	21.1E	35	3.7b,3.7L		
NEIC	Less reliable solution.							
ISC	**V**	**02 07 19 05**±5.7	**37.4N**±.24	**20.3E**±.56	**10**		**4**	**1-2**
ATH	V	02 07 19 04.8	37.36N	20.28E	10	3.2D		¶97v0223
ISC	Poorly determined							
ISC	**V**	**03 00 12 49**±7.5	**37.6N**±.37	**20.5E**±.77	**5**		**4**	**1-2**
ATH	V	03 00 12 45.8	37.53N	20.01E	5			¶97v0347
ISC	Poorly determined							
ISC	**V**	**03 12 14 20.9**±.83	**37.24N**±.063	**20.64E**±.082	**5**	**3.8b**	**46**	**1-74**
NEIC	V	03 12 14 25.0	37.43N	20.80E	33	4.1b		¶97v0436
MOS	V	03 12 14 26.0	37.3N	20.7E	33	4.3b		
ATH	V	03 12 14 28.3	37.54N	20.92E	5	3.7L		
THE	V	03 12 14 29.1	37.6N	21.0E	1	3.6L		
EIDC	V	03 12 14 29.1	37.5N	20.8E	58	3.6b,3.6L		
NEIC	Less reliable solution.							
ISC	**V**	**05 06 34 22**±2.4	**37.6N**±.16	**20.9E**±.23	**5**		**6**	**1-2**
ATH	V	05 06 34 20.3	37.49N	20.67E	5	3.1D		¶97v0750
THE	V	05 06 34 21.8	37.6N	20.8E	1			
ISC	**V**	**05 15 40 00**±1.3	**37.37N**±.063	**20.69E**±.078	**32**±10	**3.6b**	**35**	**1-74**
EIDC	V	05 15 39 56.2	37.4N	20.9E	0	3.7b,4.0L		¶97v0806
NEIC	V	05 15 39 59.3	37.38N	20.94E	33			
ATH	V	05 15 40 01.2	37.43N	20.67E	5	3.6D		
THE	V	05 15 40 02.7	37.6N	20.9E	0	3.3L		
NEIC	Less reliable solution.							
ATH	**V**	**08 01 06 37.0**	**37.39N**	**20.30E**	**25**			**¶97v1163**
ISC	**V**	**08 16 12 41**±4.1	**37.5N**±.18	**20.6E**±.31	**1**±17		**7**	**1-2**
THE	V	08 16 12 44.2	37.5N	20.7E	0			¶97v1277
ATH	V	08 16 12 44.5	37.53N	20.69E	5	3.2D		
ISC	**V**	**10 14 08 05**±1.9	**37.3N**±.11	**20.66E**±.091	**23**±10	**3.4b**	**33**	**1-74**
EIDC	V	10 14 08 02.7	37.4N	20.6E	0	3.4b		¶97v1614
NEIC	V	10 14 08 05.2	37.25N	20.95E	33			
ATH	V	10 14 08 10.1	37.57N	20.82E	5	3.4D		
THE	V	10 14 08 11.9	37.7N	20.9E	6	3.1L		
NEIC	Poor solution.							
ISC	**V**	**12 02 51 12**±2.4	**37.3N**±.14	**20.8E**±.20	**5**		**15**	**1-5**
ATH	V	12 02 51 11.8	37.19N	20.76E	5	3.2D		¶97v1876
THE	V	12 02 51 13.0	37.3N	20.8E	0			
ISC	**V**	**13 01 03 37**±3.9	**37.3N**±.21	**20.9E**±.30	**5**		**6**	**1-4**
ATH	V	13 01 03 36.1	37.23N	20.77E	5	3.1D		¶97v2095
THE	V	13 01 03 39.0	37.4N	20.9E	6			
ISC	**VI**	**06 08 11 41**±17	**37.9N**±.99	**16.2E**±.55	**14**±24		**5**	**0-1**
ROM	VI	06 08 11 43.3	38.0N	16.1E	17	2.7D		¶97vi0911
ISC	Poorly determined							
ISC	**VI**	**08 04 24 24.9**±.93	**37.48N**±.081	**20.85E**±.058	**1**		**29**	**1-5**
THE	VI	08 04 24 26.7	37.5N	20.9E	1	3.2L		¶97vi1177
ATH	VI	08 04 24 38.3	37.94N	21.46E	38	3.3L		
ISC	**VI**	**14 23 25 07**±2.6	**37.5N**±.15	**21.0E**±.24	**5**		**12**	**1-4**
ATH	VI	14 23 25 02.4	37.24N	23.41E	5	3.1D		¶97vi2191

(400) Mediterranean Sea.

ISC	**I**	**08 05 31 30**±8.8	**35.7N**±.62	**21.7E**±.20	**10**		**6**	**1-5**
ATH	I	08 05 31 38.3	37.71N	23.02E	5			¶97i1024
THE	I	08 05 31 44.8	36.8N	21.7E	10			
ATH	**I**	**11 22 45 09.4**	**35.83N**	**22.64E**	**10**	**2.7D**		**¶97i1588**
ISC	**I**	**12 17 37 21**±1.1	**35.50N**±.046	**22.99E**±.042	**24**±8.6	**4.1b**	**98**	**1-120**
NEIC	I	12 17 37 22.0	35.52N	23.05E	33	4.1b		¶97i1717
BJI	I	12 17 37 22.7	35.36N	22.65E	50			
ATH	I	12 17 37 23.0	35.74N	22.98E	5	3.8L		
EIDC	I	12 17 37 23.9	35.8N	23.2E	23	4.0b,4.0L		
THE	I	12 17 37 25.8	35.9N	22.9E	0	3.7L		
ATH	**I**	**21 02 04 03.7**	**35.11N**	**22.93E**	**24**	**3.9D**		**¶97i3120**
ISC	**I**	**28 18 56 43**±11	**36.3N**±.66	**20.3E**±.65	**5**		**9**	**2-5**
THE	I	28 18 56 55.2	36.9N	20.9E	38			¶97i4246
ATH	I	28 18 57 06.2	37.68N	20.86E	5	3.1D		
ISC	**II**	**15 23 04 03**±1.4	**35.36N**±.097	**22.4E**±.13	**59**±13	**3.5b**	**24**	**1-80**
EIDC	II	15 23 03 56.6	35.4N	23.1E	0	3.7b		¶97ii2307
THE	II	15 23 04 01.1	35.3N	22.2E	10			
ATH	II	15 23 04 04.3	35.28N	22.44E	33	3.7D		
ISC	**II**	**17 19 25 43**±1.5	**33.7N**±.26	**23.3E**±.16	**100**	**3.3b**	**10**	**10-78**
EIDC	II	17 19 24 39.0	27.2N	26.9E	0	3.7b		¶97ii2533
ISC	**II**	**19 01 45 58**±2.4	**35.4N**±.18	**22.6E**±.19	**63**±15	**3.6b**	**31**	**1-77**
EIDC	II	19 01 45 33.2	33.2N	28.3E	0	3.9b,3.8L		¶97ii2718
THE	II	19 01 46 07.3	36.0N	23.6E	10			
ATH	II	19 01 46 07.3	35.72N	23.36E	24	3.6L		
ISC	**II**	**19 07 00 48**±1.3	**35.79N**±.070	**22.9E**±.10	**23**±11	**3.7b**	**23**	**1-79**
ATH	II	19 07 00 49.0	35.83N	22.94E	5	3.6D		¶97ii2743
NEIC	II	19 07 00 50.5	35.84N	23.26E	50	3.3b		
EIDC	II	19 07 00 56.9	35.9N	23.0E	94	3.5b,3.1L		
NEIC	Less reliable solution.							
ATH	**III**	**13 11 29 51.1**	**34.30N**	**22.02E**	**10**	**3.6D**		**¶97iii2691**
ISC	**III**	**15 19 32 31**±1.4	**35.1N**±.17	**22.6E**±.19	**33**	**3.7b**	**6**	**12-35**
EIDC	III	15 19 32 35.3	35.1N	22.7E	60	3.2b		¶97iii3095
ISC	**III**	**22 01 00 08**±4.7	**33.9N**±.37	**21.5E**±.16	**100**	**3.2b**	**20**	**3-81**
EIDC	III	22 01 00 35.7	37.8N	25.1E	0	3.3b,4.5L		¶97iii4169
ISC	**IV**	**19 08 47 06**±2.1	**36.0N**±.14	**22.1E**±.14	**5**		**8**	**1-4**
ATH	IV	19 08 47 04.1	35.78N	21.86E	5	3.7L		¶97iv3178
ISC	**IV**	**30 05 46 00.3**±.94	**35.37N**±.038	**22.36E**±.029	**33**±6.7	**4.3b,3.5s**	**195**	**1-120**
MOS	IV	30 05 45 55.1	35.2N	22.5E	10	5.0b		¶97iv5172
NEIC	IV	30 05 45 56.7	35.38N	22.49E	10	4.1b		
BJI	IV	30 05 45 57.0	35.23N	22.24E	30	4.6b		
ATH	IV	30 05 45 59.7	35.32N	22.38E	2	4.2L		
EIDC	IV	30 05 45 59.8	35.4N	22.5E	19	4.2b,3.3s		
THE	IV	30 05 46 00.6	35.4N	22.4E	10	4.2L		
PDG	IV	30 05 46 11.7	36.2N	20.3E	10	4.6L		
ISC	**V**	**04 00 42 40**±2.8	**34.5N**±.13	**22.0E**±.13	**26**±19	**3.4b**	**29**	**2-77**
ATH	V	04 00 42 39.2	34.36N	21.92E	10	3.8D		¶97v0531
THE	V	04 00 42 43.1	34.8N	22.0E	6	3.7L		
EIDC	V	04 00 42 46.5	35.0N	22.5E	40	3.4b,3.6L		
ISC	**V**	**08 18 53 13**±1.9	**36.61N**±.097	**20.9E**±.10	**19**±16		**20**	**1-6**
ATH	V	08 18 53 17.7	36.70N	21.15E	30	3.7L		¶97v1298
THE	V	08 18 53 17.9	36.8N	21.1E	31	3.3L		
ISC	**V**	**10 14 38 28**±1.1	**35.30N**±.082	**22.67E**±.080	**64**±8.5	**3.8b**	**47**	**1-80**
NEIC	V	10 14 38 24.9	35.28N	23.00E	33	4.0b		¶97v1619
MOS	V	10 14 38 25.3	35.2N	23.1E	33	4.6b		
THE	V	10 14 38 26.5	35.2N	22.6E	17	3.5L		
ATH	V	10 14 38 30.2	35.31N	22.85E	31	3.8L		
EIDC	V	10 14 38 32.6	35.3N	23.1E	82	3.6b,3.9L		
NEIC	Less reliable solution.							
ISC	**V**	**12 02 53 35**±7.2	**36.8N**±.36	**20.3E**±.46	**5**		**8**	**1-5**
THE	V	12 02 53 44.6	37.2N	20.8E	0			¶97v1877
ATH	V	12 02 53 45.8	37.27N	20.93E	5	3.2D		
ISC	**V**	**16 15 36 18**±4.8	**35.7N**±.41	**22.7E**±.46	**38**		**4**	**1-4**
ATH	V	16 15 36 18.7	35.70N	22.74E	38	3.3D		¶97v2799
ISC	Poorly determined							
ISC	**V**	**18 07 09 42**±1.8	**36.6N**±.15	**12.84E**±.069	**40**±13	**3.7b**	**38**	**1-34**
ROM	V	18 07 09 40.5	36.5N	12.8E	5	3.5D		¶97v3045
NEIC	V	18 07 09 42.8	36.83N	12.87E	10			
EIDC	V	18 07 09 45.7	37.0N	15.1E	0	3.8b,4.0L		
NEIC	Less reliable solution.							
ATH	**V**	**19 01 17 26.9**	**35.62N**	**22.71E**	**10**	**3.2D**		**¶97v3176**
ISC	**V**	**31 23 36 43**±1.2	**35.7N**±.11	**21.21E**±.067	**82**	**3.6b**	**47**	**2-79**
EIDC	V	31 23 36 32.9	35.3N	21.6E	0	3.8b,4.0L		¶97v5255
ATH	V	31 23 36 39.7	35.28N	21.38E	82	4.0L		
THE	V	31 23 36 46.6	36.1N	21.5E	10	3.6L		
ROM	**VI**	**01 15 01 31.6**	**35.5N**	**13.0E**	**10**	**3.1D**		**¶97vi0103**
ISC	**VI**	**08 01 37 34.9**±.86	**35.47N**±.031	**22.44E**±.024	**17**±6.8	**4.6b,3.9s**	**238**	**1-130**
EIDC	VI	08 01 37 34.9	35.7N	22.5E	0	4.7b,3.9s		¶97vi1163
MOS	VI	08 01 37 37.0	35.6N	22.5E	33	5.1b		
NEIC	VI	08 01 37 37.0	35.62N	22.62E	33	4.3b		
BJI	VI	08 01 37 38.2	35.73N	22.40E	40	4.8b		
ATH	VI	08 01 37 39.2	35.52N	22.32E	95	4.5L		
THE	VI	08 01 37 40.0	35.6N	22.4E	96	4.4L		
ROM	VI	08 01 37 42.2	35.8N	22.1E	10	4.4D		
PDG	VI	08 01 37 49.5	36.1N	20.6E	40	4.6L		
ISC	**VI**	**19 03 51 07**±1.3	**35.52N**±.096	**21.43E**±.071	**56**±12	**3.9b**	**37**	**2-80**
EIDC	VI	19 03 51 01.8	35.5N	21.7E	0	3.7b,3.2L		¶97vi2869
NEIC	VI	19 03 51 05.3	35.55N	21.59E	33			
ATH	VI	19 03 51 26.7	37.17N	22.82E	5	3.4D		
THE	VI	19 03 51 28.1	36.9N	22.4E	20	3.5L		
ROM	VI	19 03 51 46.7	37.3N	17.7E	200	3.2D		
NEIC	Single network solution.							

SEISMIC REGION 32.
ATLANTIC OCEAN.

(402) North Atlantic Ocean.

ISC	**I**	**08 02 23 35.8**±.54	**60.3N**±.15	**29.7W**±.14	**10**	**3.9b**,3.6s	**21**	**15-91**
EIDC	I	08 02 23 34.2	60.0N	29.6W	0	3.8b,3.5L		¶97i1007
NEIC	I	08 02 23 35.0	60.21N	29.71W	10	4.1b,3.6s		
NEIC	Less reliable solution.							
ISC	**I**	**21 05 20 16.4**±.71	**54.1N**±.17	**35.2W**±.18	**10**	**4.1b**	**16**	**18-149**
NEIC	I	21 05 20 15.9	54.13N	35.16W	10			¶97i3144
EIDC	I	21 05 20 16.4	54.2N	35.0W	0	3.8b,3.7L		
NEIC	Single network solution.							
ISC	**II**	**01 10 45 50**±1.1	**40.3N**±.22	**36.5W**±.31	**10**	**3.7b**	**8**	**44-63**
NEIC	II	01 10 45 49.7	40.29N	36.53W	10	3.4b		¶97ii0064
EIDC	II	01 10 45 53.1	40.4N	36.2W	20	3.7b		
NEIC	Poor solution.							
ISC	**II**	**05 21 19 03.6**±.49	**54.09N**±.099	**35.2W**±.11	**10**	**3.9b**,3.9s	**28**	**18-149**
NEIC	II	05 21 19 03.6	54.11N	35.13W	10	4.0b		¶97ii0751
EIDC	II	05 21 19 07.8	54.2N	34.9W	25	3.7b,3.8L		
NEIC	Less reliable solution.							
ISC	**II**	**08 04 13 26**±6.5	**36.6N**±.14	**11.4W**±.71	**30**		**6**	**3-7**
RBA	II	08 04 13 30.3	36.63N	11.19W	30	3.0D		¶97ii1090
MDD	II	08 04 13 30.7	36.56N	10.88W		3.2		
ISC	**II**	**08 16 21 32.7**±.48	**56.8N**±.12	**33.9W**±.11	**10**	**4.0b,3.9s**	**34**	**18-146**
NEIC	II	08 16 21 32.2	56.82N	33.85W	10	3.9b		¶97ii1169
EIDC	II	08 16 21 32.3	56.9N	33.7W	0	3.8b,3.8s		
NEIC	Less reliable solution.							
ISC	**II**	**12 07 05 39**±3.7	**54.6N**±.40	**35.5W**±.67	**10**	**3.6b**	**8**	**18-148**
EIDC	II	12 07 05 35.6	54.5N	34.8W	0	3.5b,3.7L		¶97ii1734
NEIC	II	12 07 05 37.7	54.52N	35.34W	10			
NEIC	Poor solution.							
ISC	**II**	**12 07 13 19.5**±.24	**53.47N**±.063	**35.38W**±.045	**14**	**4.6b,4.4s**	**114**	**15-158**
EIDC	II	12 07 13 18.1	53.4N	35.5W	0	4.3b,4.2s		¶97ii1735
BJI	II	12 07 13 18.4	53.60N	35.74W	14	4.9b		
NEIC	II	12 07 13 18.6	53.46N	35.40W	10	4.8b,4.5s		
MOS	II	12 07 13 19.2	53.6N	35.3W	10	5.0b		
ISC	**II**	**12 16 37 59.4**±.80	**53.5N**±.25	**35.4W**±.14	**10**	**3.8b**	**17**	**18-149**
NEIC	II	12 16 37 59.2	53.45N	35.42W	10	4.0b		¶97ii1791
EIDC	II	12 16 37 59.4	53.4N	35.5W	0	3.7b,3.9L		
NEIC	Less reliable solution.							
EIDC	**II**	**15 11 04 31.8**	**57.2N**	**33.5W**	**0**	3.6b,3.6L		**19-145**
								¶97ii2220
ISC	**II**	**15 21 47 45**±1.5	**55.4N**±.35	**34.2W**±.33	**10**	**3.4b**	**5**	**26-147**
EIDC	II	15 21 47 45.5	55.4N	34.2W	0	3.4b		¶97ii2299
ISC	Poorly determined							
ISC	**II**	**27 13 17 45**±1.2	**59.9N**±.29	**30.1W**±.43	**10**	**3.5b**	**5**	**20-49**
NEIC	II	27 13 17 44.8	59.97N	30.07W	10	3.1b		¶97ii3960
EIDC	II	27 13 17 45.3	60.0N	29.9W	0	3.5b		
NEIC	Poor solution.							
ISC	**III**	**07 08 30 35**±6.0	**58.2N**±.87	**33.7W**±.78	**10**	**3.4b**	**4**	**38-48**
EIDC	III	07 08 30 31.7	58.0N	33.1W	0	3.3b		¶97iii1478
ISC	Poorly determined							
ISC	**III**	**07 08 31 27**±2.0	**58.0N**±.34	**33.0W**±.31	**10**	**3.8b**	**7**	**29-60**
NEIC	III	07 08 31 26.7	57.98N	33.02W	10			¶97iii1479
EIDC	III	07 08 31 27.6	58.0N	33.1W	0	3.8b		
NEIC	Poor solution.							

ISC	**III**	**07 08 32 57.5**±.47	**58.1N**±.11	**32.37W**±.093	**10**	**4.2b,4.2s**	**37**	**18-66**
NEIC	III	07 08 32 57.3	58.02N	32.43W	10	4.3b		**¶97iii1480**
EIDC	III	07 08 32 57.5	58.0N	32.5W	0	4.2b,4.3s		
MOS	III	07 08 33 00.1	58.3N	32.9W	10	4.4b		
ISC	**III**	**08 06 10 48.2**±.23	**58.09N**±.064	**32.35W**±.054	**10**	**4.5b,4.4s**	**110**	**16-144**
EIDC	III	08 06 10 46.6	57.8N	32.4W	0	4.4b,4.2s		**¶97iii1682**
BJI	III	08 06 10 47.9	58.57N	31.92W	3	4.5b		
NEIC	III	08 06 10 47.9	58.11N	32.35W	10	4.6b,4.5s		
MOS	III	08 06 10 50.1	58.7N	32.1W	10	4.9b		
ISC	**III**	**08 06 12 35.5**±.46	**58.1N**±.12	**32.5W**±.11	**10**	**4.3b**	**35**	**16-144**
EIDC	III	08 06 12 34.2	57.6N	32.8W	0	4.1b,3.4L		**¶97iii1683**
NEIC	III	08 06 12 35.1	58.02N	32.51W	10	4.6b		
ISC	**III**	**08 11 00 17**±1.3	**57.9N**±.35	**32.4W**±.50	**10**	**3.8b**	**5**	**38-66**
EIDC	III	08 11 00 17.1	57.9N	32.5W	0	3.6b		**¶97iii1736**
ISC	**III**	**08 17 41 57.9**±.23	**58.06N**±.052	**32.40W**±.053	**10**	**4.7b,4.7s**	**158**	**9-144**
BJI	III	08 17 41 56.8	58.11N	32.35W	10	4.9b,5.3s		**¶97iii1802**
EIDC	III	08 17 41 57.4	57.9N	32.5W	0	4.5b,4.6s		
NEIC	III	08 17 41 57.7	58.08N	32.39W	10	4.8b,4.7s		
MOS	III	08 17 41 58.1	58.1N	32.3W	10	4.8b		
ISC	**III**	**08 18 05 58.1**±.38	**58.11N**±.092	**32.25W**±.086	**10**	**4.5b,4.2s**	**56**	**16-144**
BJI	III	08 18 05 56.4	58.30N	32.27W	2	5.0b		**¶97iii1807**
EIDC	III	08 18 05 56.7	58.0N	32.5W	0	4.3b,4.1s		
NEIC	III	08 18 05 57.5	58.10N	32.24W	10	4.5b,4.2s		
MOS	III	08 18 05 58.0	58.0N	32.2W	10	5.0b		
ISC	**III**	**09 21 25 35**±2.3	**36.31N**±.094	**11.2W**±.21	**90**±19		**36**	**2-15**
NEIC	III	09 21 25 34.5	36.51N	11.08W	10			**¶97iii2091**
MDD	III	09 21 25 39.0	36.32N	11.09W	33	3.3		
NEIC	M_D3.4(MDD), Poor solution.							
EIDC	**III**	**14 07 23 20.9**	**21.7N**	**65.1W**	**0**	**3.5b**		**4-67**
								¶97iii2836
ISC	**III**	**15 03 46 48.7**±.51	**59.49N**±.074	**48.7W**±.12	**10**	**3.8b**	**23**	**8-144**
NEIC	III	15 03 46 49.2	59.54N	48.53W	10	3.2b		**¶97iii2992**
EIDC	III	15 03 46 49.9	59.6N	48.5W	0	3.6b		
OTT	III	15 03 46 51.0	59.6N	48.5W	18	4.3L		
NEIC	Less reliable solution.							
OTT	Southern Greenland 918km east from Resolution Island, Northwest Territories							
LIS	**III**	**15 06 36 01**	**36.73N**	**12.43W**		**2.7L**		**¶97iii3013**
EIDC	**III**	**17 06 03 42.9**	**20.1N**	**62.5W**	**28**	**3.2b**		**4-164**
								¶97iii3331
ISC	**III**	**18 13 56 14**±1.1	**58.1N**±.24	**33.0W**±.33	**10**	**3.5b**	**6**	**26-60**
EIDC	III	18 13 56 14.2	58.0N	33.0W	0	3.4b		**¶97iii3547**
ISC	**III**	**19 18 16 02.9**±.77	**52.9N**±.14	**34.9W**±.11	**10**	**3.8b**	**28**	**16-150**
NEIC	III	19 18 16 02.6	52.91N	34.91W	10	4.2b		**¶97iii3748**
MOS	III	19 18 16 05.8	53.4N	34.8W	10	4.8b		
EIDC	III	19 18 16 06.6	52.9N	35.0W	27	3.7b,4.0L		
NEIC	Less reliable solution.							
ISC	**IV**	**03 02 58 17.7**±.28	**57.07N**±.094	**33.54W**±.071	**10**	**4.3b,4.0s**	**65**	**18-147**
BJI	IV	03 02 58 16.0	57.00N	33.60W	10	4.7b		**¶97iv0370**
NEIC	IV	03 02 58 17.3	57.04N	33.56W	10	4.4b,4.2s		
EIDC	IV	03 02 58 23.7	57.1N	33.7W	52	3.8b,3.6s		
EIDC	**IV**	**03 03 28 47.9**	**57.1N**	**32.4W**	**0**	**2.4s,3.4b**		**19-145**
								¶97iv0373
ISC	**IV**	**03 05 17 25.0**±.19	**57.17N**±.051	**33.64W**±.046	**10**	**4.6b,4.7s**	**159**	**16-147**
BJI	IV	03 05 17 22.9	57.20N	33.61W	8	5.0b,5.2s		**¶97iv0384**
NEIC	IV	03 05 17 24.7	57.16N	33.63W	10	4.7b,4.8s		
HRVD	IV	03 05 17 28.8±.4	57.14N±.07	33.40W±.12	15			
EIDC	IV	03 05 17 30.1	57.1N	33.6W	39	4.0b,4.4s		
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c32; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.43±.46; $M_{\theta\theta}$1.17±.82; $M_{\phi\phi}$6.26±.52; $M_{r\theta}$−0.81±1.50; $M_{r\phi}$−1.70±2.60; $M_{\theta\phi}$2.43±.38. Principal Axes: T 7.47,Plg7°,Azm112°; N 0.20,Plg1°,Azm202°; P −7.66,Plg83°,Azm299°. Best double couple: $M_0$7.6×10^{16}Nm, NP1: ϕ_S201°,δ38°,λ−91°. NP2:ϕ_S23°,δ52°,λ−89°.							
ISC	**IV**	**03 07 56 45**±1.3	**57.8N**±.42	**33.1W**±.40	**10**	**3.4b,**3.9s	**6**	**19-145**
NEIC	IV	03 07 56 44.5	57.89N	33.04W	10			**¶97iv0395**
EIDC	IV	03 07 56 44.7	58.1N	32.8W	0	3.4b,3.8s		
NEIC	Poor solution.							
ISC	**IV**	**03 10 03 49.7**±.78	**57.5N**±.22	**33.2W**±.17	**10**	**3.8b,**3.2s	**11**	**17-145**
NEIC	IV	03 10 03 49.3	57.52N	33.20W	10			**¶97iv0410**
EIDC	IV	03 10 03 49.4	57.6N	33.1W	0	3.7b,3.0s		
NEIC	Less reliable solution.							
ISC	**IV**	**05 16 24 40**±6.7	**36.5N**±.63	**10.0W**±.78	**0**		**6**	**1-2**
LIS	IV	05 16 24 50	36.70N	9.60W		2.0L		**¶97iv0803**
LIS	**IV**	**06 14 12 56**	**36.93N**	**10.18W**		**2.3L**		**¶97iv1006**
ISC	**IV**	**11 17 12 24**±4.1	**39.37N**±.080	**11.3W**±.47	**30**		**14**	**2-4**
MDD	IV	11 17 12 25.3	39.36N	11.25W	30	3.1		**¶97iv1942**
LIS	IV	11 17 12 28	39.33N	11.40W		2.9L		
ISC	**IV**	**12 03 56 07**±7.7	**36.5N**±.91	**10.1W**±.89	**0**		**4**	**1-2**
LIS	IV	12 03 56 16	36.72N	9.62W		1.4L		**¶97iv2005**
ISC	Poorly determined							
ISC	**IV**	**20 20 35 18.3**±.89	**52.9N**±.26	**35.2W**±.18	**10**	**3.7b**	**10**	**19-150**
EIDC	IV	20 20 35 18.1	53.0N	35.2W	0	3.6b,3.7L		**¶97iv3358**
NEIC	IV	20 20 35 18.3	52.96N	35.19W	10	4.2b		
NEIC	Less reliable solution.							
LIS	**IV**	**28 06 43 38**	**36.42N**	**10.92W**		**2.9L**		**¶97iv4866**
MDD	IV	28 06 43 37.5	36.36N	11.00W		3.2		
ISC	**IV**	**28 13 18 25**±3.8	**9.2N**±.71	**34.7W**±.30	**10**	**3.9b**	**13**	**52-91**
EIDC	IV	28 13 18 22.4	8.6N	34.8W	0	3.8b		**¶97iv4924**
ISC	**IV**	**29 14 07 01**±6.3	**36.8N**±.26	**11.4W**±.50	**10**		**33**	**2-14**
NEIC	IV	29 14 07 05.8	37.04N	10.94W	10			**¶97iv5088**
LIS	IV	29 14 07 09	36.80N	10.87W		3.6L		
MDD	IV	29 14 07 09.8	36.96N	10.86W		3.5		
NEIC	mbLg3.6(MDD), Poor solution.							
LIS	**V**	**03 22 47 11**	**36.67N**	**11.10W**		**2.4L**		**¶97v0509**
ISC	**V**	**04 21 00 50.4**±.46	**57.3N**±.11	**33.3W**±.11	**10**	**4.0b,3.2s**	**28**	**17-148**
NEIC	V	04 21 00 49.9	57.34N	33.31W	10	4.2b		**¶97v0695**
EIDC	V	04 21 00 50.5	57.4N	33.2W	0	3.9b,3.1s		
ISC	**V**	**04 22 53 23.7**±.19	**57.29N**±.045	**33.38W**±.043	**10**	**4.7b,4.9s**	**218**	**17-147**
BJI	V	04 22 53 22.2	57.48N	33.52W	5	5.0b,5.2s		**¶97v0703**
MOS	V	04 22 53 22.3	57.1N	33.6W	10	5.2b,4.8s		
EIDC	V	04 22 53 22.6	57.2N	33.6W	0	4.4b,3.7L		
NEIC	V	04 22 53 23.2	57.26N	33.39W	10	4.9b		
ISC	**V**	**04 22 57 21.7**±.17	**57.22N**±.044	**33.49W**±.040	**10**	**4.9b,5.0s**	**263**	**17-159**
MOS	V	04 22 57 20.8	57.1N	33.6W	10	5.2b,4.9s		**¶97v0704**
BJI	V	04 22 57 21.3	57.20N	33.50W	10	5.1b,5.1s		
NEIC	V	04 22 57 21.3	57.22N	33.47W	10	5.0b,5.1s		
EIDC	V	04 22 57 21.4	57.3N	33.7W	0	4.6b,4.5s		
ISC	**V**	**06 19 40 33.8**±.89	**44.29N**±.052	**7.6W**±.12	**10**		**33**	**1-10**
NEIC	V	06 19 40 33.8	44.28N	7.61W	10			**¶97v1003**
MDD	V	06 19 40 37.5	44.17N	7.63W	13	3.8		
LDG	V	06 19 40 41.5	44.4N	7.2W		3.9L		
NEIC	mbLg3.8(MDD), Less reliable solution.							
ISC	**V**	**06 19 46 42.5**±.89	**44.31N**±.053	**7.6W**±.12	**10**		**33**	**1-10**
NEIC	V	06 19 46 41.8	44.32N	7.70W	10			**¶97v1005**
MDD	V	06 19 46 45.8	44.20N	7.65W	11	3.7		
LDG	V	06 19 46 50.3	44.4N	7.2W		3.6L		
NEIC	mbLg3.7(MDD), Less reliable solution.							
LIS	**V**	**07 12 30 52**	**36.83N**	**11.35W**		**2.5L**		**¶97v1103**
ISC	**V**	**10 05 22 37.7**±.91	**37.9N**±.15	**37.8W**±.23	**10**	**3.7b**	**7**	**26-84**
NEIC	V	10 05 22 37.5	37.95N	37.76W	10			**¶97v1529**
EIDC	V	10 05 22 37.7	38.0N	37.7W	0	3.7b		
NEIC	Single network solution.							
ISC	**V**	**13 10 34 21.3**±.42	**37.58N**±.057	**19.06W**±.043	**10**	**4.0b,**2.9s	**66**	**5-66**
NEIC	V	13 10 34 20.8	37.60N	19.10W	10	4.0b		**¶97v2230**
EIDC	V	13 10 34 22.0	37.7N	19.1W	0	3.9b,3.1s		
MDD	V	13 10 34 24.6	37.55N	19.32W	30	3.9		
LIS	V	13 10 34 28	37.63N	19.18W				
LDG	V	13 10 34 31.3	38.3N	18.9W		4.3L		
ADH	V	13 10 34 35.2	36.03N	20.59W	5	4.9D		
LIS	**V**	**20 00 11 52**	**35.97N**	**10.50W**		**2.3L**		**¶97v3325**
LIS	**V**	**28 13 53 08**	**36.92N**	**13.40W**		**2.8L**		**¶97v4730**
LIS	**VI**	**02 18 58 15**	**36.60N**	**12.53W**		**2.9L**		**¶97vi0289**
ISC	**VI**	**05 22 45 18**±1.1	**57.8N**±.16	**32.7W**±.32	**10**	**3.7b**	**8**	**12-79**
NEIC	VI	05 22 45 18.1	57.73N	32.69W	10			**¶97vi0844**
EIDC	VI	05 22 45 18.6	57.7N	32.7W	0	3.6b,3.3L		
NEIC	Single network solution.							
LIS	**VI**	**09 08 13 40**	**36.78N**	**11.10W**		**2.7L**		**¶97vi1362**
LIS	**VI**	**14 21 57 31**	**37.03N**	**10.92W**		**2.1L**		**¶97vi2181**
EIDC	**VI**	**23 02 06 45.2**	**52.9N**	**35.5W**	**0**	**3.3b**		**25-150**
								¶97vi3471
ISC	**VI**	**24 03 51 14**±3.1	**39.19N**±.092	**10.8W**±.31	**41**		**22**	**1-7**
MDD	VI	24 03 51 17.0	39.21N	10.70W	41	2.9		**¶97vi3631**
LIS	VI	24 03 51 18	39.20N	10.88W		2.7L		
LIS	**VI**	**25 17 36 19**	**36.28N**	**10.53W**		**2.8L**		**¶97vi3994**
LIS	**VI**	**28 04 14 23**	**36.12N**	**10.70W**		**2.6L**		**¶97vi4411**
LIS	**VI**	**28 05 35 20**	**36.65N**	**11.23W**		**2.5L**		**¶97vi4426**
ADH	**VI**	**29 04 58 27.8**	**38.36N**	**49.83W**		**3.4D**		**¶97vi4572**
ADH	Felt I=II MM on Terceira							

(403) North Atlantic Ridge.

ISC	**I**	**01 05 49 22.5**±.29	**34.34N**±.061	**37.29W**±.046	**10**	**4.6b,4.3s**	**90**	**27-167**
MOS	I	01 05 49 19.4	33.8N	37.2W	10	5.0b		**¶97i0032**
BJI	I	01 05 49 22.2	34.40N	37.30W	10	5.4b		
NEIC	I	01 05 49 22.2	34.35N	37.30W	10	4.8b,4.2s		
EIDC	I	01 05 49 22.5	34.5N	37.3W	0	4.3b,4.3s		
ISC	**I**	**01 11 44 56.9**±.33	**34.41N**±.069	**37.38W**±.048	**10**	**4.5b,4.5s**	**98**	**27-167**
BJI	I	01 11 44 56.6	34.40N	37.40W	10	5.3b,5.5s		**¶97i0068**
NEIC	I	01 11 44 56.6	34.41N	37.35W	10	4.8b,4.8s		
EIDC	I	01 11 44 56.6	34.5N	37.3W	0	4.3b,4.4s		
MOS	I	01 11 44 58.3	34.6N	37.4W	10	5.4b		
ISC	**I**	**02 12 13 25.4**±.97	**34.4N**±.23	**37.3W**±.19	**10**	**3.7b**	**6**	**40-81**
NEIC	I	02 12 13 25.1	34.49N	37.35W	10	3.2b		**¶97i0206**
EIDC	I	02 12 13 25.5	34.4N	37.4W	0	3.7b		
NEIC	Poor solution.							
ISC	**I**	**09 08 50 16.7**±.18	**34.41N**±.041	**37.27W**±.024	**10**	**5.2b,5.2s**	**308**	**18-177**
EIDC	I	09 08 50 16.3	34.4N	37.3W	0	4.8b		**¶97i1194**
NEIC	I	09 08 50 16.6	34.46N	37.28W	10	5.2b,5.2s		
BJI	I	09 08 50 17.2	34.66N	37.34W	11	5.8b,5.5s		
MOS	I	09 08 50 17.9	34.7N	37.4W	10	5.6b,4.9s		
HRVD	I	09 08 50 19.1±.4	34.71N±.07	37.13W±.06	15			
NEIC	Mw5.5(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c30; Half duration: 1^{s}1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.05; $M_{\theta\theta}$−0.53±.06; $M_{\phi\phi}$−0.20±.07; $M_{r\theta}$0.08±.21; $M_{r\phi}$1.20±.20; $M_{\theta\phi}$−0.96±.07. Principal Axes: T 1.67,Plg49°,Azm248°; N 0.00, Plg33°,Azm26°; P −1.67,Plg22°,Azm131°. Best double couple: $M_0$1.7×10^{17}Nm, NP1: ϕ_S264°,δ37°,λ153°. NP2:ϕ_S16°,δ74°,λ56°.							
EIDC	**I**	**09 10 10 35.0**	**34.1N**	**36.7W**	**0**	**3.9b**		**36-64**
								¶97i1201
ISC	**I**	**10 07 08 08**±1.1	**34.3N**±.27	**37.3W**±.11	**10**	**3.8b**	**16**	**27-63**
NEIC	I	10 07 08 08.0	34.36N	37.32W	10	3.7b		**¶97i1326**
EIDC	I	10 07 08 09.5	34.5N	37.4W	0	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**11 12 55 43.5**±.38	**32.91N**±.067	**39.91W**±.062	**10**	**4.5b,4.7s**	**90**	**27-169**
MOS	I	11 12 55 42.0	32.7N	39.9W	10	5.2b		**¶97i1524**
NEIC	I	11 12 55 42.7	32.78N	39.90W	10	4.8b,4.7s		
EIDC	I	11 12 55 43.2	32.8N	39.8W	0	4.2b		
BJI	I	11 12 55 44.0	32.82N	39.87W	24	5.3b,5.5s		
HRVD	I	11 12 55 47.9±.5	32.74N±.15	39.59W±.13	15			
NEIC	Mw5.2(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c18; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.22±.54; $M_{\theta\theta}$−0.46±1.06; $M_{\phi\phi}$5.68±.62; $M_{r\theta}$−1.32±3.30; $M_{r\phi}$2.32±2.68; $M_{\theta\phi}$1.37±.44. Principal Axes: T 6.33,Plg10°,Azm279°; N −0.20,Plg17°,Azm186°; P −6.13,Plg70°,Azm39°. Best double couple: $M_0$6.2×10^{16}Nm, NP1: ϕ_S29°,δ38°,λ−62°. NP2:ϕ_S175°,δ57°,λ−110°.							
ISC	**I**	**13 01 47 21.7**±.90	**34.5N**±.19	**37.3W**±.14	**10**	**3.9b**	**12**	**27-79**
EIDC	I	13 01 47 20.3	34.2N	37.2W	0	3.8b		**¶97i1767**
NEIC	I	13 01 47 21.2	34.51N	37.27W	10	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**28 23 08 09.3**±.47	**10.90N**±.084	**43.36W**±.086	**10**	**4.3b,**3.9s	**22**	**20-133**
NEIC	I	28 23 08 09.2	10.91N	43.36W	10	4.5b		**¶97i4270**
EIDC	I	28 23 08 14.7	11.0N	43.4W	34	4.0b,3.8s		
NEIC	Less reliable solution.							
EIDC	**I**	**29 00 34 10.8**	**26.2N**	**44.1W**	**0**	**3.4b**		**51-72**
								¶97i4275
ISC	**I**	**31 09 25 58.3**±.94	**24.9N**±.19	**46.0W**±.20	**10**	**3.8b**	**8**	**43-94**
NEIC	I	31 09 25 57.9	24.96N	45.97W	10	4.6b		**¶97i4608**
EIDC	I	31 09 26 01.4	24.9N	45.9W	21	3.6b		
NEIC	Poor solution.							
ISC	**I**	**31 13 55 47.9**±.75	**24.8N**±.14	**46.4W**±.17	**10**	**4.0b**	**9**	**44-94**
NEIC	I	31 13 55 47.8	24.86N	46.43W	10	3.4b		**¶97i4635**
EIDC	I	31 13 55 48.0	24.9N	46.4W	0	3.9b		
NEIC	Less reliable solution.							
ISC	**II**	**01 08 46 45.1**±.74	**34.4N**±.16	**36.7W**±.16	**10**	**3.8b**	**9**	**40-69**
NEIC	II	01 08 46 44.8	34.37N	36.77W	10			**¶97ii0047**
EIDC	II	01 08 46 45.3	34.4N	36.7W	0	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**02 21 03 11.0**±.94	**52.1N**±.14	**30.1W**±.16	**10**	**3.7b**	**24**	**16-149**
EIDC	II	02 21 03 15.5	52.3N	29.6W	21	3.7b,3.7L		**¶97ii0278**
ISC	**II**	**06 05 56 30.0**±.54	**31.1N**±.11	**41.37W**±.086	**10**	**4.2b**	**27**	**32-87**
NEIC	II	06 05 56 30.0	31.07N	41.38W	10	4.3b		**¶97ii0803**
EIDC	II	06 05 56 32.8	31.0N	41.4W	17	3.9b		

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Less reliable solution.						
ISC	**II 14 16 23 34.4**±.34	**34.47N**±.065	**36.94W**±.058	**10**	**4.4b,4.3s**	**62**	**27-167**
BJI	II 14 16 23 34.2	34.50N	36.90W	10	5.2b		**¶97ii2080**
NEIC	II 14 16 23 34.2	34.47N	36.94W	10	4.7b,4.3s		
EIDC	II 14 16 23 34.2	34.5N	36.9W	0	4.3b,4.3s		
MOS	II 14 16 23 35.8	34.7N	37.0W	10	5.1b		
ISC	**II 19 13 57 24.9**±.83	**10.7N**±.18	**41.2W**±.14	**10**	**3.9b**	**9**	**36-87**
NEIC	II 19 13 57 24.5	10.69N	41.24W	10	3.3b		**¶97ii2802**
EIDC	II 19 13 57 25.1	10.7N	41.2W	0	3.8b		
NEIC	Less reliable solution.						
ISC	**II 23 16 28 47**±1.3	**31.0N**±.26	**40.9W**±.14	**10**	**3.7b**	**10**	**30-69**
NEIC	II 23 16 28 45.8	30.94N	40.96W	10			**¶97ii3348**
EIDC	II 23 16 28 47.4	31.2N	41.0W	0	3.6b		
NEIC	Poor solution.						
ISC	**II 24 04 17 02.5**±.28	**10.82N**±.055	**43.60W**±.043	**10**	**4.8b,4.8s**	**160**	**27-149**
NEIC	II 24 04 17 02.1	10.82N	43.61W	10	5.0b,5.0s		**¶97ii3423**
EIDC	II 24 04 17 02.3	10.9N	43.5W	0	4.4b,4.8s		
MOS	II 24 04 17 03.6	11.1N	43.6W	10	5.2b		
HRVD	II 24 04 17 08.4±.2	10.90N±.03	43.44W±.03	15			
NEIC	Mw5.6(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c56; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.09±.05; $M_{\theta\theta}$0.10±.08; $M_{\phi\phi}$−0.01±.09; $M_{r\theta}$0.63±.18; $M_{r\phi}$0.01±.26; $M_{\theta\phi}$−2.32±.05. Principal Axes: T 2.44,Plg10°,Azm43°; N −0.08, Plg75°,Azm273°; P −2.36,Plg11°,Azm135°. Best double couple: $M_0$2.4×10^{17}Nm, NP1: ϕ_S179°,δ75°,λ−1°. NP2:ϕ_S270°,δ89°,λ−165°.						
ISC	**II 25 16 24 34.8**±.83	**17.4N**±.16	**46.4W**±.13	**10**	**3.8b**	**13**	**40-79**
NEIC	II 25 16 24 34.5	17.37N	46.38W	10	3.8b		**¶97ii3660**
EIDC	II 25 16 24 34.9	17.4N	46.4W	0	3.8b		
NEIC	Less reliable solution.						
ISC	**II 26 06 11 08.5**±.84	**11.1N**±.20	**43.6W**±.15	**10**	**4.0b,**3.3s	**11**	**27-86**
NEIC	II 26 06 11 08.3	11.12N	43.64W	10	3.4b		**¶97ii3748**
EIDC	II 26 06 11 08.5	11.2N	43.7W	0	4.0b,3.3s		
NEIC	Poor solution.						
ISC	**II 27 17 55 42.5**±.67	**34.6N**±.14	**36.99W**±.077	**10**	**4.5b,4.0s**	**36**	**27-87**
EIDC	II 27 17 55 41.6	34.3N	37.0W	0	3.9s,4.2b		**¶97ii3991**
NEIC	II 27 17 55 42.0	34.52N	36.99W	10	4.5b		
BJI	II 27 17 55 43.1	35.04N	37.15W	5	5.2b		
ISC	**II 28 10 25 15.1**±.61	**34.2N**±.15	**37.7W**±.11	**10**	**3.9b**	**17**	**27-70**
NEIC	II 28 10 25 14.9	34.13N	37.75W	10	4.7b		**¶97ii4212**
EIDC	II 28 10 25 18.2	34.1N	37.7W	16	3.7b		
NEIC	Less reliable solution.						
ISC	**III 04 04 59 41**±1.8	**21.2N**±.45	**44.5W**±.23	**10**	**4.2b**	**5**	**54-63**
EIDC	III 04 04 59 41.5	21.1N	44.5W	0	4.1b		**¶97iii0790**
ISC	**III 04 21 41 57.8**±.23	**34.48N**±.049	**36.62W**±.029	**10**	**4.9b,4.8s**	**212**	**20-166**
BJI	III 04 21 41 57.6	34.50N	36.60W	10	5.4b,5.5s		**¶97iii0924**
NEIC	III 04 21 41 57.6	34.50N	36.59W	10	5.0b,4.9s		
MOS	III 04 21 42 00.2	35.1N	36.6W	10	5.4b,4.9s		
EIDC	III 04 21 42 01.2	34.5N	36.7W	21	4.5b,4.6s		
ISC	**III 06 15 55 58.8**±.73	**13.0N**±.16	**44.8W**±.12	**10**	**4.1b**	**17**	**37-83**
NEIC	III 06 15 55 58.4	12.99N	44.89W	10	4.0b		**¶97iii1306**
EIDC	III 06 15 55 58.5	13.0N	44.9W	0	4.0b		
NEIC	Less reliable solution.						
ISC	**III 07 20 39 23.9**±.82	**52.3N**±.19	**30.3W**±.14	**10**	**3.5b**	**10**	**16-62**
NEIC	III 07 20 39 23.8	52.25N	30.25W	10	3.5b		**¶97iii1602**
EIDC	III 07 20 39 27.1	52.1N	30.3W	22	3.4b,4.0L		
NEIC	Less reliable solution.						
EIDC	**III 15 09 58 40.6**	**43.5N**	**28.8W**	**0**	**3.5b**		**27-62**
							¶97iii3027
ISC	**III 23 19 16 41**±4.5	**31.7N**±.77	**42.2W**±.38	**10**	**3.9b**	**8**	**47-68**
EIDC	III 23 19 16 40.1	31.5N	42.2W	0	3.7b		**¶97iii4477**
ISC	**III 23 20 48 48.8**±.20	**30.94N**±.043	**41.52W**±.022	**10**	**5.3b,5.8s**	**452**	**27-177**
BJI	III 23 20 48 47.0	30.91N	41.89W	10	5.6b,6.1s		**¶97iii4483**
EIDC	III 23 20 48 47.9	30.9N	41.5W	0	4.8b,5.7s		
NEIC	III 23 20 48 48.8	30.98N	41.54W	10	5.4b,5.9s		
MOS	III 23 20 48 49.0	31.1N	41.5W	10	6.0b,5.5s		
HRVD	III 23 20 48 56.6±.1	31.21N±.02	41.20W±.02	15			
NEIC	Mw5.9(HRV), Mw5.8(GS).						
NEIC	Moment tensor solution: s48, scale 10^{17}Nm; M_{rr}−4.12; $M_{\theta\theta}$5.26; $M_{\phi\phi}$−1.13; $M_{r\theta}$−1.24; $M_{r\phi}$−2.62; $M_{\theta\phi}$2.96. Depth 4km; Principal axes: T 6.84,Plg11°,Azm156°; N −1.17,Plg29°, Azm60°; P −5.66,Plg58°,Azm265°. Best double couple: $M_0$6.2×10^{17}Nm; NP1:ϕ_S278°,δ42°, λ−44°. NP2:ϕ_S43°,δ62°,λ−123°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c60; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.52±.10; $M_{\theta\theta}$−0.81±.14; $M_{\phi\phi}$7.33±.12; $M_{r\theta}$0.24±.37; $M_{r\phi}$1.81±.50; $M_{\theta\phi}$1.03±.11. Principal Axes: T 7.69,Plg7°,Azm277°; N −0.94, Plg0°,Azm7°; P −6.75,Plg83°,Azm98°. Best double couple: $M_0$7.2×10^{17}Nm, NP1:ϕ_S7°,δ38°, λ−90°. NP2:ϕ_S187°,δ52°,λ−90°.						
ISC	**III 23 20 58 58.2**±.43	**31.02N**±.085	**41.35W**±.076	**10**	**4.3b**	**35**	**30-87**
NEIC	III 23 20 58 56.9	30.84N	41.28W	10	4.4b		**¶97iii4484**
EIDC	III 23 20 58 56.9	30.8N	41.3W	0	4.2b		
NEIC	Less reliable solution.						
ISC	**III 23 21 04 59.3**±.45	**30.94N**±.081	**41.52W**±.075	**10**	**4.2b,**3.9s	**36**	**30-172**
NEIC	III 23 21 04 59.2	30.93N	41.56W	10	4.2b		**¶97iii4486**
EIDC	III 23 21 05 02.3	30.9N	41.5W	19	3.9b,3.9s		
NEIC	Less reliable solution.						
ISC	**III 23 21 25 11**±1.8	**30.4N**±.62	**41.1W**±.38	**10**	**4.1b**	**6**	**55-69**
NEIC	III 23 21 25 10.5	30.37N	41.10W	10	3.8b		**¶97iii4488**
EIDC	III 23 21 25 10.5	30.4N	41.1W	0	3.8b		
NEIC	Poor solution.						
ISC	**III 23 23 05 21.3**±.76	**31.1N**±.12	**41.5W**±.13	**10**	**4.2b,4.2s**	**19**	**44-172**
NEIC	III 23 23 05 21.0	31.10N	41.50W	10	4.7b		**¶97iii4494**
EIDC	III 23 23 05 21.5	31.1N	41.7W	0	4.0b,4.0s		
NEIC	Less reliable solution.						
ISC	**III 23 23 56 17**±3.3	**32.0N**±.61	**42.1W**±.21	**10**	**3.7b**	**9**	**43-67**
NEIC	III 23 23 56 16.3	31.97N	42.07W	10	4.4b		**¶97iii4499**
EIDC	III 23 23 56 17.7	32.2N	42.2W	0	3.5b		
NEIC	Poor solution.						
ISC	**III 24 00 23 22**±4.5	**32.4N**±.75	**41.8W**±.29	**10**	**3.8b**	**10**	**35-67**
NEIC	III 24 00 23 21.0	32.35N	41.80W	10	4.4b		**¶97iii4502**
EIDC	III 24 00 23 21.2	32.3N	41.8W	0	3.7b		
NEIC	Poor solution.						
ISC	**III 25 14 20 48.7**±.28	**30.88N**±.060	**41.59W**±.030	**10**	**4.9b,4.9s**	**233**	**27-172**
EIDC	III 25 14 20 48.4	30.9N	41.6W	0	4.5b,4.7s		**¶97iii4742**
NEIC	III 25 14 20 48.6	30.91N	41.60W	10	5.2b,5.0s		
BJI	III 25 14 20 49.8	30.96N	41.67W	27	5.0b,5.4s		
MOS	III 25 14 20 50.0	31.3N	41.7W	10	5.5b,4.7s		
HRVD	III 25 14 20 54.3±.7	30.90N±.19	40.83W±.19	15			
NEIC	Mw5.4(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s9,c12; Half duration: 1s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.56±.07; $M_{\theta\theta}$−0.10±.13; $M_{\phi\phi}$0.66±.11; $M_{r\theta}$0.62±.29; $M_{r\phi}$1.16±.48; $M_{\theta\phi}$0.22±.09. Principal Axes: T 1.52,Plg32°,Azm291°; N −0.12, Plg7°,Azm26°; P −1.40,Plg57°,Azm127°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S357°, δ14°,λ−120°. NP2:ϕ_S208°,δ77°,λ−83°.						
ISC	**IV 06 17 44 17.9**±.90	**35.4N**±.17	**36.7W**±.11	**10**	**4.2b,**4.6s	**31**	**26-86**
NEIC	IV 06 17 44 17.2	35.29N	36.71W	10	4.7b		**¶97iv1031**
MOS	IV 06 17 44 18.2	35.7N	36.6W	10	4.7b		
EIDC	IV 06 17 44 18.8	35.5N	36.9W	0	4.1b		
NEIC	Less reliable solution.						
ISC	**IV 06 17 49 19.2**±.67	**35.1N**±.13	**35.6W**±.10	**10**	**4.1b,**4.0s	**24**	**25-82**
NEIC	IV 06 17 49 19.0	35.17N	35.63W	10	4.7b		**¶97iv1032**
EIDC	IV 06 17 49 19.3	35.2N	35.5W	0	4.0b,3.3s		
MOS	IV 06 17 49 23.3	35.9N	35.9W	10	4.9b		
NEIC	Less reliable solution.						
ISC	**IV 10 15 42 48.0**±.64	**46.6N**±.11	**27.41W**±.082	**10**	**4.0b,3.6s**	**49**	**14-153**
NEIC	IV 10 15 42 47.6	46.54N	27.42W	10	4.1b,3.6s		**¶97iv1712**
EIDC	IV 10 15 42 48.5	46.6N	27.4W	0	4.0b,3.5s		
ISC	**IV 11 08 09 39.6**±.96	**16.3N**±.20	**45.0W**±.17	**10**	**3.7b**	**7**	**40-80**
NEIC	IV 11 08 09 39.2	16.28N	45.02W	10			**¶97iv1837**
EIDC	IV 11 08 09 43.3	16.2N	45.0W	23	3.5b		
NEIC	Poor solution.						
EIDC	**IV 21 08 19 37.2**	**21.6N**	**45.1W**	**0**	**3.5b**		**45-76**
							¶97iv3427
EIDC	**IV 22 17 58 42.8**	**37.0N**	**35.8W**	**0**	**3.4b**		**53-56**
							¶97iv3803
ISC	**IV 25 02 52 39.6**±.34	**12.67N**±.058	**44.50W**±.063	**10**	**4.8b,4.5s**	**98**	**16-133**
NEIC	IV 25 02 52 39.2	12.64N	44.51W	10	4.8b,4.2s		**¶97iv4262**
EIDC	IV 25 02 52 39.5	12.6N	44.5W	0	4.5b,4.1s		
ISC	**IV 30 00 55 43**±2.4	**16.6N**±.16	**46.1W**±.57	**10**	**3.5b**	**6**	**39-80**
EIDC	IV 30 00 55 42.8	16.6N	46.0W	0	3.5b		**¶97iv5139**
NEIC	IV 30 00 55 43.1	16.57N	46.26W	10			
NEIC	Poor solution.						
ISC	**V 08 11 16 48**±1.9	**26.7N**±.58	**43.8W**±.35	**10**	**3.5b**	**4**	**52-72**
EIDC	V 08 11 16 48.6	26.6N	43.9W	0	3.5b		**¶97v1233**
ISC	Poorly determined						
ISC	**V 13 01 23 02.9**±.79	**16.4N**±.13	**46.6W**±.15	**10**	**3.8b,**3.8s	**11**	**39-80**
NEIC	V 13 01 23 02.7	16.39N	46.68W	10			**¶97v2100**
EIDC	V 13 01 23 03.2	16.4N	46.8W	0	3.8b,3.8s		
NEIC	Less reliable solution.						
ISC	**V 13 17 54 27.5**±.50	**33.88N**±.098	**37.92W**±.079	**10**	**4.1b**	**31**	**29-84**
NEIC	V 13 17 54 27.4	33.88N	37.93W	10	4.3b		**¶97v2286**
EIDC	V 13 17 54 27.4	33.9N	37.9W	0	4.1b		
ISC	**V 13 21 29 40.9**±.44	**33.78N**±.087	**37.95W**±.062	**10**	**4.3b,3.4s**	**55**	**28-168**
NEIC	V 13 21 29 40.6	33.78N	37.95W	10	4.5b		**¶97v2333**
EIDC	V 13 21 29 41.0	33.8N	37.9W	0	4.2b,3.5s		
ISC	**V 23 09 40 30.6**±.25	**44.00N**±.058	**28.54W**±.035	**10**	**4.6b,4.4s**	**172**	**17-155**
EIDC	V 23 09 40 29.5	43.9N	28.5W	0	4.3b,4.2s		**¶97v3927**
NEIC	V 23 09 40 30.1	43.97N	28.52W	10	4.9b,4.5s		
MOS	V 23 09 40 34.8	44.4N	28.0W	10	5.1b,4.2s		
ISC	**V 23 19 57 37.9**±.26	**33.88N**±.055	**37.26W**±.038	**10**	**4.7b,4.2s**	**144**	**27-167**
BJI	V 23 19 57 37.6	33.80N	37.30W	10	5.3b		**¶97v3998**
NEIC	V 23 19 57 37.6	33.87N	37.28W	10	4.8b,4.1s		
EIDC	V 23 19 57 37.7	33.9N	37.3W	0	4.6b,4.2s		
MOS	V 23 19 57 38.4	34.0N	37.3W	10	5.3b,4.1s		
ISC	**V 31 04 59 00.3**±.50	**22.1N**±.10	**45.23W**±.088	**10**	**4.0b,3.8s**	**24**	**39-127**
NEIC	V 31 04 59 00.1	22.16N	45.25W	10	4.3b,4.1s		**¶97v5151**
EIDC	V 31 04 59 00.2	22.2N	45.4W	0	3.9b,3.6s		
NEIC	Less reliable solution.						
ISC	**VI 03 04 45 30.2**±.96	**22.6N**±.13	**45.2W**±.23	**10**	**3.7b,3.8s**	**8**	**36-75**
NEIC	VI 03 04 45 29.9	22.61N	45.24W	10			**¶97vi0388**
EIDC	VI 03 04 45 34.2	22.5N	45.3W	24	3.5s,3.5b		
NEIC	Single network solution.						
ISC	**VI 08 09 24 08**±2.0	**21.0N**±.42	**46.0W**±.29	**10**	**4.1b,3.9s**	**6**	**37-76**
EIDC	VI 08 09 24 07.6	20.9N	46.0W	0	4.0b,3.9s		**¶97vi1209**
ISC	**VI 13 21 42 28**±1.1	**52.5N**±.23	**32.0W**±.20	**10**	**3.6b**	**9**	**17-149**
NEIC	VI 13 21 42 27.8	52.48N	31.97W	10	3.4b		**¶97vi2047**
EIDC	VI 13 21 42 27.9	52.4N	31.9W	0	3.6b,3.9L		
NEIC	Less reliable solution.						
ISC	**VI 18 21 58 32.4**±.58	**34.3N**±.12	**36.8W**±.13	**10**	**4.1b,**4.0s	**16**	**27-101**
NEIC	VI 18 21 58 32.2	34.34N	36.79W	10	3.9b		**¶97vi2832**
EIDC	VI 18 21 58 32.7	34.4N	36.7W	0	3.9b,3.8s		
NEIC	Less reliable solution.						
ISC	**VI 19 00 15 05.1**±.63	**34.5N**±.13	**36.7W**±.14	**10**	**3.9b**	**13**	**27-81**
NEIC	VI 19 00 15 04.9	34.50N	36.76W	10	4.6b		**¶97vi2847**
EIDC	VI 19 00 15 05.0	34.5N	36.6W	0	3.7b		
NEIC	Less reliable solution.						
ISC	**VI 29 23 34 14.7**±.83	**13.3N**±.13	**44.7W**±.18	**10**	**4.1b,3.6s**	**13**	**29-83**
NEIC	VI 29 23 34 14.4	13.32N	44.68W	10	4.5b		**¶97vi4683**
EIDC	VI 29 23 34 14.8	13.3N	44.7W	0	3.9b,3.7s		
NEIC	Less reliable solution.						

(404) Azores region.

ADH	**I 04 23 43 03.9**	**37.63N**	**24.95W**	**10**	**2.4D**	**¶97i0595**
ADH	**I 12 10 42 40.3**	**37.15N**	**24.72W**	**0**	**3.7D**	**¶97i1665**
LIS	I 12 10 42 38.3	37.27N	24.31W		4.2D	
ADH	Felt on Santa Maria Island I=II−III MM Covas de Almagreiras, Saõ Pedro, II Vila do Porto, and in the airport zone					
ADH	**I 22 22 02 09.9**	**37.03N**	**24.65W**	**0**	**2.9D**	**¶97i3390**
ADH	**II 04 10 11 59.1**	**37.71N**	**24.78W**	**6**	**2.5D**	**¶97ii0504**
ADH	**II 08 23 28 32.6**	**37.76N**	**24.56W**	**9**	**3.1D**	**¶97ii1221**
ADH	**II 19 23 09 59.8**	**37.35N**	**24.65W**	**10**	**2.3D**	**¶97ii2851**
ADH	**II 23 23 02 42.4**	**37.84N**	**24.42W**	**12**	**2.4D**	**¶97ii3386**
ADH	**II 25 03 21 48.9**	**37.66N**	**24.77W**	**5**	**2.7D**	**¶97ii3576**
ADH	**II 28 08 56 48.2**	**37.16N**	**24.19W**	**10**	**2.9D**	**¶97ii4190**
ADH	**III 30 17 55 30.5**	**37.51N**	**23.86W**	**5**	**3.0D**	**¶97iii5781**
ADH	**IV 03 05 05 37.8**	**37.73N**	**24.53W**	**10**	**2.8D**	**¶97iv0382**
ADH	**IV 03 05 53 39.2**	**36.78N**	**23.69W**	**5**	**3.3D**	**¶97iv0385**
ADH	**IV 16 21 55 55.9**	**37.53N**	**24.11W**	**5**	**3.0D**	**¶97iv2812**
ADH	**IV 18 06 40 17.8**	**37.14N**	**23.95W**	**5**	**3.3D**	**¶97iv3029**
ADH	**IV 21 11 57 59.8**	**37.00N**	**24.62W**	**2**	**2.7D**	**¶97iv3456**
ADH	**IV 23 20 58 24.9**	**37.72N**	**23.36W**	**8**	**3.4D**	**¶97iv4027**
ADH	**IV 23 22 32 45.7**	**36.61N**	**24.63W**	**5**	**3.2D**	**¶97iv4035**
ISC	**IV 24 09 18 02.4**±.93	**37.4N**±.22	**32.2W**±.18	**10**	**3.9b**	**6** **22-66**
NEIC	IV 24 09 18 02.3	37.35N	32.25W	10		**¶97iv4114**
EIDC	IV 24 09 18 02.7	37.3N	32.2W	0	3.8b	
NEIC	Less reliable solution.					
ADH	**IV 24 13 25 57.0**	**37.05N**	**24.40W**	**5**	**3.4D**	**¶97iv4152**
ADH	**IV 24 20 18 02.5**	**37.46N**	**24.21W**	**5**	**2.8D**	**¶97iv4203**
ADH	**V 15 12 45 34.3**	**37.82N**	**24.50W**	**5**	**2.7D**	**¶97v2619**

ISC	**V**	**19 21 29 36.0**±.70	**35.7N**±.14	**34.6W**±.12	**10**	**3.9b,4.0s**	**14**	**24-164**
NEIC	V	19 21 29 35.8	35.72N	34.59W	10	4.3b		**¶97v3305**
EIDC	V	19 21 29 36.6	35.7N	34.6W	0	3.6s,3.7b		
NEIC	Less reliable solution.							
ADH	**V**	**31 10 00 48.9**	**37.62N**	**24.79W**	**3**	**3.1D**		**¶97v5177**
LIS	V	31 10 00 48.0	37.52N	24.72W		3.2D		
ADH	**VI**	**08 20 39 10.7**	**37.48N**	**24.93W**		**1.7D**		**¶97vi1282**
ADH	**VI**	**18 03 35 09.6**	**37.70N**	**24.93W**		**2.0D**		**¶97vi2720**
ISC	**VI**	**19 04 00 44**±3.3	**36.5N**±.30	**24.1W**±.15	**0**	3.9b	**20**	**2-24**
ADH	VI	19 04 00 54.5	36.83N	24.30W		4.1D		**¶97vi2870**
ISC	**VI**	**24 03 34 10.4**±.70	**40.6N**±.13	**29.2W**±.16	**0**	**3.6b**	**17**	**2-64**
EIDC	VI	24 03 33 47.1	37.6N	25.4W	0	3.5b		**¶97vi3628**
NEIC	VI	24 03 33 49.9	37.90N	26.26W	10			
ADH	VI	24 03 34 15.0	40.62N	29.33W		4.5D		
NEIC	Poor solution.							
ADH	**VI**	**25 20 09 46.2**	**40.07N**	**29.54W**				**¶97vi4022**
ADH	**VI**	**26 00 25 01.4**	**40.65N**	**29.41W**		**4.5D**		**¶97vi4057**

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ADH	**I**	**02 15 01 55.1**	**37.79N**	**25.52W**	**4**	**2.3D**		**¶97i0225**
ISC	**I**	**06 15 26 21**±1.0	**38.60N**±.087	**28.64W**±.082	**0**		**5**	**0-0**
LIS	I	06 15 26 20.7	38.58N	28.63W		2.9D		**¶97i0803**
ISC	**I**	**07 09 40 58**±1.7	**38.6N**±.12	**28.7W**±.17	**6**		**5**	**0-0**
LIS	I	07 09 40 58.0	38.55N	28.71W	6	3.2D		**¶97i0906**
LIS	Felt on Faial I=II−III MM Flamengos, II Horta, Praia do Almoxarife, Ribeirinha, Salao							
ADH	Felt I=III MM on Faial Island at Farrobo, Castelo Branco, Flamengos							
ISC	**I**	**07 17 14 47**±1.0	**38.60N**±.085	**28.66W**±.092	**2**		**5**	**0-0**
LIS	I	07 17 14 47.0	38.53N	28.66W	2	3.3D		**¶97i0951**
LIS	Felt on Faial I=III−IV MM at Flamengos, Chao Frio, Ribeirinha, Horta, III Feteira, Castelo Branco, II−III Praia do Almoxarife, II Capelo, Praia do Norte, Cedros, Salao							
LIS	**I**	**07 18 08 27.2**	**38.52N**	**28.65W**		**3.1D**		**¶97i0959**
ISC	**I**	**08 06 59 32**±1.7	**38.6N**±.14	**28.6W**±.11	**2**		**4**	**0-0**
LIS	I	08 06 59 31.4	38.59N	28.62W	2	3.1D		**¶97i1036**
ISC	Poorly determined							
LIS	Felt on Faial I=II−III MM at Horta, Flamengos, Chao Frio, II Feteira, Castelo Branco, Praia do Almoxarife							
LIS	**I**	**13 16 18 00.5**	**38.93N**	**29.26W**		**3.3D**		**¶97i1868**
ADH	**I**	**13 23 09 08.5**	**37.41N**	**25.28W**	**1**	**2.4D**		**¶97i1909**
LIS	**I**	**17 12 04 03.1**	**39.38N**	**29.78W**		**3.4D**		**¶97i2442**
LIS	**I**	**22 15 56 27.6**	**38.50N**	**28.67W**		**2.5D**		**¶97i3348**
LIS	**I**	**26 16 59 07.4**	**38.92N**	**29.17W**		**3.4D**		**¶97i3970**
LIS	**I**	**26 22 11 11.2**	**38.70N**	**29.41W**		**3.3D**		**¶97i4007**
ADH	**I**	**29 14 21 04.0**	**37.31N**	**25.20W**	**5**	**2.1D**		**¶97i4363**
ADH	**II**	**12 23 06 37.4**	**37.74N**	**25.13W**	**5**	**2.7D**		**¶97ii1832**
ADH	**II**	**13 04 02 41.5**	**38.09N**	**26.28W**	**16**	**3.5D**		**¶97ii1870**
LIS	**II**	**13 17 34 31.0**	**38.46N**	**28.99W**		**3.5D**		**¶97ii1954**
ADH	**II**	**14 03 32 40.4**	**37.76N**	**25.12W**	**6**	**2.7D**		**¶97ii2017**
ISC	**II**	**20 16 31 57**±2.0	**38.3N**±.32	**26.2W**±.29	**3**		**9**	**1-1**
ADH	II	20 16 32 00.0	37.98N	26.44W	3	3.0D		**¶97ii2950**
LIS	**II**	**20 18 04 02.4**	**38.43N**	**29.52W**		**3.6D**		**¶97ii2957**
ADH	**II**	**21 20 34 17.3**	**37.81N**	**25.13W**	**3**	**2.6D**		**¶97ii3121**
LIS	**II**	**25 15 12 37.1**	**38.97N**	**28.24W**		**3.4D**		**¶97ii3643**
ADH	**II**	**27 09 22 18.3**	**37.77N**	**25.36W**	**1**	**2.7D**		**¶97ii3937**
ADH	**II**	**28 11 48 20.4**	**38.13N**	**26.31W**	**6**	**2.8D**		**¶97ii4236**
ADH	**III**	**04 22 27 20.6**	**37.77N**	**25.43W**	**5**	**1.9D**		**¶97iii0932**
ADH	**III**	**06 02 49 03.6**	**38.29N**	**26.83W**	**4**	**3.4D**		**¶97iii1177**
ADH	**III**	**07 18 33 42.3**	**37.78N**	**25.46W**	**6**	**2.2D**		**¶97iii1573**
ADH	**III**	**08 00 04 44.2**	**37.76N**	**25.27W**	**3**	**2.0D**		**¶97iii1626**
ADH	**III**	**08 04 58 22.8**	**37.71N**	**25.12W**	**5**	**2.8D**		**¶97iii1670**
ADH	**III**	**08 05 03 25.7**	**37.73N**	**25.10W**	**7**	**2.6D**		**¶97iii1671**
ADH	**III**	**09 04 31 40.9**	**37.83N**	**25.47W**	**10**	**1.9D**		**¶97iii1904**
ADH	**III**	**09 12 11 10.1**	**37.75N**	**25.47W**	**7**	**2.2D**		**¶97iii1954**
ADH	**III**	**10 03 53 28.1**	**38.31N**	**26.15W**	**3**	**2.5D**		**¶97iii2141**
ISC	**III**	**11 17 13 49**±1.3	**39.5N**±.43	**29.8W**±.19	**10**	**3.6b**,3.6s	**5**	**20-60**
EIDC	III	11 17 13 49.1	39.6N	29.9W	0	3.6b,3.6s		**¶97iii2418**
LIS	**III**	**15 19 35 14.7**	**38.50N**	**29.08W**		**3.3D**		**¶97iii3096**
ADH	**III**	**17 10 21 24.6**	**37.82N**	**25.50W**	**5**	**1.3D**		**¶97iii3362**
ADH	**III**	**17 17 39 26.4**	**37.83N**	**26.04W**	**13**	**2.5D**		**¶97iii3412**
ADH	**III**	**20 23 09 48.6**	**37.68N**	**26.39W**	**6**	**2.5D**		**¶97iii3964**
ISC	**III**	**22 10 22 26.8**±.76	**39.8N**±.23	**29.8W**±.20	**10**	**3.6b,3.8s**	**12**	**2-65**
NEIC	III	22 10 22 28.4	40.24N	29.75W	10			**¶97iii4248**
ADH	III	22 10 22 29.2	40.18N	29.75W	0	4.6D		
EIDC	III	22 10 22 29.9	40.3N	29.8W	0	3.7s,3.5b		
NEIC	Poor solution.							
LIS	**III**	**25 06 54 43.5**	**38.37N**	**30.46W**		**3.6D**		**¶97iii4690**
ADH	**III**	**26 16 49 45.9**	**38.21N**	**26.37W**	**5**	**2.7D**		**¶97iii5038**
LIS	**III**	**29 19 29 20.1**	**38.00N**	**29.16W**				**¶97iii5635**
LIS	**III**	**29 19 30 06.5**	**38.72N**	**29.25W**				**¶97iii5636**
LIS	**III**	**30 00 14 28.6**	**38.98N**	**29.18W**		**3.4D**		**¶97iii5668**
ADH	**III**	**30 05 03 23.4**	**37.82N**	**26.21W**	**7**	**2.3D**		**¶97iii5704**
ADH	**III**	**30 11 31 35.2**	**37.51N**	**25.22W**	**10**	**2.1D**		**¶97iii5749**
ADH	**IV**	**01 03 20 11.9**	**37.54N**	**25.04W**	**5**	**2.1D**		**¶97iv0016**
LIS	**IV**	**02 20 08 31.3**	**38.59N**	**28.60W**		**2.7D**		**¶97iv0303**
ADH	**IV**	**05 18 05 32.3**	**38.21N**	**25.84W**	**10**	**2.4D**		**¶97iv0822**
LIS	**IV**	**06 10 28 40.3**	**38.60N**	**28.71W**		**2.8D**		**¶97iv0980**
ADH	**IV**	**07 03 20 20.3**	**38.24N**	**26.31W**	**3**	**2.9D**		**¶97iv1095**
LIS	**IV**	**07 19 32 02.2**	**38.80N**	**29.31W**		**3.6D**		**¶97iv1210**
LIS	**IV**	**11 06 05 22.5**	**38.74N**	**29.57W**		**3.4D**		**¶97iv1815**
ADH	**IV**	**11 08 10 13.0**	**38.34N**	**25.80W**	**2**	**2.6D**		**¶97iv1838**
LIS	**IV**	**11 20 19 27.3**	**38.67N**	**29.11W**		**3.4D**		**¶97iv1975**
ADH	**IV**	**12 09 19 00.0**	**38.79N**	**26.76W**	**6**	**2.6D**		**¶97iv2044**
LIS	**IV**	**12 20 22 53.1**	**38.97N**	**29.25W**		**3.6D**		**¶97iv2122**
LIS	**IV**	**13 00 47 40.4**	**38.73N**	**29.15W**		**3.4D**		**¶97iv2162**
LIS	**IV**	**19 03 50 59.7**	**38.48N**	**28.59W**		**2.8D**		**¶97iv3148**
LIS	**IV**	**19 13 39 30.3**	**38.67N**	**28.50W**		**3.0D**		**¶97iv3202**
ISC	**IV**	**19 14 59 21**±1.4	**38.6N**±.12	**28.5W**±.10	**0**		**4**	**0-0**
LIS	IV	19 14 59 21.2	38.64N	28.52W		2.9D		**¶97iv3211**
ISC	Poorly determined							
ISC	**IV**	**22 12 49 58.3**±.74	**38.11N**±.088	**26.95W**±.081	**3**		**18**	**1-1**
ADH	IV	22 12 50 01.9	38.28N	26.92W	3	3.3D		**¶97iv3735**
LIS	IV	22 12 50 02.0	38.32N	26.80W				
ISC	**IV**	**22 13 19 09**±1.0	**38.2N**±.14	**26.9W**±.12	**20**±11	3.2b	**20**	**1-56**
LIS	IV	22 13 19 11.5	38.53N	26.69W		3.4D		**¶97iv3742**
ADH	IV	22 13 19 11.8	38.27N	26.93W	10	3.0D		
ADH	**IV**	**22 13 20 16.0**	**38.25N**	**26.94W**	**2**	**2.3D**		**¶97iv3745**
ADH	**IV**	**22 13 43 37.3**	**38.26N**	**26.94W**	**1**	**2.8D**		**¶97iv3751**
ADH	**IV**	**22 13 44 44.6**	**38.61N**	**26.61W**	**5**	**2.8D**		**¶97iv3752**
ADH	**IV**	**22 17 19 58.5**	**37.72N**	**26.05W**	**1**	**2.9D**		**¶97iv3792**
LIS	**IV**	**23 21 59 36.2**	**38.76N**	**28.95W**		**3.1D**		**¶97iv4032**
ISC	**IV**	**24 04 27 54**±8.7	**37.8N**±.40	**25.4W**±.30	**4**±50		**7**	**0-0**
ADH	IV	24 04 27 52.8	37.76N	25.35W	1	2.7D		**¶97iv4082**
ISC	Poorly determined							
ADH	**IV**	**25 16 53 46.4**	**37.73N**	**25.41W**	**5**	**2.3D**		**¶97iv4382**
ADH	**IV**	**25 21 17 54.3**	**38.26N**	**26.96W**	**7**	**2.3D**		**¶97iv4417**
ADH	**IV**	**28 03 41 29.8**	**38.22N**	**26.96W**	**5**	**3.0D**		**¶97iv4841**
ADH	**IV**	**28 05 21 11.4**	**38.38N**	**26.79W**	**0**	**2.9D**		**¶97iv4855**
LIS	**IV**	**28 11 37 13.5**	**38.69N**	**29.11W**		**3.4D**		**¶97iv4909**
ADH	**V**	**06 21 21 10.3**	**37.60N**	**25.11W**	**8**	**2.4D**		**¶97v1011**
ISC	**V**	**07 05 43 41**±1.1	**37.9N**±.23	**26.6W**±.10	**5**		**14**	**1-2**
ADH	V	07 05 43 45.1	37.93N	26.45W	5	3.5D		**¶97v1056**
LIS	V	07 05 43 45.5	38.00N	26.47W				
LIS	**V**	**09 13 55 43.8**	**38.53N**	**28.53W**		**2.7D**		**¶97v1431**
LIS	**V**	**11 14 32 26.3**	**38.67N**	**28.53W**		**2.4D**		**¶97v1793**
ISC	**V**	**13 07 42 24**±1.7	**38.9N**±.21	**29.1W**±.26	**0**	3.0b	**5**	**1-54**
LIS	V	13 07 42 28.4	38.77N	29.00W		2.7D		**¶97v2192**
LIS	**V**	**14 08 31 26.7**	**39.10N**	**29.70W**				**¶97v2415**
LIS	**V**	**18 13 44 44.0**	**38.60N**	**28.73W**		**2.2D**		**¶97v3096**
LIS	**V**	**25 14 32 53.6**	**38.45N**	**28.45W**		**2.2D**		**¶97v4285**
LIS	**V**	**25 18 57 54.1**	**38.55N**	**28.60W**		**2.2D**		**¶97v4313**
ADH	**V**	**28 21 07 34.5**	**37.92N**	**25.73W**	**16**	**2.1D**		**¶97v4775**
ADH	**V**	**29 01 00 21.5**	**37.89N**	**25.70W**	**5**	**2.5D**		**¶97v4795**
ADH	**V**	**30 05 03 01.8**	**37.82N**	**25.73W**	**6**	**1.9D**		**¶97v4984**
ADH	**VI**	**04 19 00 20.1**	**39.10N**	**29.34W**		**2.8D**		**¶97vi0659**
ADH	**VI**	**04 20 58 37.8**	**38.69N**	**29.29W**		**3.1D**		**¶97vi0672**
ADH	**VI**	**04 21 20 56.8**	**38.82N**	**29.25W**		**2.6D**		**¶97vi0675**
ADH	**VI**	**04 23 07 36.5**	**38.70N**	**29.30W**	**5**	**1.8D**		**¶97vi0682**
ADH	**VI**	**06 03 40 54.7**	**38.61N**	**29.30W**		**2.4D**		**¶97vi0876**
ADH	**VI**	**07 06 54 03.3**	**38.53N**	**29.37W**		**2.2D**		**¶97vi1058**
ADH	**VI**	**07 21 48 55.0**	**38.67N**	**29.42W**		**2.7D**		**¶97vi1149**
ADH	**VI**	**08 17 36 28.4**	**38.10N**	**26.43W**		**2.6D**		**¶97vi1269**
ADH	**VI**	**13 23 01 05.9**	**38.08N**	**26.40W**		**2.1D**		**¶97vi2054**
ADH	**VI**	**14 05 23 35.6**	**38.58N**	**28.78W**		**1.8D**		**¶97vi2091**
ADH	**VI**	**16 07 56 53.7**	**38.56N**	**29.15W**		**2.7D**		**¶97vi2422**
ADH	**VI**	**16 11 39 27.6**	**38.65N**	**28.46W**		**2.3D**		**¶97vi2451**
ISC	**VI**	**17 13 46 19**±1.5	**38.7N**±.15	**28.53W**±.094	**0**		**4**	**0-0**
ADH	VI	17 13 46 19.3	38.66N	28.54W		1.8D		**¶97vi2637**
ISC	Poorly determined							
ISC	**VI**	**17 14 01 39**±1.6	**38.7N**±.16	**28.54W**±.097	**0**		**4**	**0-0**
ADH	VI	17 14 01 38.7	38.67N	28.56W		1.8D		**¶97vi2642**
ISC	Poorly determined							
ADH	**VI**	**18 22 45 27.8**	**37.69N**	**29.25W**				**¶97vi2838**
ADH	**VI**	**19 23 54 47.7**	**37.52N**	**25.25W**		**1.5D**		**¶97vi2980**
ADH	**VI**	**20 10 58 41.1**	**38.58N**	**28.51W**		**1.9D**		**¶97vi3041**
ADH	**VI**	**22 06 45 13.7**	**37.76N**	**25.46W**		**2.0D**		**¶97vi3339**
ADH	**VI**	**22 07 57 45.6**	**37.51N**	**25.00W**		**2.7D**		**¶97vi3341**
ADH	**VI**	**23 15 29 30.1**	**38.07N**	**25.00W**		**2.4D**		**¶97vi3549**
ADH	**VI**	**24 02 55 57.4**	**38.47N**	**28.43W**				**¶97vi3623**
ISC	**VI**	**24 09 37 08**±16	**37.5N**±.73	**25.1W**±.60	**0**		**10**	**0-1**
ADH	VI	24 09 37 09.6	37.66N	25.11W		2.6D		**¶97vi3687**
ADH	**VI**	**24 14 41 20.3**	**38.74N**	**29.02W**		**2.3D**		**¶97vi3732**
ADH	**VI**	**25 03 57 46.0**	**38.15N**	**26.06W**		**2.2D**		**¶97vi3839**
ADH	**VI**	**25 13 45 21.4**	**37.76N**	**25.43W**		**2.0D**		**¶97vi3947**
ADH	**VI**	**25 13 57 54.1**	**37.76N**	**25.43W**		**2.1D**		**¶97vi3950**
ADH	**VI**	**25 14 16 58.2**	**37.77N**	**25.42W**		**1.7D**		**¶97vi3954**
ADH	**VI**	**25 14 21 44.3**	**37.74N**	**25.42W**		**1.7D**		**¶97vi3955**
ADH	**VI**	**25 14 24 07.5**	**37.75N**	**25.12W**		**1.9D**		**¶97vi3956**
ISC	**VI**	**25 14 29 42**±1.3	**37.76N**±.094	**25.4W**±.10	**0**		**5**	**0-0**
ADH	VI	25 14 29 39.8	37.77N	25.44W		1.9D		**¶97vi3957**
ISC	Poorly determined							
ISC	**VI**	**25 14 32 00**±4.2	**37.8N**±.29	**25.4W**±.16	**0**		**6**	**0-0**
ADH	VI	25 14 31 59.1	37.78N	25.41W		1.7D		**¶97vi3958**
ISC	**VI**	**25 20 32 24.6**±.45	**39.94N**±.088	**29.56W**±.096	**10**	**3.9b**	**27**	**1-65**
NEIC	VI	25 20 32 24.4	39.95N	29.62W	10	4.3b		**¶97vi4026**
EIDC	VI	25 20 32 27.7	39.9N	29.7W	16	3.7b,3.9L		
ADH	VI	25 20 32 27.9	40.00N	29.58W		4.1D		
NEIC	Less reliable solution.							
ADH	**VI**	**26 00 15 17.8**	**37.66N**	**25.07W**		**1.6D**		**¶97vi4052**
ADH	**VI**	**26 09 44 59.0**	**37.65N**	**25.18W**		**1.5D**		**¶97vi4114**
ADH	**VI**	**26 22 00 39.3**	**37.76N**	**25.39W**		**1.5D**		**¶97vi4205**
ISC	**VI**	**27 04 26 41.5**±.93	**38.0N**±.11	**26.95W**±.088	**0**		**9**	**1-1**
ADH	VI	27 04 26 46.1	38.26N	26.80W		3.0D		**¶97vi4236**
ISC	**VI**	**27 04 38 15.0**±.61	**38.02N**±.087	**26.93W**±.063	**0**		**21**	**1-2**
ADH	VI	27 04 38 19.5	38.24N	26.81W		3.3D		**¶97vi4240**
ISC	**VI**	**27 04 39 52.6**±.15	**38.25N**±.026	**26.71W**±.018	**10**	**5.5b,5.6s**	**597**	**1-173**
NEIC	VI	27 04 39 52.7	38.33N	26.68W	10	5.6b,5.4s		**¶97vi4241**
MOS	VI	27 04 39 52.8	38.3N	26.7W	10	6.1b,5.6s		
BJI	VI	27 04 39 53.8	38.33N	26.73W	23	5.6b,6.2s		
ADH	VI	27 04 39 53.9	38.24N	26.82W	2	5.0D		
EIDC	VI	27 04 39 55.1	38.3N	26.7W	17	4.8b,5.1L		
HRVD	VI	27 04 39 58.6±.1	38.40N±.02	26.52W±.02	15			

CSEM Mw5.8. M_0=6.0±1.8×10^{17}Nm. Fault plane solution. NP1:ϕ_S73°,δ16°,λ50°. NP2:ϕ_S294°,δ78°, λ100°. Principal axes: T Plg56°,Azm217°; N Plg10°,Azm112°; P Plg32°,Azm15°

NEIC Mw5.9(GS), Mw5.9(HRV).

NEIC Moment tensor solution: s39, scale 10^{17}Nm; M_{rr}−3.08; $M_{\theta\theta}$2.59; $M_{\phi\phi}$0.49; $M_{r\theta}$−2.70; $M_{r\phi}$4.95; $M_{\theta\phi}$−2.54. Depth 5km; Principal axes: T 6.98,Plg28°,Azm224°; N −0.36,Plg17°, Azm323°; P −6.62,Plg56°,Azm80°. Best double couple: $M_0$6.8×10^{17}Nm; NP1:ϕ_S277°,δ23°, λ−139°. NP2:ϕ_S148°,δ75°,λ−72°.

ADH Felt I=V MM on Sao Miguel at Mosteiros, Varzea, Ginetes, IV−V Bretanha, Candelaria, IV Remedios, Feteiras, Arrifes, III−IV Sete Cidades, Santa Barbara, Faja de Cima, Faja de Baixo, Ponta Delgarda, Relva, III Capelas, Fenais da Luz, Calhetas, Rabo de Peixe, Ribeira Grande, Lagoa, Sao Roque, Agua d'Alto, Ribeira Quente, Vila Franca, Ponta Garca, II−III Porto Formoso, Funas, Povoacao, II Fenais da Ajuda, Faial da Terra

ADH Felt IV MM on Terceira at Lajes, Agualva, Praia da Victoria, Fonte do Bastardo, Terra Cha, Ribeirinha, Porto Judeu, Angra do Heroismo, IV−V Vila Nova, Quatro Ribeiras, Sao Bartolomeu, IV Sao Sebastiao, Biscoitos, Fontinhas, Sao Braz, III−IV Serreta, Doze Ribeiras, III Altares, Raminho, Santa Barbara; on Sao Jorge I=III−IV at Topo, III Norte Grande, Calheta, Ribeira Seca, II−III Urzelina, II Velas

ADH Felt I=III MM on Pico at Sao Roque, Santo Amaro, Piedade, Sao Joao, Calhetae Lajes, II−III Prainha, Santa Luzia, Candelaria, Sao Mateus, II Madelena, Bandeiras; I=III on Faial at Horta, II−III Salao, Ribeirinha, Pedro Miguel, Praia do Almoxarife, Flamengos, II Cedros, Praia do Norte, Capelo, Castelo Branco

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c116; Mantle waves: s8,c11; Half duration: 2s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−6.40±.08; $M_{\theta\theta}$3.42±.10; $M_{\phi\phi}$2.98±.11; $M_{r\theta}$−1.02±.32; $M_{r\phi}$2.99±.31; $M_{\theta\phi}$−3.82±.09. Principal Axes: T 7.60,Plg11°,Azm225°; N −0.32,Plg12°,Azm318°; P −7.27,Plg74°,Azm92°. Best double couple: $M_0$7.4×10^{17}Nm, NP1:ϕ_S301°,δ35°,λ−111°. NP2:ϕ_S145°,δ57°,λ−76°.

ISC	**VI**	**27 10 42 55.7**±.58	**38.11N**±.092	**26.88W**±.069	**0**		**20**	**1-2**
ADH	VI	27 10 43 00.5	38.43N	26.76W		3.3D		**¶97vi4283**

ADH Felt I=II MM on Terceira at Costa Leste

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**VI**	**27 11 05 32.3**±.74	**38.03N**±.099	**26.88W**±.076	**0**		**20**	**1-2**
ADH	VI	27 11 05 36.4	38.25N	26.79W		3.3D		¶97vi4288
ADH	Felt I=II MM on Terceira at Costa Leste							
ISC	**VI**	**27 17 23 54.1**±.21	**38.22N**±.035	**26.76W**±.026	**10**	**4.7b,4.5s**	**228**	**1-158**
BJI	VI	27 17 23 54.2	38.22N	26.84W	17	4.9b,5.2s		¶97vi4337
EIDC	VI	27 17 23 54.2	38.2N	26.7W	0	4.4b,4.4s		
NEIC	VI	27 17 23 54.3	38.29N	26.76W	10	4.9b,4.4s		
MOS	VI	27 17 23 55.6	38.5N	26.6W	10	5.1b,4.6s		
ADH	VI	27 17 23 56.0	38.33N	26.73W		4.5D		
HRVD	VI	27 17 23 57.6±.7	38.26N±.14	26.16W±.15	15			
NEIC	Mw5.2(HRV).							
ADH	Felt I=III−IV MM on Terceira; I=III on Sao Miguel							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c26; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.91±.38; $M_{\theta\theta}$1.79±.43; $M_{\phi\phi}$1.12±.48; $M_{r\theta}$−0.52±1.48; $M_{r\phi}$5.06±1.15; $M_{\theta\phi}$−2.55±.38. Principal Axes: T 5.96,Plg27°,Azm236°; N 0.51,Plg23°,Azm338°; P −6.47,Plg54°,Azm102°. Best double couple: $M_0$6.2×10^{16}Nm, NP1: ϕ_S284°,δ27°,λ−147°. NP2:ϕ_S164°,δ76°,λ−67°.							
ISC	**VI**	**27 18 13 06**±2.5	**38.4N**±.45	**26.8W**±.23	**50**±51		**20**	**0-2**
ADH	VI	27 18 13 07.9	38.29N	26.87W		3.4D		¶97vi4344
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**27 22 28 47**±1.7	**38.7N**±.27	**27.0W**±.21	**10**	**4.0b,**3.8s	**9**	**18-77**
NEIC	VI	27 22 28 47.1	38.69N	27.04W	10	4.5b		¶97vi4374
EIDC	VI	27 22 28 48.6	38.9N	26.8W	0	3.8b,3.8s		
NEIC	Poor solution.							
ISC	**VI**	**27 22 32 19.0**±.67	**38.21N**±.092	**26.86W**±.065	**21**±6.8	**3.8b**	**28**	**1-77**
NEIC	VI	27 22 32 18.0	38.25N	26.87W	10			¶97vi4376
EIDC	VI	27 22 32 19.9	38.8N	26.8W	0	3.8b		
ADH	VI	27 22 32 21.0	38.29N	26.85W		3.8D		
NEIC	Poor solution.							
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**27 23 52 39.4**±.62	**38.05N**±.083	**26.99W**±.065	**0**		**20**	**1-1**
ADH	VI	27 23 52 44.0	38.28N	26.88W		3.6D		¶97vi4382
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 00 55 34.4**±.67	**38.21N**±.085	**26.86W**±.063	**20**±6.7	**3.6b**	**31**	**1-101**
EIDC	VI	28 00 55 32.9	38.4N	27.3W	0	3.6b,4.0L		¶97vi4388
ADH	VI	28 00 55 36.6	38.29N	26.85W		3.8D		
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 01 38 58.4**±.62	**38.06N**±.087	**26.95W**±.067	**0**		**20**	**1-1**
ADH	VI	28 01 39 02.8	38.28N	26.84W		3.8D		¶97vi4394
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 01 54 58.3**±.36	**38.16N**±.063	**26.89W**±.050	**10**	**4.0b**	**39**	**1-88**
NEIC	VI	28 01 54 59.3	38.20N	27.09W	10			¶97vi4396
EIDC	VI	28 01 54 59.3	38.3N	27.1W	0	3.9b,4.1L		
ADH	VI	28 01 55 00.9	38.31N	26.83W		3.8D		
NEIC	Less reliable solution.							
ADH	Felt I=II MM on Terceira							
ADH	**VI**	**28 03 24 20.9**	**37.89N**	**25.91W**		**2.7D**		¶97vi4406
ADH	Felt I=III MM on Sao Miguel at Ginetes							
ADH	**VI**	**28 03 28 59.6**	**37.91N**	**25.89W**		**2.6D**		¶97vi4408
ADH	Felt I=II MM on Sao Miguel at Ginetes							
ISC	**VI**	**28 04 29 59.5**±.84	**38.4N**±.26	**26.7W**±.15	**31**±16		**19**	**0-2**
ADH	VI	28 04 30 00.7	38.25N	26.88W		3.5D		¶97vi4414
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 07 22 35.2**±.65	**38.05N**±.085	**26.98W**±.067	**0**		**19**	**1-1**
ADH	VI	28 07 22 39.7	38.28N	26.87W		3.6D		¶97vi4443
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 13 31 44.0**±.78	**38.24N**±.037	**26.81W**±.025	**5**±4.9	**4.6b,4.9s**	**201**	**1-158**
MOS	VI	28 13 31 44.7	38.3N	26.8W	10	5.0b,4.8s		¶97vi4478
NEIC	VI	28 13 31 44.8	38.28N	26.81W	10	4.8b		
EIDC	VI	28 13 31 44.9	38.3N	26.8W	0	4.3b,4.4L		
BJI	VI	28 13 31 46.0	38.85N	26.72W	5	4.6b,5.1s		
ADH	VI	28 13 31 47.0	38.30N	26.82W				
ADH	Felt I=III−IV MM on Sao Miguel at Mosteiros, Ginetes, III at Candelaria, Ribeira Quente, II Sete Cidades, Santa Barbara, Ribeira Grande, Cabouco, Sao Roque, Nordela, Porto Formoso, Capelas, II−III Ponta Delgarda							
ISC	**VI**	**28 13 32 03.5**±.32	**38.34N**±.065	**26.84W**±.051	**10**	**4.7b,4.6s**	**122**	**18-158**
BJI	VI	28 13 32 02.0	38.30N	26.80W	10	5.2b,5.4s		¶97vi4479
NEIC	VI	28 13 32 03.0	38.32N	26.81W	10	4.9b,4.6s		
HRVD	VI	28 13 32 03.1±.5	38.41N±.10	26.64W±.12	15			
EIDC	VI	28 13 32 03.3	38.3N	26.8W	0	4.5b,4.7L		
MOS	VI	28 13 32 03.5	38.3N	26.8W	10	5.0b,4.5s		
NEIC	Mw5.1(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c33; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.18±.37; $M_{\theta\theta}$0.43±.48; $M_{\phi\phi}$4.75±.53; $M_{r\theta}$−0.20±1.72; $M_{r\phi}$0.12±1.69; $M_{\theta\phi}$−3.03±.41. Principal Axes: T 6.31,Plg1°,Azm243°; N −1.13,Plg2°,Azm153°; P −5.19,Plg88°,Azm1°. Best double couple: $M_0$5.8×10^{16}Nm, NP1: ϕ_S335°,δ44°,λ−87°. NP2:ϕ_S151°,δ46°,λ−92°.							
ISC	**VI**	**28 14 05 21.6**±.79	**38.26N**±.049	**26.80W**±.039	**9**±5.3	**4.2b,**4.6s	**76**	**1-85**
BJI	VI	28 14 05 18.0	38.30N	26.70W	10	4.4b		¶97vi4483
NEIC	VI	28 14 05 21.8	38.34N	26.74W	10	4.5b		
MOS	VI	28 14 05 21.9	38.3N	26.7W	10	4.6b		
EIDC	VI	28 14 05 22.5	38.4N	26.8W	0	4.1b,4.3L		
ADH	VI	28 14 05 24.2	38.29N	26.80W		3.7D		
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 14 06 26.5**±.85	**38.29N**±.045	**26.80W**±.036	**12**±5.7	**4.5b,4.1s**	**92**	**0-149**
MOS	VI	28 14 06 25.8	38.2N	26.7W	10	4.9b,4.0s		¶97vi4484
NEIC	VI	28 14 06 26.1	38.27N	26.72W	10	4.7b,4.1s		
EIDC	VI	28 14 06 26.7	38.3N	26.7W	0	4.3b,4.0s		
BJI	VI	28 14 06 27.2	38.80N	26.87W	5	4.4b		
ADH	VI	28 14 06 29.2	38.35N	26.82W		3.7D		
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 14 09 46.3**±.62	**38.1N**±.10	**26.88W**±.076	**0**		**19**	**1-2**
ADH	VI	28 14 09 50.8	38.38N	26.80W		3.4D		¶97vi4485
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 16 48 45.9**±.90	**38.4N**±.20	**26.8W**±.12	**33**±13		**19**	**0-2**
ADH	VI	28 16 48 47.3	38.30N	26.87W		3.4D		¶97vi4506
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**28 17 32 09.8**±.92	**38.4N**±.25	**26.8W**±.13	**31**±16		**20**	**0-2**
ADH	VI	28 17 32 11.1	38.28N	26.86W		3.4D		¶97vi4511
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**29 03 54 01.5**±.64	**38.3N**±.13	**26.70W**±.070	**10**	**4.3b,3.5s**	**51**	**18-158**
BJI	VI	29 03 54 00.7	38.20N	26.70W	10	5.2b		¶97vi4565
NEIC	VI	29 03 54 00.7	38.20N	26.71W	10	4.4b		
EIDC	VI	29 03 54 00.8	38.2N	26.6W	0	4.0b,3.7s		
ADH	VI	29 03 54 03.6	38.37N	26.85W		3.7D		
ADH	Felt I=II MM on Terceira							
ADH	**VI**	**29 04 14 34.1**	**38.34N**	**26.85W**		**3.6D**		¶97vi4567
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**29 04 22 37**±1.0	**38.29N**±.058	**26.86W**±.040	**8**±6.3	**4.2b,4.2s**	**65**	**0-79**
NEIC	VI	29 04 22 37.2	38.35N	26.79W	10	4.5b,4.0s		¶97vi4568
EIDC	VI	29 04 22 37.5	38.2N	26.7W	0	4.0b,4.4L		
ADH	VI	29 04 22 39.6	38.38N	26.84W		3.8D		
MOS	VI	29 04 22 43.4	38.8N	26.3W	10	4.6b		
ADH	Felt I=III MM on Sao Miguel at Ginetes, Mosteiros, II−III Porta Delgarda; I=III MM on Terceira at Praia da Vitoria, Agualva, Angra do Heroismo							
ISC	**VI**	**29 08 48 23**±1.3	**38.4N**±.25	**26.8W**±.14	**40**±54		**12**	**0-2**
ADH	VI	29 08 48 24.5	38.29N	26.87W		3.4D		¶97vi4593
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**29 09 44 03**±1.1	**38.1N**±.12	**26.9W**±.11	**0**		**10**	**1-2**
ADH	VI	29 09 44 06.9	38.24N	26.84W		3.3D		¶97vi4603
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**29 21 29 13.8**±.60	**38.04N**±.081	**27.00W**±.061	**0**		**20**	**1-1**
ADH	VI	29 21 29 18.3	38.30N	26.86W		3.7D		¶97vi4666
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**29 22 27 55**±1.6	**38.0N**±.11	**26.98W**±.071	**0**±11	**3.8b**	**24**	**1-67**
EIDC	VI	29 22 27 56.9	38.1N	26.8W	0	3.6s,3.7b		¶97vi4672
ADH	VI	29 22 27 59.1	38.28N	26.89W		3.8D		
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**29 22 57 37.3**±.66	**38.02N**±.085	**27.01W**±.065	**0**		**18**	**1-1**
ADH	VI	29 22 57 41.9	38.28N	26.89W		3.7D		¶97vi4677
ADH	Felt I=II MM on Terceira							
ISC	**VI**	**30 01 23 28**±1.5	**38.3N**±.26	**26.9W**±.14	**32**±20		**20**	**0-1**
ADH	VI	30 01 23 30.2	38.31N	26.89W		3.5D		¶97vi4694
ADH	Felt I=II MM on Terceira at Angra do Heroismo							
ISC	**VI**	**30 04 57 04.8**±.86	**38.52N**±.057	**26.61W**±.052	**10**±6.9	**4.1b,3.5s**	**56**	**0-77**
NEIC	VI	30 04 57 04.9	38.51N	26.44W	10	4.5b		¶97vi4708
MOS	VI	30 04 57 05.3	38.5N	26.4W	10	4.6b		
EIDC	VI	30 04 57 05.3	38.1N	26.9W	0	4.1b,3.7s		
ADH	VI	30 04 57 07.2	38.35N	26.85W		4.1D		
NEIC	Less reliable solution.							
ADH	Felt I=III MM on Terceira at Angra do Heroismo, Agualva, Praia da Vitoria; I=II MM on Sao Miguel at Mosteiros							
ADH	**VI**	**30 18 46 44.4**	**38.79N**	**28.97W**		**2.7D**		¶97vi4806

(406) Central Mid-Atlantic Ridge.

ISC	**I**	**09 17 47 17.2**±.50	**0.8N**±.10	**29.28W**±.074	**10**	**4.6b**	**53**	**13-155**
NEIC	I	09 17 47 17.2	0.79N	29.26W	10	4.9b		¶97i1257
EIDC	I	09 17 47 19.4	0.7N	29.4W	15	4.1b		
MOS	I	09 17 47 23.0	2.0N	29.6W	10	4.9b		
ISC	**I**	**15 07 36 36.1**±.70	**1.5S**±.22	**24.1W**±.12	**10**	**4.2b**	**20**	**16-150**
NEIC	I	15 07 36 35.8	1.54S	24.07W	10	4.2b		¶97i2116
EIDC	I	15 07 36 40.5	0.0N	24.3W	0	3.9b		
NEIC	Poor solution.							
ISC	**I**	**17 09 30 53.3**±.62	**7.6N**±.10	**36.7W**±.16	**10**	**4.1b**	**16**	**16-162**
EIDC	I	17 09 30 53.3	7.6N	36.7W	0	3.9b		¶97i2424
NEIC	I	17 09 30 53.5	7.68N	36.76W	10	4.1b		
NEIC	Less reliable solution.							
ISC	**I**	**17 21 10 41.5**±.41	**1.00N**±.084	**27.61W**±.070	**10**	**4.5b**	**93**	**23-151**
NEIC	I	17 21 10 41.1	0.97N	27.62W	10	4.8b		¶97i2532
MOS	I	17 21 10 41.3	1.1N	27.7W	10	4.9b		
EIDC	I	17 21 10 45.0	1.1N	27.7W	25	4.1b		
ISC	**I**	**17 21 13 28.1**±.67	**0.9N**±.16	**27.6W**±.17	**10**	**4.0b**	**16**	**39-151**
NEIC	I	17 21 13 28.1	0.95N	27.65W	10	4.4b		¶97i2533
EIDC	I	17 21 13 32.0	0.8N	27.5W	23	4.0b		
BJI	I	17 21 14 15.8	0.90N	27.70W	10			
NEIC	Less reliable solution.							
ISC	**I**	**17 21 14 16.2**±.36	**0.93N**±.072	**27.63W**±.060	**10**	**4.7b,4.3s**	**154**	**23-154**
NEIC	I	17 21 14 15.8	0.91N	27.65W	10	4.9b,4.3s		¶97i2535
EIDC	I	17 21 14 16.1	0.9N	27.6W	0	4.4b,4.4s		
MOS	I	17 21 14 16.5	1.0N	27.6W	10	5.1b		
ISC	**I**	**21 14 21 00.8**±.51	**0.9N**±.12	**27.68W**±.081	**10**	**4.4b**	**24**	**23-151**
EIDC	I	21 14 21 00.0	0.9N	27.9W	0	4.2b		¶97i3191
NEIC	I	21 14 21 00.4	0.88N	27.68W	10	4.8b		
ISC	**I**	**24 13 39 46**±2.8	**1.0N**±.84	**25.4W**±.14	**10**	**3.8b**	**8**	**21-89**
EIDC	I	24 13 39 45.3	0.6N	25.5W	0	3.8b		¶97i3656
ISC	**I**	**30 23 46 29.9**±.39	**7.48N**±.068	**36.22W**±.085	**10**	**4.7b,4.5s**	**93**	**16-129**
EIDC	I	30 23 46 29.6	7.5N	36.3W	0	4.4b,4.4s		¶97i4564
NEIC	I	30 23 46 29.7	7.51N	36.29W	10	4.8b,4.4s		
ISC	**II**	**17 01 49 23.2**±.90	**0.3S**±.27	**28.3W**±.16	**10**	**3.9b,4.0s**	**7**	**24-151**
NEIC	II	17 01 49 22.9	0.35S	28.30W	10			¶97ii2445
EIDC	II	17 01 49 23.5	0.1S	28.4W	0	4.0s,3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**17 21 15 31.5**±.57	**0.8N**±.12	**25.1W**±.10	**10**	**3.9b,3.8s**	**18**	**21-152**
NEIC	II	17 21 15 31.1	0.78N	25.07W	10	3.9b		¶97ii2548
EIDC	II	17 21 15 31.7	0.8N	25.1W	0	3.9b,3.8s		
NEIC	Less reliable solution.							
ISC	**II**	**21 10 02 52.6**±.95	**0.8N**±.22	**25.3W**±.10	**10**	**4.2b**	**14**	**21-150**
NEIC	II	21 10 02 52.4	0.65N	25.32W	10	4.3b		¶97ii3049
EIDC	II	21 10 02 52.4	0.6N	25.3W	0	4.2b		
NEIC	Poor solution.							
ISC	**II**	**21 18 16 50**±1.1	**0.1S**±.35	**26.2W**±.15	**10**	**4.0b**	**8**	**22-149**
NEIC	II	21 18 16 49.5	0.20S	26.24W	10	3.7b		¶97ii3105
EIDC	II	21 18 16 50.2	0.2S	26.2W	0	4.0b		
NEIC	Poor solution.							
ISC	**II**	**22 02 57 22.8**±.48	**0.7N**±.12	**25.90W**±.070	**10**	**4.1b**	**23**	**22-150**
NEIC	II	22 02 57 22.7	0.67N	25.93W	10	4.4b		¶97ii3159
EIDC	II	22 02 57 22.9	0.8N	26.0W	0	4.0b		
NEIC	Less reliable solution.							
ISC	**III**	**05 08 39 55**±6.4	**0.9S**±.67	**23.6W**±.50	**10**	3.4b	**6**	**20-147**
EIDC	III	05 08 39 51.5	1.3S	23.9W	0	3.5s,3.7b		¶97iii1019
ISC	**III**	**31 05 22 36**±1.6	**8.5N**±.22	**34.3W**±.39	**10**	**3.8b**	**6**	**28-92**
NEIC	III	31 05 22 35.0	8.56N	34.32W	10	3.7b		¶97iii5848
EIDC	III	31 05 22 36.1	8.5N	34.4W	0	3.7b,3.4s		
NEIC	Poor solution.							
ISC	**IV**	**02 15 54 50.4**±.84	**9.6N**±.15	**40.5W**±.17	**10**	**3.9b,**2.9s	**8**	**26-88**
NEIC	IV	02 15 54 49.7	9.63N	40.56W	10			¶97iv0266
EIDC	IV	02 15 54 50.5	9.6N	40.7W	0	3.9b,2.9s		
NEIC	Poor solution.							
ISC	**IV**	**07 02 00 43**±1.3	**9.0N**±.17	**34.2W**±.37	**10**	**3.6b**	**4**	**18-78**
EIDC	IV	07 02 00 43.8	9.0N	34.2W	0	3.6b		¶97iv1086
ISC	Poorly determined							
EIDC	**IV**	**10 12 21 16.5**	**1.6N**	**25.5W**	**13**	3.5b		**79-153**
								¶97iv1689
EIDC	**IV**	**16 12 41 58.2**	**4.1N**	**32.2W**	**0**	**3.3b**		**59-83**
								¶97iv2755
ISC	**IV**	**16 12 45 09.8**±.47	**4.2N**±.11	**32.49W**±.086	**10**	**4.1b,4.0s**	**26**	**28-152**
NEIC	IV	16 12 45 09.6	4.21N	32.52W	10	4.4b		¶97iv2756
EIDC	IV	16 12 45 09.8	4.4N	32.6W	0	4.1b,3.9s		
NEIC	Less reliable solution.							

ISC	**IV**	**16 13 30 24.2**±.80	**5.0N**±.18	**32.5W**±.14	**10**	**3.8b,3.9s**	**11 41-157**
NEIC	IV	16 13 30 23.6	4.90N	32.54W	10		**¶97iv2766**
EIDC	IV	16 13 30 24.2	5.1N	32.6W	0	3.7s,3.7b	
NEIC	Single network solution.						
ISC	**IV**	**16 17 50 22.3**±.63	**9.1N**±.14	**40.4W**±.11	**10**	**4.2b,3.9s**	**19 35-131**
NEIC	IV	16 17 50 22.1	9.08N	40.46W	10	4.4b	**¶97iv2794**
EIDC	IV	16 17 50 22.4	9.2N	40.5W	0	4.2b,3.6s	
NEIC	Less reliable solution.						
ISC	**IV**	**23 21 47 26.0**±.64	**1.0N**±.19	**29.6W**±.12	**10**	**4.4b**	**13 13-152**
NEIC	IV	23 21 47 25.8	1.01N	29.66W	10	4.7b	**¶97iv4030**
EIDC	IV	23 21 47 29.8	0.9N	29.5W	26	4.0b	
NEIC	Less reliable solution.						
ISC	**IV**	**25 10 40 08**±3.4	**8.0N**±.18	**38.2W**±.69	**10**	**3.6b**	**5 25-77**
EIDC	IV	25 10 40 07.5	8.0N	38.1W	0	3.5b	**¶97iv4327**
ISC	**V**	**01 04 56 29.4**±.45	**0.36S**±.092	**19.18W**±.064	**10**	**4.4b,4.4s**	**80 16-151**
NEIC	V	01 04 56 28.8	0.42S	19.15W	10	4.5b,4.4s	**¶97v0034**
EIDC	V	01 04 56 33.8	0.3S	19.1W	31	4.0b,4.1s	
MOS	V	01 04 56 34.6	0.0S	18.2W	10	4.9b	
ISC	**V**	**01 15 41 37.5**±.51	**3.1N**±.11	**31.07W**±.095	**10**	**4.0b**	**27 25-155**
NEIC	V	01 15 41 37.4	3.10N	31.06W	10	4.3b	**¶97v0120**
EIDC	V	01 15 41 37.6	3.0N	31.2W	0	4.0b	
NEIC	Less reliable solution.						
ISC	**V**	**09 08 23 20.2**±.52	**4.6N**±.12	**32.6W**±.11	**10**	**3.9b,3.8s**	**15 25-82**
NEIC	V	09 08 23 19.7	4.59N	32.59W	10	4.0b	**¶97v1387**
EIDC	V	09 08 23 20.2	4.6N	32.6W	0	3.9b,3.8s	
NEIC	Less reliable solution.						
ISC	**V**	**15 15 50 09.4**±.71	**0.8S**±.19	**24.41W**±.094	**10**	**4.2b**,4.0s	**17 21-148**
EIDC	V	15 15 50 08.2	0.9S	24.5W	0	4.0b,3.8s	**¶97v2641**
NEIC	V	15 15 50 09.1	0.87S	24.45W	10	4.3b	
NEIC	Less reliable solution.						
ISC	**V**	**15 15 52 33**±1.1	**0.9S**±.33	**24.5W**±.15	**10**	**3.8b**	**10 21-151**
EIDC	V	15 15 52 32.5	1.0S	24.5W	0	3.8b	**¶97v2642**
NEIC	V	15 15 52 32.8	0.94S	24.54W	10	4.0b	
NEIC	Poor solution.						
ISC	**V**	**15 22 11 26.3**±.52	**1.7N**±.13	**30.54W**±.087	**10**	**4.1b,4.0s**	**18 13-154**
EIDC	V	15 22 11 25.6	1.8N	30.6W	0	4.0b,3.8s	**¶97v2686**
NEIC	V	15 22 11 26.2	1.78N	30.59W	10	4.6b	
NEIC	Less reliable solution.						
ISC	**V**	**20 07 18 31.0**±.50	**0.9N**±.14	**28.2W**±.11	**10**	**4.4b,4.3s**	**18 14-151**
NEIC	V	20 07 18 31.1	0.82N	28.06W	10	4.6b	**¶97v3372**
EIDC	V	20 07 18 31.3	0.8N	28.1W	0	4.0s,4.3b	
NEIC	Less reliable solution.						
ISC	**V**	**25 10 19 24.8**±.42	**3.07N**±.091	**31.23W**±.072	**10**	**4.5b,4.4s**	**46 25-158**
EIDC	V	25 10 19 24.0	3.1N	31.2W	0	4.3b,4.2s	**¶97v4257**
NEIC	V	25 10 19 24.2	3.04N	31.18W	10	4.7b,4.3s	
MOS	V	25 10 19 24.7	3.1N	31.2W	10	4.9b,4.2s	
ISC	**V**	**25 10 52 33**±1.2	**3.5N**±.20	**31.5W**±.23	**10**	**3.9b**,4.3s	**11 39-97**
NEIC	V	25 10 52 33.3	3.49N	31.50W	10	4.1b	**¶97v4259**
EIDC	V	25 10 52 34.0	3.5N	31.5W	0	3.9b,4.1s	
NEIC	Less reliable solution.						
ISC	**V**	**27 11 49 15.9**±.44	**0.84S**±.092	**21.02W**±.072	**10**	**4.6b,4.3s**	**63 17-148**
NEIC	V	27 11 49 15.5	0.87S	21.02W	10	4.4b,4.3s	**¶97v4564**
EIDC	V	27 11 49 15.9	0.8S	21.1W	0	4.4b,4.3s	
MOS	V	27 11 49 16.6	0.7S	21.0W	10	4.8b	
ISC	**VI**	**14 08 49 49.6**±.56	**0.9N**±.15	**26.2W**±.11	**10**	**4.1b,4.1s**	**23 22-153**
NEIC	VI	14 08 49 49.1	0.84N	26.24W	10	4.5b,3.9s	**¶97vi2104**
EIDC	VI	14 08 49 52.7	0.6N	26.0W	29	3.7b,3.9s	
NEIC	Less reliable solution.						
ISC	**VI**	**14 13 22 39**±1.0	**1.0N**±.31	**25.4W**±.13	**10**	**4.0b**,3.2s	**7 21-91**
NEIC	VI	14 13 22 38.9	0.92N	25.42W	10	4.4b	**¶97vi2133**
EIDC	VI	14 13 22 39.0	1.1N	25.5W	0	3.4s,3.8b	
NEIC	Poor solution.						
ISC	**VI**	**16 23 08 57.3**±.52	**1.1S**±.14	**24.35W**±.083	**10**	**4.1b,4.0s**	**20 16-153**
NEIC	VI	16 23 08 56.9	1.10S	24.33W	10	4.5b	**¶97vi2524**
EIDC	VI	16 23 08 57.0	1.1S	24.5W	0	4.2b,4.0s	
NEIC	Less reliable solution.						

(407) North of Ascension Island.

ISC	**I**	**03 17 54 26**±1.1	**1.8S**±.21	**12.8W**±.15	**10**	**4.3b,3.9s**	**23 11-141**
NEIC	I	03 17 54 26.1	1.83S	12.88W	10	4.7b,3.9s	**¶97i0411**
EIDC	I	03 17 54 27.0	1.8S	13.0W	0	4.3b,4.0s	
NEIC	Less reliable solution.						
ISC	**II**	**10 05 29 00.1**±.63	**1.3S**±.12	**15.80W**±.085	**10**	**4.3b**	**36 13-148**
NEIC	II	10 05 28 59.1	1.33S	15.77W	10	4.3b	**¶97ii1419**
EIDC	II	10 05 29 00.1	1.0S	15.9W	0	4.2b,4.1L	
NEIC	Less reliable solution.						
ISC	**II**	**15 14 07 20.6**±.84	**0.5N**±.13	**16.7W**±.11	**10**	**4.4b**	**12 13-69**
NEIC	II	15 14 07 20.2	0.49N	16.67W	10		**¶97ii2243**
EIDC	II	15 14 07 20.8	0.5N	16.7W	0	4.2b,4.5L	
NEIC	Single network solution.						
ISC	**II**	**16 17 31 43**±2.8	**1.4S**±.37	**12.8W**±.27	**10**	**4.4b**	**7 11-139**
EIDC	II	16 17 31 42.1	1.5S	12.9W	0	4.0s,4.3b	**¶97ii2400**
NEIC	II	16 17 31 43.1	1.32S	12.80W	10	4.2b	
NEIC	Poor solution.						
ISC	**II**	**16 18 11 58**±3.5	**2.5S**±.44	**13.5W**±.37	**10**	**3.9b**	**5 13-139**
EIDC	II	16 18 11 57.9	2.6S	13.5W	0	3.9b,3.8L	**¶97ii2404**
ISC	Poorly determined						
ISC	**III**	**05 08 19 44.8**±.64	**3.6S**±.12	**12.0W**±.11	**10**	**4.0b,4.0s**	**15 12-137**
NEIC	III	05 08 19 43.6	3.78S	11.93W	10	4.4b	**¶97iii1016**
EIDC	III	05 08 19 44.8	3.7S	12.0W	0	4.1b,4.1s	
NEIC	Less reliable solution.						
ISC	**III**	**05 10 38 25.7**±.72	**3.6S**±.11	**12.1W**±.12	**10**	**4.1b**	**12 12-77**
NEIC	III	05 10 38 25.2	3.61S	12.14W	10	4.3b	**¶97iii1041**
EIDC	III	05 10 38 25.3	3.6S	12.3W	0	4.1b,3.4L	
NEIC	Less reliable solution.						
ISC	**III**	**10 14 41 35.9**±.73	**1.7S**±.16	**12.4W**±.18	**10**	**4.2b**	**16 11-141**
NEIC	III	10 14 41 35.5	1.76S	12.24W	10	4.9b	**¶97iii2233**
EIDC	III	10 14 41 35.9	1.7S	12.2W	0	4.1b	
NEIC	Less reliable solution.						
ISC	**III**	**20 02 17 05.3**±.36	**1.67S**±.061	**12.96W**±.068	**10**	**4.9b,4.7s**	**161 11-147**
NEIC	III	20 02 17 05.4	1.65S	13.00W	10	5.0b,4.8s	**¶97iii3812**
EIDC	III	20 02 17 05.4	1.7S	13.0W	0	4.6b,4.4s	
HRVD	III	20 02 17 09.5±.6	1.59S±.15	12.71W±.11	15		
MOS	III	20 02 17 12.5	1.0S	11.8W	10	5.2b,4.6s	

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s13,c19; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.17±.61; $M_{\theta\theta}$1.24±.53; $M_{\phi\phi}$3.94±.75; $M_{r\theta}$2.49±2.10; $M_{r\phi}$3.40±2.08; $M_{\theta\phi}$−2.09±.57. Principal Axes: T 5.48,Plg13°,Azm251°; N 1.90,Plg24°,Azm346°; P −7.38,Plg62°,Azm136°. Best double couple: $M_0$6.4×10^{16}Nm, NP1: ϕ_S312°,δ39°,λ−131°. NP2:ϕ_S180°,δ62°,λ−62°.

ISC	**III**	**24 02 20 35.6**±.79	**1.6S**±.18	**15.6W**±.12	**10**	**4.1b**,3.9s	**28 13-144**
NEIC	III	24 02 20 36.0	1.46S	15.73W	10	4.5b,3.9s	**¶97iii4512**
EIDC	III	24 02 20 37.4	2.0S	15.3W	27	3.8b,4.3L	
NEIC	Less reliable solution.						
ISC	**III**	**28 07 28 39.2**±.84	**0.1N**±.17	**16.8W**±.10	**10**	**3.9b**,3.4s	**16 13-146**
NEIC	III	28 07 28 38.7	0.04S	16.81W	10	4.5b	**¶97iii5379**
EIDC	III	28 07 28 43.6	0.1N	16.7W	33	3.7b,3.8s	
NEIC	Less reliable solution.						
ISC	**IV**	**17 12 47 24.7**±.78	**0.3N**±.19	**16.7W**±.11	**10**	**4.2b**,3.8s	**11 13-146**
NEIC	IV	17 12 47 24.1	0.13N	16.61W	10	4.3b	**¶97iv2902**
EIDC	IV	17 12 47 24.9	0.4N	16.8W	0	4.1b,3.6s	
NEIC	Less reliable solution.						
ISC	**IV**	**18 16 08 35**±1.5	**0.0N**±.22	**16.5W**±.20	**10**	**3.9b**	**6 13-94**
NEIC	IV	18 16 08 34.0	0.05S	16.47W	10		**¶97iv3100**
EIDC	IV	18 16 08 34.5	0.0N	16.5W	0	3.9b,4.1L	
NEIC	Poor solution.						
ISC	**IV**	**20 13 20 32.7**±.52	**0.06N**±.096	**16.62W**±.070	**10**	**4.3b,3.9s**	**31 13-150**
NEIC	IV	20 13 20 32.3	0.05N	16.61W	10	4.6b,3.9s	**¶97iv3317**
EIDC	IV	20 13 20 32.7	0.0S	16.7W	0	4.2b,3.9s	
NEIC	Less reliable solution.						
ISC	**IV**	**21 02 15 15**±1.1	**0.3N**±.18	**16.6W**±.14	**10**	**4.2b**	**10 13-145**
NEIC	IV	21 02 15 14.8	0.15N	16.64W	10	4.2b	**¶97iv3388**
EIDC	IV	21 02 15 15.0	0.1N	16.7W	0	4.0b,3.4s	
NEIC	Poor solution.						
ISC	**IV**	**26 01 03 33.7**±.35	**0.04S**±.063	**16.64W**±.057	**10**	**4.6b,4.4s**	**104 13-150**
NEIC	IV	26 01 03 33.3	0.09S	16.60W	10	4.7b,4.5s	**¶97iv4445**
EIDC	IV	26 01 03 33.5	0.0S	16.7W	0	4.4b,4.2s	
MOS	IV	26 01 03 33.6	0.1S	16.6W	10	5.0b	
ISC	**IV**	**27 02 56 01**±9.8	**0.1N**±.16	**16.7W**±.17	**3**±59	**4.0b,3.5s**	**17 13-145**
NEIC	IV	27 02 56 02.2	0.02N	16.64W	10	4.4b	**¶97iv4648**
EIDC	IV	27 02 56 02.8	0.1N	16.7W	0	3.9b,3.6s	
NEIC	Less reliable solution.						
ISC	**IV**	**29 13 59 39**±1.3	**0.1N**±.22	**16.6W**±.18	**10**	**3.9b**	**7 13-143**
EIDC	IV	29 13 59 38.0	0.0N	16.7W	0	3.5s,3.9b	**¶97iv5086**
NEIC	IV	29 13 59 38.3	0.04N	16.55W	10		
NEIC	Poor solution.						
ISC	**V**	**01 19 28 33.0**±.57	**0.0S**±.11	**16.76W**±.090	**10**	**4.0b**,3.6s	**23 14-145**
NEIC	V	01 19 28 32.9	0.04S	16.83W	10	4.2b	**¶97v0142**
EIDC	V	01 19 28 33.5	0.0S	16.9W	0	4.0b,3.8s	
NEIC	Less reliable solution.						
ISC	**V**	**02 20 21 39**±1.4	**0.6N**±.20	**16.6W**±.16	**10**	**3.8b**	**8 13-93**
NEIC	V	02 20 21 38.9	0.50N	16.57W	10		**¶97v0325**
EIDC	V	02 20 21 39.4	0.6N	16.7W	0	3.7b,3.4s	
NEIC	Poor solution.						
ISC	**V**	**04 02 09 21**±1.5	**0.1N**±.21	**16.7W**±.17	**10**	**3.9b**	**9 13-145**
EIDC	V	04 02 09 19.9	0.1S	16.8W	0	3.9b,4.3L	**¶97v0541**
ISC	**V**	**08 09 28 38.9**±.91	**0.2N**±.13	**16.7W**±.13	**10**	**4.0b**	**12 13-143**
NEIC	V	08 09 28 38.9	0.12N	16.68W	10	4.4b	**¶97v1213**
EIDC	V	08 09 28 38.9	0.2N	16.8W	0	3.9b,3.6s	
NEIC	Less reliable solution.						
ISC	**V**	**09 15 47 03**±1.3	**0.1N**±.20	**16.6W**±.15	**10**	**3.9b**,3.1s	**11 13-150**
NEIC	V	09 15 47 01.6	0.00S	16.54W	10	4.5b	**¶97v1443**
EIDC	V	09 15 47 02.3	0.0S	16.7W	0	3.9b,3.3s	
NEIC	Less reliable solution.						
ISC	**V**	**11 23 02 05.4**±.58	**0.0N**±.11	**16.70W**±.088	**10**	**4.0b**	**18 13-149**
NEIC	V	11 23 02 04.9	0.02N	16.70W	10	4.2b	**¶97v1859**
EIDC	V	11 23 02 06.1	0.1S	16.6W	0	4.0b,4.3L	
NEIC	Less reliable solution.						
ISC	**V**	**12 22 29 24.6**±.57	**0.2N**±.11	**16.52W**±.096	**10**	**4.2b**	**19 13-145**
NEIC	V	12 22 29 23.2	0.15N	16.71W	10	4.4b	**¶97v2058**
EIDC	V	12 22 29 23.4	0.2N	16.7W	0	4.1b,4.4L	
NEIC	Poor solution.						
ISC	**V**	**13 17 11 36.8**±.61	**0.1N**±.12	**16.75W**±.081	**10**	**4.2b,3.8s**	**21 13-145**
NEIC	V	13 17 11 36.6	0.02N	16.71W	10	4.4b	**¶97v2276**
EIDC	V	13 17 11 36.6	0.1N	16.8W	0	4.2b,3.7s	
NEIC	Less reliable solution.						
ISC	**V**	**15 16 24 32.8**±.89	**0.2N**±.20	**16.7W**±.12	**10**	**3.9b**	**10 13-145**
NEIC	V	15 16 24 31.9	0.02N	16.69W	10		**¶97v2647**
EIDC	V	15 16 24 32.6	0.2N	16.7W	0	3.9b,3.4s	
NEIC	Poor solution.						
ISC	**V**	**16 17 50 09.9**±.26	**0.02N**±.046	**16.75W**±.051	**10**	**4.8b,4.8s**	**189 13-150**
EIDC	V	16 17 50 09.4	0.1N	16.9W	0	4.4b,4.6s	**¶97v2816**
NEIC	V	16 17 50 09.6	0.03S	16.73W	10	4.9b,4.7s	
MOS	V	16 17 50 09.7	0.0S	16.9W	10	5.2b,4.8s	
HRVD	V	16 17 50 13.1±.2	0.24N±.06	16.85W±.05	15		

NEIC Mw5.2(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s27,c45; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.49±.35; $M_{\theta\theta}$2.02±.34; $M_{\phi\phi}$4.47±.37; $M_{r\theta}$1.70±1.42; $M_{r\phi}$−1.79±1.40; $M_{\theta\phi}$−4.48±.41. Principal Axes: T 8.29,Plg9°,Azm53°; N −1.39,Plg3°,Azm322°; P −6.90,Plg80°,Azm217°. Best double couple: $M_0$7.6×10^{16}Nm, NP1: ϕ_S146°,δ36°,λ−85°. NP2:ϕ_S320°,δ54°,λ−93°.

ISC	**V**	**19 20 05 37.8**±.39	**0.05S**±.072	**16.66W**±.058	**10**	**4.7b,4.5s**	**74 13-150**
NEIC	V	19 20 05 37.3	0.06S	16.65W	10	4.8b,4.6s	**¶97v3301**
MOS	V	19 20 05 37.9	0.0N	16.7W	10	4.9b,4.6s	
EIDC	V	19 20 05 38.2	0.1N	16.7W	0	4.5b,4.4s	
ISC	**V**	**21 20 23 01.3**±.26	**0.01S**±.047	**16.70W**±.044	**10**	**5.1b,4.7s**	**230 13-150**
NEIC	V	21 20 23 01.0	0.02N	16.76W	10	5.2b,4.6s	**¶97v3602**
MOS	V	21 20 23 01.2	0.1N	16.8W	10	5.4b,4.9s	
HRVD	V	21 20 23 04.8±.3	0.03N±.07	16.73W±.07	15		
EIDC	V	21 20 23 12.3	0.1S	16.8W	94	4.6b,4.6s	

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c51; Half duration: 1s3. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.81±1.22; $M_{\theta\theta}$2.96±.72; $M_{\phi\phi}$4.85±1.13; $M_{r\theta}$9.71±2.50; $M_{r\phi}$0.98±2.75; $M_{\theta\phi}$−9.80±1.19. Principal Axes: T 15.4,Plg16°,Azm42°; N 0.0, Plg36°,Azm300°; P −15.4,Plg50°,Azm151°. Best double couple: $M_0$1.5×10^{17}Nm, NP1: ϕ_S171°,δ43°,λ−31°. NP2:ϕ_S284°,δ70°,λ−129°.

ISC	**VI**	**01 22 10 41**±1.1	**1.1S**±.23	**15.6W**±.19	**10**	**4.1b**,3.9s	**14 13-148**
NEIC	VI	01 22 10 41.1	1.11S	15.64W	10		**¶97vi0141**
EIDC	VI	01 22 10 43.1	0.8S	15.8W	0	3.8s,3.8b	
NEIC	Less reliable solution.						

(408) Ascension Island region.

ISC	**IV**	**24 00 08 13**±2.1	**5.7S**±.14	**11.1W**±.33	**10**	**4.0b**	**9 13-73**
NEIC	IV	24 00 08 12.3	5.75S	11.18W	10	4.7b	**¶97iv4047**
EIDC	IV	24 00 08 13.4	5.7S	11.1W	0	4.0b,3.7s	
NEIC	Poor solution.						

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °

(409) South Atlantic Ocean.

ISC	**III**	**14 18 38 12.9**±.29	**25.29S**±.049	**2.71E**±.063	**10**	**5.3b,4.4s**	**242**	**15-142**
BJI	III	14 18 38 12.5	25.15S	2.45E	11	5.4s		**¶97iii2930**
MOS	III	14 18 38 12.8	25.3S	2.5E	10	5.5b		
NEIC	III	14 18 38 12.8	25.29S	2.70E	10	5.3b,4.4s		
EIDC	III	14 18 38 12.9	25.2S	3.0E	0	4.8b,4.9L		

(410) South Atlantic Ridge.

ISC	**I**	**07 04 17 02.7**±.45	**55.58S**±.078	**3.3W**±.16	**10**	**4.9b**	**39**	**15-160**
NEIC	I	07 04 17 02.8	55.55S	3.43W	10	4.9b		**¶97i0878**
EIDC	I	07 04 17 03.3	55.6S	3.5W	0	4.9b		
HRVD	I	07 04 17 09.2±.8	56.02S±.08	2.60W±.10	15			

NEIC Mw5.2(HRV), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c20; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}−0.87±.31; $M_{\theta\theta}$−5.67±.35; $M_{\phi\phi}$6.55±.33; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$−0.44±.54. Principal Axes: T 6.56,Plg0°,Azm268°; N −0.87, Plg90°,Azm180°; P −5.69,Plg0°,Azm178°. Best double couple: $M_0$6.1×10^{16}Nm, NP1: ϕ_S313°,δ90°,λ−180°. NP2:ϕ_S43°,δ90°,λ0°.

EIDC	**I**	**17 23 23 40.5**	**46.2S**	**14.2W**	**19**	**4.1b**		**35-148**
								¶97i2559
ISC	**I**	**17 23 24 10.5**±.27	**47.46S**±.057	**13.45W**±.077	**10**	**5.1b,5.6s**	**156**	**23-172**
EIDC	I	17 23 24 09.2	47.4S	13.4W	0	5.0b,5.4s		**¶97i2560**
BJI	I	17 23 24 09.7	47.74S	13.40W	8	5.9s		
NEIC	I	17 23 24 09.8	47.42S	13.45W	10	5.4b,5.7s		
MOS	I	17 23 24 10.7	47.5S	13.3W	10	5.6b		
HRVD	I	17 23 24 16.2±.1	47.37S±.03	12.99W±.03	15			

NEIC Mw5.8(HRV), Mw5.6(GS), Less reliable solution.

NEIC Moment tensor solution: s13, scale 10^{17}Nm; M_{rr}−3.41; $M_{\theta\theta}$0.25; $M_{\phi\phi}$3.14; $M_{r\theta}$−0.02; $M_{r\phi}$0.13; $M_{\theta\phi}$−0.16. Depth 5km; Principal axes: T 3.15,Plg1°,Azm267°; N 0.26,Plg0°, Azm177°; P −3.41,Plg89°,Azm75°. Best double couple: $M_0$3.3×10^{17}Nm; NP1:ϕ_S357°,δ44°, λ−90°. NP2:ϕ_S177°,δ46°,λ−90°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c75; Half duration: 1$8. Moment tensor: Scale 10^{17}Nm; M_{rr}−4.55±.08; $M_{\theta\theta}$−0.35±.12; $M_{\phi\phi}$4.90±.09; $M_{r\theta}$−0.68±.26; $M_{r\phi}$0.85±.40; $M_{\theta\phi}$−0.70±.09. Principal Axes: T 5.08,Plg6°,Azm262°; N −0.37, Plg7°,Azm171°; P −4.72,Plg81°,Azm29°. Best double couple: $M_0$4.9×10^{17}Nm, NP1:ϕ_S0°, δ40°,λ−78°. NP2:ϕ_S165°,δ51°,λ−100°.

ISC	**II**	**04 20 54 14**±1.3	**12.5S**±.28	**14.8W**±.18	**10**	**4.1b**,3.7s	**14**	**21-95**
EIDC	II	04 20 54 13.9	12.5S	14.9W	0	4.1b,3.7s		**¶97ii0595**
NEIC	II	04 20 54 14.2	12.53S	14.65W	10	4.4b		

NEIC Poor solution.

ISC	**II**	**25 19 51 04**±4.1	**49.4S**±.89	**7.9W**±.78	**10**	**4.1b**	**10**	**44-154**
NEIC	II	25 19 51 03.4	49.52S	7.78W	10	4.4b		**¶97ii3684**
EIDC	II	25 19 51 03.5	49.7S	7.6W	0	4.0b		

ISC Poorly determined

NEIC Poor solution.

ISC	**II**	**25 19 53 10.7**±.83	**50.0S**±.17	**7.8W**±.18	**10**	**4.5b**	**19**	**28-154**
NEIC	II	25 19 53 10.5	49.98S	7.83W	10	4.5b		**¶97ii3685**
EIDC	II	25 19 53 11.1	50.0S	7.8W	0	4.4b		

NEIC Less reliable solution.

EIDC	**III**	**16 14 38 59.7**	**44.6S**	**15.7W**	**0**	4.2b		**51-146**
								¶97iii3238
ISC	**III**	**16 14 43 08.3**±.89	**43.8S**±.15	**16.0W**±.20	**10**	**4.4b,4.3s**	**15**	**36-148**
NEIC	III	16 14 43 07.0	43.75S	15.84W	10	4.6b		**¶97iii3239**
EIDC	III	16 14 43 07.3	44.0S	16.0W	0	4.3s,4.3b		

NEIC Poor solution.

ISC	**IV**	**17 03 21 27.5**±.88	**49.0S**±.17	**9.6W**±.19	**10**	**4.1b,3.9s**	**15**	**36-152**
EIDC	IV	17 03 21 26.5	49.0S	9.4W	0	3.9s,4.0b		**¶97iv2846**
NEIC	IV	17 03 21 27.0	48.97S	9.72W	10	4.5b		

NEIC Less reliable solution.

ISC	**IV**	**19 14 46 59.1**±.65	**22.5S**±.18	**12.5W**±.11	**10**	**4.3b**,4.1s	**14**	**28-151**
NEIC	IV	19 14 46 58.6	22.58S	12.48W	10	4.3b		**¶97iv3210**
EIDC	IV	19 14 46 58.7	22.7S	12.5W	0	4.3b,4.5s		

NEIC Less reliable solution.

ISC	**IV**	**24 19 27 51**±1.2	**32.1S**±.23	**13.9W**±.17	**10**	**4.0b,3.7s**	**12**	**31-120**
NEIC	IV	24 19 27 50.6	32.09S	13.89W	10	4.4b		**¶97iv4198**
EIDC	IV	24 19 27 50.8	32.1S	13.9W	0	3.6s,4.0b		

NEIC Less reliable solution.

ISC	**IV**	**25 09 11 35.8**±.23	**48.33S**±.049	**10.15W**±.072	**13**	**5.2b,5.7s**	**230**	**22-164**
BJI	IV	25 09 11 33.4	48.32S	9.87W	13	6.0s		**¶97iv4314**
EIDC	IV	25 09 11 33.6	48.2S	9.9W	0	5.0b,5.5s		
NEIC	IV	25 09 11 34.6	48.34S	10.04W	10	5.3b,5.8s		
MOS	IV	25 09 11 34.9	48.3S	9.9W	10	5.6b,5.5s		
HRVD	IV	25 09 11 41.6±.1	48.19S±.03	9.41W±.03	15			

NEIC Mw5.8(HRV), Mw5.6(GS).

NEIC Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}−1.56; $M_{\theta\theta}$−0.59; $M_{\phi\phi}$2.14; $M_{r\theta}$−2.13; $M_{r\phi}$1.08; $M_{\theta\phi}$−1.29. Depth 1km; Principal axes: T 3.39,Plg22°,Azm240°; N −0.13,Plg30°, Azm137°; P −3.26,Plg52°,Azm1°. Best double couple: $M_0$3.3×10^{17}Nm; NP1:ϕ_S11°,δ35°, λ−30°. NP2:ϕ_S127°,δ73°,λ−121°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c76; Half duration: 1$8. Moment tensor: Scale 10^{17}Nm; M_{rr}−4.95±.09; $M_{\theta\theta}$−0.14±.11; $M_{\phi\phi}$5.08±.09; $M_{r\theta}$−1.39±.27; $M_{r\phi}$1.59±.41; $M_{\theta\phi}$−0.39±.10. Principal Axes: T 5.39,Plg9°,Azm264°; N 0.12, Plg13°,Azm171°; P −5.52,Plg74°,Azm30°. Best double couple: $M_0$5.4×10^{17}Nm, NP1:ϕ_S9°, δ37°,λ−69°. NP2:ϕ_S163°,δ56°,λ−105°.

ISC	**V**	**03 15 07 41.7**±.66	**28.1S**±.14	**12.2W**±.13	**10**	**4.0b,3.9s**	**15**	**33-145**
NEIC	V	03 15 07 41.0	28.22S	12.14W	10	4.2b		**¶97v0451**
EIDC	V	03 15 07 41.8	28.1S	12.1W	0	3.9s,3.9b		

NEIC Less reliable solution.

ISC	**V**	**03 23 22 09.3**±.44	**22.51S**±.080	**10.70W**±.085	**10**	**4.5b,3.8s**	**48**	**29-129**
NEIC	V	03 23 22 08.9	22.54S	10.70W	10	4.5b		**¶97v0515**
EIDC	V	03 23 22 09.5	22.6S	10.7W	0	4.2b,3.8s		

NEIC Less reliable solution.

ISC	**V**	**03 23 32 31.8**±.41	**22.49S**±.077	**10.67W**±.080	**10**	**5.0b**,4.1s	**109**	**29-150**
NEIC	V	03 23 32 31.2	22.56S	10.65W	10	5.0b		**¶97v0519**
EIDC	V	03 23 32 31.2	22.5S	10.7W	0	4.7b		
MOS	V	03 23 32 31.5	22.5S	10.7W	10	5.1b		
ISC	**V**	**11 11 12 04.6**±.67	**39.4S**±.13	**16.1W**±.15	**10**	**4.2b,4.0s**	**18**	**35-152**
NEIC	V	11 11 12 04.2	39.46S	16.03W	10	4.7b		**¶97v1773**
EIDC	V	11 11 12 04.5	39.5S	16.0W	0	3.8b,4.0s		

NEIC Less reliable solution.

NEIC	**V**	**19 02 59 54.1**	**43.90S**	**16.38W**	**10**	4.5b		**37-146**
EIDC	V	19 02 59 54.2	44.1S	16.4W	0	4.1b,4.3s		**¶97v3182**

NEIC Poor solution.

EIDC	**V**	**19 04 24 47.5**	**47.9S**	**10.0W**	**0**	**4.0s,4.2b**		**33-152**
								¶97v3194
ISC	**V**	**19 04 57 45.3**±.90	**43.8S**±.14	**16.0W**±.23	**10**	**4.2b,4.6s**	**15**	**38-148**
EIDC	V	19 04 57 44.3	43.7S	15.8W	0	4.4s,4.0b		**¶97v3201**
NEIC	V	19 04 57 44.5	43.77S	15.86W	10	4.6b		
ISC	**V**	**23 07 44 00.8**±.77	**22.5S**±.16	**12.6W**±.12	**10**	**4.3b,3.9s**	**18**	**28-151**
NEIC	V	23 07 44 01.2	22.53S	12.57W	10	4.6b		**¶97v3912**
EIDC	V	23 07 44 01.7	22.5S	12.6W	0	3.8s,4.2b		

NEIC Less reliable solution.

ISC	**V**	**24 16 11 47.8**±.67	**48.1S**±.14	**10.0W**±.16	**10**	**4.3b,4.0s**	**16**	**28-152**
NEIC	V	24 16 11 47.7	48.13S	9.95W	10	4.5b		**¶97v4136**
EIDC	V	24 16 11 48.2	48.1S	10.1W	0	4.3b,3.9s		

NEIC Less reliable solution.

ISC	**V**	**25 12 32 23.6**±.92	**43.6S**±.16	**16.2W**±.23	**10**	**4.0b,3.8s**	**12**	**37-148**
NEIC	V	25 12 32 23.5	43.59S	16.24W	10	4.6b		**¶97v4273**
EIDC	V	25 12 32 24.2	43.5S	16.3W	0	3.9b,3.8s		

NEIC Less reliable solution.

ISC	**V**	**29 06 33 40.8**±.55	**16.8S**±.11	**14.5W**±.11	**10**	**4.3b**,4.1s	**25**	**25-141**
EIDC	V	29 06 33 40.1	17.0S	14.4W	0	4.2b		**¶97v4832**
NEIC	V	29 06 33 40.5	16.74S	14.50W	10	4.5b,4.1s		

NEIC Less reliable solution.

ISC	**V**	**31 04 15 42**±1.2	**46.0S**±.21	**14.0W**±.28	**10**	**3.9b,3.9s**	**10**	**40-149**
EIDC	V	31 04 15 43.5	46.0S	14.4W	0	3.9s,3.9b		**¶97v5147**
ISC	**VI**	**01 20 02 12.6**±.72	**17.0S**±.13	**14.2W**±.15	**10**	**4.4b**,3.9s	**15**	**25-129**
NEIC	VI	01 20 02 12.4	17.05S	14.09W	10	5.0b		**¶97vi0128**
EIDC	VI	01 20 02 12.6	17.1S	14.0W	0	4.2b		

NEIC Less reliable solution.

EIDC	**VI**	**19 11 37 19.2**	**46.4S**	**11.1W**	**0**	**3.6s,4.0b**		**24-150**
								¶97vi2914
ISC	**VI**	**24 12 06 52.4**±.33	**22.55S**±.058	**10.69W**±.090	**10**	**4.7b,4.4s**	**67**	**29-150**
EIDC	VI	24 12 06 51.9	22.6S	10.7W	0	4.5b		**¶97vi3706**
MOS	VI	24 12 06 52.0	22.5S	10.7W	10	5.0b		
NEIC	VI	24 12 06 52.0	22.60S	10.65W	10	4.8b,4.4s		

(412) Bouvet Island region.

ISC	**I**	**10 13 49 42**±1.5	**54.1S**±.42	**1.7W**±.63	**10**	**4.6b**	**15**	**24-154**
EIDC	I	10 13 49 40.6	54.6S	2.7W	0	4.3b		**¶97i1369**
NEIC	I	10 13 49 41.6	54.07S	1.87W	10	4.9b		

NEIC Poor solution.

ISC	**I**	**30 12 57 57**±1.0	**54.1S**±.15	**5.4E**±.39	**10**	**4.4b**	**10**	**18-156**
NEIC	I	30 12 57 56.9	54.08S	5.34E	10	4.8b		**¶97i4488**
EIDC	I	30 12 57 57.0	54.3S	5.4E	0	4.3b		

NEIC Less reliable solution.

ISC	**III**	**06 03 33 56.3**±.83	**55.3S**±.13	**1.7W**±.31	**10**	**4.2b**	**12**	**35-146**
NEIC	III	06 03 33 56.1	55.28S	1.69W	10	4.4b		**¶97iii1179**
EIDC	III	06 03 33 56.2	55.4S	1.6W	0	4.1b		

NEIC Less reliable solution.

ISC	**III**	**09 09 04 39.1**±.44	**53.87S**±.061	**1.6W**±.16	**10**	**4.8b**	**35**	**17-160**
BJI	III	09 09 04 38.6	53.80S	1.50W	10			**¶97iii1937**
NEIC	III	09 09 04 38.6	53.88S	1.56W	10	4.9b		
EIDC	III	09 09 04 41.2	53.9S	1.6W	15	4.6b		

NEIC Less reliable solution.

EIDC	**IV**	**12 14 28 18.2**	**54.0S**	**6.7E**	**0**	**4.1b**		**29-163**
								¶97iv2079
ISC	**V**	**30 20 35 28.4**±.43	**54.14S**±.071	**6.1E**±.14	**10**	**4.8b,5.0s**	**83**	**18-165**
MOS	V	30 20 35 27.5	54.1S	6.3E	10	5.2b,4.9s		**¶97v5094**
NEIC	V	30 20 35 28.2	54.10S	6.05E	10	5.1b,5.0s		
EIDC	V	30 20 35 28.3	54.1S	6.2E	0	4.6b,4.7s		
HRVD	V	30 20 35 36.0±.2	54.18S±.02	6.83E±.03	15			

NEIC Mw5.6(HRV), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c95; Half duration: 1$5. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.31±.04; $M_{\theta\theta}$2.99±.05; $M_{\phi\phi}$−2.67±.04; $M_{r\theta}$1.26±.15; $M_{r\phi}$−0.80±.16; $M_{\theta\phi}$0.26±.05. Principal Axes: T 3.41,Plg19°,Azm0°; N −0.42, Plg63°,Azm130°; P −2.99,Plg19°,Azm263°. Best double couple: $M_0$3.2×10^{17}Nm, NP1: ϕ_S42°,δ63°,λ−179°. NP2:ϕ_S312°,δ89°,λ−27°.

(413) South-west of Africa.

ISC	**II**	**08 22 01 58.1**±.73	**52.7S**±.13	**18.4E**±.26	**10**	**4.3b**,3.8s	**18**	**20-166**
EIDC	II	08 22 01 57.2	52.9S	18.6E	0	4.1b,3.8s		**¶97ii1216**
NEIC	II	08 22 01 57.7	52.72S	18.42E	10	4.4b		

NEIC Poor solution.

ISC	**II**	**09 03 08 26.7**±.42	**52.66S**±.079	**18.3E**±.17	**10**	**4.7b,4.7s**	**43**	**20-154**
NEIC	II	09 03 08 25.9	52.56S	18.51E	10	4.8b		**¶97ii1245**
EIDC	II	09 03 08 32.4	52.8S	18.4E	47	4.3b,4.6s		

NEIC Less reliable solution.

ISC	**II**	**27 20 22 55.4**±.42	**52.24S**±.087	**16.7E**±.17	**10**	**4.7b**	**37**	**20-165**
EIDC	II	27 20 22 54.6	52.4S	16.8E	0	4.6b		**¶97ii4003**
NEIC	II	27 20 22 55.2	52.20S	16.79E	10	4.9b		
MOS	II	27 20 22 55.6	52.0S	17.3E	10	5.2b		

NEIC Less reliable solution.

ISC	**VI**	**05 10 33 15.7**±.52	**52.29S**±.080	**13.7E**±.19	**10**	**4.4b,3.9s**	**21**	**21-152**
NEIC	VI	05 10 33 15.3	52.24S	13.76E	10	4.6b		**¶97vi0751**
EIDC	VI	05 10 33 15.4	52.4S	13.6E	0	4.3b,3.9s		

NEIC Less reliable solution.

ISC	**VI**	**13 08 07 11.7**±.44	**53.18S**±.064	**9.4E**±.16	**10**	**4.8b,4.5s**	**30**	**19-163**
NEIC	VI	13 08 07 11.5	53.13S	9.37E	10	5.0b,4.4s		**¶97vi1952**
EIDC	VI	13 08 07 15.8	53.2S	9.2E	25	4.4b		
HRVD	VI	13 08 07 18.9±.8	52.97S±.09	10.24E±.17	15			

NEIC Mw5.1(HRV), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s22,c24; Half duration: 1$0. Moment tensor: Scale 10^{16}Nm; M_{rr}−0.49±.24; $M_{\theta\theta}$5.32±.25; $M_{\phi\phi}$−4.83±.26; $M_{r\theta}$2.34±1.27; $M_{r\phi}$1.56±1.60; $M_{\theta\phi}$−0.09±.48. Principal Axes: T 6.16,Plg20°,Azm358°; N −0.77,Plg61°,Azm226°; P −5.40,Plg20°,Azm95°. Best double couple: $M_0$5.8×10^{16}Nm, NP1: ϕ_S136°,δ61°,λ0°. NP2:ϕ_S46°,δ90°,λ151°.

SEISMIC REGION 33.
INDIAN OCEAN.

(415) Eastern Gulf of Aden.

ISC	**III**	**05 19 12 36.0**±.87	**14.6N**±.17	**52.3E**±.13	**10**	**4.1b**	**12**	**22-88**
NEIC	III	05 19 12 36.0	14.64N	52.33E	10			**¶97iii1118**
EIDC	III	05 19 12 38.8	14.6N	52.3E	15	3.9b		

NEIC Single network solution.

EIDC	**III**	**19 15 18 06.4**	**14.0N**	**49.1E**	**0**	**3.9b**		**48-91**
								¶97iii3724
ISC	**III**	**19 16 34 24**±5.7	**13.28N**±.068	**50.01E**±.076	**25**±41	**4.4b**,4.4s	**44**	**16-131**
BJI	III	19 16 34 20.8	13.02N	49.91E	15	4.7b		**¶97iii3731**
NEIC	III	19 16 34 21.5	13.28N	50.06E	10	4.7b		
EIDC	III	19 16 34 21.5	13.2N	50.1E	0	4.2b		
MOS	III	19 16 34 21.9	13.3N	50.1E	10	4.9b		

ISC	**III**	**19 17 20 51.4**±.85	**13.3N**±.18	**50.0E**±.14	**10**	**4.1b**	**12**	**46-131**
NEIC	III	19 17 20 51.7	13.37N	50.05E	10	4.2b		**¶97iii3738**
EIDC	III	19 17 20 54.4	13.2N	50.1E	17	3.9b		
NEIC	Poor solution.							
ISC	**VI**	**07 11 22 03.3**±.43	**13.93N**±.069	**51.69E**±.038	**39**±2.3*	**4.9b,4.9s**	**231**	**20-131**
MOS	VI	07 11 22 01.9	13.8N	51.7E	33	5.3b,4.8s		**¶97vi1089**
BJI	VI	07 11 22 02.0	13.65N	51.55E	45	4.9b,4.9s		
NEIC	VI	07 11 22 03.1	14.06N	51.69E	33	5.0b,4.9s		
EIDC	VI	07 11 22 04.8	13.9N	51.7E	37	4.5b,4.3s		
HRVD	VI	07 11 22 06.3±.4	14.43N±.05	51.72E±.03	15			
NEIC	Mw5.4(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c75; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.08±.03; $M_{\theta\theta}$1.10±.04; $M_{\phi\phi}$−1.02±.04; $M_{r\theta}$0.24±.15; $M_{r\phi}$0.00±.15; $M_{\theta\phi}$0.94±.04. Principal Axes: T 1.49,Plg8°,Azm339°; N −0.11, Plg81°,Azm134°; P −1.38,Plg4°,Azm249°. Best double couple: $M_0$1.4×10^{17}Nm, NP1:ϕ_S24°, δ81°,λ177°. NP2:ϕ_S114°,δ87°,λ9°.

ISC	**VI**	**12 14 16 41.1**±.87	**12.7N**±.17	**48.28E**±.095	**10**	**4.0b**	**16**	**3-91**
EIDC	VI	12 14 16 41.1	12.6N	48.3E	0	3.9b		**¶97vi1857**
NEIC	VI	12 14 16 41.4	12.75N	48.34E	10	4.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**12 14 28 23.2**±.90	**12.6N**±.17	**48.20E**±.090	**10**	**4.0b**	**15**	**3-91**
NEIC	VI	12 14 28 23.8	12.70N	48.29E	10			**¶97vi1858**
EIDC	VI	12 14 28 24.1	12.7N	48.3E	0	3.9b		
MOS	VI	12 14 28 25.0	13.1N	48.9E	10	4.7b		
NEIC	Poor solution.							

(417) Arabian Sea.

ISC	**V**	**24 18 53 46.4**±.83	**12.5N**±.16	**57.9E**±.10	**10**	**4.0b**,3.7s	**18**	**21-82**
EIDC	V	24 18 53 46.2	12.5N	58.0E	0	3.9b,3.8s		**¶97v4157**
MOS	V	24 18 53 46.3	12.3N	57.9E	10	5.0b		
NEIC	V	24 18 53 46.4	12.56N	57.87E	10	4.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**06 18 30 29.6**±.94	**12.8N**±.17	**57.5E**±.15	**10**	**3.7b**	**10**	**33-134**
NEIC	VI	06 18 30 29.5	12.83N	57.47E	10			**¶97vi0972**
EIDC	VI	06 18 30 29.8	12.6N	57.5E	0	3.7b,3.7s		
NEIC	Single network solution.							

(420) North Indian Ocean.

EIDC	**II**	**03 08 19 34.9**	**3.3N**	**89.0E**	**38**	3.5b		**18-51**
								¶97ii0344

(421) Carlsberg Ridge.

ISC	**III**	**02 20 52 12.4**±.87	**9.9N**±.17	**57.3E**±.11	**10**	**4.1b**,4.4s	**13**	**22-82**
NEIC	III	02 20 52 12.5	9.96N	57.30E	10	4.4b,4.4s		**¶97iii0403**
EIDC	III	02 20 52 16.7	9.9N	57.3E	25	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**13 18 09 09.6**±.54	**4.3N**±.12	**62.6E**±.10	**10**	**4.4b,3.9s**	**20**	**27-144**
NEIC	III	13 18 09 09.7	4.32N	62.62E	10	4.6b		**¶97iii2747**
EIDC	III	13 18 09 10.2	4.3N	62.6E	0	4.3b,4.0s		
NEIC	Less reliable solution.							
ISC	**IV**	**08 21 18 44.4**±.42	**2.14S**±.080	**68.10E**±.066	**10**	**4.7b,3.8s**	**68**	**22-152**
MOS	IV	08 21 18 40.7	2.4S	67.5E	10	5.0b		**¶97iv1407**
BJI	IV	08 21 18 45.3	2.37S	67.95E	30	5.0b		
NEIC	IV	08 21 18 46.0	2.14S	68.12E	22	4.8b		
EIDC	IV	08 21 18 47.6	2.3S	68.0E	21	4.4b,3.7s		
ISC	**IV**	**08 21 50 01**±2.9	**2.3S**±.32	**67.3E**±.51	**10**	**3.9b**	**8**	**37-152**
EIDC	IV	08 21 50 04.2	2.3S	67.7E	0	3.8b		**¶97iv1414**
EIDC	**IV**	**08 21 54 14.6**	**2.9S**	**68.4E**	**0**	4.2b		**37-153**
								¶97iv1415
ISC	**IV**	**09 07 59 48.9**±.98	**2.1S**±.19	**68.0E**±.22	**10**	**4.1b**	**9**	**48-152**
NEIC	IV	09 07 59 49.7	2.21S	68.13E	10			**¶97iv1481**
EIDC	IV	09 07 59 49.9	2.4S	68.1E	0	4.0b,3.4s		
NEIC	Poor solution.							
ISC	**IV**	**13 05 33 20.7**±.65	**0.8S**±.16	**67.6E**±.13	**10**	**4.1b**,4.0s	**14**	**36-150**
NEIC	IV	13 05 33 20.8	0.77S	67.63E	10			**¶97iv2196**
EIDC	IV	13 05 33 24.0	0.8S	67.7E	17	3.8b,3.8s		
NEIC	Less reliable solution.							
ISC	**IV**	**17 16 19 17.9**±.93	**10.1N**±.19	**57.2E**±.15	**10**	**3.7b**	**9**	**39-82**
EIDC	IV	17 16 19 17.2	9.8N	57.2E	0	3.7b		**¶97iv2933**
NEIC	IV	17 16 19 17.8	10.14N	57.18E	10			
NEIC	Poor solution.							
ISC	**IV**	**28 01 47 32**±1.0	**0.4N**±.20	**66.9E**±.21	**10**	**3.9b**	**7**	**36-149**
EIDC	IV	28 01 47 32.3	0.4N	66.9E	0	3.8b		**¶97iv4825**
ISC	**V**	**16 23 43 20.3**±.66	**8.5N**±.11	**58.4E**±.11	**10**	**4.2b**,4.3s	**39**	**38-139**
MOS	V	16 23 43 19.9	8.6N	58.5E	10	4.8b		**¶97v2848**
NEIC	V	16 23 43 20.4	8.57N	58.42E	10	4.5b		
EIDC	V	16 23 43 20.5	8.4N	58.4E	0	4.1b,4.0s		
NEIC	Less reliable solution.							
ISC	**V**	**17 00 26 14.7**±.31	**8.41N**±.056	**58.40E**±.035	**10**	**4.9b,4.9s**	**281**	**17-139**
MOS	V	17 00 26 13.7	8.2N	58.4E	10	5.3b,4.8s		**¶97v2855**
BJI	V	17 00 26 14.1	8.01N	58.32E	29	5.0b,5.1s		
NEIC	V	17 00 26 14.6	8.42N	58.40E	10	5.1b,5.0s		
HRVD	V	17 00 26 15.9±.5	8.48N±.07	58.16E±.06	15			
EIDC	V	17 00 26 17.6	8.4N	58.4E	18	4.4b,4.5s		
NEIC	Mw5.3(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c39; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−8.60±.32; $M_{\theta\theta}$5.64±.50; $M_{\phi\phi}$2.96±.62; $M_{r\theta}$−0.52±2.08; $M_{r\phi}$−1.02±1.68; $M_{\theta\phi}$−3.83±.34. Principal Axes: T 8.36,Plg1°,Azm35°; N 0.38,Plg7°,Azm125°; P −8.74,Plg83°,Azm301°. Best double couple: $M_0$8.6×10^{16}Nm, NP1: ϕ_S118°,δ45°,λ−100°. NP2:ϕ_S312°,δ46°,λ−80°.

ISC	**V**	**17 01 15 38**±1.0	**8.7N**±.19	**58.6E**±.12	**10**	**4.2b**,3.5s	**20**	**21-80**
NEIC	V	17 01 15 38.3	8.72N	58.62E	10			**¶97v2862**
BJI	V	17 01 15 39.3	8.70N	58.60E	10			
EIDC	V	17 01 15 41.2	8.6N	58.5E	16	3.9b,3.6s		
NEIC	Poor solution.							
ISC	**V**	**26 11 14 36.9**±.33	**5.76N**±.059	**61.19E**±.045	**10**	**4.7b,4.5s**	**95**	**18-131**
MOS	V	26 11 14 33.0	5.1N	61.3E	10	5.2b,4.7s		**¶97v4405**
BJI	V	26 11 14 37.0	5.90N	61.20E	10	4.9b,4.9s		
NEIC	V	26 11 14 37.0	5.89N	61.23E	10	4.8b		
EIDC	V	26 11 14 46.2	5.7N	61.2E	70	4.0b		
ISC	**V**	**26 12 22 22**±1.3	**6.5N**±.57	**59.2E**±.20	**10**	**4.0b**	**4**	**41-79**
EIDC	V	26 12 22 22.2	6.5N	59.2E	0	4.0b		**¶97v4410**
ISC	Poorly determined							

(425) South Indian Ocean.

ISC	**I**	**05 01 33 35**±4.5	**26.0S**±.48	**69.1E**±.89	**10**	**4.0b**	**5**	**53-143**
NEIC	I	05 01 33 33.8	26.07S	68.93E	10			**¶97i0606**
EIDC	I	05 01 33 34.5	26.1S	68.9E	0	3.9b		
ISC	Poorly determined							
NEIC	Poor solution.							
EIDC	**I**	**11 06 08 11.7**	**33.5S**	**58.6E**	**29**	3.3b		**66-151**
								¶97i1476
EIDC	**I**	**13 15 40 32.5**	**28.1S**	**64.9E**	**0**	3.6b		**57-146**
								¶97i1861
ISC	**I**	**15 22 10 52.9**±.30	**2.31S**±.052	**85.11E**±.053	**10**	**4.8b**,4.3s	**100**	**17-152**
BJI	I	15 22 10 52.3	2.30S	85.11E	11	4.9b,4.8s		**¶97i2216**
EIDC	I	15 22 10 52.4	2.4S	85.0E	0	4.6b		
NEIC	I	15 22 10 52.8	2.23S	85.11E	10	4.8b,4.3s		
EIDC	**I**	**20 15 48 31.6**	**35.8S**	**55.5E**	**24**	**3.4b**		**68-153**
								¶97i3033
EIDC	**I**	**22 09 43 08.9**	**23.9S**	**74.3E**	**0**	**3.6b**		**48-141**
								¶97i3305
ISC	**I**	**26 01 32 28.6**±.87	**20.6S**±.20	**74.6E**±.15	**10**	**4.3b**	**10**	**45-138**
BJI	I	26 01 32 24.3	21.65S	74.98E	20	4.6b		**¶97i3870**
NEIC	I	26 01 32 29.0	20.59S	74.64E	10	4.4b		
EIDC	I	26 01 32 32.0	20.8S	74.5E	19	4.0b		
NEIC	Less reliable solution.							
ISC	**II**	**03 15 08 07**±1.5	**36.2S**±.25	**53.2E**±.37	**10**	**4.1b**,4.6s	**13**	**17-153**
NEIC	II	03 15 08 07.3	35.89S	53.36E	10	4.3b		**¶97ii0392**
EIDC	II	03 15 08 07.7	35.8S	53.4E	0	4.0b,4.2s		
NEIC	Poor solution.							
EIDC	**II**	**03 19 11 48.2**	**29.1S**	**72.3E**	**0**	**3.7b**		**54-57**
								¶97ii0413
ISC	**II**	**04 18 30 30**±2.0	**28.0S**±.46	**65.4E**±.30	**10**	**3.7b**	**5**	**56-145**
EIDC	II	04 18 30 30.6	28.1S	65.3E	0	3.6b		**¶97ii0580**
ISC	Poorly determined							
EIDC	**II**	**04 19 36 41.6**	**39.6S**	**39.7E**	**0**	**3.9b**		**31-81**
								¶97ii0589
EIDC	**II**	**05 12 01 47.5**	**29.3S**	**64.5E**	**0**	3.7b		**58-147**
								¶97ii0685
ISC	**II**	**05 16 18 23**±1.4	**27.9S**±.35	**65.6E**±.23	**10**	**3.9b**	**8**	**56-145**
NEIC	II	05 16 18 22.5	27.95S	65.58E	10			**¶97ii0719**
EIDC	II	05 16 18 23.5	27.9S	65.6E	0	3.8b		
NEIC	Poor solution.							
EIDC	**II**	**05 20 36 01.9**	**28.4S**	**65.8E**	**0**	3.7b		**57-146**
								¶97ii0746
EIDC	**II**	**08 05 12 10.6**	**28.8S**	**68.1E**	**0**	**3.5b**		**58-60**
								¶97ii1097
ISC	**II**	**08 08 08 46**±1.5	**27.8S**±.37	**65.5E**±.26	**10**	**4.0b**	**8**	**56-153**
NEIC	II	08 08 08 46.1	27.82S	65.49E	10			**¶97ii1114**
EIDC	II	08 08 08 46.6	27.9S	65.5E	0	3.9b		
NEIC	Poor solution.							
ISC	**II**	**10 03 33 27.9**±.46	**26.8S**±.12	**83.64E**±.078	**10**	**4.8b**	**30**	**34-173**
NEIC	II	10 03 33 26.8	26.38S	83.64E	10	5.0b		**¶97ii1406**
MOS	II	10 03 33 28.5	26.4S	83.9E	10	5.2b		
BJI	II	10 03 33 28.8	26.40S	83.60E	10	4.9b		
EIDC	II	10 03 33 50.0	26.7S	83.7E	199	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**17 04 18 05**±1.7	**37.1S**±.51	**51.8E**±.26	**10**	**4.0b**	**7**	**24-158**
EIDC	II	17 04 18 05.3	37.1S	51.8E	0	3.9b		**¶97ii2451**
ISC	Poorly determined							
ISC	**II**	**17 11 07 45**±1.3	**28.8S**±.26	**65.3E**±.25	**10**	**4.2b**	**4**	**35-61**
EIDC	II	17 11 07 45.4	28.8S	65.3E	0	4.2b		**¶97ii2480**
ISC	Poorly determined							
ISC	**III**	**05 01 27 13.5**±.70	**12.5S**±.17	**86.9E**±.13	**10**	**4.2b**	**15**	**39-147**
NEIC	III	05 01 27 13.5	12.44S	86.91E	10	4.3b		**¶97iii0956**
EIDC	III	05 01 27 16.4	12.6S	86.9E	16	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**04 10 25 33.5**±.34	**14.26S**±.073	**62.72E**±.053	**10**	**4.7b,4.0s**	**84**	**15-160**
BJI	IV	04 10 25 32.2	14.31S	62.69E	8	4.9b,4.9s		**¶97iv0595**
MOS	IV	04 10 25 32.6	14.4S	62.6E	10	5.0b		
NEIC	IV	04 10 25 32.7	14.39S	62.59E	10	4.9b		
EIDC	IV	04 10 25 36.6	14.4S	62.6E	23	4.3b,3.9s		
EIDC	**IV**	**12 09 56 05.7**	**27.5S**	**65.7E**	**0**	**3.4b**		**56-171**
								¶97iv2049
ISC	**IV**	**12 11 43 08.6**±.61	**27.7S**±.14	**65.7E**±.13	**10**	**4.1b,3.9s**	**12**	**39-145**
EIDC	IV	12 11 43 08.3	27.7S	65.6E	0	4.1b,3.7s		**¶97iv2060**
NEIC	IV	12 11 43 08.4	27.66S	65.67E	10			
NEIC	Less reliable solution.							
ISC	**IV**	**12 12 21 48**±2.0	**27.5S**±.22	**65.4E**±.50	**10**	**4.0b**,4.0s	**6**	**56-145**
NEIC	IV	12 12 21 47.2	27.56S	65.29E	10			**¶97iv2065**
EIDC	IV	12 12 21 48.4	27.5S	65.2E	0	3.8b,3.7s		
NEIC	Poor solution.							
EIDC	**IV**	**12 13 00 17.3**	**28.2S**	**65.5E**	**0**	**3.9b**,3.6s		**57-146**
								¶97iv2070
ISC	**IV**	**12 13 26 20.7**±.97	**27.7S**±.22	**65.6E**±.23	**10**	**4.2b**,3.9s	**8**	**56-164**
NEIC	IV	12 13 26 20.4	27.68S	65.62E	10			**¶97iv2073**
EIDC	IV	12 13 26 21.0	27.7S	65.6E	0	4.1b,3.8s		
NEIC	Poor solution.							
ISC	**IV**	**12 14 07 32**±2.0	**27.8S**±.46	**65.6E**±.30	**10**	**4.1b**,3.1s	**6**	**56-154**
EIDC	IV	12 14 07 32.9	28.0S	65.7E	0	4.0b,3.1s		**¶97iv2078**
ISC	Poorly determined							
ISC	**IV**	**12 15 45 22**±5.1	**28.0S**±.63	**65.5E**±.99	**10**	**3.9b**	**5**	**56-145**
EIDC	IV	12 15 45 23.2	27.9S	65.7E	0	3.9b		**¶97iv2093**
ISC	Poorly determined							
ISC	**IV**	**12 18 42 26.8**±.76	**27.7S**±.17	**65.7E**±.18	**10**	**4.4b**,3.8s	**17**	**56-164**
BJI	IV	12 18 42 22.7	28.53S	65.88E	12	4.7b		**¶97iv2107**
EIDC	IV	12 18 42 26.9	27.8S	65.6E	0	4.2b,3.6s		
NEIC	IV	12 18 42 27.1	27.70S	65.68E	10	4.7b		
NEIC	Poor solution.							
EIDC	**IV**	**12 19 27 39.4**	**27.6S**	**65.9E**	**0**	**4.0b**		**56-145**
								¶97iv2113
ISC	**IV**	**12 19 48 20**±2.0	**27.9S**±.46	**65.7E**±.30	**10**	**3.8b**	**5**	**56-145**
EIDC	IV	12 19 48 20.5	28.0S	65.6E	0	3.7b		**¶97iv2118**
ISC	Poorly determined							
ISC	**IV**	**12 19 58 28.2**±.61	**27.7S**±.13	**65.7E**±.16	**10**	**4.3b,3.8s**	**16**	**36-153**
NEIC	IV	12 19 58 28.0	27.64S	65.70E	10	4.6b		**¶97iv2120**
EIDC	IV	12 19 58 28.1	27.7S	65.6E	0	4.2b,3.8s		
MOS	IV	12 19 58 28.5	27.7S	65.4E	10	4.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**12 20 30 20**±1.0	**27.7S**±.21	**65.7E**±.25	**10**	**4.4b**,3.9s	**8**	**56-164**
NEIC	IV	12 20 30 19.6	27.74S	65.65E	10			**¶97iv2124**
EIDC	IV	12 20 30 20.2	27.8S	65.7E	0	4.2b,3.4s		
NEIC	Poor solution.							
ISC	**IV**	**30 09 21 15.0**±.45	**26.1S**±.11	**68.8E**±.11	**10**	**4.5b**	**32**	**39-163**
EIDC	IV	30 09 21 14.5	26.0S	68.7E	0	4.5b		**¶97iv5191**
MOS	IV	30 09 21 14.6	26.1S	68.7E	10	4.8b		
NEIC	IV	30 09 21 14.8	26.04S	68.79E	10	4.7b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
BJI	IV	30 09 21 17.6	25.22S	68.72E	5	4.5b		
NEIC	Less reliable solution.							
ISC	**V**	**01 18 23 40.0**±.54	**2.0S**±.12	**55.58E**±.099	**10**	**4.3b**	**33**	**38-146**
NEIC	V	01 18 23 40.2	1.98S	55.57E	10	4.5b		**¶97v0136**
EIDC	V	01 18 23 40.4	2.3S	55.7E	0	3.9b		
NEIC	Less reliable solution.							
EIDC	**V**	**17 11 31 01.7**	**29.1S**	**73.0E**	**0**	**3.2s**,3.5b		**54-146**
								¶97v2920
EIDC	**V**	**25 06 00 40.8**	**27.7S**	**65.7E**	**0**	3.8b		**56-145**
								¶97v4225
ISC	**VI**	**07 10 45 51.6**±.89	**26.1S**±.22	**71.0E**±.16	**10**	**3.9b**	**6**	**40-65**
NEIC	VI	07 10 45 51.5	26.19S	71.02E	10	4.6b		**¶97vi1084**
EIDC	VI	07 10 45 51.9	26.2S	70.9E	0	3.8b		
NEIC	Less reliable solution.							

(426) Chagos Archipelago region.

ISC	**I**	**02 07 48 38.0**±.94	**3.1S**±.18	**68.7E**±.17	**10**	**4.0b**,3.5s	**11**	**37-153**
NEIC	I	02 07 48 38.1	3.06S	68.79E	10			**¶97i0174**
EIDC	I	02 07 48 43.2	3.7S	69.4E	0	3.8b,3.4s		
NEIC	Poor solution.							
ISC	**I**	**16 13 37 44**±1.1	**7.0S**±.13	**72.1E**±.20	**10**	**4.3b**	**21**	**21-157**
BJI	I	16 13 37 44.2	6.90S	72.10E	10	4.3b		**¶97i2319**
NEIC	I	16 13 37 44.2	6.90S	72.10E	10	4.4b		
EIDC	I	16 13 37 47.5	7.0S	72.1E	18	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**19 12 15 09**±1.6	**7.5S**±.19	**69.1E**±.30	**10**	**4.4b**,3.2s	**20**	**23-151**
NEIC	IV	19 12 15 07.8	7.64S	69.00E	10	4.5b		**¶97iv3196**
EIDC	IV	19 12 15 11.9	7.6S	69.1E	20	3.4s,4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 06 32 30.1**±.43	**4.9S**±.11	**68.55E**±.093	**10**	**4.4b,4.7s**	**37**	**24-155**
BJI	IV	21 06 32 27.4	5.45S	68.56E	10	4.7b,5.4s		**¶97iv3416**
NEIC	IV	21 06 32 29.7	4.95S	68.48E	10	4.7b,4.6s		
EIDC	IV	21 06 32 29.9	5.1S	68.4E	0	4.3s,4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**05 22 46 37.6**±.84	**4.7S**±.14	**69.0E**±.12	**10**	**4.2b,4.2s**	**30**	**20-146**
NEIC	V	05 22 46 37.7	4.57S	69.05E	10	4.9b		**¶97v0862**
BJI	V	05 22 46 38.7	4.60S	69.10E	10	4.8b		
MOS	V	05 22 46 38.9	5.1S	68.9E	10	5.2b		
EIDC	V	05 22 46 40.6	4.7S	69.1E	16	3.9b,3.9s		
NEIC	Less reliable solution.							
ISC	**VI**	**20 02 00 36.2**±.59	**5.5S**±.11	**68.80E**±.098	**10**	**4.4b,4.0s**	**42**	**25-155**
BJI	VI	20 02 00 34.6	5.66S	68.30E	17	4.6b,4.9s		**¶97vi2989**
EIDC	VI	20 02 00 36.2	5.5S	68.7E	0	4.1b,3.9s		
NEIC	VI	20 02 00 36.8	5.42S	68.81E	10	4.8b		
MOS	VI	20 02 00 38.5	5.1S	68.9E	10	4.8b		
NEIC	Less reliable solution.							

(427) Mascarene Islands region.

ISC	**V**	**31 06 36 36**±3.3	**18.3S**±.30	**66.1E**±.64	**10**	**4.2b**,4.0s	**5**	**49-73**
EIDC	V	31 06 36 35.9	18.4S	66.1E	0	4.0b,3.8s		**¶97v5160**

(428) Atlantic-Indian Ridge.

EIDC	**I**	**06 10 32 29.0**	**30.3S**	**60.6E**	**0**	**4.0b**		**61-148**
								¶97i0774
EIDC	**I**	**12 14 22 47.9**	**29.0S**	**62.1E**	**0**	3.8b		**59-146**
								¶97i1693
ISC	**I**	**20 18 02 47**±1.1	**37.2S**±.19	**47.9E**±.21	**10**	**4.3b**	**21**	**50-152**
NEIC	I	20 18 02 46.8	37.18S	47.90E	10			**¶97i3055**
EIDC	I	20 18 02 47.2	37.2S	48.0E	0	4.0b		
NEIC	Poor solution.							
ISC	**I**	**21 14 32 37**±2.2	**34.7S**±.58	**54.4E**±.44	**10**	**4.2b**	**6**	**52-151**
EIDC	I	21 14 32 37.5	34.7S	54.4E	0	4.1b		**¶97i3194**
ISC	Poorly determined							
EIDC	**I**	**27 06 44 06.0**	**33.8S**	**57.7E**	**0**	**3.8b**		**17-151**
								¶97i4058
ISC	**II**	**04 15 05 43**±2.3	**28.0S**±.48	**65.0E**±.43	**10**	**3.8b**	**6**	**57-145**
NEIC	II	04 15 05 41.7	28.13S	64.77E	10			**¶97ii0553**
EIDC	II	04 15 05 47.2	28.0S	64.9E	25	3.7b		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**II**	**28 14 28 51.1**±.48	**36.30S**±.086	**52.7E**±.11	**10**	**4.7b**,4.5s	**45**	**17-168**
EIDC	II	28 14 28 50.7	36.1S	52.6E	0	4.5b,4.5s		**¶97ii4269**
BJI	II	28 14 28 51.4	36.10S	52.70E	10	5.2b		
NEIC	II	28 14 28 51.4	36.09S	52.72E	10	4.9b		
NEIC	Less reliable solution.							
EIDC	**III**	**11 18 08 35.5**	**28.3S**	**63.2E**	**0**	**3.8b**		**58-146**
								¶97iii2424
EIDC	**IV**	**05 15 59 23.5**	**35.9S**	**52.6E**	**0**	**3.8b**		**24-152**
								¶97iv0802
ISC	**IV**	**13 21 22 23.8**±.37	**38.05S**±.066	**48.63E**±.089	**10**	**4.7b,4.5s**	**53**	**18-155**
NEIC	IV	13 21 22 23.5	38.02S	48.66E	10	4.7b,4.6s		**¶97iv2301**
EIDC	IV	13 21 22 23.7	38.0S	48.7E	0	4.6b		
BJI	IV	13 21 22 26.9	38.12S	48.78E	32	4.3b		
ISC	**IV**	**13 22 23 58.7**±.82	**38.5S**±.13	**48.4E**±.24	**10**	**4.2b**	**12**	**19-154**
EIDC	IV	13 22 23 57.8	38.2S	48.4E	0	4.1b		**¶97iv2311**
NEIC	IV	13 22 23 58.1	38.23S	48.44E	10			
NEIC	Poor solution.							
ISC	**IV**	**13 23 03 37**±2.0	**38.1S**±.59	**48.6E**±.40	**10**	**4.0b**	**6**	**51-153**
EIDC	IV	13 23 03 36.9	38.0S	48.7E	0	3.9b		**¶97iv2320**
ISC	Poorly determined							
ISC	**IV**	**13 23 09 41.5**±.85	**38.4S**±.12	**48.5E**±.23	**10**	**4.3b**	**15**	**19-154**
NEIC	IV	13 23 09 41.3	38.07S	48.64E	10			**¶97iv2321**
EIDC	IV	13 23 09 41.9	38.0S	48.8E	0	4.2b		
NEIC	Single network solution.							
ISC	**IV**	**13 23 13 25.8**±.82	**38.3S**±.12	**48.5E**±.23	**10**	**4.2b**	**13**	**19-152**
NEIC	IV	13 23 13 25.6	38.12S	48.58E	10			**¶97iv2322**
EIDC	IV	13 23 13 27.5	38.0S	48.9E	0	4.1b		
NEIC	Single network solution.							
ISC	**IV**	**13 23 18 02.9**±.54	**38.35S**±.093	**48.5E**±.12	**10**	**4.5b**,3.7s	**24**	**19-154**
NEIC	IV	13 23 18 02.9	38.10S	48.59E	10	4.4b,3.7s		**¶97iv2324**
EIDC	IV	13 23 18 03.1	38.2S	48.5E	0	4.4b		
BJI	IV	13 23 18 06.5	37.84S	48.53E	37			
NEIC	Less reliable solution.							
ISC	**IV**	**13 23 23 31**±1.4	**37.7S**±.47	**49.0E**±.30	**10**	**4.2b**	**8**	**24-151**
NEIC	IV	13 23 23 30.6	37.74S	48.97E	10	4.3b		**¶97iv2327**
EIDC	IV	13 23 23 31.5	37.7S	49.0E	0	4.0b		
ISC	**IV**	**13 23 38 01.7**±.79	**38.0S**±.25	**48.7E**±.21	**10**	**4.5b**	**12**	**22-153**
NEIC	IV	13 23 38 01.5	38.05S	48.64E	10			**¶97iv2330**
EIDC	IV	13 23 38 01.7	38.1S	48.6E	0	4.4b		
NEIC	Single network solution.							
ISC	**IV**	**13 23 40 18.2**±.38	**38.0S**±.12	**48.7E**±.10	**10**	**4.8b**,5.2s	**38**	**21-163**
EIDC	IV	13 23 40 17.5	38.1S	48.7E	0	4.5b		**¶97iv2331**
NEIC	IV	13 23 40 18.0	38.02S	48.73E	10	4.8b		
BJI	IV	13 23 40 21.5	37.97S	48.75E	33	4.7b		
ISC	**IV**	**13 23 43 42.1**±.48	**38.37S**±.076	**48.7E**±.12	**10**	**4.6b**,4.1s	**31**	**19-163**
NEIC	IV	13 23 43 41.5	38.03S	48.83E	10	4.6b,4.1s		**¶97iv2333**
EIDC	IV	13 23 43 42.7	37.4S	49.0E	0	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**13 23 47 38.5**±.72	**38.2S**±.10	**48.4E**±.19	**10**	**4.2b**	**17**	**18-154**
NEIC	IV	13 23 47 37.7	37.67S	48.72E	10	4.1b		**¶97iv2335**
EIDC	IV	13 23 47 37.8	37.6S	48.5E	0	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 00 06 00.6**±.46	**38.0S**±.12	**48.6E**±.11	**10**	**4.5b,4.3s**	**30**	**18-153**
EIDC	IV	14 00 06 00.3	38.1S	48.6E	0	4.3b,4.2s		**¶97iv2339**
NEIC	IV	14 00 06 00.4	38.00S	48.57E	10	4.6b,4.6s		
NEIC	Less reliable solution.							
ISC	**IV**	**14 00 14 33.3**±.69	**38.1S**±.22	**48.5E**±.20	**10**	**4.2b**	**13**	**33-153**
NEIC	IV	14 00 14 33.0	38.07S	48.45E	10			**¶97iv2346**
EIDC	IV	14 00 14 33.5	38.0S	48.5E	0	4.0b		
NEIC	Single network solution.							
ISC	**IV**	**14 00 29 03.6**±.93	**38.0S**±.18	**48.6E**±.26	**10**	**4.3b**,4.2s	**13**	**51-153**
NEIC	IV	14 00 29 03.2	38.00S	48.51E	10	4.3b		**¶97iv2348**
EIDC	IV	14 00 29 06.2	38.0S	48.7E	16	4.0b,3.9s		
NEIC	Less reliable solution.							
ISC	**IV**	**14 00 38 17.2**±.90	**38.6S**±.24	**48.2E**±.25	**10**	**4.3b**	**11**	**52-154**
NEIC	IV	14 00 38 17.1	38.57S	48.16E	10			**¶97iv2352**
EIDC	IV	14 00 38 20.3	38.5S	48.3E	16	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**14 00 46 50.1**±.67	**38.0S**±.18	**48.7E**±.18	**10**	**4.3b**	**14**	**33-153**
NEIC	IV	14 00 46 49.9	38.01S	48.70E	10	4.5b		**¶97iv2353**
EIDC	IV	14 00 46 52.2	38.1S	48.5E	17	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 01 02 33.4**±.58	**37.5S**±.14	**48.5E**±.14	**10**	**4.4b**	**27**	**18-153**
NEIC	IV	14 01 02 32.7	37.40S	48.54E	10	4.7b		**¶97iv2355**
EIDC	IV	14 01 02 33.2	37.5S	48.5E	0	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 01 07 36.9**±.37	**38.25S**±.068	**48.47E**±.095	**10**	**4.7b,4.5s**	**54**	**18-163**
MOS	IV	14 01 07 36.5	38.4S	48.4E	10	5.0b		**¶97iv2356**
NEIC	IV	14 01 07 36.9	38.02S	48.56E	10	4.9b,4.5s		
BJI	IV	14 01 07 39.6	38.11S	48.74E	29	4.9b,5.5s		
EIDC	IV	14 01 07 39.8	37.8S	48.7E	20	4.4b,4.4s		
NEIC	Less reliable solution.							
ISC	**IV**	**14 01 11 48.2**±.84	**38.1S**±.26	**48.5E**±.23	**10**	**4.1b**	**8**	**51-152**
NEIC	IV	14 01 11 48.0	38.13S	48.52E	10			**¶97iv2357**
EIDC	IV	14 01 11 50.6	38.2S	48.6E	15	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**14 01 31 17.0**±.57	**38.0S**±.17	**48.5E**±.14	**10**	**4.4b,4.2s**	**20**	**23-153**
NEIC	IV	14 01 31 16.8	38.07S	48.49E	10	4.3b,4.4s		**¶97iv2358**
EIDC	IV	14 01 31 17.0	38.1S	48.4E	0	4.3b,4.1s		
NEIC	Less reliable solution.							
ISC	**IV**	**14 01 33 13.8**±.65	**37.9S**±.19	**48.7E**±.17	**10**	**4.3b**	**13**	**23-153**
NEIC	IV	14 01 33 13.5	37.88S	48.68E	10	4.0b		**¶97iv2359**
EIDC	IV	14 01 33 14.3	38.0S	48.7E	0	4.2b		
NEIC	Less reliable solution.							
EIDC	**IV**	**14 01 44 24.9**	**38.1S**	**48.4E**	**0**	**4.0b**		**72-152**
								¶97iv2362
ISC	**IV**	**14 01 51 51.8**±.92	**38.0S**±.24	**48.6E**±.29	**10**	**4.0b**,4.1s	**8**	**51-153**
NEIC	IV	14 01 51 51.7	38.02S	48.64E	10			**¶97iv2363**
EIDC	IV	14 01 51 55.0	38.0S	48.6E	14	3.9b,4.1s		
NEIC	Poor solution.							
ISC	**IV**	**14 01 54 25**±1.5	**38.0S**±.46	**48.6E**±.32	**10**	**4.0b**,4.0s	**9**	**33-153**
NEIC	IV	14 01 54 25.1	37.96S	48.59E	10			**¶97iv2364**
EIDC	IV	14 01 54 25.4	37.9S	48.7E	0	3.9b,3.6s		
NEIC	Poor solution.							
ISC	**IV**	**14 03 04 26.7**±.53	**38.0S**±.18	**48.8E**±.13	**10**	**4.4b**,4.1s	**19**	**24-156**
NEIC	IV	14 03 04 26.5	37.99S	48.80E	10	4.5b,4.1s		**¶97iv2374**
EIDC	IV	14 03 04 26.5	38.0S	48.8E	0	4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 03 13 04.6**±.71	**38.8S**±.13	**48.2E**±.19	**10**	**4.3b,4.1s**	**18**	**20-153**
NEIC	IV	14 03 13 04.5	38.74S	48.19E	10	4.4b,4.4s		**¶97iv2376**
EIDC	IV	14 03 13 05.2	38.7S	48.4E	0	4.0s,4.2b		
NEIC	Poor solution.							
ISC	**IV**	**14 03 25 38**±1.0	**38.0S**±.39	**48.7E**±.26	**10**	**4.2b**	**11**	**33-153**
NEIC	IV	14 03 25 37.3	38.00S	48.63E	10			**¶97iv2378**
EIDC	IV	14 03 25 37.4	37.9S	48.6E	0	4.1b,3.2s		
NEIC	Poor solution.							
ISC	**IV**	**14 03 41 22.7**±.82	**38.1S**±.25	**48.4E**±.23	**10**	**4.2b**,4.0s	**12**	**33-155**
NEIC	IV	14 03 41 22.5	38.11S	48.44E	10			**¶97iv2381**
EIDC	IV	14 03 41 22.6	38.0S	48.7E	0	4.1b,3.9s		
NEIC	Poor solution.							
ISC	**IV**	**14 03 53 17.9**±.74	**38.2S**±.21	**48.5E**±.22	**10**	**4.3b**,3.5s	**17**	**23-154**
NEIC	IV	14 03 53 17.4	38.19S	48.47E	10	4.3b		**¶97iv2384**
EIDC	IV	14 03 53 17.9	38.1S	48.7E	0	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**14 03 58 20**±1.3	**38.0S**±.40	**49.7E**±.29	**10**	**4.2b**	**10**	**72-156**
NEIC	IV	14 03 58 20.1	38.02S	49.68E	10			**¶97iv2386**
EIDC	IV	14 03 58 20.8	38.2S	49.8E	0	4.1b		
NEIC	Poor solution.							
ISC	**IV**	**14 04 27 35**±1.0	**37.9S**±.25	**48.6E**±.31	**10**	**4.1b,4.0s**	**10**	**23-153**
NEIC	IV	14 04 27 35.1	37.95S	48.57E	10	4.1b,4.3s		**¶97iv2388**
EIDC	IV	14 04 27 35.3	37.8S	48.8E	0	3.7s,3.9b		
NEIC	Poor solution.							
ISC	**IV**	**14 05 07 17.2**±.39	**38.28S**±.068	**48.6E**±.10	**10**	**4.6b,4.3s**	**44**	**18-154**
EIDC	IV	14 05 07 16.0	38.1S	48.7E	0	4.4b,4.3s		**¶97iv2390**
NEIC	IV	14 05 07 17.0	38.19S	48.59E	10	4.7b,4.5s		
BJI	IV	14 05 07 17.6	38.55S	48.30E	26	5.2b		
MOS	IV	14 05 07 21.4	38.7S	49.4E	10	5.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**14 05 53 34.2**±.28	**38.13S**±.051	**48.58E**±.077	**10**	**4.9b,4.9s**	**113**	**18-173**
EIDC	IV	14 05 53 32.6	38.0S	48.6E	0	4.6b,4.7s		**¶97iv2398**
NEIC	IV	14 05 53 33.3	37.97S	48.57E	10	5.1b,5.1s		
MOS	IV	14 05 53 35.1	38.2S	48.8E	10	5.7b		
BJI	IV	14 05 53 35.5	38.11S	48.79E	18	5.1b,5.2s		
HRVD	IV	14 05 53 39.1±.4	37.98S±.05	48.48E±.07	15			
NEIC	Mw5.3(HRV), Less reliable solution.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s21,c30; Half duration: 1§1. Moment tensor: Scale 10^{16}Nm; M_{rr}−8.13±.62; $M_{\theta\theta}$7.47±.57; $M_{\phi\phi}$0.66±.65;

$M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$6.45±.79. Principal Axes: T 11.4,Plg0°,Azm149°; N −3.2, Plg0°,Azm59°; P −8.1,Plg90°,Azm180°. Best double couple: $M_0$9.7×10^{16}Nm, NP1:ϕ_S239°, δ45°,λ−90°. NP2:ϕ_S59°,δ45°,λ−90°.

ISC	**IV**	**14 07 03 07.1**±.68	**37.2S**±.19	**49.0E**±.16	**10**	**4.2b,3.9s**	**13**	**18-156**
NEIC	IV	14 07 03 06.9	37.21S	48.94E	10	4.3b,4.1s		**¶97iv2406**
EIDC	IV	14 07 03 07.1	37.4S	48.7E	0	4.0b,3.8s		
NEIC	Less reliable solution.							
ISC	**IV**	**14 08 03 12.6**±.96	**38.2S**±.44	**48.0E**±.21	**10**	**4.2b**	**10**	**19-153**
NEIC	IV	14 08 03 12.3	38.20S	47.97E	10			**¶97iv2414**
EIDC	IV	14 08 03 12.4	38.3S	47.9E	0	4.2b,3.8s		
NEIC	Poor solution.							
ISC	**IV**	**14 08 52 08**±1.9	**37.9S**±.50	**48.7E**±.52	**10**	**4.1b**	**8**	**51-153**
NEIC	IV	14 08 52 07.9	37.95S	48.65E	10			**¶97iv2423**
EIDC	IV	14 08 52 12.6	38.1S	48.6E	31	3.8b,4.3s		
NEIC	Poor solution.							
ISC	**IV**	**14 09 29 27.1**±.23	**38.08S**±.048	**48.53E**±.062	**10**	**5.1b,5.0s**	**147**	**18-173**
BJI	IV	14 09 29 25.1	38.16S	48.60E	8	5.2b,5.3s		**¶97iv2432**
EIDC	IV	14 09 29 26.3	38.1S	48.5E	0	4.8b,4.7s		
NEIC	IV	14 09 29 26.6	38.07S	48.48E	10	5.1b,5.1s		
MOS	IV	14 09 29 27.1	38.1S	48.7E	10	5.6b		
HRVD	IV	14 09 29 32.1±.4	38.06S±.05	48.60E±.09	15			
NEIC	Mw5.3(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c33; Half duration: 1^{S}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.63±.67; $M_{\theta\theta}$8.68±.58; $M_{\phi\phi}$−1.05±1.03; $M_{r\theta}$3.07±1.90; $M_{r\phi}$3.08±1.88; $M_{\theta\phi}$3.93±.58. Principal Axes: T 10.9,Plg12°,Azm339°; N −1.9, Plg15°,Azm246°; P −9.0,Plg71°,Azm106°. Best double couple: $M_0$9.9×10^{16}Nm, NP1:ϕ_S88°, δ35°,λ−64°. NP2:ϕ_S236°,δ59°,λ−108°.

ISC	**IV**	**14 13 28 57.9**±.68	**38.38S**±.095	**48.5E**±.14	**10**	**4.0b**	**18**	**19-155**
NEIC	IV	14 13 28 57.3	37.99S	48.72E	10	4.0b		**¶97iv2466**
EIDC	IV	14 13 28 57.6	37.6S	48.9E	0	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**14 18 54 24.7**±.82	**38.0S**±.23	**48.6E**±.21	**10**	**4.0b**,3.2s	**9**	**22-153**
NEIC	IV	14 18 54 24.6	38.00S	48.65E	10			**¶97iv2499**
EIDC	IV	14 18 54 24.9	37.9S	48.6E	0	3.9b,3.2s		
NEIC	Single network solution.							
ISC	**IV**	**14 19 10 39**±1.0	**37.7S**±.25	**48.9E**±.24	**10**	**3.6b**	**7**	**22-153**
EIDC	IV	14 19 10 39.4	37.5S	49.1E	0	3.5b		**¶97iv2500**
ISC	**IV**	**14 20 07 15.4**±.36	**38.24S**±.075	**48.52E**±.086	**10**	**4.6b,4.3s**	**55**	**18-163**
BJI	IV	14 20 07 14.2	38.14S	48.67E	6	5.1b,5.5s		**¶97iv2507**
EIDC	IV	14 20 07 14.9	38.0S	48.6E	0	4.4b,4.2s		
NEIC	IV	14 20 07 15.3	38.04S	48.61E	10	4.8b,4.4s		
NEIC	**IV**	**15 00 31 44.8**	**37.70S**	**49.59E**	**10**			**18-153**
EIDC	IV	15 00 31 48.1	38.1S	48.8E	0	3.8b,2.9s		**¶97iv2534**
NEIC	Poor solution.							
ISC	**IV**	**15 01 18 07.9**±.73	**32.8S**±.14	**57.1E**±.17	**10**	**4.1b,4.0s**	**16**	**16-150**
NEIC	IV	15 01 18 07.6	32.74S	57.14E	10	4.2b		**¶97iv2540**
EIDC	IV	15 01 18 12.4	32.6S	57.1E	28	3.7s,3.8b		
NEIC	Less reliable solution.							
ISC	**IV**	**15 05 09 34.2**±.30	**38.03S**±.058	**48.57E**±.070	**10**	**4.8b,4.8s**	**89**	**18-163**
BJI	IV	15 05 09 32.3	38.08S	48.46E	6	4.9b,5.4s		**¶97iv2562**
NEIC	IV	15 05 09 33.9	38.09S	48.52E	10	4.8b,4.9s		
MOS	IV	15 05 09 34.2	38.1S	48.5E	10	5.3b		
HRVD	IV	15 05 09 36.2±.6	38.09S±.07	48.41E±.14	15			
EIDC	IV	15 05 09 37.0	38.1S	48.5E	19	4.5b,4.5s		
NEIC	Mw5.1(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s15,c18; Half duration: 1^{S}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.43±.64; $M_{\theta\theta}$4.22±.39; $M_{\phi\phi}$−2.79±.76; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$4.55±.75. Principal Axes: T 6.46,Plg0°,Azm154°; N −1.43, Plg90°,Azm180°; P −5.03,Plg0°,Azm64°. Best double couple: $M_0$5.8×10^{16}Nm, NP1:ϕ_S199°, δ90°,λ−180°. NP2:ϕ_S289°,δ90°,λ0°.

ISC	**IV**	**16 07 29 23**±2.5	**37.7S**±.64	**48.7E**±.59	**10**	**3.7b**,3.5s	**5**	**51-151**
EIDC	IV	16 07 29 22.9	37.9S	48.6E	0	3.6b,3.2s		**¶97iv2715**
ISC	Poorly determined							
ISC	**IV**	**16 18 19 44.5**±.97	**38.4S**±.14	**49.0E**±.20	**10**	**3.9b,4.0s**	**13**	**19-156**
NEIC	IV	16 18 19 45.9	38.00S	49.35E	10	4.3b		**¶97iv2796**
EIDC	IV	16 18 19 46.7	38.0S	49.5E	0	3.8s,3.8b		
NEIC	Poor solution.							
ISC	**IV**	**17 01 33 15.8**±.40	**31.94S**±.078	**57.31E**±.084	**10**	**4.7b**	**34**	**15-165**
BJI	IV	17 01 33 09.9	32.30S	56.38E	5	4.9b		**¶97iv2832**
NEIC	IV	17 01 33 15.7	31.90S	57.30E	10	4.9b		
EIDC	IV	17 01 33 15.8	32.0S	57.3E	0	4.4b		
ISC	**IV**	**17 01 51 16**±1.1	**38.1S**±.24	**48.5E**±.34	**10**	**4.1b**,3.7s	**9**	**51-153**
NEIC	IV	17 01 51 16.3	38.13S	48.48E	10			**¶97iv2835**
EIDC	IV	17 01 51 16.6	38.0S	48.6E	0	4.0b,3.7s		
NEIC	Poor solution.							
ISC	**IV**	**17 11 41 59.0**±.83	**38.4S**±.13	**48.2E**±.20	**10**	**3.8b**,3.2s	**11**	**19-154**
NEIC	IV	17 11 41 58.1	38.10S	48.32E	10			**¶97iv2890**
EIDC	IV	17 11 41 58.3	38.0S	48.6E	0	3.8b,3.2s		
NEIC	Poor solution.							
ISC	**IV**	**18 05 46 41.2**±.45	**38.43S**±.082	**48.3E**±.10	**10**	**4.5b,3.8s**	**33**	**19-163**
EIDC	IV	18 05 46 41.0	37.8S	48.6E	0	4.4b,3.9s		**¶97iv3026**
BJI	IV	18 05 46 41.1	38.00S	48.60E	10			
NEIC	IV	18 05 46 41.1	38.03S	48.58E	10	4.5b,3.5s		
NEIC	Less reliable solution.							
EIDC	**IV**	**18 10 01 28.3**	**38.8S**	**47.4E**	**0**	**3.9b**,2.8s		**66-154**
								¶97iv3056
ISC	**IV**	**22 08 29 32.1**±.45	**33.86S**±.087	**57.0E**±.11	**10**	**4.5b,3.9s**	**25**	**16-151**
NEIC	IV	22 08 29 31.9	33.75S	57.02E	10	4.6b		**¶97iv3673**
EIDC	IV	22 08 29 36.3	33.8S	57.0E	28	4.3b,4.0s		
NEIC	Less reliable solution.							
ISC	**IV**	**28 10 56 51.6**±.24	**29.61S**±.053	**60.74E**±.053	**9**	**5.0b,5.1s**	**166**	**16-176**
BJI	IV	28 10 56 50.9	29.63S	60.86E	9	5.1b,5.5s		**¶97iv4902**
EIDC	IV	28 10 56 51.2	29.8S	60.8E	0	4.7b,4.3s		
NEIC	IV	28 10 56 51.6	29.64S	60.82E	10	5.2b,5.4s		
MOS	IV	28 10 56 51.7	29.7S	60.7E	10	5.4b		
ISC	**V**	**13 18 55 34**±1.9	**31.1S**±.52	**59.3E**±.36	**10**	**3.9b**	**5**	**53-148**
EIDC	V	13 18 55 37.7	31.2S	59.3E	18	3.5b		**¶97v2299**
ISC	Poorly determined							
ISC	**VI**	**13 11 11 43**±1.2	**34.8S**±.25	**54.7E**±.30	**10**	**3.8b**	**5**	**52-71**
NEIC	VI	13 11 11 42.7	34.81S	54.67E	10			**¶97vi1974**
EIDC	VI	13 11 11 43.4	34.8S	54.7E	0	3.7b		
NEIC	Poor solution.							
ISC	**VI**	**25 12 39 16.6**±.31	**36.08S**±.073	**52.61E**±.085	**10**	**4.8b,4.4s**	**66**	**24-165**
MOS	VI	25 12 39 16.3	36.0S	52.4E	10	5.3b,4.5s		**¶97vi3935**
NEIC	VI	25 12 39 16.3	36.13S	52.59E	10	5.0b,4.6s		
BJI	VI	25 12 39 17.7	36.07S	52.61E	21	5.0b		
EIDC	VI	25 12 39 21.3	36.1S	52.6E	32	4.4b,4.4s		
HRVD	VI	25 12 39 22.1±1.2	35.70S±.14	52.67E±.17	15			
NEIC	Mw5.3(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s14,c17; Half duration: 1^{S}0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.43±.65; $M_{\theta\theta}$3.89±.73; $M_{\phi\phi}$2.54±.85; $M_{r\theta}$−6.97±2.95; $M_{r\phi}$−1.61±2.98; $M_{\theta\phi}$−0.34±.87. Principal Axes: T 7.4,Plg27°,Azm174°; N 2.7,Plg4°,Azm82°; P −10.1,Plg62°,Azm344°. Best double couple: $M_0$8.8×10^{16}Nm, NP1: ϕ_S275°,δ18°,λ−77°. NP2:ϕ_S81°,δ72°,λ−94°.

ISC	**VI**	**26 12 06 04.8**±.26	**31.93S**±.055	**57.27E**±.066	**10**	**4.9b,4.8s**	**105**	**26-165**
BJI	VI	26 12 06 02.5	32.21S	57.50E	4	4.9b,5.2s		**¶97vi4136**
NEIC	VI	26 12 06 04.6	31.95S	57.29E	10	5.1b,4.8s		
HRVD	VI	26 12 06 04.8±1.1	31.68S±.12	57.74E±.15	15			
MOS	VI	26 12 06 04.9	31.9S	57.2E	10	5.4b,4.9s		
EIDC	VI	26 12 06 07.8	32.0S	57.2E	23	4.5b		
NEIC	Mw5.4(HRV), Less reliable solution.							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s22,c23; Half duration: 1^{S}1. Moment tensor: Scale 10^{16}Nm; M_{rr}−4.46±.45; $M_{\theta\theta}$4.38±.54; $M_{\phi\phi}$0.08±.64; $M_{r\theta}$−8.73±2.21; $M_{r\phi}$8.47±2.17; $M_{\theta\phi}$−0.69±.48. Principal Axes: T 12.3,Plg36°,Azm214°; N 1.3,Plg9°,Azm310°; P −13.6,Plg53°,Azm52°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S265°,δ13°,λ−136°. NP2:ϕ_S131°,δ81°,λ−81°.

(429) Mid-Indian Rise.

ISC	**I**	**01 14 55 53.2**±.44	**16.67S**±.082	**66.98E**±.088	**10**	**4.6b,4.3s**	**49**	**47-165**
NEIC	I	01 14 55 53.0	16.59S	67.02E	10	4.7b,4.5s		**¶97i0082**
EIDC	I	01 14 55 53.4	16.7S	67.0E	0	4.3b,4.3s		
BJI	I	01 14 55 53.6	17.08S	67.83E	19	4.6b,5.2s		
NEIC	Less reliable solution.							
ISC	**I**	**01 15 31 09.9**±.82	**16.4S**±.25	**67.0E**±.14	**10**	**4.2b**	**12**	**47-154**
NEIC	I	01 15 31 09.8	16.38S	67.05E	10	4.4b		**¶97i0086**
EIDC	I	01 15 31 10.1	16.4S	67.1E	0	4.0b		
NEIC	Less reliable solution.							
EIDC	**I**	**02 04 07 48.2**	**15.0S**	**67.5E**	**0**	**3.8b**		**53-64**
								¶97i0159
EIDC	**I**	**04 08 31 31.2**	**28.8S**	**74.2E**	**20**	3.9b		**53-146**
								¶97i0501
EIDC	**I**	**04 08 33 17.0**	**28.8S**	**74.1E**	**20**	3.7b		**53-146**
								¶97i0502
NEIC	**I**	**04 08 33 57.8**	**28.89S**	**74.06E**	**10**	4.5b		**53-146**
EIDC	I	04 08 34 01.4	28.9S	74.0E	21	3.9b		**¶97i0503**
NEIC	Poor solution.							
ISC	**I**	**07 03 30 09**±2.9	**28.5S**±.27	**73.6E**±.60	**10**	**4.1b**	**6**	**53-146**
NEIC	I	07 03 30 10.4	28.56S	73.89E	10			**¶97i0876**
EIDC	I	07 03 30 11.6	28.4S	74.0E	0	3.9b		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**I**	**12 09 36 32.4**±.92	**33.8S**±.13	**77.2E**±.24	**10**	**4.1b**	**11**	**35-88**
NEIC	I	12 09 36 32.1	33.78S	77.14E	10			**¶97i1656**
EIDC	I	12 09 36 36.5	33.8S	77.2E	23	3.9b		
NEIC	Poor solution.							
ISC	**I**	**17 23 22 49.4**±.79	**38.4S**±.14	**78.7E**±.17	**10**	**4.6b**,4.9s	**31**	**49-155**
BJI	I	17 23 22 43.8	39.29S	78.71E	5	4.8b,5.3s		**¶97i2558**
NEIC	I	17 23 22 50.5	38.58S	78.87E	10	4.7b		
EIDC	I	17 23 22 51.4	38.6S	78.8E	9	4.3b		
NEIC	Poor solution.							
EIDC	**I**	**18 06 21 00.1**	**28.6S**	**77.4E**	**0**	3.5b		**51-145**
								¶97i2610
EIDC	**I**	**18 06 21 47.9**	**28.9S**	**77.1E**	**0**	3.7b		**51-146**
								¶97i2611
EIDC	**I**	**18 06 25 04.7**	**29.1S**	**77.1E**	**0**	3.5b		**51-146**
								¶97i2613
ISC	**I**	**18 06 38 52.3**±.67	**30.7S**±.11	**76.2E**±.14	**10**	**4.5b**,4.3s	**30**	**44-179**
BJI	I	18 06 38 52.4	30.52S	75.58E	5	4.6b		**¶97i2616**
EIDC	I	18 06 38 52.4	30.7S	76.1E	0	4.2b,4.1s		
NEIC	I	18 06 38 52.6	30.81S	76.28E	10	4.6b		
NEIC	Less reliable solution.							
EIDC	**I**	**18 06 47 14.4**	**28.9S**	**77.1E**	**0**	3.7b		**51-179**
								¶97i2618
EIDC	**I**	**22 09 40 14.4**	**25.5S**	**70.0E**	**0**	**3.9b**		**40-143**
								¶97i3304
ISC	**I**	**30 15 38 04**±5.6	**25.4S**±.61	**73.3E**±.96	**10**	**3.8b**	**5**	**50-143**
EIDC	I	30 15 38 01.2	25.6S	72.8E	0	3.8b		**¶97i4506**
ISC	Poorly determined							
ISC	**II**	**03 19 29 07.2**±.79	**28.3S**±.16	**74.1E**±.16	**10**	**4.2b**,4.1s	**13**	**40-165**
NEIC	II	03 19 29 07.2	28.26S	74.13E	10	4.4b		**¶97ii0417**
EIDC	II	03 19 29 07.5	28.3S	74.2E	0	4.1b,3.8s		
NEIC	Less reliable solution.							
ISC	**II**	**11 11 21 04**±1.2	**15.7S**±.33	**67.2E**±.20	**10**	**4.2b**	**5**	**52-64**
NEIC	II	11 11 21 03.6	15.69S	67.20E	10	4.1b		**¶97ii1622**
EIDC	II	11 11 21 04.5	15.7S	67.2E	0	4.1b		
NEIC	Poor solution.							
ISC	**II**	**16 12 34 53**±1.4	**23.9S**±.37	**69.4E**±.27	**10**	**4.1b**	**10**	**51-151**
NEIC	II	16 12 34 52.8	23.91S	69.43E	10	4.5b		**¶97ii2376**
EIDC	II	16 12 34 53.4	23.9S	69.5E	0	4.0b		
NEIC	Poor solution.							
ISC	**II**	**20 18 51 49**±1.2	**15.7S**±.26	**67.8E**±.21	**10**	**3.9b**	**7**	**46-153**
NEIC	II	20 18 51 48.9	15.69S	67.80E	10			**¶97ii2963**
EIDC	II	20 18 51 49.8	15.7S	67.9E	0	3.7b		
NEIC	Poor solution.							
ISC	**II**	**24 19 01 52**±1.2	**24.2S**±.20	**73.6E**±.28	**10**	**4.2b**	**10**	**44-165**
NEIC	II	24 19 01 52.4	24.26S	73.61E	10			**¶97ii3529**
EIDC	II	24 19 01 52.7	24.3S	73.5E	0	4.1b,3.8s		
NEIC	Poor solution.							
EIDC	**III**	**01 23 44 26.6**	**15.9S**	**65.9E**	**0**	4.2b		**18-153**
								¶97iii0214
ISC	**III**	**04 17 03 45**±1.2	**10.5S**±.26	**66.2E**±.19	**10**	**3.8b**	**8**	**43-148**
NEIC	III	04 17 03 44.7	10.54S	66.19E	10			**¶97iii0893**
EIDC	III	04 17 03 45.2	10.6S	66.2E	0	3.7b		
NEIC	Poor solution.							
ISC	**III**	**04 17 24 17.7**±.59	**10.4S**±.11	**66.37E**±.097	**10**	**4.3b**,4.8s	**35**	**20-152**
BJI	III	04 17 24 16.3	10.43S	66.40E	5	4.7b,5.1s		**¶97iii0896**
EIDC	III	04 17 24 17.1	10.7S	66.2E	0	4.1b		
NEIC	III	04 17 24 17.2	10.56S	66.30E	10	5.0b		
MOS	III	04 17 24 18.4	10.2S	66.6E	10	5.0b		
NEIC	Poor solution.							
ISC	**III**	**04 17 49 07**±1.3	**10.5S**±.31	**66.3E**±.20	**10**	**3.8b**	**6**	**43-128**
NEIC	III	04 17 49 06.6	10.50S	66.29E	10			**¶97iii0899**
EIDC	III	04 17 49 07.1	10.4S	66.3E	0	3.8b		
NEIC	Poor solution.							
ISC	**III**	**10 00 52 41.0**±.92	**20.6S**±.26	**67.9E**±.15	**10**	**4.1b**	**7**	**39-88**
EIDC	III	10 00 52 41.2	20.6S	68.0E	0	4.0b		**¶97iii2123**
ISC	**III**	**10 14 03 01**±1.1	**9.6S**±.23	**66.8E**±.17	**10**	**4.0b**	**11**	**42-127**
NEIC	III	10 14 03 01.3	9.58S	66.82E	10	4.2b		**¶97iii2221**
EIDC	III	10 14 03 01.4	9.8S	66.7E	0	3.9b		
NEIC	Poor solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**21 06 34 38.4**±.75	**16.7S**±.14	**67.1E**±.16	**10**	**4.3b**	**14**	**47-154**
NEIC	III	21 06 34 38.3	16.76S	67.07E	10	4.4b		¶97iii4017
EIDC	III	21 06 34 38.5	16.7S	67.1E	0	4.2b		
NEIC	Less reliable solution.							
EIDC	**III**	**24 04 26 52.3**	**41.7S**	**81.4E**	**0**	**3.7b,3.7s**		**47-50**
								¶97iii4528
ISC	**IV**	**01 15 30 50**±1.5	**15.0S**±.30	**67.2E**±.29	**10**	**4.0b**	**9**	**46-152**
EIDC	IV	01 15 30 50.0	15.0S	67.0E	0	3.8b		¶97iv0089
ISC	**IV**	**01 15 31 52**±1.1	**15.8S**±.31	**67.1E**±.20	**10**	**4.1b**	**8**	**46-153**
EIDC	IV	01 15 31 51.6	15.9S	67.0E	0	4.0b		¶97iv0091
ISC	**IV**	**01 15 43 26.4**±.64	**15.5S**±.17	**67.1E**±.12	**10**	**4.2b**	**15**	**41-153**
EIDC	IV	01 15 43 26.2	15.6S	67.0E	0	4.0b		¶97iv0095
NEIC	IV	01 15 43 26.6	15.49S	67.11E	10	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**01 15 53 56.9**±.36	**15.37S**±.072	**67.36E**±.079	**10**	**4.6b,5.2s**	**59**	**34-164**
BJI	IV	01 15 53 56.1	15.45S	67.35E	10	4.6b,5.4s		¶97iv0097
MOS	IV	01 15 53 56.8	15.3S	67.5E	10	5.0b		
NEIC	IV	01 15 53 56.8	15.38S	67.38E	10	4.9b		
EIDC	IV	01 15 54 03.0	15.3S	67.3E	47	4.1b,5.2s		
ISC	**IV**	**01 15 56 30.1**±.88	**15.7S**±.21	**66.7E**±.17	**10**	**4.1b**	**10**	**40-153**
NEIC	IV	01 15 56 30.5	15.68S	66.79E	10			¶97iv0098
EIDC	IV	01 15 56 30.6	15.7S	66.7E	0	4.0b		
NEIC	Single network solution.							
ISC	**IV**	**01 16 06 37**±3.8	**15.4S**±.43	**66.8E**±.68	**10**	**3.6b**	**5**	**46-153**
EIDC	IV	01 16 06 38.1	15.4S	67.0E	0	3.4b		¶97iv0101
ISC	Poorly determined							
ISC	**IV**	**01 17 01 18**±1.0	**14.9S**±.23	**68.0E**±.19	**10**	**4.1b**	**6**	**42-70**
NEIC	IV	01 17 01 18.3	14.88S	68.07E	10	4.5b		¶97iv0113
EIDC	IV	01 17 01 18.5	15.0S	68.0E	0	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**05 22 57 52**±2.1	**36.3S**±.38	**79.9E**±.36	**10**	**4.3b,3.8s**	**13**	**48-152**
EIDC	IV	05 22 57 43.8	37.2S	78.7E	0	3.8s,4.0b		¶97iv0873
NEIC	IV	05 22 57 52.2	36.25S	80.11E	10	4.7b		
NEIC	Poor solution.							
ISC	**IV**	**10 19 32 00**±4.9	**20.4S**±.50	**67.9E**±.88	**10**	**4.2b**,3.9s	**4**	**49-75**
EIDC	IV	10 19 32 02.5	20.3S	68.1E	0	4.0b,3.4s		¶97iv1736
ISC	Poorly determined							
ISC	**IV**	**12 17 19 45**±1.1	**29.3S**±.23	**74.5E**±.24	**10**	**3.9b**,3.5s	**6**	**53-146**
NEIC	IV	12 17 19 44.9	29.33S	74.49E	10			¶97iv2099
EIDC	IV	12 17 19 45.6	29.3S	74.4E	0	3.8b,3.2s		
NEIC	Poor solution.							
ISC	**IV**	**13 00 16 41**±1.1	**33.5S**±.18	**77.7E**±.27	**10**	**4.1b,4.0s**	**8**	**35-150**
NEIC	IV	13 00 16 41.3	33.51S	77.69E	10			¶97iv2159
EIDC	IV	13 00 16 42.0	33.5S	77.6E	0	4.0s,4.0b		
NEIC	Poor solution.							
ISC	**IV**	**13 07 25 30**±1.1	**33.2S**±.22	**77.7E**±.23	**10**	**3.8b,3.5s**	**8**	**50-150**
EIDC	IV	13 07 25 34.8	33.1S	77.7E	24	3.6b,3.6s		¶97iv2206
EIDC	**IV**	**14 00 12 09.2**	**45.7S**	**79.4E**	**17**	3.5b		**49-148**
								¶97iv2343
EIDC	**IV**	**22 02 50 50.6**	**12.5S**	**65.8E**	**0**	**3.6s**,3.9b		**65-161**
								¶97iv3624
ISC	**IV**	**24 03 45 41.9**±.72	**13.4S**±.15	**66.7E**±.11	**10**	**4.4b,4.0s**	**34**	**41-162**
BJI	IV	24 03 45 40.0	13.40S	66.70E	10	4.9b,5.0s		¶97iv4074
NEIC	IV	24 03 45 42.0	13.42S	66.75E	10	4.8b		
EIDC	IV	24 03 45 42.0	13.4S	66.7E	0	4.2b,3.7s		
MOS	IV	24 03 45 42.2	13.3S	66.7E	10	4.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 03 51 48**±1.1	**13.4S**±.25	**66.7E**±.16	**10**	**4.1b**	**16**	**45-162**
NEIC	IV	24 03 51 48.0	13.43S	66.66E	10			¶97iv4075
EIDC	IV	24 03 51 48.2	13.5S	66.6E	0	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**24 04 59 47**±1.1	**13.6S**±.25	**66.5E**±.17	**10**	**4.2b,3.5s**	**17**	**45-162**
NEIC	IV	24 04 59 47.2	13.56S	66.58E	10	4.1b		¶97iv4087
EIDC	IV	24 04 59 47.2	13.7S	66.5E	0	4.1b,3.6s		
NEIC	Poor solution.							
ISC	**IV**	**24 07 29 21**±1.4	**13.5S**±.40	**66.6E**±.23	**10**	**3.8b**	**8**	**45-151**
NEIC	IV	24 07 29 20.5	13.56S	66.56E	10			¶97iv4101
EIDC	IV	24 07 29 21.1	13.5S	66.6E	0	3.6b		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**IV**	**25 10 49 23**±1.2	**14.2S**±.32	**66.7E**±.18	**10**	**3.8b**	**9**	**45-163**
NEIC	IV	25 10 49 23.2	14.20S	66.75E	10			¶97iv4331
EIDC	IV	25 10 49 23.6	14.1S	66.7E	0	3.7b		
NEIC	Poor solution.							
ISC	**IV**	**25 11 42 55**±1.0	**38.3S**±.33	**78.1E**±.24	**10**	**4.1b**,3.4s	**7**	**49-155**
EIDC	IV	25 11 42 54.4	38.4S	78.0E	0	4.1b,3.9s		¶97iv4336
NEIC	IV	25 11 42 54.5	38.36S	78.10E	10			
NEIC	Poor solution.							
ISC	**IV**	**25 13 09 53.0**±.91	**37.4S**±.25	**78.3E**±.16	**10**	**4.4b,4.3s**	**12**	**45-154**
BJI	IV	25 13 09 51.1	38.09S	77.95E	31	4.9b,5.0s		¶97iv4347
EIDC	IV	25 13 09 53.4	37.0S	78.2E	0	4.1s,4.2b		
NEIC	IV	25 13 09 53.5	37.31S	78.34E	10	4.6b		
NEIC	Poor solution.							
ISC	**IV**	**25 13 29 10**±1.7	**37.7S**±.41	**78.1E**±.28	**10**	**3.9b**	**7**	**49-154**
NEIC	IV	25 13 29 09.9	37.72S	78.10E	10	4.2b		¶97iv4350
EIDC	IV	25 13 29 10.2	37.6S	78.0E	0	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**26 01 45 49.9**±.60	**37.2S**±.11	**78.2E**±.16	**10**	**4.5b,3.8s**	**16**	**32-153**
BJI	IV	26 01 45 49.8	37.10S	78.30E	10	4.8b		¶97iv4450
NEIC	IV	26 01 45 49.8	37.13S	78.25E	10	4.6b		
EIDC	IV	26 01 45 49.8	37.1S	78.2E	0	3.9s,4.2b		
NEIC	Less reliable solution.							
ISC	**IV**	**29 20 45 13.8**±.86	**36.3S**±.15	**79.2E**±.19	**10**	**4.5b,4.3s**	**16**	**48-173**
EIDC	IV	29 20 45 12.9	36.4S	78.9E	0	4.2s,4.2b		¶97iv5119
NEIC	IV	29 20 45 13.2	36.26S	79.31E	10	4.7b,4.6s		
BJI	IV	29 20 45 13.3	36.36S	79.37E	10	5.0b		
NEIC	Poor solution.							
ISC	**V**	**03 16 37 38**±2.8	**29.1S**±.26	**74.8E**±.57	**10**	**4.1b**	**5**	**53-146**
EIDC	V	03 16 37 38.3	29.1S	74.8E	0	4.0b		¶97v0461
ISC	Poorly determined							
ISC	**V**	**04 07 39 24**±1.4	**46.2S**±.43	**79.4E**±.24	**10**	**4.2b**	**5**	**46-67**
EIDC	V	04 07 39 23.6	46.3S	79.4E	0	4.1b		¶97v0591
EIDC	**V**	**05 23 14 12.6**	**26.9S**	**74.8E**	**0**	3.6b		**53-144**
								¶97v0864
ISC	**V**	**09 13 42 53**±1.2	**40.8S**±.22	**79.5E**±.25	**10**	**4.3b,4.4s**	**7**	**28-173**
EIDC	V	09 13 42 53.6	40.7S	79.6E	0	4.3s,4.1b		¶97v1430
ISC	**V**	**17 17 41 12.3**±.64	**26.7S**±.15	**71.8E**±.13	**10**	**4.1b,3.6s**	**15**	**44-175**
NEIC	V	17 17 41 12.3	26.69S	71.80E	10	4.1b		¶97v2966
EIDC	V	17 17 41 12.6	26.7S	71.8E	0	4.1b,3.7s		
NEIC	Less reliable solution.							
ISC	**V**	**27 01 50 53.3**±.58	**35.3S**±.12	**78.7E**±.13	**10**	**4.6b,4.2s**	**14**	**34-151**
NEIC	V	27 01 50 53.1	35.29S	78.71E	10	4.6b		¶97v4499
EIDC	V	27 01 50 54.1	35.2S	78.7E	0	4.5b,4.1s		
NEIC	Less reliable solution.							
ISC	**VI**	**07 10 07 29**±1.3	**26.2S**±.16	**71.1E**±.35	**10**	**4.1b**	**8**	**52-143**
EIDC	VI	07 10 07 28.2	26.4S	70.8E	0	4.1b		¶97vi1079
NEIC	VI	07 10 07 28.5	26.18S	70.99E	10	4.3b		
NEIC	Poor solution.							
ISC	**VI**	**07 11 12 09.9**±.66	**26.1S**±.15	**71.0E**±.15	**10**	**4.1b**	**11**	**41-143**
NEIC	VI	07 11 12 09.8	26.10S	71.03E	10	4.8b		¶97vi1087
EIDC	VI	07 11 12 13.8	26.1S	70.9E	22	3.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**12 22 13 25.4**±.59	**29.2S**±.14	**75.0E**±.12	**10**	**4.1b,4.0s**	**14**	**43-146**
NEIC	VI	12 22 13 25.3	29.14S	75.00E	10			¶97vi1904
EIDC	VI	12 22 13 25.8	29.2S	75.0E	0	4.0b,4.0s		
NEIC	Less reliable solution.							
ISC	**VI**	**15 06 26 09**±1.1	**11.7S**±.24	**66.3E**±.16	**10**	**3.9b**,3.9s	**15**	**44-153**
EIDC	VI	15 06 26 09.0	11.7S	66.3E	0	3.9b,3.8s		¶97vi2250
NEIC	VI	15 06 26 09.2	11.67S	66.36E	10			
NEIC	Poor solution.							
ISC	**VI**	**15 19 07 30.7**±.33	**11.45S**±.065	**66.37E**±.055	**10**	**4.7b,4.3s**	**119**	**19-160**
BJI	VI	15 19 07 29.5	11.59S	66.35E	12	4.9b,4.9s		¶97vi2346
MOS	VI	15 19 07 30.6	11.5S	66.4E	10	5.2b		
NEIC	VI	15 19 07 30.6	11.46S	66.35E	10	4.9b		
EIDC	VI	15 19 07 30.7	11.5S	66.3E	0	4.4b,4.1s		
HRVD	VI	15 19 07 36.6±.7	11.46S	66.35E	15			
NEIC	Mw4.8(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s14,c18; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.72±.57; $M_{\theta\theta}$1.77±.43; $M_{\phi\phi}$−0.05±.53; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$−1.27±.54. Principal Axes: T 2.43,Plg0°,Azm207°; N −0.70, Plg0°,Azm117°; P −1.72,Plg90°,Azm180°. Best double couple: $M_0$2.1×10^{16}Nm, NP1: ϕ_s297°,δ45°,λ−90°. NP2:ϕ_s117°,δ45°,λ−90°.							
EIDC	**VI**	**17 10 08 25.9**	**34.3S**	**75.4E**	**0**	**3.7s,3.6b**		**52-57**
								¶97vi2595
ISC	**VI**	**21 09 00 53.4**±.47	**16.2S**±.13	**67.33E**±.078	**10**	**4.5b**	**21**	**19-153**
EIDC	VI	21 09 00 52.5	16.1S	67.3E	0	4.2b		¶97vi3188
NEIC	VI	21 09 00 52.8	16.16S	67.28E	10	4.8b		
BJI	VI	21 09 00 52.9	16.31S	67.35E	10	4.6b		
NEIC	Less reliable solution.							

(430) South of Africa.

EIDC	**I**	**03 05 33 14.1**	**52.8S**	**24.0E**	**0**	**3.9b**		**58-156**
								¶97i0329
EIDC	**II**	**06 19 45 18.3**	**52.5S**	**21.6E**	**15**	**3.5b**		**58-155**
NEIC	II	06 19 45 16.3	52.30S	21.80E	10			¶97ii0898
NEIC	Poor solution.							
ISC	**II**	**06 20 59 05.1**±.45	**53.05S**±.089	**20.9E**±.17	**10**	**4.6b,4.5s**	**48**	**21-167**
MOS	II	06 20 59 05.0	53.0S	21.1E	10	5.2b		¶97ii0906
NEIC	II	06 20 59 05.0	52.95S	21.08E	10	4.7b		
EIDC	II	06 20 59 08.0	52.9S	21.1E	20	4.3b,4.4s		
NEIC	Less reliable solution.							
ISC	**II**	**06 22 56 20.5**±.79	**52.9S**±.12	**20.7E**±.36	**10**	**4.2b**,3.6s	**16**	**20-155**
NEIC	II	06 22 56 20.3	52.89S	20.68E	10			¶97ii0915
EIDC	II	06 22 56 23.3	52.9S	20.9E	21	4.0b,3.6s		
NEIC	Poor solution.							
ISC	**V**	**12 19 02 47**±2.1	**50.8S**±.47	**31.7E**±.92	**10**	**4.0b**	**5**	**20-79**
EIDC	V	12 19 02 47.8	50.7S	32.0E	0	3.9b		¶97v2028
ISC	**V**	**20 04 27 55**±9.9	**52.8S**±.11	**20.6E**±.32	**5**±60	**4.4b,3.9s**	**24**	**19-155**
NEIC	V	20 04 27 55.8	52.81S	20.53E	10	4.5b		¶97v3356
EIDC	V	20 04 27 59.8	52.9S	20.8E	23	3.8s,4.1b		
NEIC	Less reliable solution.							
ISC	**V**	**29 14 59 30.8**±.85	**53.6S**±.13	**24.9E**±.39	**10**	**4.1b**,3.7s	**8**	**17-157**
NEIC	V	29 14 59 30.8	53.51S	24.91E	10			¶97v4883
EIDC	V	29 14 59 31.0	53.5S	25.1E	0	4.1b,3.6s		
NEIC	Poor solution.							
ISC	**VI**	**08 04 37 13.6**±.50	**47.76S**±.073	**31.9E**±.21	**10**	**4.5b,4.1s**	**27**	**18-153**
EIDC	VI	08 04 37 13.5	47.8S	32.1E	0	4.4b,4.0s		¶97vi1178
NEIC	VI	08 04 37 13.6	47.73S	31.96E	10	4.6b,4.5s		
NEIC	Less reliable solution.							
ISC	**VI**	**25 07 50 37**±2.4	**52.7S**±.22	**26.5E**±.80	**10**	**4.1b**	**10**	**23-149**
NEIC	VI	25 07 50 35.1	52.50S	26.20E	10	4.1b		¶97vi3866
EIDC	VI	25 07 50 35.9	52.5S	26.5E	0	4.0b		
NEIC	Poor solution.							

(431) Prince Edward Islands region.

ISC	**II**	**15 10 10 49.8**±.64	**44.8S**±.14	**35.6E**±.25	**10**	**4.5b,4.3s**	**17**	**17-155**
NEIC	II	15 10 10 49.8	44.77S	35.63E	10	4.7b		¶97ii2212
EIDC	II	15 10 10 50.1	44.7S	35.7E	0	4.4b,4.3s		
NEIC	Less reliable solution.							
ISC	**III**	**14 17 15 22.6**±.54	**46.99S**±.098	**32.9E**±.22	**10**	**4.4b,4.1s**	**25**	**17-162**
NEIC	III	14 17 15 22.6	47.02S	32.89E	10	4.3b		¶97iii2918
EIDC	III	14 17 15 22.8	47.0S	32.7E	0	4.3b,4.1s		
NEIC	Less reliable solution.							
ISC	**IV**	**16 06 28 44.0**±.53	**44.2S**±.14	**39.1E**±.18	**10**	**4.2b,3.7s**	**20**	**18-147**
EIDC	IV	16 06 28 43.8	43.9S	39.4E	0	4.2b,3.8s		¶97iv2708
NEIC	IV	16 06 28 44.3	44.22S	38.99E	10	4.3b		
NEIC	Less reliable solution.							
ISC	**IV**	**28 09 47 10**±1.0	**42.1S**±.17	**42.5E**±.23	**10**	**3.8b**,4.2s	**10**	**19-150**
EIDC	IV	28 09 47 08.8	43.0S	41.9E	0	4.3s,3.8b		¶97iv4888
NEIC	IV	28 09 47 10.2	42.14S	42.55E	10			
NEIC	Less reliable solution.							
ISC	**IV**	**28 12 07 38.3**±.18	**42.41S**±.042	**42.68E**±.062	**10**	**5.5b,6.2s**	**391**	**19-169**
EIDC	IV	28 12 07 36.0	42.4S	41.9E	0	5.0b,6.1s		¶97iv4915
MOS	IV	28 12 07 36.8	42.7S	42.2E	10	6.0b,6.2s		
NEIC	IV	28 12 07 37.8	42.50S	42.69E	10	5.7b,6.3s		
BJI	IV	28 12 07 38.2	42.11S	42.28E	19	5.4b,6.3s		
HRVD	IV	28 12 07 49.6±.1	42.03S±.01	42.75E±.01	15			
NEIC	Mw6.8(HRV), Mw6.6(GS).							
NEIC	Mo=3.5×10^{19}Nm (PPT).							
NEIC	Moment tensor solution: s17, scale 10^{18}Nm; M_{rr}0.14; $M_{\theta\theta}$2.97; $M_{\phi\phi}$−3.10; $M_{r\theta}$−1.03; $M_{r\phi}$−0.56; $M_{\theta\phi}$6.76. Depth 15km; Principal axes: T 7.53,Plg9°,Azm147°; N −0.05,Plg81°, Azm323°; P −7.48,Plg1°,Azm57°. Best double couple: $M_0$7.5×10^{18}Nm; NP1:ϕ_s192°,δ83°, λ174°. NP2:ϕ_s282°,δ84°,λ7°.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c116; Mantle waves: s48,c123; Half duration: 5s2. Moment tensor: Scale 10^{19}Nm; M_{rr}−0.04±.01; $M_{\theta\theta}$0.49±.01; $M_{\phi\phi}$−0.45±.01; $M_{r\theta}$−0.03±.03; $M_{r\phi}$−0.04±.02; $M_{\theta\phi}$1.39±.01. Principal Axes: T 1.49,Plg2°,Azm144°; N −0.04,Plg88°,Azm339°; P −1.45,Plg0°,Azm234°. Best double couple: $M_0$1.5×10^{19}Nm, NP1:ϕ_s279°,δ88°,λ1°. NP2:ϕ_s189°,δ89°,λ178°.							

EIDC	**IV**	**28 12 25 05.5**	**44.5S**	**42.4E**	**0**	**3.9b**	**75-149**	
								¶97iv4919
ISC	**IV**	**29 10 24 54.6**±.50	**42.83S**±.091	**42.3E**±.15	**10**	**4.3b,3.8s**	**24**	**20-157**
NEIC	IV	29 10 24 54.4	42.74S	42.42E	10	4.4b,4.2s		**¶97iv5062**
EIDC	IV	29 10 24 54.6	42.7S	42.4E	0	4.2b,3.8s		
NEIC	Less reliable solution.							
ISC	**V**	**08 12 12 11.7**±.54	**46.89S**±.094	**33.3E**±.21	**10**	**4.4b,4.3s**	**30**	**17-156**
NEIC	V	08 12 12 11.8	46.86S	33.29E	10	4.4b		**¶97v1240**
EIDC	V	08 12 12 11.8	47.0S	33.5E	0	4.2s,4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**13 01 37 05.2**±.59	**41.7S**±.11	**42.5E**±.13	**10**	**4.1b,4.3s**	**23**	**19-155**
EIDC	V	13 01 37 04.7	41.6S	42.8E	0	4.1s,4.1b		**¶97v2104**
NEIC	V	13 01 37 05.1	41.67S	42.63E	10	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**28 17 47 12.0**±.51	**47.86S**±.087	**32.5E**±.22	**10**	**4.6b,4.0s**	**27**	**18-157**
NEIC	V	28 17 47 11.7	47.85S	32.46E	10	5.0b,4.4s		**¶97v4753**
EIDC	V	28 17 47 16.7	47.8S	32.4E	31	4.0s,4.3b		
NEIC	Less reliable solution.							

(435) South-East Indian Ridge.

ISC	**I**	**27 20 25 26**±1.7	**41.7S**±.39	**84.7E**±.29	**10**	**4.4b**	**10**	**45-169**
EIDC	I	27 20 25 26.5	41.7S	84.6E	0	4.3b		**¶97i4121**
NEIC	I	27 20 25 27.0	41.69S	84.75E	10	4.2b		
NEIC	Poor solution.							
NEIC	**I**	**29 14 17 32.9**	**49.64S**	**109.87E**	**10**	4.3b		**32-153**
EIDC	I	29 14 17 31.5	49.9S	109.9E	0	4.1b		**¶97i4362**
NEIC	Poor solution.							
EIDC	**II**	**01 10 08 15.5**	**52.5S**	**112.8E**	**0**	**3.8b,**4.2s		**29-153**
								¶97ii0055
ISC	**II**	**14 03 06 37**±1.9	**40.5S**±.98	**85.1E**±.25	**10**	**4.4b**	**9**	**44-155**
EIDC	II	14 03 06 36.6	40.4S	85.1E	0	4.3b		**¶97ii2011**
ISC	**II**	**26 18 25 42.8**±.40	**47.52S**±.072	**100.3E**±.12	**10**	**5.0b,5.9s**	**68**	**19-158**
NEIC	II	26 18 25 42.2	47.56S	100.20E	10	5.1b		**¶97ii3839**
MOS	II	26 18 25 42.5	47.8S	100.5E	10	5.3b		
EIDC	II	26 18 25 43.2	47.4S	100.2E	0	4.8b,6.0s		
BJI	II	26 18 25 44.0	47.57S	100.22E	24	5.1b,6.0s		
NEIC	Less reliable solution.							
ISC	**II**	**26 18 27 10.7**±.35	**47.48S**±.062	**100.1E**±.11	**10**	**5.1b,6.0s**	**131**	**18-175**
BJI	II	26 18 27 09.0	47.50S	100.14E	6	5.2b,6.1s		**¶97ii3840**
NEIC	II	26 18 27 10.6	47.50S	100.28E	10	5.2b,6.0s		
EIDC	II	26 18 27 12.2	47.4S	100.6E	0	5.1b,6.1s		
MOS	II	26 18 27 15.1	46.7S	100.4E	10	5.5b,5.9s		
HRVD	II	26 18 27 18.1±.1	47.33S±.01	99.87E±.02	15			

NEIC Mw6.1(GS), Mw6.0(HRV), Less reliable solution.

NEIC Moment tensor solution: s12, scale 10^{18}Nm; M_{rr}0.04; $M_{\theta\theta}$1.35; $M_{\phi\phi}$−1.40; $M_{r\theta}$−0.08; $M_{r\phi}$0.17; $M_{\theta\phi}$0.18. Depth 12km; Principal axes: T 1.37,Plg3°,Azm176°; N 0.06,Plg82°, Azm291°; P −1.43,Plg7°,Azm86°. Best double couple: $M_0$1.4×10^{18}Nm; NP1:ϕ_S221°,δ83°, λ−177°. NP2:ϕ_S131°,δ87°,λ−7°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s49,c95; Mantle waves: s39,c59; Half duration: 2s6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.02±.01; $M_{\theta\theta}$1.16±.01; $M_{\phi\phi}$−1.13±.01; $M_{r\theta}$−0.05±.04; $M_{r\phi}$0.10±.04; $M_{\theta\phi}$0.47±.01. Principal Axes: T 1.25,Plg1°,Azm169°; N −0.01,Plg85°,Azm273°; P −1.24,Plg5°,Azm79°. Best double couple: $M_0$1.2×10^{18}Nm, NP1:ϕ_S214°,δ86°,λ−177°. NP2:ϕ_S124°,δ87°,λ−4°.

EIDC	**III**	**18 03 11 59.9**	**48.1S**	**94.8E**	**19**	**3.7b**		**39-66**
								¶97iii3480
EIDC	**III**	**24 05 55 56.4**	**49.7S**	**112.7E**	**0**	3.9b		**31-151**
								¶97iii4537
ISC	**V**	**02 10 42 48.6**±.54	**49.2S**±.12	**94.7E**±.14	**10**	**4.6b,3.8s**	**43**	**19-162**
BJI	V	02 10 42 47.5	49.10S	94.70E	10	5.2b		**¶97v0252**
EIDC	V	02 10 42 48.4	49.1S	94.7E	0	4.5b,3.6s		
NEIC	V	02 10 42 48.5	49.14S	94.71E	10	4.5b,4.8s		
ISC	**V**	**04 07 32 33**±2.3	**42.3S**±.57	**84.1E**±.31	**10**	**3.9b,**3.1s	**5**	**45-144**
EIDC	V	04 07 32 32.6	42.5S	84.1E	0	3.7b,3.5s		**¶97v0588**
ISC	Poorly determined							
ISC	**V**	**04 09 49 28**±1.3	**49.8S**±.14	**111.0E**±.53	**10**	**4.1b,3.6s**	**15**	**32-152**
NEIC	V	04 09 49 27.6	49.81S	110.87E	10	4.0b		**¶97v0616**
EIDC	V	04 09 49 27.6	49.9S	110.8E	0	3.6s,4.0b		
NEIC	Poor solution.							
EIDC	**V**	**04 12 46 57.3**	**49.8S**	**110.9E**	**0**	**3.9b,**3.0s		**32-152**
								¶97v0640
ISC	**V**	**04 21 09 15**±1.7	**50.0S**±.17	**110.9E**±.58	**10**	**3.9b**	**12**	**32-152**
NEIC	V	04 21 09 14.7	49.97S	110.76E	10	4.1b		**¶97v0696**
EIDC	V	04 21 09 15.3	49.9S	110.7E	0	3.8b		
NEIC	Poor solution.							
ISC	**V**	**04 21 25 56.0**±.52	**49.87S**±.097	**111.3E**±.21	**10**	**4.4b,4.2s**	**29**	**21-152**
BJI	V	04 21 25 55.8	49.90S	111.20E	10	5.2b		**¶97v0697**
NEIC	V	04 21 25 55.8	49.88S	111.24E	10	4.7b,4.7s		
EIDC	V	04 21 25 55.9	49.8S	111.2E	0	4.3b,4.1s		
NEIC	Less reliable solution.							
ISC	**V**	**10 11 25 15**±1.6	**41.1S**±.40	**85.5E**±.24	**10**	**4.2b**	**11**	**44-169**
NEIC	V	10 11 25 15.8	40.95S	85.59E	10	4.2b		**¶97v1588**
EIDC	V	10 11 25 16.8	40.9S	85.7E	0	4.0b		
NEIC	Poor solution.							
EIDC	**V**	**15 02 09 21.2**	**48.0S**	**105.0E**	**0**	**3.5s,**3.5b		**33-151**
								¶97v2542
EIDC	**VI**	**10 20 32 40.9**	**47.3S**	**108.4E**	**670**	**2.6b**		**31-149**
								¶97vi1563

(437) South of Australia.

EIDC	**I**	**02 13 08 56.8**	**48.8S**	**130.1E**	**0**	**3.6b**		**25-143**
								¶97i0215
ISC	**I**	**04 23 21 56.0**±.70	**49.9S**±.10	**126.9E**±.14	**10**	**4.7b**	**36**	**17-145**
NEIC	I	04 23 21 55.2	49.96S	126.80E	10	4.6b		**¶97i0593**
EIDC	I	04 23 21 55.8	49.9S	127.0E	0	4.5b		
NEIC	Less reliable solution.							
EIDC	**I**	**16 10 06 15.6**	**49.5S**	**124.6E**	**0**	**3.9b**		**22-146**
								¶97i2292
ISC	**I**	**18 15 56 45**±1.4	**49.6S**±.15	**126.3E**±.54	**10**	**3.9b**	**6**	**21-145**
EIDC	I	18 15 56 46.2	49.5S	126.2E	0	3.9b		**¶97i2683**
EIDC	**I**	**20 18 19 06.0**	**49.6S**	**121.5E**	**0**	**3.7b**		**23-147**
								¶97i3059
EIDC	**I**	**23 12 41 40.7**	**49.0S**	**124.4E**	**0**	3.7b		**26-145**
								¶97i3499
ISC	**I**	**28 11 59 23**±4.3	**50.1S**±.48	**117.7E**±.65	**10**	**4.1b**	**7**	**17-149**
EIDC	I	28 11 59 26.4	49.7S	117.6E	0	4.1b,4.1L		**¶97i4207**
ISC	Poorly determined							
ISC	**II**	**02 20 54 46**±3.9	**50.4S**±.43	**117.6E**±.49	**10**	**3.7b**	**6**	**17-150**
EIDC	II	02 20 54 47.0	50.4S	117.7E	0	3.7b,3.9L		**¶97ii0276**
EIDC	**II**	**15 00 07 00.5**	**49.7S**	**114.2E**	**0**	**3.9b**		**27-151**
								¶97ii2137
ISC	**II**	**15 20 44 59.5**±.67	**48.60S**±.089	**126.7E**±.21	**22**	**4.6b,4.6s**	**30**	**17-149**
BJI	II	15 20 44 57.3	48.25S	126.80E	5	5.2b,5.0s		**¶97ii2291**
NEIC	II	15 20 44 58.4	48.70S	126.76E	22	4.5b		
EIDC	II	15 20 44 59.7	48.7S	127.1E	19	4.3b,4.4s		
NEIC	Less reliable solution.							
EIDC	**II**	**17 02 13 44.7**	**49.3S**	**125.6E**	**0**	3.6b		**21-145**
								¶97ii2446
ISC	**II**	**18 23 10 46**±7.0	**51.3S**±.75	**138.8E**±.45	**10**	**4.6b,**3.0s	**16**	**18-147**
NEIC	II	18 23 10 47.5	51.12S	138.69E	10	4.3b		**¶97ii2701**
EIDC	II	18 23 10 52.0	50.7S	136.9E	0	4.1s,4.0b		
NEIC	Less reliable solution.							
EIDC	**II**	**19 02 46 33.3**	**49.9S**	**125.5E**	**0**	**4.0b,**3.9L		**18-146**
								¶97ii2727
ISC	**III**	**03 23 49 04**±1.2	**49.1S**±.13	**127.7E**±.50	**10**	**4.3b,**3.6s	**12**	**17-145**
NEIC	III	03 23 49 04.4	49.08S	127.72E	10	4.2b		**¶97iii0716**
EIDC	III	03 23 49 09.8	49.1S	128.9E	25	4.2b,3.7L		
NEIC	Poor solution.							
ISC	**III**	**08 21 21 09.5**±.78	**49.40S**±.097	**121.8E**±.21	**10**	**4.5b,4.2s**	**21**	**17-149**
BJI	III	08 21 21 09.1	49.40S	121.60E	10	4.7b		**¶97iii1835**
NEIC	III	08 21 21 09.1	49.38S	121.65E	10	4.6b		
EIDC	III	08 21 21 14.3	49.3S	121.8E	38	4.1b,4.2s		
NEIC	Less reliable solution.							
EIDC	**III**	**10 19 42 57.7**	**48.7S**	**123.7E**	**0**	**3.5b**		**26-146**
								¶97iii2262
EIDC	**III**	**12 10 50 40.7**	**48.9S**	**124.6E**	**0**	**3.7b**		**21-145**
								¶97iii2517
EIDC	**III**	**21 10 43 15.9**	**48.2S**	**125.0E**	**0**	**3.4b,**3.1s		**21-145**
								¶97iii4057
EIDC	**III**	**31 09 16 58.0**	**49.6S**	**125.5E**	**0**	**3.6b**		**21-145**
								¶97iii5869
ISC	**IV**	**03 04 25 07**±1.9	**49.1S**±.18	**125.4E**±.82	**10**	**4.1b,**2.8s	**8**	**21-145**
EIDC	IV	03 04 25 07.1	49.1S	125.3E	0	4.1b,3.2s		**¶97iv0378**
ISC	Poorly determined							
ISC	**IV**	**09 21 34 28**±1.0	**52.0S**±.12	**140.5E**±.49	**10**	**4.3b,**3.6s	**37**	**19-153**
NEIC	IV	09 21 34 27.5	52.11S	139.60E	10	4.5b		**¶97iv1586**
EIDC	IV	09 21 34 28.7	51.9S	140.4E	0	4.1b,3.8s		
NEIC	Poor solution.							
ISC	**IV**	**14 00 01 12**±1.5	**49.7S**±.16	**118.0E**±.63	**22**	**3.7b**	**10**	**29-149**
EIDC	IV	14 00 01 14.6	49.7S	118.1E	22	3.7b		**¶97iv2337**
EIDC	**IV**	**24 16 55 02.8**	**48.8S**	**123.4E**	**0**	3.7b		**26-146**
								¶97iv4180
EIDC	**IV**	**24 17 10 42.7**	**51.6S**	**139.8E**	**0**	**3.9b,**3.5L		**20-152**
								¶97iv4182
ISC	**IV**	**24 17 15 54.7**±.93	**51.4S**±.11	**139.5E**±.41	**10**	**4.3b**	**41**	**15-152**
EIDC	IV	24 17 15 53.4	51.5S	139.7E	0	4.1b,3.9L		**¶97iv4184**
NEIC	IV	24 17 15 53.5	51.48S	139.82E	10	4.5b		
NEIC	Less reliable solution.							
ISC	**IV**	**24 17 19 49**±3.4	**51.2S**±.35	**139.5E**±.58	**10**	**4.3b,**4.1s	**18**	**19-152**
NEIC	IV	24 17 19 48.1	51.34S	139.58E	10	4.4b		**¶97iv4185**
EIDC	IV	24 17 19 48.2	51.4S	139.1E	0	4.2s,4.0b		
NEIC	Poor solution.							
ISC	**IV**	**24 17 26 52**±2.6	**51.5S**±.31	**139.4E**±.51	**10**	**4.4b**	**32**	**20-152**
NEIC	IV	24 17 26 51.4	51.55S	139.50E	10	4.5b		**¶97iv4187**
EIDC	IV	24 17 26 51.4	51.6S	138.8E	0	4.1b,3.7L		
NEIC	Poor solution.							
ISC	**V**	**06 17 40 46**±1.2	**49.8S**±.13	**122.6E**±.30	**10**	**4.1b,**3.3s	**10**	**17-147**
EIDC	V	06 17 40 46.7	49.8S	122.7E	0	3.9b,3.3s		**¶97v0991**
NEIC	V	06 17 40 47.0	49.78S	122.69E	10			
NEIC	Less reliable solution.							
ISC	**V**	**09 06 31 04.9**±.25	**44.78S**±.039	**117.89E**±.068	**10**	**5.4b,5.0s**	**291**	**10-173**
BJI	V	09 06 31 03.6	45.07S	118.57E	20	5.6b,5.1s		**¶97v1373**
EIDC	V	09 06 31 04.3	44.9S	117.9E	0	5.3b,4.5s		
NEIC	V	09 06 31 04.4	44.75S	117.77E	10	5.2b,5.1s		
MOS	V	09 06 31 04.9	44.8S	117.9E	10	5.8b,4.8s		
HRVD	V	09 06 31 11.9±.2	44.53S±.03	118.13E±.04	15			
AUST	V	09 06 31 16.5	44.29S	118.01E	5	4.3L		

NEIC Mw5.5(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s37,c55; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.51±.04; $M_{\theta\theta}$0.62±.05; $M_{\phi\phi}$0.89±.04; $M_{r\theta}$−0.14±.17; $M_{r\phi}$1.27±.18; $M_{\theta\phi}$−1.00±.05. Principal Axes: T 2.09,Plg17°,Azm234°; N 0.00, Plg19°,Azm330°; P −2.09,Plg64°,Azm105°. Best double couple: $M_0$2.1×10^{17}Nm, NP1: ϕ_S298°,δ32°,λ−127°. NP2:ϕ_S160°,δ65°,λ−69°.

ISC	**V**	**09 06 53 45**±1.3	**44.8S**±.11	**118.2E**±.29	**10**	**3.8b**	**11**	**12-146**
NEIC	V	09 06 53 45.2	44.78S	118.22E	10	4.5b		**¶97v1376**
EIDC	V	09 06 53 46.8	44.7S	118.6E	0	3.8b,4.9L		
NEIC	Less reliable solution.							
ISC	**V**	**11 17 15 28**±1.3	**44.8S**±.12	**117.6E**±.28	**10**	**4.2b**	**23**	**10-150**
NEIC	V	11 17 15 28.4	44.79S	117.59E	10	4.0b		**¶97v1814**
EIDC	V	11 17 15 29.2	44.9S	117.8E	0	4.1b,4.5L		
NEIC	Less reliable solution.							
ISC	**V**	**12 01 56 07**±1.1	**51.3S**±.12	**139.8E**±.42	**10**	**4.4b**	**20**	**19-152**
NEIC	V	12 01 56 06.6	51.30S	139.93E	10	4.3b		**¶97v1872**
EIDC	V	12 01 56 06.7	51.3S	140.2E	0	4.2b,3.9L		
NEIC	Poor solution.							
ISC	**V**	**12 08 52 59.5**±.88	**51.16S**±.091	**138.5E**±.62	**10**	**4.1b,**3.1s	**11**	**19-145**
NEIC	V	12 08 52 59.2	51.17S	138.51E	10	4.2b		**¶97v1926**
EIDC	V	12 08 53 00.0	51.2S	138.5E	0	3.9b,3.5s		
NEIC	Less reliable solution.							
ISC	**V**	**12 09 25 34**±1.1	**51.5S**±.12	**137.4E**±.64	**10**	**3.8b**	**7**	**20-145**
NEIC	V	12 09 25 35.2	51.33S	139.11E	10	4.2b		**¶97v1929**
EIDC	V	12 09 25 36.2	51.3S	139.3E	0	3.8b,3.6L		
NEIC	Poor solution.							
ISC	**V**	**12 09 44 11**±1.2	**51.4S**±.12	**138.1E**±.73	**10**	**4.2b,**3.0s	**12**	**20-151**
NEIC	V	12 09 44 11.5	51.33S	138.83E	10	4.5b		**¶97v1933**
EIDC	V	12 09 44 11.8	51.3S	139.5E	0	3.7s,3.9b		
NEIC	Poor solution.							
ISC	**V**	**12 14 57 41**±1.1	**51.8S**±.11	**138.6E**±.56	**10**	**3.8b**	**6**	**20-39**
NEIC	V	12 14 57 41.3	51.75S	138.58E	10	4.1b		**¶97v1987**
EIDC	V	12 14 57 41.9	51.8S	138.1E	0	3.9b		
NEIC	Poor solution.							
EIDC	**V**	**12 17 34 13.4**	**44.4S**	**118.1E**	**0**	**3.6b**		**24-145**
								¶97v2016
ISC	**V**	**12 19 00 22**±4.8	**51.37S**±.051	**139.54E**±.093	**8**±29	**5.1b,5.1s**	**246**	**14-158**
EIDC	V	12 19 00 22.2	51.4S	139.5E	0	4.8b,4.7s		**¶97v2027**
NEIC	V	12 19 00 22.3	51.39S	139.55E	10	5.1b,5.1s		
BJI	V	12 19 00 23.0	51.60S	140.48E	32	5.2b,5.3s		
MOS	V	12 19 00 26.9	50.8S	139.0E	10	5.6b,4.9s		
HRVD	V	12 19 00 28.1±.5	51.45S±.05	139.29E±.07	15			

NEIC Mw5.4(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c31; Half

Agency Origin Time φ λ h Mag n Δ-Rng
mo d h m s ° ° km °
duration: 1^{s}2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.08±.03; $M_{\theta\theta}$0.04±.04; $M_{\phi\phi}$0.04±.04; $M_{r\theta}$0.39±.12; $M_{r\phi}$−0.22±.12; $M_{\theta\phi}$−1.19±.03. Principal Axes: T 1.36,Plg17°,Azm44°; N −0.19, Plg72°,Azm247°; P −1.17,Plg7°,Azm136°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S181°,δ73°,λ7°. NP2:ϕ_S89°,δ83°,λ163°.

ISC V 13 01 50 09±1.0 **51.4S**±.11 **136.5E**±.61 **10** **4.0b** **12 20-149**
EIDC V 13 01 50 09.6 51.2S 136.6E 0 3.9b,3.3s **¶97v2106**
NEIC V 13 01 50 10.6 51.16S 138.23E 10 4.2b
NEIC Poor solution.
ISC V 13 15 22 14.2±.93 **51.5S**±.10 **137.5E**±.53 **10** **4.0b** **9 20-77**
EIDC V 13 15 22 14.8 51.5S 137.5E 0 3.8b,4.2L **¶97v2272**
NEIC V 13 15 22 15.1 51.34S 138.20E 10 4.2b
NEIC Poor solution.
ISC V 13 16 33 42±4.5 **50.7S**±.51 **138.6E**±.69 **10** **4.3b** **18 19-152**
EIDC V 13 16 33 50.2 50.0S 136.9E 0 4.0b,4.1L **¶97v2275**
ISC V 13 21 06 59±1.3 **44.9S**±.11 **117.6E**±.27 **10** **3.9b** **14 10-146**
NEIC V 13 21 06 59.2 44.87S 117.65E 10 3.8b **¶97v2329**
EIDC V 13 21 07 00.6 44.9S 117.9E 0 3.9b,4.7L
AUST V 13 21 07 09.8 44.52S 118.28E 5 3.2L
NEIC Less reliable solution.
ISC V 14 05 57 40.9±.84 **51.2S**±.10 **140.0E**±.63 **10** **4.2b**,2.8s **13 19-146**
NEIC V 14 05 57 41.2 51.34S 139.32E 10 4.2b **¶97v2397**
EIDC V 14 05 57 41.2 51.3S 139.7E 0 3.9b,2.8s
NEIC Poor solution.
NEIC V 14 14 48 12.8 **50.99S** **137.97E** **10** 4.2b **19-145**
EIDC V 14 14 48 13.5 51.0S 137.7E 0 4.0b,3.6L **¶97v2462**
NEIC Poor solution.
ISC V 15 12 08 12±1.1 **51.3S**±.12 **139.2E**±.49 **10** **4.2b** **11 20-146**
NEIC V 15 12 08 14.4 51.06S 139.13E 10 4.2b **¶97v2611**
EIDC V 15 12 08 16.4 50.8S 138.1E 0 3.9b,3.8s
NEIC Poor solution.
ISC V 15 14 53 20±1.1 **51.2S**±.13 **139.6E**±.60 **10** **4.2b** **10 19-150**
NEIC V 15 14 53 19.7 51.27S 139.60E 10 4.0b **¶97v2633**
EIDC V 15 14 53 20.4 51.2S 139.6E 0 3.9b,3.8L
NEIC Poor solution.
EIDC V 15 22 38 47.1 **50.4S** **137.8E** **0** 3.6b,3.5L **18-145**
¶97v2689
ISC V 18 22 54 26.9±.45 **51.40S**±.053 **139.5E**±.23 **10** **4.6b,4.2s** **82 10-153**
EIDC V 18 22 54 23.8 51.5S 141.3E 0 4.3b,4.1s **¶97v3156**
NEIC V 18 22 54 26.7 51.41S 139.56E 10 4.7b,4.6s
BJI V 18 22 54 28.7 51.40S 139.60E 10 5.4b
MOS V 18 22 54 31.8 50.7S 141.1E 10 4.9b
NEIC Less reliable solution.
ISC V 19 15 32 45±1.0 **51.5S**±.11 **137.0E**±.61 **10** **3.9b**,2.7s **8 20-144**
EIDC V 19 15 32 46.4 51.3S 139.0E 0 3.7b,2.7s **¶97v3272**
EIDC V 19 16 06 06.4 **51.4S** **139.1E** **0** **3.5b**,3.4L **20-146**
¶97v3275
EIDC V 19 16 22 44.1 **51.4S** **138.7E** **0** **3.5b**,3.6L **20-32**
¶97v3281
NEIC V 20 10 21 30.5 **51.09S** **138.56E** **33** 4.2b **19-145**
EIDC V 20 10 21 27.8 51.1S 138.1E 0 3.8b,3.2s **¶97v3388**
NEIC Poor solution.
EIDC V 20 12 23 34.4 **51.2S** **137.4E** **0** **3.6b**,2.9s **20-145**
¶97v3397
NEIC V 20 14 33 52.8 **51.16S** **139.87E** **33** 4.0b **19-146**
EIDC V 20 14 33 50.1 51.2S 139.3E 0 3.6b,3.7L **¶97v3419**
NEIC Poor solution.
ISC V 20 15 34 25±1.1 **51.3S**±.12 **138.8E**±.54 **10** **4.3b**,3.6s **14 20-152**
NEIC V 20 15 34 25.1 51.28S 139.04E 10 4.4b **¶97v3428**
EIDC V 20 15 34 25.6 51.2S 138.7E 0 4.0b,3.8s
NEIC Poor solution.
EIDC V 24 19 43 33.0 **48.9S** **124.7E** **0** **3.7b** **21-145**
¶97v4160
ISC VI 02 12 11 39.7±.55 **51.37S**±.066 **139.2E**±.27 **10** **4.5b,4.2s** **42 10-152**
BJI VI 02 12 11 39.2 51.40S 139.20E 10 5.4b **¶97vi0233**
NEIC VI 02 12 11 39.2 51.36S 139.18E 10 4.7b
EIDC VI 02 12 11 39.8 51.4S 139.0E 0 4.3b,4.1s
NEIC Less reliable solution.
EIDC VI 03 11 38 15.6 **48.4S** **121.8E** **0** 3.7b **22-146**
¶97vi0443
ISC VI 10 13 04 06.0±.90 **49.8S**±.10 **117.9E**±.38 **10** **3.9b,3.8s** **20 15-149**
EIDC VI 10 13 04 06.5 49.9S 117.9E 0 3.9b,3.8s **¶97vi1524**
NEIC VI 10 13 04 06.7 49.80S 117.79E 10 4.0b
NEIC Poor solution.
ISC VI 10 13 04 56.3±.96 **49.7S**±.13 **117.6E**±.42 **10** **4.0b** **14 17-150**
NEIC VI 10 13 04 56.2 49.68S 117.66E 10 4.3b **¶97vi1525**
EIDC VI 10 13 04 56.3 49.7S 117.7E 0 4.0b,4.4L
NEIC Poor solution.
ISC VI 14 10 08 06.5±.90 **50.2S**±.12 **114.6E**±.28 **10** **4.3b,3.0s** **16 17-151**
NEIC VI 14 10 08 06.3 50.20S 114.56E 10 4.5b **¶97vi2115**
EIDC VI 14 10 08 10.9 50.2S 114.5E 32 4.0b,3.0s
NEIC Less reliable solution.
ISC VI 16 22 57 33.0±.41 **48.11S**±.051 **125.3E**±.13 **10** **4.8b,4.1s** **65 15-153**
BJI VI 16 22 57 27.3 49.05S 126.01E 10 5.1b **¶97vi2521**
NEIC VI 16 22 57 32.4 48.10S 125.30E 10 4.7b
EIDC VI 16 22 57 32.7 48.1S 125.3E 0 4.5b,3.6s
EIDC VI 23 02 09 04.3 **48.7S** **124.3E** **0** **3.7b**,4.0s **21-32**
¶97vi3472

SEISMIC REGION 34.
EASTERN NORTH AMERICA.

(438) Saskatchewan Province.

ISC IV 18 00 25 36.4±.91 **49.15N**±.093 **105.7W**±.15 **0** **7 6-20**
EIDC IV 18 00 25 38.9 49.2N 105.8W 0 3.5L **¶97iv3000**
EIDC IV 23 12 55 26.0 **52.4N** **103.8W** **0** **3.9L** **5-12**
¶97iv3961

(440) Hudson Bay.

ISC V 13 21 06 10.9±.89 **62.7N**±.13 **81.6W**±.17 **18** **7 6-15**
OTT V 13 21 06 13.6 62.5N 81.3W 18 3.0N **¶97v2328**
OTT Near Coats Island, northern Hudson Bay. Boothia Ungava seismic zone. 177 km west from Ivugivik, Quebec.

(441) Ontario.

ISC IV 12 07 21 39.2±.39 **48.14N**±.043 **80.00W**±.057 **0** **3.6b** **42 2-141**
EIDC IV 12 07 21 41.1 48.1N 79.9W 0 3.5b,3.7L **¶97iv2029**
OTT IV 12 07 21 42.1 48.1N 80.1W 0 3.7N
OTT Mining activity, Kirkland Lake, Ontario. Macassa mine. Felt 3km southwest from Kirkland Lake, Ontario
ISC IV 12 12 11 35.7±.44 **48.37N**±.057 **79.94W**±.059 **0** **3.7b** **32 2-58**
EIDC IV 12 12 11 37.9 48.1N 79.9W 0 3.7b,3.7L **¶97iv2064**
OTT IV 12 12 11 38.3 48.1N 80.1W 0 3.7N
OTT Mining activity, Kirkland Lake, Ontario. Macassa Mine. Felt 3km southwest from Kirkland Lake, Ontario

(443) Northern Québec Province.

ISC II 18 09 45 12.1±.70 **60.02N**±.088 **73.7W**±.17 **18** **3.1b** **12 3-32**
EIDC II 18 09 45 12.5 60.2N 73.5W 0 3.3L,3.2b **¶97ii2625**
OTT II 18 09 45 14.9 60.1N 73.5W 18 3.3N
OTT Boothia Ungava seismic zone. 189km southwest from Kangiqsujuaq (Maricourt), Quebec

(444) Davis Strait.

ISC IV 26 11 01 29.1±.72 **68.2N**±.14 **54.4W**±.26 **10** **3.4b** **10 7-38**
EIDC IV 26 11 01 29.2 68.3N 54.3W 0 3.4b,3.7L **¶97iv4534**
NEIC IV 26 11 01 29.3 68.25N 54.27W 10 3.4b
OTT IV 26 11 01 33.3 68.6N 55.9W 18 4.0L
NEIC Less reliable solution.
OTT Castern Davis Strait. 322km northeast from Cape Dyer, Northwest Territories

(446) East of Labrador.

OTT IV 18 10 06 33.5 **55.8N** **55.3W** **18** **3.1L** **¶97iv3058**
OTT Labrador Sea seismic zone 7.17km E from Kangiqsualujjuaq, Quebec

(447) Southern Québec Province.

ISC I 10 19 27 27.4±.53 **47.54N**±.064 **70.17W**±.086 **19**±6.2 **19 0-6**
OTT I 10 19 27 27.6 47.5N 70.2W 17 3.2N **¶97i1412**
OTT Felt in St−Irenee, St−Joseph−de−la−Rive and St−Hilarion. 16km south from La Malbaie, Quebec
ISC II 14 14 59 07±1.2 **49.09N**±.097 **67.6W**±.16 **18**±21 **9 0-4**
OTT II 14 14 59 07.4 49.1N 67.6W 18 3.0N **¶97ii2067**
OTT Lower St. Lawrence seismic zone, Quebec
ISC IV 03 04 44 11.7±.37 **45.96N**±.035 **72.36W**±.056 **5** **31 1-7**
NEIC IV 03 04 44 12.0 45.98N 72.33W 5 **¶97iv0380**
OTT IV 03 04 44 12.7 46.0N 72.3W 18 3.6N
NEIC mbLg3.5(OTT)
OTT Felt. Southern Quebec. Felt by many people in the Drummondville region. Many calls to local police station. Most thought tremor was caused by an airplane. 15km northeast from Drummondville, Quebec.
ISC VI 20 13 52 50±1.2 **46.73N**±.055 **75.00W**±.069 **4**±10 **23 1-10**
OTT VI 20 13 52 52.2 46.6N 75.0W 18 3.4N **¶97vi3071**
OTT Western Quebec seismic zone. Felt at Ste.−Veronique, Quebec and in the municipalities in the surrounding Nominingue and Chute−St−Philippe areas, 36 km east from Mont−Laurier, Quebec

(448) Gaspé Peninsula.

ISC I 14 04 47 31.8±.52 **47.64N**±.059 **69.84W**±.072 **18**±6.9 **19 0-8**
OTT I 14 04 47 32.4 47.7N 69.9W 15 3.1N **¶97i1954**
OTT 21km east from La Malbaie, Quebec. Weakly felt in St−Fidele.
ISC I 18 02 46 06±5.1 **49.6N**±.19 **66.6W**±.36 **3**±26 **8 0-5**
OTT I 18 02 46 09.6 49.5N 66.9W 18 3.1N **¶97i2585**
OTT Felt by residents of Pointe−aux−Anglais and by a few at Riviere−Pentecote. First of a series of events.

(456) Montana.

ISC I 21 04 03 16±3.1 **47.8N**±.20 **114.3W**±.28 **3**±24 **8 0-3**
NEIC I 21 04 03 15.7 47.83N 114.29W 4 **¶97i3134**
NEIC M_L2.6(BUT). Felt, After BUT.
NEIC Felt in the Big Arm-Rollins area.
ISC I 21 04 12 42±1.7 **47.8N**±.15 **114.3W**±.15 **5** **6 0-2**
NEIC I 21 04 12 41.7 47.84N 114.28W 5 **¶97i3135**
NEIC M_L2.2(BUT). Felt, After BUT.
NEIC Felt in the Big Arm-Rollins area.
ISC I 23 19 58 59±5.9 **47.9N**±.33 **113.8W**±.52 **7** **7 2-3**
NEIC I 23 19 59 01.9 47.69N 113.74W 7 **¶97i3541**
NEIC M_L3.1(BUT), After BUT.
ISC I 26 09 59 32.7±.94 **45.29N**±.047 **112.5W**±.12 **8**±11 **10 0-2**
NEIC I 26 09 59 33.2 45.29N 112.54W 7 **¶97i3922**
NEIC M_L3.6(BUT). Felt, After BUT.
NEIC Felt in the Dillon area. A magnitude 2.2 foreshock occurred 18.5 seconds earlier.
ISC II 02 20 14 37±1.6 **48.0N**±.11 **114.5W**±.36 **5** **12 2-15**
NEIC II 02 20 14 40.9 47.82N 114.22W 5 **¶97ii0271**
NEIC M_D3.6(BUT). Felt, After BUT.
NEIC Felt at Rollins, Dayton and along the shore of Big Arm Bay, Flathead Lake. Also felt along the east shore of Flathead Lake about 5 km north of Yellow Bay.
ISC II 03 02 59 55±5.7 **47.5N**±.30 **113.9W**±.49 **1** **6 2-3**
NEIC II 03 02 59 50.4 47.78N 114.22W 1 **¶97ii0310**
NEIC M_D2.9(BUT). Felt, After BUT.
NEIC Felt at Rollins.
ISC II 05 21 22 08.1±.89 **47.56N**±.095 **114.0W**±.15 **20**±11 **15 0-3**
NEIC II 05 21 22 08.2 47.57N 113.94W 19 **¶97ii0752**
NEIC M_L3.0(BUT), After BUT.
ISC II 28 05 55 53±1.0 **46.09N**±.076 **111.5W**±.12 **12**±11 **9 0-2**
NEIC II 28 05 55 53.5 46.09N 111.49W 11 **¶97ii4150**
NEIC M_L2.7(BUT), After BUT.
ISC III 03 20 15 13±1.5 **47.8N**±.11 **114.11W**±.091 **5** **12 0-3**
NEIC III 03 20 15 13.4 47.84N 114.12W 5 **¶97iii0688**
NEIC M_L2.8(BUT). Felt, After BUT.
NEIC Felt at Rollins.
ISC III 21 16 25 46±1.1 **46.96N**±.085 **113.0W**±.11 **22**±13 **18 1-4**
NEIC III 21 16 25 45.7 46.99N 112.89W 16 **¶97iii4100**
NEIC M_L3.4(BUT), After BUT.
ISC III 24 03 21 04±1.7 **47.4N**±.12 **113.2W**±.16 **25**±17 **17 1-3**
NEIC III 24 03 21 03.7 47.40N 113.13W 21 **¶97iii4518**
NEIC M_D3.1(BUT), After BUT.
ISC VI 28 03 02 37.5±.55 **47.52N**±.074 **115.81W**±.048 **0** **44 1-8**
NEIC VI 28 03 02 37.7 47.50N 115.82W 2 **¶97vi4404**
NEIC $M_{L3.4}$(BUT), $M_{L3.1}$(GS).
NEIC Rockburst at the Lucky Friday Mine near Mullan, Idaho. Felt at Mullan, Osburn and Wallace, Idaho.

(457) Eastern Idaho.

ISC I 17 14 59 33±5.1 **44.6N**±.23 **113.8W**±.39 **5** **9 1-3**
NEIC I 17 14 59 31.1 44.53N 113.89W 5 **¶97i2471**
NEIC M_D3.4(BUT), Poor solution.
ISC IV 06 12 48 51±1.9 **44.45N**±.064 **113.9W**±.11 **2**±14 **18 1-4**
NEIC IV 06 12 48 52.4 44.42N 113.73W 5 **¶97iv0997**
NEIC M_L3.1(BUT), Less reliable solution.

(458) Hebgen Lake region.

ISC I 05 01 11 05.8±.43 **44.91N**±.033 **111.59W**±.065 **6** **23 0-7**
NEIC I 05 01 11 05.3 44.84N 111.55W 6 **¶97i0604**
NEIC M_L3.7(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Lodge (after BUT)
ISC II 12 01 51 52.6±.97 **44.8N**±.10 **111.5W**±.11 **8**±12 **10 0-2**
NEIC II 12 01 51 53.0 44.84N 111.54W 5 **¶97ii1702**
NEIC M_L1.9(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.
ISC II 12 02 09 06.7±.94 **44.82N**±.093 **111.6W**±.11 **10**±10 **10 0-2**
NEIC II 12 02 09 07.1 44.84N 111.55W 4 **¶97ii1705**
NEIC M_L2.3(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.
ISC II 12 03 15 45.9±.79 **44.88N**±.053 **111.58W**±.091 **4** **10 0-2**
NEIC II 12 03 15 46.2 44.84N 111.55W 4 **¶97ii1713**
NEIC M_L2.5(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.
ISC II 12 04 23 47.8±.87 **44.86N**±.072 **111.57W**±.096 **6**±11 **10 0-2**
NEIC II 12 04 23 48.1 44.85N 111.55W 4 **¶97ii1721**
NEIC M_L2.6(BUT). Felt, After BUT.
NEIC Felt at Wade Lake Resort.
ISC II 13 19 12 08±1.4 **44.84N**±.089 **111.6W**±.15 **9**±11 **12 0-2**
NEIC II 13 19 12 08.6 44.84N 111.55W 5 **¶97ii1968**
NEIC M_L3.0(BUT), After BUT.

(459) Yellowstone National Park, Wyoming.

ISC III 04 01 10 39±1.0 **44.81N**±.048 **110.94W**±.084 **10**±8.3 **16 0-3**
NEIC III 04 01 10 37.8 44.81N 110.94W 5 **¶97iii0738**
NEIC $M_{L2.9}$(BUT).
ISC III 04 02 01 34.3±.96 **44.80N**±.045 **110.94W**±.081 **0**±8.6 **18 0-5**
NEIC III 04 02 01 34.7 44.78N 110.94W 5 **¶97iii0749**
NEIC $M_{L3.2}$(BUT).
ISC III 04 07 21 10±1.6 **44.80N**±.047 **110.9W**±.12 **4**±11 **18 0-4**
NEIC III 04 07 21 09.5 44.80N 110.92W 5 **¶97iii0801**
NEIC $M_{L3.4}$(BUT).
ISC III 04 09 06 43.8±.83 **44.80N**±.043 **110.9W**±.11 **5** **18 0-6**
NEIC III 04 09 06 43.8 44.78N 110.95W 5 **¶97iii0818**
NEIC $M_{L3.4}$(BUT).
ISC VI 11 01 35 16.4±.45 **44.76N**±.037 **110.81W**±.071 **5** **30 1-7**
NEIC VI 11 01 35 16.1 44.76N 110.81W 5 **¶97vi1602**
NEIC M_L3.9(BUT), M_L3.3(GS). Felt.
ISC VI 15 01 48 51±1.1 **44.74N**±.042 **110.85W**±.072 **4**±9.5 **20 0-6**
NEIC VI 15 01 48 50.9 44.73N 110.85W 5 **¶97vi2209**
NEIC M_L3.0(GS). Felt.
ISC VI 15 02 50 25±1.0 **44.74N**±.034 **110.86W**±.058 **6**±8.4 3.6b **46 0-28**
EIDC VI 15 02 50 22.7 44.8N 110.7W 0 3.8L,3.7b **¶97vi2221**
NEIC VI 15 02 50 24.6 44.74N 110.86W 5
NEIC $M_{L3.9}$(BUT), $M_{L3.8}$(GS)
NEIC Felt at Old Faithful.
ISC VI 15 03 24 12.7±.56 **44.74N**±.043 **110.85W**±.079 **5** **19 0-5**
NEIC VI 15 03 24 12.5 44.74N 110.84W 5 **¶97vi2230**
NEIC $M_{L3.1}$(BUT).
ISC VI 15 05 03 56.0±.61 **44.74N**±.048 **110.85W**±.084 **5** **16 0-3**
NEIC VI 15 05 03 55.8 44.73N 110.86W 5 **¶97vi2244**
NEIC $M_{L3.0}$(BUT).
ISC VI 16 02 33 08±1.3 **44.74N**±.034 **110.85W**±.060 **13**±11 3.4b **43 0-28**
EIDC VI 16 02 33 05.9 44.9N 110.4W 0 3.5L,3.5b **¶97vi2390**
NEIC VI 16 02 33 06.9 44.73N 110.86W 5
NEIC M_L4.3(BUT), M_L3.9(GS). Felt.
ISC VI 28 20 36 09.3±.44 **44.36N**±.046 **110.79W**±.082 **5** 3.6b **34 1-29**
NEIC VI 28 20 36 08.9 44.36N 110.81W 5 **¶97vi4520**
EIDC VI 28 20 36 11.8 44.3N 110.4W 0 3.6L,3.7b
NEIC $M_{L3.8}$(GS), $M_{L3.5}$(BUT).

(460) Wyoming.

EIDC I 21 20 15 28.4 43.7N 105.3W 0 4.1L 3-20
¶97i3223
ISC I 25 23 35 00±1.0 **41.91N**±.088 **108.5W**±.16 **0** **5 1-21**
EIDC I 25 23 35 02.3 42.0N 108.6W 0 3.5L,2.9b **¶97i3857**
ISC Probably mine blast (after NEIC)
ISC II 08 20 13 11±1.4 **43.5N**±.19 **105.0W**±.15 **0** **3.8b** **8 3-67**
EIDC II 08 20 13 12.2 43.4N 105.0W 0 3.9L,3.6b **¶97ii1200**
ISC Possible mine blast (after NEIC)
EIDC II 17 18 55 47.0 41.6N 108.2W 0 2.8b,3.9L **2-21**
¶97ii2528
ISC II 21 21 01 55.4±.87 **44.28N**±.082 **105.3W**±.16 **0** **12 3-19**
EIDC II 21 21 01 59.2 44.5N 105.7W 0 3.8L **¶97ii3124**
ISC Probably mine blast (after NEIC)
EIDC III 04 19 10 55.2 44.4N 105.7W 0 3.8L 3-19
¶97iii0907
EIDC III 14 23 19 50.7 44.6N 106.3W 0 3.4L 3-19
¶97iii2961
ISC III 27 23 00 10.2±.99 **44.6N**±.11 **105.6W**±.18 **0** **6 3-19**
EIDC III 27 23 00 13.2 44.6N 105.8W 0 3.6L **¶97iii5326**
ISC Possible mine blast (after NEIC)
ISC IV 02 21 05 39±1.4 **44.20N**±.070 **105.0W**±.12 **39**±28 **20 4-19**
EIDC IV 02 21 05 36.6 44.1N 105.0W 0 3.8L **¶97iv0319**
ISC IV 05 16 31 43.9±.48 **41.84N**±.039 **110.60W**±.080 **0** **19 1-21**
EIDC IV 05 16 31 43.7 41.6N 109.9W 0 2.6L,2.6b **¶97iv0805**
ISC Possible mine blast (after NEIC)
ISC IV 25 10 39 07±1.4 **42.68N**±.082 **108.7W**±.17 **5** **15 1-5**
NEIC IV 25 10 39 06.7 42.68N 108.73W 5 **¶97iv4326**
NEIC $M_{L3.1}$(GS).
EIDC IV 25 18 53 52.4 41.6N 110.6W 0 2.5b,2.6L **1-21**
¶97iv4397
ISC IV 26 15 45 11.4±.88 **41.66N**±.068 **108.7W**±.12 **0** **12 2-4**
ISC Probable mining explosion (after NEIC) **¶97iv4572**
ISC IV 27 18 21 37.9±.79 **41.83N**±.061 **108.9W**±.11 **0** **14 1-4**
ISC Probable mining explosion (after NEIC) **¶97iv4773**
EIDC V 15 12 30 53.6 44.1N 105.6W 0 3.4L 3-19
NEIC Probable mining explosion **¶97v2616**
ISC VI 02 20 25 04±1.1 **44.3N**±.11 **105.3W**±.18 **0** **5 3-19**
EIDC VI 02 20 25 06.2 44.3N 105.4W 0 3.9L **¶97vi0314**
ISC Possible mine blast (after NEIC)

(464) Minnesota.

EIDC II 11 17 40 55.3 47.7N 96.3W 0 3.2L 3-19
¶97ii1654

(470) Southern Ontario.

ISC V 24 18 52 07.7±.29 **45.95N**±.030 **74.30W**±.042 **18** **3.3b** **63 0-148**
NEIC V 24 18 52 06.3 45.98N 74.42W 10 **¶97v4156**
EIDC V 24 18 52 07.3 46.1N 74.5W 0 4.2L,3.5b
OTT V 24 18 52 09.7 45.9N 74.2W 18 4.2N
NEIC mbLg4.2(OTT), mbLg3.9(GS)
NEIC Felt in the Montreal-Ottawa area.
OTT Western Quebec seismic zone. Felt 17 km south from Ste−Agathe−des−Monts, Quebec. Felt in the region from Ottawa to Montreal. Locates close to the M4.4 event of March 14, 1996.

(473) Pennsylvania.

ISC VI 16 05 43 17±2.0 **40.09N**±.081 **76.95W**±.099 **11**±17 **8 0-3**
NEIC VI 16 05 43 16.6 40.10N 76.97W 5 **¶97vi2406**
NEIC M_D2.2(NED), mbLg1.9(GS). Less reliable solution.
NEIC Felt I=IV MM in the Franklintown area and III MM at Dillsburg.

(478) Utah.

EIDC IV 13 17 50 50.9 39.9N 110.8W 0 3.2L,2.7b **3-23**
¶97iv2277
ISC IV 14 09 30 48.1±.55 **39.05N**±.056 **111.39W**±.057 **0** **15 1-5**
NEIC IV 14 09 30 48.4 39.05N 111.39W 5 **¶97iv2433**
ISC Possible mining explosion (after NEIC)
NEIC $M_{D3.1}$(SLC).
ISC IV 17 15 05 00.9±.47 **39.71N**±.046 **110.63W**±.067 **0** **18 0-4**
NEIC IV 17 15 05 01.1 39.71N 110.63W 5 **¶97iv2922**
ISC Probable mining explosion (after NEIC)
NEIC $M_{D2.9}$(SLC).
EIDC V 11 15 05 03.2 40.7N 111.9W 0 3.2L 3-13
¶97v1800

(479) Colorado.

ISC I 18 22 04 35.2±.69 **39.12N**±.065 **104.58W**±.085 **5** 3.3b **11 1-35**
EIDC I 18 22 04 38.3 39.3N 104.5W 0 3.5L,3.3b **¶97i2720**
NEIC I 18 22 04 39.0 39.10N 105.10W 5 3.3b
NEIC M_L2.8(GS). Felt, After MACR.
NEIC Felt in the Woodland Park area. Felt in El Paso and Teller Counties.
ISC I 18 22 45 50±2.9 **39.3N**±.15 **104.5W**±.27 **0** 2.6b **6 1-24**
EIDC I 18 22 45 49.6 39.2N 104.3W 0 2.5b,2.9L **¶97i2728**
ISC I 19 03 56 56.5±.91 **39.21N**±.078 **105.1W**±.11 **5** 2.8b **7 1-24**
NEIC I 19 03 56 56.3 39.10N 105.10W 5 2.9b **¶97i2774**
NEIC M_L2.6(GS). Felt, After MACR.
NEIC Felt in the Woodland Park area. Felt in El Paso and Teller Counties.
ISC I 19 04 36 15±2.5 **39.17N**±.096 **104.9W**±.18 **19**±23 3.1b **8 1-24**
EIDC I 19 04 36 13.1 39.4N 104.5W 0 3.2b,3.1L **¶97i2780**
NEIC I 19 04 36 15.0 39.10N 105.10W 5
NEIC M_L2.7(GS). Felt, After MACR.
NEIC Felt in the Woodland Park area. Felt in El Paso and Teller Counties.
ISC IV 02 23 30 36.4±.53 **40.33N**±.042 **107.78W**±.075 **0** 3.0b **23 2-23**
EIDC IV 02 23 30 31.9 40.0N 107.7W 0 3.6L,2.9b **¶97iv0350**
ISC Probable mining explosion (after NEIC)
ISC V 02 22 09 01±1.6 **40.6N**±.12 **107.5W**±.28 **0** 2.7b **4 3-22**
EIDC V 02 22 09 02.4 40.7N 107.3W 0 3.1L,2.7b **¶97v0335**
ISC Probable mine blast (after NEIC), Poorly determined

(486) New Madrid, Missouri, region.

ISC VI 26 17 55 31±1.8 **36.6N**±.10 **89.64W**±.099 **13**±12 **9 0-4**
NEIC VI 26 17 55 30.9 36.61N 89.64W 10 **¶97vi4177**
NEIC mbLg2.5(GS).

(495) Eastern Arizona.

EIDC I 27 22 37 09.1 32.7N 109.9W 0 3.3b,3.7L **6-30**
¶97i4137
ISC II 06 21 11 16±2.0 **33.1N**±.20 **109.4W**±.25 **0** 3.1b **5 3-39**
EIDC II 06 21 11 19.3 33.1N 109.3W 0 2.9L,3.3b **¶97ii0907**
ISC Possible mine blast(after NEIC), Poorly determined
ISC III 26 19 49 58±1.2 **33.1N**±.13 **109.4W**±.13 **0** 3.1b **5 3-30**
EIDC III 26 19 50 00.4 33.0N 109.4W 0 3.5L,3.3b **¶97iii5065**
ISC Possible mine blast (after NEIC)
ISC IV 18 21 25 06±1.2 **35.5N**±.15 **109.8W**±.21 **0** **5 7-14**
EIDC IV 18 21 25 07.9 35.4N 109.7W 0 3.7L **¶97iv3121**
ISC IV 30 20 12 43±2.1 **33.1N**±.21 **109.6W**±.25 **0** 3.0b **4 3-39**
EIDC IV 30 20 12 46.0 33.2N 109.5W 0 3.0b,3.0L **¶97iv5259**
ISC Probable mining explosion (after NEIC), Poorly determined
ISC VI 09 21 14 39±1.1 **32.8N**±.13 **109.3W**±.12 **0** 3.3b **7 3-39**
EIDC VI 09 21 14 41.3 32.8N 109.3W 0 3.6L,3.4b **¶97vi1441**
ISC Probable mining explosion (after NEIS)
EIDC VI 10 19 22 33.5 33.0N 109.8W 0 2.9L **3-10**
¶97vi1560
EIDC VI 11 22 41 41.4 32.8N 109.6W 0 3.5L,3.0b **3-39**
ISC Probable mining explosion (after NEIS) **¶97vi1764**

(496) New Mexico.

EIDC V 01 21 34 07.2 32.2N 108.8W 0 3.5L 5-11
¶97v0160
ISC V 20 09 41 07.8±.56 **34.28N**±.053 **105.93W**±.065 **10** **18 1-7**
NEIC V 20 09 41 05.8 34.19N 105.74W 10 **¶97v3380**
NEIC mbLg3.2(GS), M_D2.7(SNM). Felt, After SNM.
NEIC Felt in the Corona area.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °

(497) Texas Panhandle region.

ISC	**II**	**12 23 53 12**±1.9	**35.0N**±.20	**100.8W**±.15	**5**		**12**	**2-6**
NEIC	II	12 23 53 10.7	34.95N	100.89W	5			**¶97ii1840**
NEIC	mbLg3.0(GS), Less reliable solution.							
ISC	**II**	**15 09 08 55.6**±.70	**34.99N**±.087	**100.60W**±.061	**5**	3.3b	**17**	**2-29**
NEIC	II	15 09 08 55.4	34.97N	100.57W	5			**¶97ii2201**
EIDC	II	15 09 09 00.0	34.9N	101.0W	0	3.7L,3.5b		
NEIC	mbLg3.2(GS).							

(499) Oklahoma.

TUL	**I**	**03 23 20 25.5**	**35.6N**	**97.8W**	**5**	**2.1D**		**¶97i0446**
TUL	**I**	**10 13 55 16.8**	**36.1N**	**98.4W**	**5**	**2.2L,2.1b**		**¶97i1370**
TUL	**I**	**10 14 03 26.8**	**34.5N**	**97.4W**	**5**	**1.7L,1.3D**		**¶97i1373**
TUL	**I**	**10 14 16 38.8**	**35.8N**	**98.2W**	**5**	**1.3D**		**¶97i1375**
TUL	**I**	**10 14 20 16.4**	**34.7N**	**97.4W**	**5**	**2.3L,2.0b**		**¶97i1377**
TUL	**I**	**10 14 33 00.5**	**35.1N**	**97.6W**	**5**	**1.3D**		**¶97i1378**
TUL	**I**	**10 14 36 12.3**	**34.7N**	**97.4W**	**5**	**1.9L,1.5D**		**¶97i1379**
TUL	**I**	**10 14 44 18.4**	**34.7N**	**97.5W**	**5**	**1.8L,1.5D**		**¶97i1381**
TUL	**I**	**10 14 58 01.8**	**34.7N**	**97.4W**	**5**	**2.5L,2.3b**		**¶97i1382**
TUL	**I**	**10 15 17 08.4**	**34.7N**	**97.4W**	**5**	**2.1L,2.0b**		**¶97i1384**
TUL	**I**	**10 15 45 22.3**	**34.8N**	**97.4W**	**5**	**2.2L,1.9b**		**¶97i1389**
TUL	**I**	**10 16 10 51.9**	**35.0N**	**97.6W**	**5**	**1.2D**		**¶97i1391**
TUL	**I**	**10 16 51 05.7**	**34.8N**	**97.3W**	**5**	**1.9L,1.6D**		**¶97i1395**
TUL	**I**	**10 17 09 22.5**	**34.8N**	**97.5W**	**5**	**2.3L,2.2b**		**¶97i1398**
TUL	**I**	**12 19 21 07.5**	**34.9N**	**96.6W**	**5**	**1.1D**		**¶97i1731**
TUL	**I**	**27 04 46 48.6**	**35.6N**	**96.2W**	**5**	**1.6L,1.5D**		**¶97i4048**
TUL	**II**	**05 14 18 54.7**	**34.2N**	**96.0W**	**5**	**2.7L,2.4b**		**¶97ii0702**
TUL	**II**	**15 00 59 01.2**	**35.2N**	**96.3W**	**5**	**1.9L,2.1D**		**¶97ii2146**
TUL	**II**	**16 11 50 49.0**	**35.1N**	**96.4W**	**5**	**1.1L,1.0D**		**¶97ii2371**
TUL	**II**	**25 15 42 15.6**	**34.7N**	**97.4W**	**5**	**1.8L,1.3D**		**¶97ii3650**
TUL	**II**	**25 16 00 13.6**	**34.7N**	**97.5W**	**5**	**2.1L,2.0b**		**¶97ii3656**
TUL	**II**	**25 16 31 52.3**	**34.7N**	**97.4W**	**5**	**1.7L,1.0D**		**¶97ii3661**
TUL	**II**	**25 16 45 11.4**	**34.7N**	**97.4W**	**5**	**2.0L,1.8b**		**¶97ii3663**
TUL	**II**	**25 17 00 34.4**	**34.7N**	**97.4W**	**5**	**1.8L,1.5D**		**¶97ii3666**
TUL	**II**	**25 18 01 21.3**	**34.7N**	**97.5W**	**5**	**2.2L,2.2b**		**¶97ii3670**
TUL	**II**	**25 19 39 49.8**	**34.7N**	**97.4W**	**5**	**2.1L,2.0b**		**¶97ii3678**
TUL	**II**	**26 00 50 52.9**	**34.4N**	**96.1W**	**5**	**1.7D**		**¶97ii3719**
TUL	**II**	**27 23 01 24.4**	**34.7N**	**97.4W**	**5**	**1.9D**		**¶97ii4055**
TUL	**II**	**27 23 45 56.7**	**35.1N**	**96.9W**	**5**	**1.7D**		**¶97ii4064**
TUL	**III**	**05 10 50 18.5**	**34.5N**	**96.4W**	**5**	**1.3D**		**¶97iii1043**
ISC	**III**	**11 13 30 31**±1.5	**34.72N**±.085	**97.50W**±.091	**4**±13		**8**	**0-4**
NEIC	III	11 13 30 30.9	34.72N	97.50W	5			**¶97iii2383**
TUL	III	11 13 30 32.2	34.7N	97.5W	5	2.6L,2.5b		
NEIC	mbLg2.5(GS)							
NEIC	Felt in the area 5 to 10 km south of Maysville.							
TUL	Felt I=III MM							
TUL	**III**	**11 13 43 59.9**	**34.7N**	**97.4W**	**5**	**2.1D**		**¶97iii2384**
TUL	Felt I=II MM							
TUL	**III**	**11 14 34 33.8**	**34.8N**	**97.5W**	**5**	**1.6D**		**¶97iii2394**
TUL	**III**	**11 14 35 32.4**	**34.7N**	**97.5W**	**5**	**1.4D**		**¶97iii2396**
TUL	**III**	**11 14 48 37.2**	**34.7N**	**97.4W**	**5**	**1.7D**		**¶97iii2397**
TUL	**III**	**11 15 13 44.0**	**34.7N**	**97.4W**	**5**	**2.0D**		**¶97iii2402**
TUL	**III**	**11 15 47 15.4**	**34.7N**	**97.5W**	**5**	**2.0D**		**¶97iii2406**
TUL	**III**	**11 17 09 20.6**	**34.7N**	**97.1W**	**5**	**1.4D**		**¶97iii2417**
TUL	**III**	**21 21 31 44.6**	**36.2N**	**98.4W**	**5**	**1.8D**		**¶97iii4140**
TUL	**III**	**21 21 45 07.6**	**36.1N**	**99.3W**	**5**	**1.9D**		**¶97iii4142**
TUL	**III**	**21 22 09 00.0**	**36.1N**	**99.0W**	**5**	**1.7D**		**¶97iii4143**
TUL	**III**	**21 23 47 20.5**	**36.0N**	**99.4W**	**5**	**2.4L,2.2b**		**¶97iii4155**
TUL	**III**	**22 06 27 40.0**	**36.1N**	**99.6W**	**5**	**1.7D**		**¶97iii4215**
TUL	**IV**	**20 10 02 30.6**	**34.7N**	**98.5W**	**5**	**1.8L,2.0b**		**¶97iv3297**
TUL	Felt I=III MM							
TUL	**V**	**07 16 59 21.2**	**35.5N**	**95.6W**	**5**	**1.6D**		**¶97v1125**
TUL	**V**	**16 02 16 15.5**	**34.5N**	**95.5W**	**5**	**1.4L,1.7D**		**¶97v2710**
TUL	**V**	**17 00 55 19.9**	**34.4N**	**97.2W**	**5**	**1.8D**		**¶97v2858**
TUL	**V**	**23 17 57 43.0**	**35.6N**	**98.0W**	**5**	**1.8D**		**¶97v3979**
TUL	**V**	**23 18 32 51.8**	**35.1N**	**97.6W**	**5**	**1.8D**		**¶97v3982**
TUL	**V**	**23 18 46 20.3**	**35.2N**	**97.7W**	**5**	**1.6D**		**¶97v3985**
TUL	**V**	**23 18 57 45.9**	**34.8N**	**97.6W**	**5**	**2.0D**		**¶97v3987**
TUL	**V**	**23 19 08 48.0**	**35.0N**	**97.6W**	**5**	**1.4D**		**¶97v3989**
TUL	**V**	**23 19 41 08.9**	**35.1N**	**97.6W**	**5**	**2.1D**		**¶97v3994**
TUL	**V**	**23 20 50 43.2**	**35.1N**	**97.6W**	**5**	**1.9D**		**¶97v4005**
TUL	**V**	**23 21 10 07.8**	**35.6N**	**98.1W**	**5**	**2.0D**		**¶97v4006**
TUL	**VI**	**07 09 04 10.5**	**34.4N**	**96.3W**	**5**	**2.0L,1.7b**		**¶97vi1072**
TUL	**VI**	**08 11 21 07.7**	**35.3N**	**95.8W**	**5**	**1.4D**		**¶97vi1228**
TUL	**VI**	**09 11 20 59.5**	**35.2N**	**95.8W**	**5**	**1.6L,1.4D**		**¶97vi1386**
TUL	**VI**	**11 00 21 21.8**	**34.5N**	**97.2W**	**5**	**1.7D**		**¶97vi1590**
TUL	**VI**	**15 23 21 01.7**	**35.3N**	**97.5W**	**5**	**1.9L,1.8b**		**¶97vi2374**
TUL	**VI**	**16 00 40 46.0**	**35.0N**	**97.4W**	**5**	**2.3L,2.0b**		**¶97vi2384**
TUL	**VI**	**16 02 48 00.1**	**35.0N**	**97.4W**	**5**	**1.8L,1.8b**		**¶97vi2392**
TUL	**VI**	**23 04 36 35.6**	**34.2N**	**96.7W**	**5**	**1.6L,1.5D**		**¶97vi3483**
TUL	**VI**	**23 05 20 49.9**	**34.2N**	**96.7W**	**5**	**1.7L,1.6b**		**¶97vi3485**
TUL	**VI**	**28 15 54 48.5**	**34.7N**	**97.5W**	**5**	**2.6L,2.2b**		**¶97vi4500**

(500) Central Texas.

ISC	**V**	**31 03 26 41.1**±.85	**33.22N**±.093	**96.00W**±.081	**5**		**9**	**2-13**
NEIC	V	31 03 26 41.3	33.18N	95.97W	5			**¶97v5144**
NEIC	mbLg3.4(GS)							
NEIC	Felt in the Commerce-Greenville area.							

(502) Arkansas.

NEIC	**I**	**09 03 07 25.9**	**33.20N**	**92.60W**	**5**			**2-4**
NEIC	mbLg2.8(GS). Felt, After MACR.							**¶97i1159**
NEIC	Felt in the El Dorado area.							
ISC	**III**	**16 19 07 28.4**±.93	**34.2N**±.12	**93.41W**±.053	**5**		**17**	**0-8**
NEIC	III	16 19 07 27.9	34.21N	93.44W	5			**¶97iii3258**
NEIC	mbLg3.4(GS)							
NEIC	Felt I=IV MM at Glenwood.							

(507) Alabama.

ISC	**V**	**19 19 45 35.4**±.62	**34.67N**±.068	**85.32W**±.053	**5**	3.1b	**17**	**1-33**
NEIC	V	19 19 45 33.6	34.78N	85.44W	5			**¶97v3299**
NEIC	mbLg2.9(GS). Less reliable solution.							
NEIC	Felt in the Summerville, Georgia area.							

(508) Western Florida.

ISC	**V**	**04 03 39 10**±4.1	**30.8N**±.33	**87.5W**±.14	**5**		**10**	**4-6**
NEIC	V	04 03 39 12.9	31.00N	87.40W	5			**¶97v0555**
NEIC	mbLg3.1(GS). Felt, After MACR.							
NEIC	Felt at Brewton and Flomaton.							

(512) North Carolina.

ISC	**VI**	**14 13 34 24**±1.0	**35.2N**±.14	**82.5W**±.14	**5**		**5**	**1-3**
NEIC	VI	14 13 34 23.8	35.16N	82.50W	5			**¶97vi2134**
NEIC	mbLg2.5(GS), Less reliable solution.							

(519) Southern Texas.

NEIC	**III**	**24 22 31 34.5**	**27.72N**	**98.05W**	**5**			**3-80**
EIDC	III	24 22 31 34.7	27.6N	98.0W	0	3.9b,4.3s		**¶97iii4630**
NEIC	mbLg3.8(GS). Poor solution.							
NEIC	Felt I=V MM at Agua Dulce, Alice and Orange Grove; III MM at Edroy.							

(523) Central Mexico.

ISC	**I**	**13 15 40 05**±3.9	**19.7N**±.17	**98.7W**±.22	**5**		**5**	**0-1**
MEX	I	13 15 40 04.7	19.7N	98.6W	5	3.0D		**¶97i1860**
ISC	**I**	**19 14 22 53**±4.7	**19.0N**±.20	**98.6W**±.39	**5**		**5**	**0-1**
MEX	I	19 14 22 53.7	19.0N	98.6W	5	3.2D		**¶97i2851**
ISC	**I**	**26 07 53 43.9**±.66	**23.08N**±.063	**102.6W**±.13	**7**	**3.5b**	**13**	**3-51**
EIDC	I	26 07 53 42.6	23.0N	102.1W	0	3.3b,4.0L		**¶97i3907**
NEIC	I	26 07 53 44.6	23.11N	102.65W	10			
MEX	I	26 07 53 51.2	22.7N	102.9W	7	4.4D		
ISC	**I**	**31 11 43 22**±2.5	**19.20N**±.073	**98.8W**±.16	**2**		**8**	**0-1**
MEX	I	31 11 43 24.5	19.2N	98.9W	2	2.8D		**¶97i4619**
ISC	**II**	**04 06 57 01.4**±.77	**18.05N**±.059	**98.26W**±.075	**83**±12	3.4b	**24**	**1-46**
MEX	II	04 06 57 04.8	18.1N	98.3W	44	4.1D		**¶97ii0483**
ISC	**II**	**08 06 29 30.2**±.71	**23.06N**±.077	**102.8W**±.11	**3**	**3.5b**	**18**	**3-52**
EIDC	II	08 06 29 25.8	23.0N	100.7W	0	3.4b		**¶97ii1104**
MEX	II	08 06 29 33.5	23.0N	102.7W	3	4.3D		
ISC	**II**	**18 15 12 53**±1.5	**24.7N**±.13	**107.6W**±.26	**33**	3.2b	**5**	**2-47**
EIDC	II	18 15 12 51.2	24.8N	107.8W	0	3.2b,3.1L		**¶97ii2662**
ISC	**III**	**04 15 34 24.1**±.76	**18.98N**±.047	**98.63W**±.054	**1**		**15**	**0-3**
MEX	III	04 15 34 22.4	19.0N	98.6W	1	3.6D		**¶97iii0880**
MEX	**III**	**08 06 26 41.5**	**19.7N**	**99.1W**	**3**	**2.7D**		**¶97iii1685**
ISC	**III**	**13 17 30 57.0**±.85	**19.03N**±.073	**98.57W**±.065	**13**		**14**	**0-3**
MEX	III	13 17 30 56.6	19.1N	98.5W	13	3.8D		**¶97iii2744**
MEX	**III**	**15 05 38 56.9**	**19.1N**	**98.5W**	**5**	**3.6D**		**¶97iii3009**
ISC	**III**	**30 12 14 44**±1.1	**19.0N**±.20	**98.04W**±.066	**9**		**10**	**0-1**
MEX	III	30 12 14 50.8	19.2N	98.5W	9	3.4D		**¶97iii5756**
ISC	**IV**	**03 21 22 29.0**±.35	**18.05N**±.032	**98.27W**±.030	**65**±3.2	**4.9b**	**247**	**1-148**
BJI	IV	03 21 22 27.3	18.52N	98.29W	36	5.4s		**¶97iv0478**
NEIC	IV	03 21 22 28.3	18.14N	98.22W	57	5.1b		
MEX	IV	03 21 22 31.7	18.0N	98.3W	30	4.8D		
MOS	IV	03 21 22 35.0	18.5N	98.0W	96	5.1b		
HRVD	IV	03 21 22 35.2±.5	18.51N±.04	98.10W±.08	52±4.9			
EIDC	IV	03 21 22 35.8	18.3N	98.2W	108	4.6b		
NEIC	Mw5.2(HRV)							
NEIC	Felt at Mexico City.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s18,c29; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.14±.61; $M_{\theta\theta}$5.21±.68; $M_{\phi\phi}$0.93±1.18; $M_{r\theta}$−3.94±.81; $M_{r\phi}$−1.18±.61; $M_{\theta\phi}$1.11±.52. Principal Axes: T 6.79,Plg18°,Azm166°; N 0.67, Plg1°,Azm75°; P −7.45,Plg72°,Azm342°. Best double couple: $M_0$7.1×10^{16}Nm, NP1:ϕ_S258°, δ27°,λ−87°. NP2:ϕ_S75°,δ63°,λ−91°.							
ISC	**IV**	**06 19 09 23**±1.3	**19.0N**±.16	**98.51W**±.092	**8**		**4**	**0-1**
MEX	IV	06 19 09 22.5	19.1N	98.4W	8	3.3D		**¶97iv1043**
ISC	Poorly determined							
ISC	**IV**	**12 19 08 25**±1.7	**18.9N**±.14	**98.54W**±.077	**1**±34		**7**	**0-1**
MEX	IV	12 19 08 25.0	19.1N	98.5W	12	3.4D		**¶97iv2110**
MEX	**IV**	**16 08 53 38.2**	**19.1N**	**98.6W**	**3**	**2.9D**		**¶97iv2727**
ISC	**IV**	**18 07 02 26**±5.1	**20.3N**±.30	**99.1W**±.12	**2**		**12**	**1-2**
MEX	IV	18 07 02 28.1	20.3N	99.1W	2	3.4D		**¶97iv3031**
ISC	**IV**	**23 06 17 22**±1.1	**18.92N**±.077	**98.54W**±.068	**5**		**9**	**0-1**
MEX	IV	23 06 17 22.1	18.9N	98.6W	5	3.5D		**¶97iv3905**
ISC	**IV**	**23 11 47 27**±1.1	**19.01N**±.091	**98.42W**±.075	**10**		**11**	**0-3**
MEX	IV	23 11 47 23.1	19.0N	98.1W	11	3.6D		**¶97iv3952**
NEIC	IV	23 11 47 27.4	19.08N	98.43W	10			
NEIC	Single network solution.							
MEX	**IV**	**29 06 11 57.6**	**18.8N**	**98.6W**	**8**	**4.1D**		**¶97iv5028**
MEX	**V**	**03 10 00 35.9**	**19.2N**	**98.6W**	**1**	**3.0D**		**¶97v0413**
MEX	**V**	**06 07 59 37.2**	**19.3N**	**98.2W**	**2**	**3.7D**		**¶97v0932**
MEX	**V**	**08 22 51 01.6**	**19.2N**	**98.9W**	**5**	**2.8D**		**¶97v1321**
MEX	**V**	**14 03 31 47.9**	**19.0N**	**98.6W**	**20**	**3.8D**		**¶97v2381**
ISC	**V**	**14 14 50 16**±2.0	**18.9N**±.16	**98.50W**±.096	**11**		**5**	**0-3**
MEX	V	14 14 50 16.8	19.1N	98.5W	11	3.8D		**¶97v2463**
ISC	**V**	**20 20 22 51**±7.2	**24.2N**±.68	**108.0W**±.26	**33**	3.9b	**4**	**6-48**
EIDC	V	20 20 22 42.3	23.5N	108.0W	0	3.6L,3.7b		**¶97v3456**
ISC	Poorly determined							
MEX	**VI**	**17 20 51 40.3**	**19.4N**	**98.4W**	**14**	**3.1D**		**¶97vi2689**
MEX	**VI**	**25 13 20 18.6**	**19.4N**	**98.6W**	**25**	**3.2D**		**¶97vi3944**
MEX	**VI**	**25 17 25 13.8**	**19.4N**	**98.9W**	**5**	**3.6D**		**¶97vi3993**
MEX	**VI**	**27 15 29 58.7**	**19.4N**	**98.5W**	**13**	**3.6D**		**¶97vi4315**

(524) Jalisco, Mexico.

ISC	**I**	**14 18 34 40**±5.8	**19.3N**±.13	**103.8W**±.50	**6**		**7**	**0-5**
MEX	I	14 18 34 39.3	19.1N	103.9W	6	4.0D		**¶97i2035**
MEX	**IV**	**24 02 03 05.8**	**20.2N**	**103.5W**	**26**	**3.6D**		**¶97iv4061**
MEX	**IV**	**24 02 27 45.6**	**20.1N**	**103.5W**	**10**	**3.6D**		**¶97iv4065**
ISC	**IV**	**24 04 50 46**±11	**20.2N**±.39	**103.7W**±.87	**20**		**4**	**1-4**
MEX	IV	24 04 50 45.7	20.2N	103.6W	20	4.1D		**¶97iv4084**
ISC	Poorly determined							
MEX	**IV**	**24 04 59 21.6**	**20.2N**	**103.5W**	**27**	**3.9D**		**¶97iv4086**
MEX	**IV**	**24 11 00 20.6**	**20.1N**	**103.5W**	**62**	**3.7D**		**¶97iv4131**

(525) Veracruz State, Mexico.

ISC	**VI**	**09 12 31 37**±1.1	**19.36N**±.084	**96.3W**±.10	**5**		**7**	**0-3**
MEX	VI	09 12 31 38.7	19.5N	96.2W	5	4.0D		**¶97vi1396**

(526) Gulf of Mexico.

ISC	**IV**	**18 14 57 46**±3.6	**26.9N**±.34	**87.3W**±.22	**33**	**3.8b**	**10**	**7-53**
NEIC	IV	18 14 57 35.3	25.78N	86.55W	33	3.9b		¶97iv3094
EIDC	IV	18 14 57 43.7	26.5N	87.1W	28	3.7b,3.6L		
NEIC	Poor solution.							

(527) Gulf of Campeche.

EIDC	**III**	**15 16 39 28.2**	**18.5N**	**92.4W**	**447**	**3.2b**		**15-87**
								¶97iii3072
ISC	**III**	**18 01 59 44.7**±.95	**19.5N**±.11	**91.95W**±.096	**33**	**3.8b**	**27**	**14-85**
NEIC	III	18 01 59 44.6	19.64N	91.99W	33	3.9b		¶97iii3470
EIDC	III	18 01 59 48.2	19.8N	91.9W	47	3.5b,3.7L		
NEIC	Less reliable solution.							

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(533) United Kingdom.

ISC	**II**	**04 22 12 55.7**±.91	**56.62N**±.063	**4.6W**±.14	**13**±7.6		**13**	**0-2**
BGS	II	04 22 12 57.1	56.61N	4.57W	7	2.7L		¶97ii0599
BGS	Felt I=III−IV MSK,Appin, Bridge of Orchy and on Rannoch Moor (after EBL)							
ISC	**II**	**10 23 09 13.7**±.55	**53.08N**±.045	**1.6W**±.12	**54**±11		**33**	**0-9**
BGS	II	10 23 09 15.5	53.19N	1.53W	13	2.9L		¶97ii1546
LDG	II	10 23 09 16.9	53.0N	1.4W	15	3.0L		
BGS	Felt I=III−IV MSK, Chesterfield, Ashgate, South Wingfield and Matlock(after HAE)							
ISC	**III**	**05 22 50 36**±6.1	**55.6N**±.42	**1.5W**±.47	**0**		**5**	**1-2**
ISC	Possible explosion (after HPK)							¶97iii1143
ISC	**III**	**23 05 56 18**±1.4	**53.42N**±.085	**1.0W**±.19	**8**		**5**	**1-1**
BGS	III	23 05 56 18.8	53.42N	1.04W	8	2.0L		¶97iii4401
BGS	Coalfield type event Felt I=III−3dV MSK, Blyth							
ISC	**IV**	**30 18 22 59**±2.5	**51.3N**±.22	**1.0E**±.12	**5**		**16**	**2-6**
NEIC	IV	30 18 22 58.4	51.36N	1.04E	5			¶97iv5240
LDG	IV	30 18 23 00.6	51.4N	1.1E		2.6L		
NEIC	Single network solution.							
ISC	**V**	**19 08 02 34**±1.4	**51.64N**±.041	**1.57W**±.083	**9**±12		**32**	**1-9**
BGS	V	19 08 02 36.0	51.76N	1.64W	6	2.7L		¶97v3220
BGS	Felt I=IV−V MSK, Carterton, Witney, Burford and Bampton							

(534) North Sea.

ISC	**I**	**18 09 09 45**±1.2	**56.3N**±.17	**3.4E**±.17	**10**		**17**	**3-13**
BER	I	18 09 09 46.6	56.1N	3.4E	0	2.4L,2.7D		¶97i2636
BGS	I	18 09 09 48.3	56.29N	3.40E	10	2.9L		
ISC	**II**	**12 03 21 24**±1.1	**60.4N**±.17	**1.8E**±.17	**11**		**7**	**2-3**
BER	II	12 03 21 25.8	60.4N	1.8E	11	1.8L,2.0D		¶97ii1717
ISC	**II**	**20 15 01 04**±1.0	**57.02N**±.096	**7.5E**±.16	**10**		**10**	**1-15**
EIDC	II	20 15 01 03.9	56.8N	7.9E	0	3.6L		¶97ii2946
NEIC	II	20 15 01 04.1	57.03N	7.45E	10			
BER	II	20 15 01 07.3	56.9N	7.9E	0			
HEL	II	20 15 01 16	57.63N	8.07E		2.9L		
NEIC	Less reliable solution.							
ISC	**IV**	**10 18 23 28.1**±.89	**56.82N**±.077	**7.1E**±.14	**15**		**14**	**3-15**
BER	IV	10 18 23 31.1	56.8N	6.7E	15	2.9D		¶97iv1726
HEL	IV	10 18 23 32	57.07N	7.01E		2.9L		
HEL	MD2.9							
ISC	**V**	**02 11 37 03**±1.3	**56.9N**±.12	**7.2E**±.12	**10**		**15**	**3-15**
NEIC	V	02 11 37 03.4	56.96N	7.07E	10			¶97v0256
EIDC	V	02 11 37 04.9	57.1N	7.0E	0	3.3L		
BER	V	02 11 37 09.5	57.1N	6.9E	19	2.9D		
HEL	V	02 11 37 11	57.30N	6.98E		2.9L		
NEIC	Poor solution.							
BER	**VI**	**11 16 15 15.6**	**60.5N**	**2.6E**	**12**	**1.5L,2.0D**		¶97vi1719
BER	**VI**	**29 02 27 44.2**	**60.9N**	**3.6E**	**9**	**1.0L,0.9D**		¶97vi4555

(535) Southern Norway.

ISC	**I**	**01 11 51 47**±3.0	**62.3N**±.19	**5.2E**±.42	**15**		**12**	**1-10**
BER	I	01 11 51 47.3	62.3N	4.9E	15	2.2L,2.6D		¶97i0070
BER	**I**	**06 22 32 10.8**	**62.3N**	**5.2E**	**13**	**1.4D**		¶97i0843
BER	**I**	**08 14 27 14.8**	**58.9N**	**5.7E**	**0**	**1.2L,1.0D**		¶97i1075
BER	Possible explosion							
ISC	**I**	**09 14 16 40**±13	**58.1N**±.85	**6.2E**±.59	**0**		**5**	**1-2**
BER	I	09 14 16 45.4	58.4N	6.6E	0	1.6L,2.1D		¶97i1232
BER	Explosion							
BER	**I**	**10 07 35 11.4**	**59.3N**	**5.8E**	**15**	**2.0D**		¶97i1330
ISC	**I**	**10 12 56 11**±1.5	**59.5N**±.15	**10.8E**±.15	**0**		**6**	**1-8**
BER	I	10 12 56 15.4	59.6N	10.6E	0	1.9L,1.9D		¶97i1365
ISC	**I**	**10 20 45 31**±8.4	**59.3N**±.49	**5.4E**±.53	**0**		**4**	**1-1**
BER	I	10 20 45 30.7	59.2N	5.4E	0			¶97i1425
ISC	Poorly determined							
ISC	**I**	**14 10 13 12**±3.7	**60.17N**±.082	**4.5E**±.40	**4**±24		**8**	**0-3**
BER	I	14 10 13 14.0	60.2N	4.5E	0	2.1L,1.5D		¶97i1979
ISC	**I**	**14 13 31 44**±1.2	**60.51N**±.080	**5.4E**±.22	**0**		**5**	**0-12**
BER	I	14 13 31 44.8	60.5N	5.4E	0	1.4L,0.9D		¶97i1998
BER	**I**	**14 14 29 52.7**	**59.3N**	**5.5E**	**0**	**1.5L,0.9D**		¶97i2006
ISC	**I**	**16 06 29 33**±1.3	**59.33N**±.089	**5.4E**±.21	**0**		**4**	**0-1**
BER	I	16 06 29 34.2	59.3N	5.5E	0	0.7L,0.8D		¶97i2263
ISC	Poorly determined							
BER	**I**	**16 13 03 13.0**	**59.4N**	**10.6E**	**0**	**1.8L,1.7D**		¶97i2314
ISC	**I**	**16 13 24 35**±1.4	**59.93N**±.065	**5.2E**±.25	**0**		**5**	**0-1**
BER	I	16 13 24 36.4	59.9N	5.2E	0	0.9L,0.7D		¶97i2315
BER	**I**	**21 02 39 59.5**	**59.1N**	**5.4E**	**15**			¶97i3126
ISC	**I**	**23 15 58 16**±1.3	**59.40N**±.096	**6.0E**±.15	**0**		**5**	**0-1**
BER	I	23 15 58 16.6	59.3N	6.1E	0	1.5L,1.2D		¶97i3522
BER	Possible explosion							
ISC	**I**	**24 12 20 12**±2.0	**59.5N**±.18	**10.9E**±.13	**8**±13		**8**	**1-12**
BER	I	24 12 20 14.7	59.5N	10.7E	0	1.9L,2.1D		¶97i3646
BER	**I**	**30 15 08 28.2**	**59.3N**	**6.8E**	**0**			¶97i4499
BER	**II**	**01 08 31 36.9**	**61.5N**	**4.0E**	**15**	**1.3D**		¶97ii0044
BER	**II**	**03 14 19 26.0**	**58.3N**	**6.5E**	**0**	**1.7L,1.9D**		¶97ii0388
BER	Explosion							
BER	**II**	**09 07 01 20.4**	**61.8N**	**4.6E**	**7**	**0.9D**		¶97ii1274
BER	**II**	**20 20 36 33.6**	**61.9N**	**4.4E**	**0**	**1.2L,1.0D**		¶97ii2974
BER	**II**	**27 10 26 08.5**	**61.9N**	**4.6E**	**23**	**1.5L,1.6D**		¶97ii3946
BER	**III**	**05 06 47 32.1**	**59.8N**	**5.8E**	**15**	**1.0L,1.0D**		¶97iii1002
ISC	**III**	**07 14 17 07**±3.8	**60.40N**±.099	**5.6E**±.69	**0**		**4**	**1-4**
BER	III	07 14 17 05.0	60.4N	4.9E	0			¶97iii1533
ISC	Poorly determined							
BER	Explosion							
ISC	**III**	**10 02 06 56**±3.9	**62.6N**±.35	**6.6E**±.38	**33**		**5**	**0-4**
								¶97iii2129
BER	**III**	**17 12 05 35.1**	**59.0N**	**9.8E**	**0**			¶97iii3378
BER	**III**	**17 14 52 24.1**	**59.4N**	**6.1E**	**0**	**1.0L,1.3D**		¶97iii3390
ISC	**III**	**18 17 19 02**±8.5	**61.9N**±.54	**5.4E**±.36	**0**		**6**	**0-2**
BER	III	18 17 19 03.4	62.0N	5.2E	0	1.9L,1.9D		¶97iii3571
BER	**III**	**19 13 58 57.6**	**59.5N**	**4.5E**	**15**	**1.7L,1.1D**		¶97iii3718
BER	**III**	**22 10 15 36.0**	**61.5N**	**4.5E**	**20**	**0.5L,1.1D**		¶97iii4245
ISC	**III**	**22 14 13 17.3**±.81	**60.55N**±.053	**6.0E**±.23	**0**		**7**	**1-2**
BER	III	22 14 13 19.2	60.5N	6.0E	0	1.7L,1.9D		¶97iii4279
ISC	**III**	**26 13 37 30**±2.1	**59.3N**±.14	**5.7E**±.31	**0**		**4**	**0-1**
BER	III	26 13 37 30.9	59.3N	5.7E	0	1.1D		¶97iii4984
ISC	Poorly determined							
BER	**III**	**27 00 15 36.9**	**62.0N**	**5.2E**	**15**	**2.0D**		¶97iii5099
ISC	**IV**	**03 11 00 15**±1.9	**59.2N**±.18	**5.5E**±.21	**12**		**4**	**0-1**
BER	IV	03 11 00 15.9	59.2N	5.5E	12	1.2L,1.1D		¶97iv0417
ISC	Poorly determined							
ISC	**IV**	**03 13 58 33**±2.7	**60.3N**±.12	**5.3E**±.53	**0**		**4**	**1-4**
BER	IV	03 13 58 34.7	60.3N	5.1E	0	1.6D		¶97iv0437
ISC	Poorly determined							
ISC	**IV**	**08 00 07 41**±1.4	**59.3N**±.11	**5.5E**±.17	**0**		**5**	**0-1**
								¶97iv1247
ISC	**IV**	**08 07 32 54**±7.4	**59.2N**±.67	**5.4E**±.25	**20**±33		**5**	**0-1**
BER	IV	08 07 32 55.5	59.2N	5.4E	16	1.2L,1.3D		¶97iv1290
ISC	Poorly determined							
ISC	**IV**	**08 15 13 35**±2.3	**60.46N**±.080	**7.1E**±.34	**0**		**6**	**1-2**
BER	IV	08 15 13 36.7	60.4N	7.0E	0	1.7D		¶97iv1349
ISC	**IV**	**11 14 29 35**±1.5	**60.14N**±.067	**4.8E**±.29	**0**		**7**	**0-1**
BER	IV	11 14 29 36.6	60.1N	4.8E	0	1.7L,2.0D		¶97iv1919
ISC	**IV**	**16 10 21 52**±2.3	**60.40N**±.093	**5.0E**±.28	**1**±29		**6**	**0-1**
BER	IV	16 10 21 53.6	60.4N	5.0E	0	1.3L,1.5D		¶97iv2741
BER	**IV**	**22 13 19 00.9**	**58.3N**	**6.3E**	**0**	**1.6L,1.9D**		¶97iv3741
BER	Explosion							
BER	**IV**	**22 20 17 37.7**	**61.3N**	**4.0E**	**7**	**1.3L,1.6D**		¶97iv3824
BER	**IV**	**22 22 28 59.6**	**61.9N**	**5.1E**	**16**	**1.5L,1.7D**		¶97iv3839
ISC	**IV**	**23 15 09 13**±2.9	**60.40N**±.098	**5.0E**±.47	**0**		**4**	**1-1**
BER	IV	23 15 09 13.4	60.4N	4.8E	0	1.6L,1.7D		¶97iv3980
ISC	Poorly determined							
ISC	**IV**	**24 10 12 44**±1.4	**60.09N**±.065	**4.8E**±.25	**0**		**8**	**1-4**
BER	IV	24 10 12 45.9	60.1N	4.5E	0	1.7L,2.0D		¶97iv4122
ISC	**IV**	**27 03 23 56**±2.8	**62.1N**±.16	**5.4E**±.45	**53**±40		**12**	**1-10**
								¶97iv4650
BER	**IV**	**28 13 33 11.4**	**58.3N**	**8.1E**	**0**	**1.7L,2.0D**		¶97iv4927
BER	**IV**	**28 14 13 01.1**	**59.5N**	**4.6E**	**15**	**1.4D**		¶97iv4933
ISC	**IV**	**28 15 07 15**±1.5	**60.09N**±.055	**4.9E**±.24	**0**		**10**	**0-10**
BER	IV	28 15 07 16.3	60.1N	4.8E	0	1.7L,1.7D		¶97iv4944
ISC	**IV**	**30 11 09 46**±3.5	**60.41N**±.086	**5.0E**±.54	**7**±15		**6**	**0-1**
BER	IV	30 11 09 46.6	60.4N	4.8E	0	1.3L,1.7D		¶97iv5207
ISC	**V**	**01 01 07 14**±7.2	**62.9N**±.58	**7.0E**±.33	**31**±15		**10**	**0-4**
BER	V	01 01 07 15.4	62.9N	6.7E	15	2.3L,2.2D		¶97v0006
ISC	**V**	**02 20 24 44**±2.4	**61.8N**±.15	**5.0E**±.40	**29**±11		**12**	**0-10**
BER	V	02 20 24 45.3	61.8N	5.0E	15	2.4L,2.7D		¶97v0327
HEL	V	02 20 24 46	61.74N	5.33E		2.4L		
ISC	**V**	**07 11 29 39**±1.0	**60.70N**±.063	**5.6E**±.18	**0**		**5**	**0-1**
BER	V	07 11 29 40.5	60.7N	5.6E	0	1.6D		¶97v1094
ISC	**V**	**07 12 36 53**±6.5	**59.9N**±.19	**7.9E**±.82	**0**		**4**	**1-2**
BER	V	07 12 36 58.1	59.8N	7.5E	0	1.2D		¶97v1105
ISC	Poorly determined							
ISC	**V**	**07 12 41 11**±1.3	**59.4N**±.11	**5.6E**±.20	**0**		**4**	**0-1**
BER	V	07 12 41 11.9	59.3N	5.7E	0	1.5L,1.2D		¶97v1106
ISC	Poorly determined							
ISC	**V**	**08 17 08 25**±3.1	**61.9N**±.18	**5.1E**±.58	**17**		**6**	**0-2**
BER	V	08 17 08 26.5	61.9N	5.0E	17	1.6D		¶97v1280
ISC	Poorly determined							
BER	**V**	**09 11 54 50.3**	**58.8N**	**5.9E**	**0**	**1.3D**		¶97v1418
BER	Possible explosion							
ISC	**V**	**12 22 45 51**±13	**59.0N**±.68	**6.4E**±.48	**8**±41		**5**	**0-3**
BER	V	12 22 45 53.0	59.0N	6.4E	1			¶97v2062
ISC	Poorly determined							
BER	Earthquake close to water dam construction area, Kvernafjellet, south of Lysefjorden, felt by people close to the site							
ISC	**V**	**13 00 07 17**±2.7	**58.9N**±.17	**6.5E**±.18	**8**±16		**8**	**0-10**
BER	V	13 00 07 19.2	59.0N	6.4E	1	1.3L,1.9D		¶97v2082
ISC	**V**	**13 00 21 33**±2.6	**60.4N**±.13	**5.0E**±.59	**20**±18		**6**	**0-3**
BER	V	13 00 21 33.5	60.3N	4.9E	8	1.6D		¶97v2085
ISC	Poorly determined							
ISC	**V**	**13 22 07 05.7**±.44	**60.64N**±.051	**4.05E**±.083	**10**		**39**	**1-16**
LDG	V	13 22 07 08.0	60.7N	3.7E		3.9L		¶97v2339
BER	V	13 22 07 09.9	60.96N	3.72E	26	2.9L,3.1D		
BGS	V	13 22 07 11.4	60.85N	3.51E	15	3.4L		
BER	**V**	**14 09 59 36.8**	**60.8N**	**5.1E**	**0**	**1.4D**		¶97v2426
BER	Explosion							
ISC	**V**	**15 03 55 33**±1.0	**60.80N**±.059	**5.1E**±.23	**0**		**6**	**0-2**
BER	V	15 03 55 34.1	60.8N	4.9E	0	0.8L,1.5D		¶97v2557
BER	Explosion							
BER	**V**	**15 10 38 09.3**	**59.8N**	**7.4E**	**9**	**1.3D**		¶97v2598
ISC	**V**	**15 12 01 43.1**±.98	**60.38N**±.066	**5.4E**±.18	**0**		**7**	**0-10**
BER	V	15 12 01 43.2	60.4N	4.9E	0	1.4L,1.7D		¶97v2609
ISC	**V**	**15 16 03 03**±2.0	**60.20N**±.074	**5.1E**±.38	**7**±15		**7**	**0-1**
BER	V	15 16 03 04.0	60.2N	5.1E	0	1.0L,1.2D		¶97v2646
ISC	**V**	**16 13 18 01**±13	**58.2N**±.87	**6.3E**±.56	**0**		**5**	**1-2**
BER	V	16 13 18 03.2	58.2N	6.4E	0	1.3L,2.1D		¶97v2777
BER	Explosion							
BER	**V**	**20 14 42 46.1**	**60.9N**	**5.0E**	**0**	**1.4D**		¶97v3420
BER	Explosion							
ISC	**V**	**21 17 20 44**±1.1	**60.81N**±.073	**5.2E**±.20	**0**		**5**	**0-3**
BER	V	21 17 20 45.1	60.8N	5.1E	0	1.7D		¶97v3586
BER	Explosion							
ISC	**V**	**24 05 24 49**±1.2	**60.78N**±.067	**5.1E**±.25	**0**		**5**	**0-2**
BER	V	24 05 24 49.9	60.8N	5.0E	0	1.7D		¶97v4059
BER	Explosion							
BER	**V**	**26 14 19 04.9**	**60.0N**	**6.8E**	**0**	**1.5D**		¶97v4426
BER	**V**	**28 13 01 08.0**	**59.3N**	**6.1E**	**0**	**1.4L,1.2D**		¶97v4722
ISC	**V**	**28 18 53 01.8**±.83	**60.82N**±.050	**5.2E**±.17	**0**		**8**	**0-4**
BER	V	28 18 53 03.1	60.8N	5.1E	0	1.7D		¶97v4761
BER	Explosion							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V 29 12 07 56**±4.2	**60.6N**±.20	**4.8E**±.49	**0**		**4**	**0-3**
BER	V 29 12 07 59.8	60.5N	5.0E	0	1.5D		¶97v4870
ISC	Poorly determined						
BER	**VI 02 13 16 07.0**	**58.3N**	**6.4E**	**0**	**2.1D**		¶97vi0245
BER	Explosion						
BER	**VI 03 12 59 13.3**	**59.3N**	**10.3E**	**0**	**1.8D**		¶97vi0461
BER	**VI 04 13 18 18.1**	**58.2N**	**6.5E**	**0**	**1.5L,2.3D**		¶97vi0619
BER	Explosion						
ISC	**VI 04 15 52 12**±1.2	**60.16N**±.054	**5.0E**±.21	**0**		**13**	**0-13**
BER	VI 04 15 52 13.3	60.1N	4.8E	0	1.8L,2.0D		¶97vi0635
ISC	**VI 04 21 17 38**±1.3	**60.17N**±.064	**4.9E**±.24	**17**±9.8		**13**	**0-13**
BER	VI 04 21 17 40.3	60.1N	4.8E	15	1.9L,2.4D		¶97vi0673
ISC	**VI 05 13 19 31**±6.0	**58.0N**±.43	**6.3E**±.44	**0**		**7**	**1-11**
BER	VI 05 13 19 37.0	58.3N	6.5E	0	1.5L,2.2D		¶97vi0777
BER	Explosion						
ISC	**VI 06 02 34 58**±1.5	**60.73N**±.080	**5.0E**±.30	**0**		**4**	**0-1**
BER	VI 06 02 34 59.4	60.8N	5.0E	0	1.8D		¶97vi0870
ISC	Poorly determined						
BER	Explosion						
ISC	**VI 09 15 56 18**±1.4	**60.40N**±.060	**5.1E**±.27	**9**±8.6		**8**	**0-4**
BER	VI 09 15 56 18.7	60.4N	4.9E	0	1.4L,1.7D		¶97vi1417
ISC	**VI 11 16 38 16**±3.0	**61.9N**±.18	**5.1E**±.55	**15**		**4**	**0-1**
BER	VI 11 16 38 16.0	61.9N	5.0E	15	1.2L,1.9D		¶97vi1722
ISC	Poorly determined						
ISC	**VI 12 14 11 08**±2.2	**60.15N**±.065	**4.8E**±.27	**15**±12		**11**	**0-4**
BER	VI 12 14 11 07.8	60.1N	4.5E	0	1.9L,2.0D		¶97vi1856
ISC	**VI 12 14 52 02**±1.5	**60.19N**±.061	**4.9E**±.28	**0**		**6**	**0-1**
BER	VI 12 14 52 03.9	60.2N	4.9E	0	1.2L,1.4D		¶97vi1861
BER	**VI 12 18 15 16.6**	**59.7N**	**7.1E**	**0**	**1.1D**		¶97vi1882
ISC	**VI 13 11 00 00**±1.5	**60.42N**±.059	**4.8E**±.26	**0**		**8**	**0-3**
BER	VI 13 11 00 01.9	60.4N	4.8E	0	1.7L,1.9D		¶97vi1973
BER	**VI 17 11 02 01.0**	**60.5N**	**5.5E**	**0**	**1.0D**		¶97vi2601
BER	**VI 19 17 36 18.7**	**59.3N**	**6.1E**	**0**	**1.5L,1.3D**		¶97vi2945
BER	**VI 23 13 15 49.1**	**58.3N**	**6.3E**	**0**	**2.1D**		¶97vi3534
BER	Explosion						
BER	**VI 23 17 11 24.9**	**60.8N**	**4.4E**	**10**	**1.3D**		¶97vi3563
BER	**VI 24 12 02 59.1**	**60.5N**	**4.9E**	**0**	**1.3D**		¶97vi3705
ISC	**VI 30 11 25 29**±3.0	**58.9N**±.18	**6.4E**±.21	**9**±19		**7**	**0-10**
BER	VI 30 11 25 31.1	59.0N	6.4E	1	1.4L,1.7D		¶97vi4752

(536) Sweden.

ISC	**I 01 11 16 20.3**±.64	**67.09N**±.064	**20.6E**±.21	**0**		**12**	**2-11**
EIDC	I 01 11 16 22.4	67.1N	20.8E	0	3.4L		¶97i0065
BER	I 01 11 16 24.3	67.2N	20.6E	0	2.8L,2.4D		
BER	Possible explosion						
BER	**I 02 00 28 45.2**	**67.7N**	**20.5E**	**0**	**1.7L,1.8D**		¶97i0142
ISC	**I 04 00 29 04.2**±.98	**67.7N**±.11	**20.8E**±.30	**33**		**6**	**2-8**
							¶97i0453
ISC	**I 05 12 59 05.2**±.62	**66.98N**±.061	**20.9E**±.18	**0**		**13**	**2-11**
EIDC	I 05 12 59 07.6	67.1N	21.4E	0	2.9L		¶97i0674
BER	I 05 12 59 09.5	67.1N	20.9E	0			
BER	Possible explosion						
ISC	**I 06 00 29 46.3**±.94	**67.7N**±.11	**20.4E**±.30	**0**		**7**	**2-8**
BER	I 06 00 29 50.0	67.8N	20.3E	0	1.9L,2.1D		¶97i0727
BER	**I 08 00 46 53.0**	**67.9N**	**20.5E**	**0**			¶97i0997
ISC	**I 09 00 28 43**±1.2	**67.7N**±.12	**20.6E**±.33	**0**		**5**	**2-7**
							¶97i1151
ISC	**I 09 11 43 00**±1.3	**65.0N**±.13	**20.5E**±.38	**0**		**4**	**4-6**
EIDC	I 09 11 43 01.4	65.0N	20.4E	0	2.5L		¶97i1208
ISC	Poorly determined						
BER	**I 12 00 29 11.6**	**67.8N**	**20.1E**	**0**	**1.7L,2.0D**		¶97i1602
BER	**I 12 00 31 45.2**	**67.8N**	**20.0E**	**0**	**1.7L,1.7D**		¶97i1603
ISC	**I 13 16 45 24.5**±.69	**67.02N**±.070	**21.0E**±.23	**0**		**11**	**2-11**
EIDC	I 13 16 45 25.6	67.1N	20.6E	0	2.6L		¶97i1873
BER	I 13 16 45 28.6	67.1N	21.0E	0	2.1D		
BER	**I 14 00 31 02.2**	**67.9N**	**20.0E**	**0**	**1.8L,1.5D**		¶97i1922
ISC	**I 16 16 32 11.1**±.67	**67.03N**±.067	**21.1E**±.21	**0**		**11**	**2-11**
EIDC	I 16 16 32 13.4	67.1N	21.6E	0	2.9L		¶97i2337
BER	I 16 16 32 15.0	67.1N	21.0E	0	2.5D		
BER	Possible explosion						
ISC	**I 22 03 51 00**±1.0	**67.80N**±.088	**19.9E**±.33	**0**		**6**	**3-10**
							¶97i3277
ISC	**I 23 00 29 20.0**±.97	**67.6N**±.11	**20.7E**±.30	**0**		**6**	**2-8**
BER	I 23 00 29 23.7	67.9N	20.5E	0	2.2D		¶97i3411
ISC	**I 23 21 23 53.7**±.61	**67.17N**±.057	**20.5E**±.21	**0**		**12**	**2-11**
EIDC	I 23 21 23 55.7	67.2N	20.8E	0	2.8L		¶97i3551
EIDC	**I 29 11 38 45.5**	**64.9N**	**20.9E**	**0**	**2.5L**		**4-6**
							¶97i4342
ISC	**I 30 10 28 09**±1.3	**63.0N**±.15	**17.6E**±.30	**0**		**4**	**3-7**
EIDC	I 30 10 28 10.7	62.9N	17.6E	0	2.5L		¶97i4467
ISC	Poorly determined						
ISC	**I 31 16 34 04.1**±.65	**67.00N**±.061	**20.9E**±.24	**0**		**11**	**2-11**
EIDC	I 31 16 34 05.8	67.1N	21.2E	0	2.8L		¶97i4652
BER	I 31 16 34 07.9	67.1N	20.7E	0	1.8L,2.4D		
BER	**II 01 00 28 28.3**	**67.7N**	**21.0E**	**0**			¶97ii0002
EIDC	**II 01 23 02 36.5**	**67.1N**	**21.0E**	**0**	**2.5L**		**3-8**
							¶97ii0137
ISC	**II 02 12 59 41.9**±.69	**66.99N**±.070	**20.9E**±.22	**0**		**10**	**2-8**
EIDC	II 02 12 59 43.6	67.1N	21.1E	0	2.6L		¶97ii0222
ISC	Possible explosion						
BER	**II 06 00 28 25.9**	**67.9N**	**20.4E**	**0**	**2.1D**		¶97ii0771
ISC	**II 07 13 36 14.6**±.72	**67.01N**±.073	**21.2E**±.20	**0**		**9**	**2-11**
ISC	Possible explosion						¶97ii0994
EIDC	**II 08 13 36 16.2**	**67.1N**	**21.1E**	**0**	**2.9L**		**3-8**
ISC	Possible explosion						¶97ii1146
BER	**II 10 00 17 18.1**	**67.6N**	**20.5E**	**0**	**1.9D**		¶97ii1388
BER	**II 10 00 28 32.9**	**67.7N**	**21.0E**	**0**	**1.8D**		¶97ii1389
BER	**II 10 15 54 43.2**	**67.6N**	**21.7E**	**0**	**1.9D**		¶97ii1479
BER	Possible explosion						
ISC	**II 12 00 32 01.5**±.95	**67.8N**±.11	**20.4E**±.30	**0**		**7**	**2-8**
ISC	Possible explosion						¶97ii1690
ISC	**II 15 00 28 38.7**±.71	**67.60N**±.075	**20.6E**±.21	**0**		**9**	**2-11**
BER	II 15 00 28 43.2	67.8N	20.5E	0			¶97ii2140
ISC	**II 15 13 00 19.6**±.62	**67.04N**±.063	**21.2E**±.19	**0**		**12**	**2-8**
EIDC	II 15 13 00 21.2	67.2N	21.0E	0	3.0L		¶97ii2235
ISC	Possible explosion						
ISC	**II 15 19 32 16.5**±.45	**63.98N**±.042	**18.7E**±.11	**0**		**23**	**1-14**
EIDC	II 15 19 32 17.2	64.0N	18.6E	0	3.1L		¶97ii2279
HEL	II 15 19 32 18	63.91N	18.59E		3.1L		
UPP	II 15 19 32 19	63.9N	18.7E		3.2L		
BER	II 15 19 32 19.9	63.9N	18.5E	0	2.9L,3.5D		
NEIC	Felt Angermanland, Sweden (after MYV)						
ISC	**II 18 00 35 25.9**±.58	**64.19N**±.058	**20.6E**±.13	**0**		**18**	**0-14**
HEL	II 18 00 35 26	64.25N	20.82E		2.5L		¶97ii2579
EIDC	II 18 00 35 28.3	64.1N	20.9E	0	2.9L		
BER	II 18 00 35 29.5	64.2N	20.7E	0			
ISC	**II 20 16 32 54.9**±.79	**67.06N**±.079	**20.8E**±.24	**0**		**12**	**2-11**
EIDC	II 20 16 32 56.9	67.0N	21.0E	0	2.8L		¶97ii2951
BER	II 20 16 33 00.4	67.1N	20.9E	0	2.5D		
BER	Possible explosion						
ISC	**II 25 11 43 45.1**±.87	**64.96N**±.089	**20.6E**±.22	**0**		**7**	**3-6**
							¶97ii3617
BER	**II 26 00 30 15.3**	**67.5N**	**20.4E**	**0**	**1.7L,2.1D**		¶97ii3715
ISC	**II 27 17 02 55.4**±.66	**67.08N**±.065	**20.8E**±.21	**0**		**12**	**2-11**
EIDC	II 27 17 02 57.7	67.1N	21.2E	0	2.9L		¶97ii3986
BER	II 27 17 02 59.8	67.1N	21.0E	0	2.6D		
ISC	**III 03 00 13 17**±1.1	**67.9N**±.10	**20.5E**±.30	**0**		**5**	**2-10**
BER	III 03 00 13 21.6	67.9N	20.7E	0	1.8L,1.9D		¶97iii0430
BER	**III 03 00 16 03.0**	**67.7N**	**19.7E**	**0**	**1.9D**		¶97iii0431
EIDC	**III 05 15 16 11.8**	**60.5N**	**15.3E**	**0**	**2.8L**		**1-10**
							¶97iii1084
BER	**III 06 00 36 25.3**	**67.7N**	**20.2E**	**0**	**1.7L,1.8D**		¶97iii1157
HEL	**III 06 09 14 32**	**67.43N**	**22.30E**		**1.7L**		¶97iii1238
EIDC	**III 07 11 44 51.0**	**65.0N**	**20.5E**	**0**	2.8L		**4-6**
							¶97iii1510
ISC	**III 07 17 05 30.9**±.93	**67.79N**±.093	**20.4E**±.28	**0**		**6**	**3-11**
BER	III 07 17 05 35.7	67.8N	20.3E	0	2.0L,2.1D		¶97iii1554
ISC	**III 10 16 46 35.6**±.71	**67.00N**±.064	**21.0E**±.24	**0**		**10**	**3-11**
EIDC	III 10 16 46 38.5	67.1N	21.4E	0	2.9L		¶97iii2247
ISC	**III 12 00 31 25**±1.5	**67.4N**±.14	**20.5E**±.43	**0**		**5**	**3-8**
ISC	Possible mining explosion (after UPP)						¶97iii2458
ISC	**III 12 09 29 26**±1.3	**62.9N**±.15	**17.7E**±.30	**0**		**4**	**3-7**
EIDC	III 12 09 29 26.8	62.9N	17.7E	0	2.6L		¶97iii2505
ISC	Poorly determined						
EIDC	**III 14 14 33 50.2**	**65.0N**	**20.7E**	**0**	2.5L		**4-6**
							¶97iii2897
ISC	**III 18 00 29 46.6**±.77	**67.69N**±.079	**20.5E**±.21	**0**		**8**	**3-11**
ISC	Possible mining explotion (after UPP)						¶97iii3455
ISC	**III 19 11 45 07**±1.1	**64.83N**±.096	**21.3E**±.26	**0**		**9**	**3-27**
BER	III 19 11 45 11.9	64.9N	21.1E	0			¶97iii3698
ISC	**III 19 16 48 43.3**±.70	**66.90N**±.075	**21.1E**±.20	**0**		**10**	**3-8**
EIDC	III 19 16 48 45.5	66.9N	21.8E	0	2.7L		¶97iii3734
BER	**III 20 00 20 58.2**	**67.7N**	**21.1E**	**0**	**1.6L,1.9D**		¶97iii3793
BER	**III 20 00 22 51.5**	**67.8N**	**20.6E**	**0**	**1.5L,1.8D**		¶97iii3794
BER	**III 20 00 30 07.7**	**67.7N**	**20.7E**	**0**	**1.7L,1.8D**		¶97iii3796
HEL	**III 20 12 10 20**	**62.77N**	**18.24E**		**2.5L**		¶97iii3892
EIDC	III 20 12 10 18.9	63.0N	18.0E	0	2.8L		
BER	III 20 12 10 33.4	66.7N	6.8E	12			
BER	**III 21 00 26 57.6**	**67.8N**	**20.6E**	**0**	**1.7L,2.2D**		¶97iii3976
ISC	**III 21 16 45 51.1**±.92	**67.09N**±.077	**20.9E**±.26	**0**		**7**	**3-11**
BER	III 21 16 45 55.8	67.1N	20.9E	0	2.7D		¶97iii4102
ISC	**III 22 00 30 33**±2.0	**67.8N**±.21	**20.5E**±.47	**0**		**4**	**3-10**
BER	III 22 00 30 38.5	67.8N	20.6E	0	1.9L,2.3D		¶97iii4165
ISC	Poorly determined						
BER	**III 23 00 28 04.8**	**67.6N**	**21.4E**	**0**	**1.7L,2.4D**		¶97iii4350
EIDC	III 23 00 28 04.1	67.7N	20.6E	0	2.7L		
ISC	**III 23 04 36 33.6**±.71	**67.74N**±.068	**20.4E**±.22	**0**		**10**	**3-11**
EIDC	III 23 04 36 34.9	67.7N	20.4E	0	2.6L		¶97iii4390
BER	III 23 04 36 38.1	67.8N	21.0E	0	2.1L,2.0D		
BER	**III 25 00 37 55.2**	**67.9N**	**19.7E**	**0**	**1.6L,2.3D**		¶97iii4649
ISC	**III 25 14 04 27**±2.0	**59.7N**±.24	**18.4E**±.16	**0**		**7**	**2-10**
BER	III 25 14 04 24.2	59.0N	18.6E	0			¶97iii4740
EIDC	III 25 14 04 27.0	59.5N	18.5E	0	3.0L		
BER	**III 25 14 50 49.4**	**59.3N**	**18.3E**	**0**			¶97iii4747
ISC	**III 25 16 27 29.9**±.75	**67.01N**±.069	**21.2E**±.22	**0**		**10**	**3-8**
EIDC	III 25 16 27 31.3	67.1N	21.2E	0	2.9L		¶97iii4757
BER	III 25 16 27 34.6	67.1N	21.2E	0	2.2L,2.6D		
BER	Possibly an explosion						
BER	**III 26 00 31 16.3**	**67.9N**	**20.8E**	**0**	**1.8L,1.9D**		¶97iii4817
ISC	**III 26 14 48 11**±1.1	**64.97N**±.094	**20.7E**±.26	**0**		**6**	**3-6**
BER	III 26 14 48 16.1	64.9N	20.7E	0	2.8D		¶97iii5005
ISC	**III 27 08 10 18**±1.3	**65.0N**±.13	**20.5E**±.38	**0**		**4**	**4-6**
EIDC	III 27 08 10 18.9	65.0N	20.6E	0	2.7L		¶97iii5171
ISC	Poorly determined						
ISC	**III 29 00 28 46.5**±.90	**67.69N**±.097	**20.5E**±.26	**0**		**6**	**2-8**
BER	III 29 00 28 50.4	67.9N	20.7E	0	1.8L,2.4D		¶97iii5509
ISC	**III 30 00 29 55**±1.3	**67.7N**±.14	**20.4E**±.39	**0**		**5**	**3-8**
ISC	Possible mining explotion (after UPP)						¶97iii5671
EIDC	**IV 01 16 57 08.9**	**59.1N**	**18.7E**	**0**	**3.7L**		**3-4**
							¶97iv0112
ISC	**IV 04 02 25 41**±2.2	**59.8N**±.29	**15.5E**±.14	**0**		**5**	**1-11**
EIDC	IV 04 02 25 36.6	59.2N	15.3E	0	3.0L		¶97iv0527
HEL	IV 04 02 26 17	58.80N	14.95E		2.4L		
BER	IV 04 02 26 17.4	58.8N	14.8E	0			
ISC	**IV 04 02 26 23**±2.6	**59.5N**±.25	**15.4E**±.13	**11**±12		**10**	**1-11**
EIDC	IV 04 02 26 20.5	59.1N	15.3E	0	3.4L		¶97iv0528
ISC	**IV 04 02 27 59**±2.1	**59.8N**±.24	**15.5E**±.12	**0**		**8**	**1-11**
BER	IV 04 02 27 53.2	58.8N	14.9E	0			¶97iv0529
EIDC	IV 04 02 27 53.8	59.0N	15.3E	0	3.5L		
HEL	IV 04 02 27 56	58.96N	15.09E		2.3L		
HEL	**IV 04 02 39 49**	**59.05N**	**15.11E**		**1.7L**		¶97iv0531
ISC	**IV 04 02 57 36**±5.6	**59.4N**±.49	**15.4E**±.21	**3**±18		**5**	**1-11**
HEL	IV 04 02 57 29	58.57N	14.97E		1.5L		¶97iv0533
EIDC	IV 04 02 57 34.9	59.1N	15.2E	0	2.7L		
ISC	Poorly determined						
HEL	MD1.8						
BER	**IV 05 23 30 21.8**	**67.9N**	**20.3E**	**0**	**2.7D**		¶97iv0878
HEL	**IV 06 22 49 48**	**58.88N**	**15.01E**		**1.7L**		¶97iv1067
ISC	**IV 07 17 21 28**±2.1	**58.3N**±.20	**10.8E**±.13	**0**		**13**	**1-20**
EIDC	IV 07 17 20 58.5	56.4N	8.2E	0	3.7L		¶97iv1194
ISC	**IV 07 17 21 52**±1.5	**58.45N**±.088	**10.3E**±.34	**0**		**9**	**2-20**
EIDC	IV 07 17 21 33.7	57.4N	8.2E	0	3.7L		¶97iv1195
BER	IV 07 17 21 56.3	58.4N	10.3E	0			
ISC	**IV 08 08 10 29**±1.2	**56.0N**±.10	**16.1E**±.24	**0**		**8**	**1-14**
BER	IV 08 08 10 28.7	55.9N	15.8E	0			¶97iv1296
EIDC	IV 08 08 10 33.8	56.2N	15.7E	0	3.0L		
ISC	**IV 08 08 29 10.6**±.77	**56.14N**±.057	**15.9E**±.20	**0**		**9**	**1-14**
EIDC	IV 08 08 28 53.1	54.5N	15.2E	0	3.3L		¶97iv1299
BER	IV 08 08 29 10.1	55.9N	15.9E	0			

ISC	**IV**	**08 08 43 30**±1.5	**56.1N**±.12	**16.3E**±.32	**0**		**5**	**1-14**
BER	IV	08 08 43 32.4	56.0N	16.3E	0			¶97iv1301
ISC	**IV**	**08 10 35 39.7**±.61	**64.97N**±.057	**20.6E**±.18	**0**		**11**	**3-17**
EIDC	IV	08 10 35 41.1	65.0N	20.5E	0	2.9L		¶97iv1317
BER	IV	08 10 35 44.5	65.0N	20.7E	0			
ISC	**IV**	**09 23 32 28.1**±.78	**67.75N**±.081	**20.5E**±.21	**0**		**8**	**3-11**
BER	IV	09 23 32 32.0	67.9N	20.3E	0	2.6D		¶97iv1597
ISC	**IV**	**10 07 11 01**±2.7	**59.2N**±.29	**18.9E**±.17	**0**		**9**	**3-11**
EIDC	IV	10 07 11 01.9	59.1N	18.8E	0	2.9L		¶97iv1649
ISC	**IV**	**10 07 20 01**±2.9	**59.1N**±.30	**18.8E**±.17	**0**		**8**	**3-11**
BER	IV	10 07 19 52.5	57.9N	19.1E	0			¶97iv1650
EIDC	IV	10 07 19 59.1	58.8N	18.8E	0	3.1L		
ISC	**IV**	**10 12 41 15**±3.2	**59.0N**±.31	**17.3E**±.14	**0**		**8**	**2-11**
EIDC	IV	10 12 41 11.6	58.5N	17.2E	0	3.6L		¶97iv1693
ISC	**IV**	**10 15 36 50.2**±.71	**67.02N**±.072	**21.3E**±.20	**0**		**11**	**3-11**
EIDC	IV	10 15 36 52.7	67.1N	21.7E	0	2.9L		¶97iv1710
BER	IV	10 15 36 54.2	67.1N	21.0E	0	2.9D		
BER	Possible explosion							
ISC	**IV**	**13 23 19 45.9**±.92	**67.82N**±.087	**20.2E**±.29	**0**		**7**	**3-10**
BER	IV	13 23 19 49.7	67.9N	20.3E	0	2.8D		¶97iv2325
ISC	**IV**	**16 08 05 19**±2.2	**59.6N**±.24	**18.4E**±.16	**0**		**10**	**2-10**
BER	IV	16 08 05 15.7	58.8N	18.5E	0			¶97iv2723
EIDC	IV	16 08 05 17.5	59.2N	18.5E	0	3.3L		
ISC	**IV**	**16 09 06 17**±2.1	**59.6N**±.24	**18.3E**±.16	**0**		**8**	**2-10**
EIDC	IV	16 09 06 14.8	59.1N	18.4E	0	3.0L		¶97iv2730
ISC	**IV**	**17 15 30 34.9**±.69	**67.06N**±.067	**20.9E**±.22	**0**		**10**	**3-11**
EIDC	IV	17 15 30 37.5	67.1N	21.3E	0	2.7L		¶97iv2928
BER	IV	17 15 30 39.6	67.1N	21.1E	0	2.9D		
BER	Possible explosion							
ISC	**IV**	**18 23 20 05.1**±.91	**67.87N**±.091	**20.5E**±.27	**0**		**7**	**2-46**
BER	IV	18 23 20 08.3	67.9N	20.4E	0	1.9L,2.9D		¶97iv3131
ISC	**IV**	**22 23 39 48**±1.1	**67.6N**±.11	**21.0E**±.38	**0**		**7**	**2-8**
BER	IV	22 23 39 53.7	67.6N	21.2E	0	1.4L,2.3D		¶97iv3849
BER	**IV**	**22 23 48 26.5**	**67.9N**	**19.8E**	**0**	**2.6D**		¶97iv3851
BER	**IV**	**23 23 32 21.9**	**67.9N**	**20.6E**	**0**	**2.8D**		¶97iv4042
ISC	**IV**	**26 23 22 49.7**±.94	**67.8N**±.12	**20.5E**±.25	**0**		**7**	**2-10**
ISC	Probable mining explosion (after UPP)							¶97iv4623
BER	**IV**	**27 15 56 44.7**	**65.3N**	**14.8E**	**0**	**2.5D**		¶97iv4757
BER	**IV**	**28 14 38 02.5**	**59.0N**	**18.4E**	**0**			¶97iv4938
BER	**IV**	**29 23 26 20.4**	**67.9N**	**19.9E**	**0**	**2.5D**		¶97iv5132
BER	**IV**	**29 23 33 32.6**	**67.8N**	**19.6E**	**0**	**2.6D**		¶97iv5133
ISC	**V**	**06 15 55 43.4**±.65	**67.03N**±.060	**21.0E**±.20	**0**		**11**	**2-11**
EIDC	V	06 15 55 46.1	67.0N	21.4E	0	2.9L		¶97v0984
BER	V	06 15 55 47.9	67.1N	21.0E	0			
ISC	Possible explosion							
ISC	**V**	**08 11 37 15**±3.6	**57.6N**±.33	**11.5E**±.18	**0**		**7**	**3-8**
BER	V	08 11 37 21.4	57.9N	11.5E	0	2.5D		¶97v1235
ISC	**V**	**08 21 54 28.1**±.85	**67.03N**±.093	**21.0E**±.22	**0**		**8**	**2-8**
BER	V	08 21 54 33.4	67.0N	20.9E	0	1.7L,2.4D		¶97v1315
ISC	**V**	**08 23 29 50.0**±.79	**67.77N**±.080	**20.6E**±.21	**0**		**9**	**2-11**
BER	V	08 23 29 54.6	67.8N	20.7E	0	2.0L,2.5D		¶97v1326
BER	**V**	**09 23 43 52.5**	**67.9N**	**19.4E**	**0**	**2.0D**		¶97v1500
ISC	**V**	**10 05 46 41**±1.1	**62.2N**±.10	**17.9E**±.24	**0**		**5**	**2-8**
EIDC	V	10 05 46 43.6	62.2N	17.8E	0	2.3L		¶97v1531
HEL	**V**	**10 06 33 44**	**65.54N**	**22.85E**		**2.0L**		¶97v1538
HEL	MD2.3							
ISC	**V**	**11 13 53 23.1**±.57	**66.25N**±.048	**22.1E**±.16	**0**		**15**	**2-12**
HEL	V	11 13 53 26	66.25N	22.15E		2.4L		¶97v1785
EIDC	V	11 13 53 26.2	66.3N	22.9E	0	2.8L		
BER	V	11 13 53 26.9	66.2N	22.2E	0			
HEL	MD2.7							
BER	**V**	**11 23 36 00.0**	**67.7N**	**20.4E**	**0**	**1.4L,2.5D**		¶97v1863
ISC	**V**	**12 11 54 10**±1.8	**59.8N**±.22	**18.4E**±.16	**0**		**9**	**0-10**
EIDC	V	12 11 54 09.3	59.6N	18.6E	0	2.8L		¶97v1950
ISC	**V**	**12 11 54 18**±2.7	**59.6N**±.34	**18.4E**±.20	**0**		**6**	**2-10**
EIDC	V	12 11 54 15.7	59.2N	18.6E	0	3.4L		¶97v1951
ISC	**V**	**12 14 34 59.6**±.86	**60.02N**±.090	**17.8E**±.14	**0**		**10**	**0-53**
EIDC	V	12 14 35 01.9	60.1N	17.7E	0	2.8L		¶97v1982
ISC	**V**	**12 18 12 06.2**±.67	**67.08N**±.063	**20.9E**±.20	**0**		**11**	**2-11**
EIDC	V	12 18 12 09.3	67.1N	21.5E	0	2.8L		¶97v2019
BER	V	12 18 12 10.1	67.1N	20.9E	0	2.5D		
ISC	**V**	**14 15 33 45.7**±.65	**67.06N**±.065	**21.0E**±.18	**0**		**11**	**3-11**
EIDC	V	14 15 33 48.5	67.0N	21.5E	0	2.9L		¶97v2472
ISC	**V**	**15 15 18 22**±1.1	**56.15N**±.095	**15.8E**±.27	**0**		**6**	**1-14**
EIDC	V	15 15 18 16.8	55.6N	15.2E	0	2.9L		¶97v2636
BER	**V**	**16 23 23 37.8**	**67.6N**	**20.6E**	**0**	**1.6L,2.3D**		¶97v2844
BER	**V**	**17 23 31 27.4**	**67.5N**	**20.9E**	**0**	**1.5L,2.6D**		¶97v2998
BER	**V**	**17 23 33 55.8**	**67.6N**	**20.5E**	**0**			¶97v2999
ISC	**V**	**19 13 42 45**±2.0	**59.7N**±.21	**18.5E**±.16	**0**		**9**	**2-19**
EIDC	V	19 13 42 44.0	59.2N	18.6E	0	3.6L		¶97v3260
ISC	**V**	**20 09 02 59.4**±.76	**64.13N**±.066	**22.5E**±.21	**0**		**8**	**3-14**
EIDC	V	20 09 03 01.9	64.1N	22.7E	0	3.1L		¶97v3377
BER	V	20 09 03 04.4	64.1N	22.5E	0	2.9D		
EIDC	**V**	**20 09 08 13.7**	**64.1N**	**22.7E**	**0**	**3.0L**		**3-6**
								¶97v3378
ISC	**V**	**20 10 08 40**±1.3	**64.1N**±.12	**22.7E**±.33	**0**		**4**	**3-6**
EIDC	V	20 10 08 41.7	64.1N	22.8E	0	2.9L		¶97v3386
ISC	Poorly determined							
EIDC	**V**	**20 10 13 46.6**	**64.2N**	**23.0E**	**0**	**3.0L**		**3-6**
								¶97v3387
EIDC	**V**	**20 12 50 57.4**	**59.4N**	**18.1E**	**0**	**2.6L**		**2-11**
								¶97v3402
EIDC	**V**	**21 12 11 08.1**	**59.1N**	**18.2E**	**0**	**2.8L**		**4-11**
								¶97v3559
ISC	**V**	**22 12 54 14.9**±.85	**67.89N**±.086	**20.5E**±.26	**0**		**7**	**2-10**
BER	V	22 12 54 20.6	67.8N	20.8E	0	1.9L,2.4D		¶97v3774
EIDC	**V**	**23 08 31 09.2**	**59.1N**	**18.2E**	**0**	**2.6L**		**3-11**
								¶97v3918
BER	**V**	**26 23 35 25.6**	**67.6N**	**20.5E**	**0**			¶97v4487
ISC	**V**	**27 12 52 54.8**±.94	**59.33N**±.097	**18.5E**±.14	**0**		**9**	**3-11**
BER	V	27 12 52 54.6	58.8N	18.7E	0			¶97v4570
EIDC	V	27 12 52 57.2	59.3N	18.5E	0	3.4L		
BER	**V**	**28 14 01 23.8**	**67.8N**	**19.9E**	**0**	**1.9L,2.3D**		¶97v4733
BER	**V**	**28 23 45 23.7**	**66.8N**	**21.1E**	**0**			¶97v4784
ISC	**V**	**29 15 37 35**±1.1	**67.0N**±.10	**21.1E**±.27	**0**		**6**	**2-8**
BER	V	29 15 37 07.7	67.1N	27.3E	0			¶97v4890
EIDC	V	29 15 37 37.1	67.1N	21.1E	0	2.8L		
ISC	**V**	**29 18 35 46**±1.7	**59.9N**±.24	**15.1E**±.14	**0**		**5**	**1-11**
EIDC	V	29 18 35 42.6	59.4N	15.0E	0	2.7L		¶97v4914
BER	**V**	**29 23 35 55.4**	**67.9N**	**20.0E**	**0**	**1.6L,2.2D**		¶97v4942
ISC	**V**	**30 10 02 39.1**±.94	**57.54N**±.082	**11.7E**±.15	**0**		**11**	**3-14**
EIDC	V	30 10 02 40.9	57.6N	11.5E	0	2.7L		¶97v5016
BER	V	30 10 02 45.0	57.8N	11.6E	0	2.5D		
ISC	**V**	**30 10 40 03**±1.1	**57.79N**±.093	**11.6E**±.23	**0**		**7**	**3-13**
BER	V	30 10 40 06.1	57.8N	11.6E	0			¶97v5024
BER	**V**	**31 10 17 49.6**	**67.4N**	**20.0E**	**0**			¶97v5179
BER	**V**	**31 10 18 03.6**	**67.9N**	**19.1E**	**0**	**1.9L,2.6D**		¶97v5180
EIDC	**V**	**31 21 58 06.2**	**67.0N**	**21.6E**	**0**	**2.6L**		**3-8**
								¶97v5246
HEL	**VI**	**02 21 36 43**	**64.53N**	**21.43E**		**1.6L**		¶97vi0335
HEL	MD2.0							
EIDC	**VI**	**03 09 28 31.7**	**64.2N**	**22.8E**	**0**	**2.8L**		**3-6**
								¶97vi0415
ISC	**VI**	**03 09 35 46.6**±.69	**64.19N**±.064	**22.4E**±.19	**0**		**9**	**3-14**
EIDC	VI	03 09 35 48.9	64.1N	22.5E	0	2.8L		¶97vi0417
BER	VI	03 09 35 51.5	64.2N	22.5E	0			
ISC	**VI**	**05 15 29 41.8**±.79	**67.06N**±.075	**20.9E**±.23	**0**		**8**	**2-11**
BER	VI	05 15 29 46.6	67.1N	21.1E	0	1.8L,2.9D		¶97vi0796
BER	Possible explosion							
ISC	**VI**	**05 18 34 52**±1.3	**58.9N**±.13	**15.10E**±.094	**0**		**14**	**1-12**
EIDC	VI	05 18 34 54.3	58.9N	15.0E	0	3.5L		¶97vi0819
HEL	VI	05 18 34 55	58.76N	14.91E		2.4L		
BER	VI	05 18 34 55.5	58.8N	14.9E	0			
HEL	MD2.7							
BER	**VI**	**05 23 31 21.6**	**67.7N**	**20.8E**	**0**	**2.4D**		¶97vi0851
ISC	**VI**	**06 22 17 30**±1.0	**61.7N**±.11	**16.3E**±.19	**0**		**7**	**2-9**
EIDC	VI	06 22 17 31.5	61.6N	16.6E	0	2.5L		¶97vi1004
HEL	VI	06 22 17 35	61.54N	16.47E		1.9L		
HEL	MD2.2							
BER	**VI**	**09 23 28 11.8**	**67.8N**	**20.0E**	**0**	**2.6D**		¶97vi1450
BER	**VI**	**11 23 22 54.4**	**67.9N**	**19.7E**	**0**	**2.3D**		¶97vi1769
BER	**VI**	**12 15 29 46.0**	**66.9N**	**21.8E**	**0**	**1.8L,2.8D**		¶97vi1866
BER	**VI**	**17 23 31 10.3**	**67.8N**	**19.9E**	**0**	**2.6D**		¶97vi2702
BER	**VI**	**17 23 43 25.2**	**67.8N**	**20.0E**	**0**	**2.3D**		¶97vi2703
BER	**VI**	**18 23 20 14.1**	**67.9N**	**20.3E**	**0**	**2.2D**		¶97vi2843
BER	**VI**	**18 23 30 54.8**	**67.8N**	**19.7E**	**0**	**2.2D**		¶97vi2845
BER	**VI**	**22 23 22 14.3**	**67.8N**	**19.8E**	**0**	**2.4D**		¶97vi3457
BER	**VI**	**22 23 35 31.8**	**67.9N**	**19.8E**	**0**	**2.4D**		¶97vi3459
BER	**VI**	**23 23 29 38.5**	**67.9N**	**19.8E**	**0**	**2.6D**		¶97vi3608
BER	**VI**	**24 23 42 55.5**	**67.9N**	**19.8E**	**0**	**2.4D**		¶97vi3799
ISC	**VI**	**26 14 27 16**±1.0	**64.1N**±.10	**22.7E**±.26	**0**		**5**	**3-14**
BER	VI	26 14 27 19.8	63.9N	23.2E	0			¶97vi4157
EIDC	**VI**	**27 10 37 23.7**	**64.1N**	**23.0E**	**0**	**3.2L**,2.9b		**3-78**
								¶97vi4282
HEL	**VI**	**30 00 39 53**	**62.07N**	**17.76E**		**2.0L**		¶97vi4690

(537) Baltic Sea.

ISC	**I**	**22 12 32 35**±8.3	**57.1N**±.72	**19.1E**±.21	**0**		**9**	**4-21**
BER	I	22 12 32 30.8	56.4N	19.2E	0			¶97i3330
EIDC	I	22 12 32 36.4	57.0N	19.2E	0	3.5L		
ISC	**II**	**13 13 32 48**±1.5	**55.8N**±.11	**19.3E**±.32	**0**		**5**	**5-14**
EIDC	II	13 13 32 50.1	55.8N	19.6E	0	3.5L		¶97ii1930
ISC	**III**	**25 08 52 34**±8.8	**57.3N**±.77	**19.0E**±.23	**0**		**7**	**4-13**
BER	III	25 08 52 21.3	55.9N	19.2E	0			¶97iii4700
EIDC	III	25 08 52 33.1	57.0N	19.0E	0	3.3L		
ISC	**IV**	**01 16 44 53**±1.2	**58.7N**±.11	**18.8E**±.22	**0**		**6**	**3-20**
BER	IV	01 16 44 57.1	58.8N	18.8E	0			¶97iv0110
ISC	**IV**	**01 16 56 55**±1.0	**58.7N**±.11	**18.7E**±.16	**0**		**8**	**3-11**
BER	IV	01 16 56 58.8	58.8N	18.8E	0			¶97iv0111
EIDC	IV	01 16 57 02.1	59.4N	18.7E	0	3.3L		
ISC	**VI**	**03 12 21 31**±2.4	**55.8N**±.21	**19.1E**±.28	**0**		**6**	**2-14**
EIDC	VI	03 12 21 22.2	54.9N	19.5E	0	3.6L		¶97vi0451
ISC	**VI**	**12 09 11 59**±1.8	**55.2N**±.12	**19.3E**±.38	**0**		**4**	**6-7**
EIDC	VI	12 09 12 01.8	55.2N	19.4E	0	3.6L		¶97vi1821
ISC	Poorly determined							

(538) France.

LDG	**I**	**01 05 53 34.0**	**47.9N**	**4.0E**	**2**	**2.8L**		¶97i0033
ISC	**I**	**01 17 47 34.6**±.81	**47.41N**±.084	**1.4W**±.11	**10**		**12**	**1-4**
NEIC	I	01 17 47 35.4	47.45N	1.41W	10			¶97i0095
LDG	I	01 17 47 36.9	47.5N	1.3W	14	2.5L		
NEIC	Single network solution.							
ISC	**I**	**03 22 42 20.6**±.62	**45.25N**±.034	**6.51E**±.070	**9**±6.1		**27**	**0-5**
NEIC	I	03 22 42 20.8	45.23N	6.51E	10			¶97i0442
LDG	I	03 22 42 22.2	45.3N	6.5E	2	2.3L		
NEIC	ML2.5(GEN)							
ISC	**I**	**04 05 08 49.6**±.80	**46.61N**±.052	**2.69E**±.076	**10**		**11**	**0-2**
LDG	I	04 05 08 51.0	46.6N	2.8E		2.2L		¶97i0483
NEIC	I	04 05 08 51.6	46.59N	2.85E	10			
NEIC	Single network solution.							
ISC	**I**	**06 01 39 08**±2.5	**44.7N**±.15	**6.8E**±.32	**14**±20		**5**	**0-1**
NEIC	I	06 01 39 08.0	44.69N	6.76E	10			¶97i0733
ISC	Poorly determined							
NEIC	ML1.7(GEN), Single network solution.							
ISC	**I**	**06 11 08 19**±2.7	**44.6N**±.10	**6.8E**±.29	**9**±16		**7**	**0-1**
NEIC	I	06 11 08 18.8	44.59N	6.80E	10			¶97i0778
NEIC	ML1.9(GEN), Single network solution.							
ISC	**I**	**06 21 35 21**±2.7	**44.3N**±.17	**7.0E**±.32	**33**		**10**	**0-1**
								¶97i0834
ISC	**I**	**08 00 33 46**±7.5	**44.6N**±.15	**6.4E**±.71	**15**		**6**	**0-1**
NEIC	I	08 00 33 45.5	44.64N	6.39E	15			¶97i0995
NEIC	Poor solution.							
ISC	**I**	**08 23 32 48.2**±.83	**44.26N**±.048	**6.2E**±.10	**5**		**8**	**1-1**
NEIC	I	08 23 32 48.7	44.24N	6.24E	5			¶97i1137
LDG	I	08 23 32 49.7	44.3N	6.3E		1.9L		
NEIC	Single network solution.							
ISC	**I**	**09 19 48 08.2**±.56	**47.01N**±.048	**0.48E**±.059	**5**		**14**	**1-3**
LDG	I	09 19 48 11.0	47.0N	0.5E		2.5L		¶97i1269
NEIC	I	09 19 48 12.7	46.97N	0.40E	5			
NEIC	Single network solution.							
LDG	**I**	**09 20 59 31.4**	**48.0N**	**7.5E**	**2**	**1.9L**		¶97i1275
ISC	**I**	**11 04 09 04.8**±.75	**45.21N**±.049	**6.39E**±.086	**10**		**8**	**0-2**
NEIC	I	11 04 09 05.6	45.17N	6.51E	10			¶97i1459
LDG	I	11 04 09 06.2	45.2N	6.4E	11	2.0L		
NEIC	Single network solution.							
ISC	**I**	**11 13 39 03.3**±.39	**48.01N**±.030	**7.46E**±.044	**10**		**33**	**0-4**
NEIC	I	11 13 39 03.9	48.00N	7.46E	10			¶97i1528
LEDBW	I	11 13 39 04.2	48.00N	7.51E	7	2.2L		
LDG	I	11 13 39 04.5	48.0N	7.5E	10	2.7L		
SZGRF	I	11 13 39 08.3	48.10N	7.68E	10	1.6L		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**12 01 23 58.7**±.29	**46.54N**±.024	**0.99W**±.035	**10**	3.1b	**101**	**0-59**
NEIC	I	12 01 23 58.9	46.56N	1.02W	10		¶97i1607	
EIDC	I	12 01 24 00.2	46.3N	0.8W	0	3.6L,3.0b		
LDG	I	12 01 24 01.0	46.5N	1.2W	6	4.2L		
STR	I	12 01 24 01.1	46.55N	1.08W	10	4.3L		
MDD	I	12 01 24 03.2	46.54N	1.08W	29	3.4		
ISC	**I**	**12 05 48 32**±1.8	**44.70N**±.068	**6.8E**±.22	**13**±9.7		**9**	**0-1**
NEIC	I	12 05 48 31.3	44.70N	6.83E	10		¶97i1630	
NEIC	$M_{L2.1}$(GEN).							
ISC	**I**	**14 02 24 54.8**±.69	**45.92N**±.043	**6.00E**±.089	**5**		**12**	**1-2**
NEIC	I	14 02 24 56.7	45.91N	6.19E	5		¶97i1942	
LDG	I	14 02 24 56.8	45.9N	6.0E		2.2L		
NEIC	Single network solution.							
ISC	**I**	**15 19 31 03.4**±.77	**46.40N**±.052	**3.4E**±.13	**10**		**8**	**0-1**
LDG	I	15 19 31 03.8	46.4N	3.4E	25	2.0L	¶97i2199	
NEIC	I	15 19 31 04.0	46.42N	3.37E	10			
NEIC	M_L2.0(LDG), Single network solution.							
ISC	**I**	**16 18 12 06**±1.0	**45.54N**±.068	**6.13E**±.095	**5**		**6**	**0-1**
NEIC	I	16 18 12 06.5	45.53N	6.17E	5		¶97i2343	
LDG	I	16 18 12 08.0	45.5N	6.2E	2	1.7L		
NEIC	Single network solution.							
ISC	**I**	**17 17 53 16.7**±.74	**45.96N**±.054	**5.99E**±.090	**10**		**11**	**1-2**
LDG	I	17 17 53 18.1	46.0N	6.1E	2	2.3L	¶97i2506	
NEIC	I	17 17 53 18.7	45.96N	6.24E	10			
NEIC	Single network solution.							
ISC	**I**	**19 07 29 58.9**±.77	**45.42N**±.057	**5.01E**±.077	**10**		**10**	**1-2**
LDG	I	19 07 30 00.4	45.4N	5.0E	2	1.9L	¶97i2805	
NEIC	I	19 07 30 01.2	45.30N	5.07E	10			
NEIC	Single network solution.							
ISC	**I**	**19 09 27 57**±1.5	**44.7N**±.10	**6.6E**±.13	**2**		**4**	**0-1**
LDG	I	19 09 27 57.1	44.8N	6.7E	2	2.0L	¶97i2811	
ISC	Poorly determined							
ISC	**I**	**19 10 30 53.4**±.78	**44.76N**±.053	**6.65E**±.086	**10**		**11**	**0-1**
NEIC	I	19 10 30 54.2	44.82N	6.71E	10		¶97i2820	
LDG	I	19 10 30 54.5	44.8N	6.7E	2	2.3L		
NEIC	Single network solution.							
ISC	**I**	**19 13 59 14**±1.9	**47.0N**±.11	**2.0W**±.12	**10**		**7**	**1-2**
NEIC	I	19 13 59 14.8	46.82N	2.29W	10		¶97i2849	
LDG	I	19 13 59 15.9	47.0N	2.0W	2	2.2L		
NEIC	Single network solution.							
ISC	**I**	**19 16 37 24.6**±.84	**43.0N**±.12	**0.19E**±.070	**6**±18		**9**	**0-2**
LDG	I	19 16 37 24.7	42.9N	0.2E	2	2.2L	¶97i2865	
MDD	I	19 16 37 25.8	42.99N	0.16E	4	2.3		
ISC	**I**	**19 23 15 57.4**±.66	**43.05N**±.067	**0.18E**±.051	**9**±7.9		**17**	**0-4**
NEIC	I	19 23 15 57.8	43.08N	0.11E	10		¶97i2903	
LDG	I	19 23 15 58.0	43.1N	0.1E	2	2.5L		
MDD	I	19 23 15 58.6	43.04N	0.14E	7	2.8		
NEIC	Single network solution.							
ISC	**I**	**21 03 07 11.5**±.37	**45.96N**±.029	**6.05E**±.043	**5**		**30**	**0-3**
NEIC	I	21 03 07 12.4	45.96N	6.03E	5		¶97i3129	
ZUR	I	21 03 07 12.6	45.87N	6.13E	10	2.1L		
LDG	I	21 03 07 12.9	45.9N	6.1E	2	2.8L		
NEIC	$M_{L2.9}$(STR)							
ISC	**I**	**21 05 18 36**±1.2	**45.9N**±.10	**5.9E**±.20	**2**±25		**12**	**1-2**
LDG	I	21 05 18 37.5	46.0N	6.1E	2	2.2L	¶97i3143	
NEIC	I	21 05 18 38.1	45.98N	6.26E	10			
NEIC	Single network solution.							
ISC	**I**	**25 06 13 19**±1.3	**44.77N**±.051	**6.6E**±.16	**9**±34		**7**	**0-1**
NEIC	I	25 06 13 20.0	44.81N	6.63E	5		¶97i3757	
LDG	I	25 06 13 20.3	44.8N	6.6E	2	1.8L		
NEIC	Single network solution.							
ISC	**I**	**25 11 57 31**±1.2	**45.92N**±.074	**0.8E**±.12	**10**		**9**	**1-3**
NEIC	I	25 11 57 32.0	45.91N	0.69E	10		¶97i3808	
LDG	I	25 11 57 32.1	45.9N	0.8E	2	2.0L		
NEIC	Single network solution.							
ISC	**I**	**26 01 27 06**±1.1	**46.75N**±.086	**1.35E**±.086	**1**±12		**12**	**1-2**
NEIC	I	26 01 27 07.4	46.80N	1.36E	5		¶97i3869	
LDG	I	26 01 27 07.5	46.8N	1.4E	2	2.0L		
NEIC	Poor solution.							
ISC	**I**	**26 07 44 42.9**±.67	**47.05N**±.049	**0.50E**±.075	**5**		**13**	**1-3**
LDG	I	26 07 44 45.0	47.0N	0.5E	2	2.3L	¶97i3906	
NEIC	I	26 07 44 46.0	47.07N	0.31E	5			
NEIC	Single network solution.							
ISC	**I**	**26 08 48 22.6**±.94	**44.97N**±.063	**6.18E**±.080	**5**		**9**	**0-2**
NEIC	I	26 08 48 23.3	45.04N	6.17E	5		¶97i3912	
LDG	I	26 08 48 24.4	45.0N	6.2E	2	1.8L		
NEIC	Single network solution.							
ISC	**I**	**26 20 09 48**±2.2	**44.8N**±.18	**6.2E**±.17	**25**		**6**	**0-1**
LDG	I	26 20 09 47.1	44.8N	6.2E	25	1.5L	¶97i3992	
ISC	Poorly determined							
ISC	**I**	**26 21 07 08**±1.4	**48.00N**±.049	**7.5E**±.16	**2**		**9**	**0-3**
LDG	I	26 21 07 09.5	48.0N	7.4E	2	1.7L	¶97i3996	
ISC	**I**	**26 23 15 25**±3.3	**48.9N**±.30	**2.0W**±.15	**14**±19		**6**	**1-1**
NEIC	I	26 23 15 27.2	48.80N	1.97W	10		¶97i4013	
LDG	I	26 23 15 27.5	48.8N	2.0W	10	2.0L		
NEIC	Single network solution.							
ISC	**I**	**26 23 16 51**±2.9	**48.8N**±.27	**2.0W**±.13	**10**		**6**	**1-1**
NEIC	I	26 23 16 52.6	48.79N	1.93W	10		¶97i4014	
LDG	I	26 23 16 52.7	48.8N	2.0W	2	1.5L		
NEIC	Single network solution.							
ISC	**I**	**27 00 40 54.5**±.69	**45.53N**±.050	**6.01E**±.071	**10**		**13**	**1-2**
LDG	I	27 00 40 55.9	45.5N	6.1E	2	2.1L	¶97i4023	
NEIC	I	27 00 40 56.3	45.43N	6.14E	10			
NEIC	Single network solution.							
ISC	**I**	**27 06 44 49.9**±.45	**44.95N**±.028	**6.57E**±.052	**6**±6.9		**30**	**0-2**
NEIC	I	27 06 44 50.4	44.97N	6.63E	5		¶97i4059	
LDG	I	27 06 44 50.8	45.0N	6.6E	2	2.3L		
NEIC	$M_{L2.4}$(GEN)							
ISC	**I**	**28 17 39 48.0**±.41	**48.02N**±.037	**7.46E**±.040	**2**		**27**	**0-3**
NEIC	I	28 17 39 47.4	48.15N	7.54E	5		¶97i4234	
LEDBW	I	28 17 39 49.2	48.00N	7.51E	9	1.9L		
LDG	I	28 17 39 51.1	48.0N	7.3E	2	2.3L		
SZGRF	I	28 17 39 54.4	48.13N	7.69E	10	1.7L		
NEIC	Less reliable solution.							
ISC	**I**	**28 20 14 18.6**±.54	**44.17N**±.032	**6.96E**±.054	**2**		**19**	**0-1**
NEIC	I	28 20 14 18.9	44.16N	7.01E	10		¶97i4256	
LDG	I	28 20 14 19.4	44.2N	7.0E	2	1.5L		
ISC	**I**	**28 23 53 35.9**±.89	**44.80N**±.055	**6.75E**±.095	**2**		**7**	**0-1**
NEIC	I	28 23 53 35.4	44.80N	6.75E	10		¶97i4271	
LDG	I	28 23 53 36.1	44.8N	6.7E	2			
NEIC	$M_{L1.5}$(GEN).							
ISC	**I**	**30 14 35 57**±3.9	**44.91N**±.075	**6.7E**±.45	**13**±9.5		**9**	**0-1**
NEIC	I	30 14 35 53.3	44.91N	6.37E	5		¶97i4496	
NEIC	M_L2.2(GEN), Single network solution.							
ISC	**I**	**30 16 17 46.5**±.94	**44.43N**±.088	**5.0E**±.18	**27**±15		**11**	**0-2**
NEIC	I	30 16 17 45.3	44.41N	4.86E	10		¶97i4513	
NEIC	$M_{L2.8}$(STR).							
ISC	**I**	**31 12 48 31.5**±.75	**45.15N**±.086	**5.91E**±.074	**9**±8.0		**14**	**0-2**
NEIC	I	31 12 48 31.7	45.19N	5.93E	10		¶97i4630	
NEIC	$M_{L2.5}$(STR).							
ISC	**I**	**31 21 36 52**±2.3	**46.0N**±.16	**1.8W**±.21	**2**		**7**	**1-3**
LDG	I	31 21 36 56.5	46.1N	1.6W	2	2.2L	¶97i4683	
NEIC	I	31 21 37 00.0	46.12N	1.32W	5			
NEIC	Single network solution.							
ISC	**II**	**04 07 43 10**±2.2	**44.71N**±.069	**6.8E**±.24	**5**		**6**	**0-1**
NEIC	II	04 07 43 09.4	44.71N	6.79E	5		¶97ii0485	
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**II**	**04 15 01 40.5**±.49	**43.09N**±.028	**0.28E**±.027	**10**±4.6		**76**	**0-8**
NEIC	II	04 15 01 40.3	43.09N	0.27E	10		¶97ii0552	
FBR	II	04 15 01 41.6	43.00N	0.24E		3.4D		
STR	II	04 15 01 41.7	42.96N	0.22E	7	3.6L		
LDG	II	04 15 01 41.8	43.0N	0.2E	2	3.9L		
MDD	II	04 15 01 42.0	43.04N	0.23E	6	3.7		
NEIC	mbLg3.8(MDD)							
MDD	Felt I=IV MSK, south Bagneres Bigorre, France							
ISC	**II**	**04 18 22 38.2**±.70	**45.94N**±.042	**6.01E**±.092	**5**		**11**	**1-2**
NEIC	II	04 18 22 39.7	45.93N	6.12E	5		¶97ii0577	
LDG	II	04 18 22 39.9	45.9N	6.1E	2	2.3L		
NEIC	Single network solution.							
ISC	**II**	**05 03 27 32**±1.9	**46.3N**±.22	**2.7E**±.17	**17**		**6**	**0-1**
LDG	II	05 03 27 31.8	46.3N	2.8E	17	1.4L	¶97ii0634	
ISC	**II**	**05 04 19 10.3**±.88	**46.74N**±.038	**5.79E**±.087	**6**±9.7		**19**	**0-3**
LDG	II	05 04 19 11.9	46.7N	5.8E	2	2.6L	¶97ii0638	
ISC	**II**	**05 05 32 39.0**±.97	**45.44N**±.054	**5.89E**±.095	**2**		**10**	**1-2**
LDG	II	05 05 32 41.2	45.5N	6.0E	2	2.0L	¶97ii0643	
ISC	**II**	**05 06 56 36.3**±.39	**43.13N**±.035	**0.29E**±.036	**2**		**29**	**0-5**
NEIC	II	05 06 56 37.2	42.95N	0.26E	5		¶97ii0650	
LDG	II	05 06 56 37.9	43.0N	0.2E	2	2.9L		
MDD	II	05 06 56 38.5	42.99N	0.23E	2	2.8		
NEIC	mbLg2.9(MDD), M_L2.6(STR)							
MDD	Felt I=II−III MSK, south Bagneres Bigorre, France							
ISC	**II**	**05 20 41 22**±1.0	**47.47N**±.067	**0.92W**±.099	**2**		**8**	**1-2**
LDG	II	05 20 41 23.4	47.5N	0.9W	2	1.8L	¶97ii0747	
ISC	**II**	**07 08 06 09.5**±.86	**47.48N**±.061	**0.88W**±.088	**2**		**9**	**1-3**
LDG	II	07 08 06 11.4	47.5N	0.9W	2	2.5L	¶97ii0964	
ISC	**II**	**08 18 08 07.4**±.61	**44.10N**±.042	**6.97E**±.065	**8**±10		**15**	**0-1**
NEIC	II	08 18 08 07.5	44.09N	6.97E	10		¶97ii1180	
LDG	II	08 18 08 07.6	44.1N	7.1E	2	1.9L		
NEIC	M_L2.1(GEN), Single network solution.							
ISC	**II**	**09 11 42 08.1**±.90	**46.85N**±.063	**1.26W**±.099	**2**		**11**	**1-3**
LDG	II	09 11 42 10.7	46.9N	1.3W	2	2.5L	¶97ii1301	
ISC	**II**	**09 23 47 44.0**±.79	**44.13N**±.044	**6.2E**±.10	**2**		**9**	**1-1**
LDG	II	09 23 47 45.2	44.1N	6.2E	2	1.7L	¶97ii1386	
ISC	**II**	**10 00 15 01.6**±.54	**45.51N**±.025	**6.61E**±.045	**7**±4.8		**46**	**0-5**
ROM	II	10 00 15 02.1	45.5N	6.7E	10	2.3D	¶97ii1387	
NEIC	II	10 00 15 02.1	45.49N	6.65E	10			
LDG	II	10 00 15 02.7	45.5N	6.7E	2	2.8L		
NEIC	$M_{L2.7}$(GEN).							
ISC	**II**	**10 00 32 12.5**±.51	**45.94N**±.035	**6.04E**±.063	**2**		**20**	**1-3**
LDG	II	10 00 32 14.3	45.9N	6.1E	2	2.4L	¶97ii1390	
LDG	**II**	**10 21 09 35.2**	**48.8N**	**4.2W**	**2**	**2.1L**	¶97ii1516	
LDG	**II**	**11 01 33 21.0**	**48.5N**	**7.7E**	**15**	**1.8L**	¶97ii1567	
ISC	**II**	**11 22 06 44**±2.0	**44.1N**±.11	**5.2E**±.23	**2**		**5**	**1-1**
LDG	II	11 22 06 45.8	44.2N	5.2E	2	1.8L	¶97ii1680	
ISC	**II**	**13 14 31 44**±1.4	**50.5N**±.14	**1.20E**±.098	**5**		**21**	**2-6**
NEIC	II	13 14 31 43.3	50.52N	1.22E	5		¶97ii1939	
LDG	II	13 14 31 46.2	50.5N	1.3E	2	3.2L		
NEIC	Single network solution.							
ISC	**II**	**14 03 13 39**±2.2	**48.4N**±.15	**3.3W**±.22	**15**		**6**	**0-2**
LDG	II	14 03 13 39.4	48.3N	3.4W	15	2.4L	¶97ii2014	
ISC	**II**	**15 10 13 55.4**±.72	**45.40N**±.049	**6.62E**±.075	**7**±9.0		**12**	**0-1**
NEIC	II	15 10 13 55.8	45.40N	6.66E	5		¶97ii2214	
LDG	II	15 10 13 56.0	45.4N	6.7E	2	2.1L		
NEIC	$M_{L2.3}$(GEN)							
ISC	**II**	**16 00 50 55.8**±.77	**43.09N**±.083	**0.17E**±.059	**5**		**10**	**0-2**
NEIC	II	16 00 50 55.8	42.83N	0.13E	5		¶97ii2319	
LDG	II	16 00 50 56.8	43.0N	0.2E	2	2.1L		
NEIC	$M_{L1.5}$(STR).							
ISC	**II**	**16 05 43 11.9**±.47	**44.04N**±.033	**6.04E**±.041	**5**		**23**	**0-2**
LDG	II	16 05 43 11.9	44.0N	6.0E	2	2.0L	¶97ii2343	
NEIC	II	16 05 43 12.4	44.00N	6.04E	5			
NEIC	$M_{L2.2}$(STR)							
LDG	**II**	**16 13 33 57.9**	**43.2N**	**0.0E**	**2**	**1.8L**	¶97ii2379	
ISC	**II**	**16 17 22 41.4**±.90	**45.30N**±.064	**6.5E**±.11	**5**		**6**	**0-1**
NEIC	II	16 17 22 41.8	45.28N	6.60E	5		¶97ii2399	
LDG	II	16 17 22 42.1	45.3N	6.6E	2	1.6L		
NEIC	Single network solution.							
ISC	**II**	**17 17 07 31.3**±.41	**46.84N**±.032	**5.85E**±.048	**10**		**25**	**0-2**
LDG	II	17 17 07 32.6	46.8N	5.9E	2	2.8L	¶97ii2518	
NEIC	II	17 17 07 32.7	46.82N	5.91E	10			
NEIC	$M_{L2.9}$(STR)							
ISC	**II**	**17 20 31 52.5**±.66	**44.74N**±.035	**6.60E**±.075	**8**±11		**16**	**0-1**
NEIC	II	17 20 31 53.1	44.78N	6.65E	10		¶97ii2541	
LDG	II	17 20 31 53.5	44.8N	6.6E	2	1.9L		
NEIC	$M_{L1.9}$(GEN).							
ISC	**II**	**17 20 38 53.3**±.48	**44.74N**±.031	**6.61E**±.056	**9**±6.1		**26**	**0-3**
NEIC	II	17 20 38 53.6	44.76N	6.67E	5		¶97ii2542	
LDG	II	17 20 38 54.5	44.8N	6.7E	2	2.0L		
ISC	**II**	**17 20 38 59**±1.1	**44.73N**±.079	**6.62E**±.094	**5**		**7**	**0-3**
NEIC	II	17 20 38 58.1	44.89N	6.81E	5		¶97ii2543	
LDG	II	17 20 39 00.0	44.8N	6.7E	2	2.4L		
NEIC	Single network solution.							
ISC	**II**	**17 23 10 44**±1.1	**45.49N**±.081	**6.1E**±.11	**10**		**5**	**0-1**
NEIC	II	17 23 10 44.8	45.45N	6.15E	10		¶97ii2565	
LDG	II	17 23 10 45.2	45.5N	6.1E	2	1.8L		
NEIC	Single network solution.							
ISC	**II**	**19 03 43 35.2**±.98	**45.26N**±.060	**6.6E**±.17	**5**		**7**	**0-2**
NEIC	II	19 03 43 35.8	45.33N	6.51E	5		¶97ii2730	
LDG	II	19 03 43 35.9	45.3N	6.5E	2	1.7L		
NEIC	Single network solution.							

ISC	**II**	**19 05 12 52.5**±.40	**45.32N**±.029	**6.45E**±.048	**7**±7.0		**31**	**0-3**
LDG	II	19 05 12 54.3	45.3N	6.5E	2	2.6L		**¶97ii2734**
NEIC	II	19 05 12 55.0	45.30N	6.73E	5			
ISC	**II**	**19 05 13 53**±1.3	**45.30N**±.097	**6.5E**±.20	**5**		**5**	**0-1**
NEIC	II	19 05 13 53.1	45.30N	6.54E	5			**¶97ii2735**
LDG	II	19 05 13 53.4	45.3N	6.5E	2	1.8L		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**II**	**21 04 09 04.2**±.75	**45.38N**±.056	**5.73E**±.073	**5**		**13**	**0-3**
LDG	II	21 04 09 05.6	45.3N	5.8E	2	2.1L		**¶97ii3012**
NEIC	II	21 04 09 05.9	45.29N	5.87E	5			
NEIC	Single network solution.							
ISC	**II**	**21 18 36 01.8**±.75	**44.78N**±.054	**6.66E**±.093	**5**		**8**	**0-1**
NEIC	II	21 18 36 02.1	44.79N	6.70E	5			**¶97ii3107**
LDG	II	21 18 36 02.8	44.8N	6.7E	2	1.8L		
NEIC	Single network solution.							
ISC	**II**	**21 19 51 32.9**±.34	**44.81N**±.021	**6.66E**±.034	**6**±3.8		**57**	**0-4**
NEIC	II	21 19 51 32.9	44.83N	6.68E	5			**¶97ii3113**
ROM	II	21 19 51 33.8	44.8N	6.7E	10	2.6D		
LDG	II	21 19 51 34.7	44.8N	6.6E	2	2.8L		
NEIC	$M_{L2.7}$(GEN).							
NEIC	ML 2.6 (STR).							
ISC	**II**	**21 20 01 45.0**±.33	**44.81N**±.021	**6.67E**±.033	**8**±3.8		**58**	**0-4**
ROM	II	21 20 01 44.9	44.9N	6.8E	4	2.6D		**¶97ii3114**
NEIC	II	21 20 01 45.0	44.84N	6.68E	5			
LDG	II	21 20 01 46.6	44.8N	6.7E	2	2.8L		
NEIC	$M_{L2.6}$(GEN).							
NEIC	ML 2.6 (STR).							
ISC	**II**	**22 19 58 56.4**±.80	**44.21N**±.044	**6.1E**±.10	**5**		**9**	**1-1**
NEIC	II	22 19 58 56.8	44.20N	6.12E	5			**¶97ii3242**
LDG	II	22 19 58 57.5	44.2N	6.1E	2	1.6L		
NEIC	Single network solution.							
ISC	**II**	**23 18 32 59**±2.1	**46.5N**±.22	**2.5E**±.25	**10**		**6**	**0-1**
NEIC	II	23 18 32 59.1	46.51N	2.47E	10			**¶97ii3358**
LDG	II	23 18 32 59.7	46.4N	2.6E	2	1.3L		
NEIC	Single network solution.							
ISC	**II**	**24 09 54 04**±8.1	**44.8N**±.13	**6.5E**±.75	**14**±20		**5**	**0-1**
NEIC	II	24 09 54 03.1	44.80N	6.39E	10			**¶97ii3457**
ISC	Poorly determined							
NEIC	M_L2.0(GEN), Poor solution.							
ISC	**II**	**26 14 27 40**±2.5	**44.66N**±.083	**6.8E**±.27	**12**±11		**8**	**0-1**
NEIC	II	26 14 27 39.4	44.65N	6.76E	5			**¶97ii3803**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**II**	**27 17 56 48**±2.8	**48.9N**±.26	**1.9W**±.12	**2**		**6**	**1-1**
LDG	II	27 17 56 49.8	48.8N	1.8W	2	2.0L		**¶97ii3992**
ISC	**II**	**27 19 24 02**±2.1	**46.5N**±.17	**2.4E**±.24	**5**		**6**	**0-1**
NEIC	II	27 19 24 03.0	46.48N	2.44E	5			**¶97ii3998**
LDG	II	27 19 24 03.4	46.5N	2.5E	2	1.7L		
NEIC	Single network solution.							
ISC	**II**	**28 21 18 44**±1.0	**45.30N**±.058	**6.7E**±.20	**2**		**6**	**0-2**
LDG	II	28 21 18 43.9	45.3N	6.7E	2	2.2L		**¶97ii4341**
ISC	**III**	**01 10 03 58**±1.3	**43.1N**±.11	**0.16E**±.072	**11**±10		**13**	**0-2**
NEIC	III	01 10 03 58.9	43.02N	0.14E	10			**¶97iii0088**
LDG	III	01 10 03 59.1	43.1N	0.2E	2	2.2L		
MDD	III	01 10 03 59.8	43.04N	0.14E	2	2.6		
ISC	**III**	**01 11 23 19.5**±.33	**44.42N**±.023	**6.95E**±.035	**11**±4.6		**41**	**0-2**
NEIC	III	01 11 23 20.1	44.43N	7.05E	10			**¶97iii0096**
LDG	III	01 11 23 20.3	44.4N	7.0E	2	2.7L		
NEIC	$M_{L2.7}$(GEN), ML 2.5 (STR)							
ISC	**III**	**02 16 39 08.5**±.35	**44.24N**±.024	**6.28E**±.034	**3**±7.7		**42**	**0-3**
NEIC	III	02 16 39 08.7	44.24N	6.28E	5			**¶97iii0355**
LDG	III	02 16 39 09.0	44.2N	6.3E	2	2.5L		
NEIC	$M_{L2.4}$(STR).							
ISC	**III**	**02 16 48 29.8**±.84	**44.25N**±.054	**6.2E**±.11	**5**		**7**	**1-1**
NEIC	III	02 16 48 30.2	44.25N	6.23E	5			**¶97iii0359**
LDG	III	02 16 48 30.8	44.3N	6.2E	2	1.8L		
NEIC	Single network solution.							
ISC	**III**	**02 17 00 23**±1.1	**44.24N**±.067	**6.2E**±.17	**5**		**5**	**1-1**
NEIC	III	02 17 00 23.5	44.20N	6.19E	5			**¶97iii0360**
LDG	III	02 17 00 24.1	44.2N	6.2E	2	1.7L		
NEIC	Single network solution.							
ISC	**III**	**02 17 13 06.5**±.75	**44.20N**±.042	**6.2E**±.10	**5**		**9**	**1-1**
NEIC	III	02 17 13 07.0	44.19N	6.26E	5			**¶97iii0362**
LDG	III	02 17 13 07.7	44.2N	6.3E	2	1.9L		
NEIC	Single network solution.							
ISC	**III**	**02 17 18 25.8**±.75	**44.26N**±.042	**6.2E**±.10	**5**		**9**	**1-1**
NEIC	III	02 17 18 26.3	44.24N	6.21E	5			**¶97iii0363**
LDG	III	02 17 18 27.0	44.3N	6.2E	2	1.9L		
NEIC	Single network solution.							
LDG	**III**	**02 17 21 10.9**	**44.3N**	**6.2E**	**2**	**1.6L**		**¶97iii0365**
ISC	**III**	**02 17 26 33**±1.2	**44.24N**±.056	**6.2E**±.16	**5**		**6**	**1-1**
NEIC	III	02 17 26 32.6	44.24N	6.16E	5			**¶97iii0366**
LDG	III	02 17 26 33.4	44.3N	6.2E	2	1.9L		
NEIC	Single network solution.							
ISC	**III**	**02 17 48 18.6**±.83	**44.25N**±.054	**6.2E**±.11	**5**		**7**	**1-1**
NEIC	III	02 17 48 18.9	44.25N	6.25E	5			**¶97iii0372**
LDG	III	02 17 48 19.6	44.3N	6.3E	2	2.0L		
NEIC	Single network solution.							
ISC	**III**	**02 19 50 38.3**±.37	**44.25N**±.025	**6.25E**±.034	**5**±5.3		**45**	**0-3**
NEIC	III	02 19 50 38.4	44.25N	6.26E	5			**¶97iii0389**
LDG	III	02 19 50 39.2	44.3N	6.3E	2	2.5L		
NEIC	$M_{L2.7}$(GEN), ML 2.4 (STR)							
ISC	**III**	**03 03 35 35.5**±.73	**44.24N**±.038	**6.17E**±.083	**6**±8.7		**19**	**1-7**
NEIC	III	03 03 35 36.2	44.23N	6.21E	5			**¶97iii0465**
LDG	III	03 03 35 36.7	44.2N	6.2E	2	2.0L		
NEIC	$M_{L2.4}$(GEN)							
ISC	**III**	**03 06 31 46**±2.8	**44.79N**±.064	**6.7E**±.30	**10**		**7**	**0-1**
NEIC	III	03 06 31 45.4	44.79N	6.67E	10			**¶97iii0497**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**III**	**03 17 15 48**±1.1	**44.2N**±.10	**6.1E**±.24	**5**		**5**	**1-1**
NEIC	III	03 17 15 48.5	44.22N	6.16E	5			**¶97iii0647**
NEIC	M_L1.6(LDG), Single network solution.							
NEIC	**III**	**03 17 27 10.9**	**44.18N**	**6.18E**	**5**			**1-1**
NEIC	M_L1.7(LDG), Poor solution.							**¶97iii0648**
ISC	**III**	**03 17 56 44**±1.1	**44.25N**±.057	**6.3E**±.22	**5**		**5**	**1-1**
NEIC	III	03 17 56 43.7	44.25N	6.27E	5			**¶97iii0653**
NEIC	M_L2.2(LDG), Single network solution.							
ISC	**III**	**03 18 07 19.3**±.83	**44.25N**±.054	**6.2E**±.11	**5**		**7**	**1-1**
NEIC	III	03 18 07 19.6	44.25N	6.25E	5			**¶97iii0657**
NEIC	M_L1.7(LDG), Single network solution.							
EIDC	**III**	**04 14 06 52.5**	**47.5N**	**3.0E**	**0**	2.9b		**1-60**
								¶97iii0856
ISC	**III**	**06 13 02 48.8**±.63	**44.31N**±.042	**6.07E**±.070	**10**±7.9		**28**	**0-2**
NEIC	III	06 13 02 48.7	44.32N	6.09E	5			**¶97iii1272**
NEIC	$M_{L2.5}$(GEN), $M_{L2.2}$(STR).							
ISC	**III**	**07 21 29 04**±1.3	**47.61N**±.092	**2.21W**±.087	**5**		**7**	**1-2**
LDG	III	07 21 29 05.8	47.6N	2.3W	2	1.8L		**¶97iii1606**
NEIC	III	07 21 29 06.3	47.69N	2.33W	5			
NEIC	Single network solution.							
ISC	**III**	**08 10 50 42.5**±.75	**45.13N**±.045	**6.5E**±.10	**5**		**8**	**0-2**
NEIC	III	08 10 50 43.3	45.13N	6.55E	5			**¶97iii1735**
LDG	III	08 10 50 43.5	45.1N	6.5E	2	1.9L		
NEIC	Single network solution.							
ISC	**III**	**09 18 56 24.0**±.61	**45.96N**±.037	**6.26E**±.075	**5**		**15**	**1-3**
NEIC	III	09 18 56 25.3	45.99N	6.44E	5			**¶97iii2062**
LDG	III	09 18 56 25.9	46.0N	6.3E	2	2.3L		
NEIC	Single network solution.							
ISC	**III**	**10 03 28 07**±2.3	**44.74N**±.048	**6.7E**±.26	**9**±11		**11**	**0-1**
NEIC	III	10 03 28 06.7	44.75N	6.64E	10			**¶97iii2137**
NEIC	$M_{L1.7}$(STR).							
ISC	**III**	**11 03 35 24.5**±.81	**43.09N**±.067	**0.17E**±.089	**12**±11		**8**	**0-2**
NEIC	III	11 03 35 24.9	42.86N	0.16E	5			**¶97iii2303**
LDG	III	11 03 35 25.6	43.0N	0.2E	2	2.1L		
MDD	III	11 03 35 26.3	43.05N	0.14E	2	2.8		
NEIC	Less reliable solution.							
ISC	**III**	**12 07 00 26.6**±.86	**47.14N**±.066	**0.24W**±.097	**4**±18		**15**	**1-3**
LDG	III	12 07 00 28.5	47.1N	0.2W	2	2.3L		**¶97iii2490**
NEIC	III	12 07 00 28.5	47.09N	0.47W	5			
NEIC	Single network solution.							
ISC	**III**	**13 07 08 51.0**±.42	**45.05N**±.024	**6.90E**±.044	**8**±5.3		**43**	**0-3**
NEIC	III	13 07 08 51.0	45.08N	6.93E	5			**¶97iii2664**
ROM	III	13 07 08 51.3	45.0N	7.0E	10	2.7D		
NEIC	$M_{L3.0}$(GEN), $M_{L2.9}$(STR).							
ISC	**III**	**15 04 15 59.2**±.54	**45.04N**±.032	**6.85E**±.079	**12**±8.7		**17**	**0-2**
LDG	III	15 04 16 00.0	45.1N	6.9E	2	1.9L		**¶97iii2996**
NEIC	III	15 04 16 00.0	45.06N	6.92E	5			
NEIC	$M_{L2.5}$(GEN)							
ISC	**III**	**15 20 46 39.4**±.69	**44.38N**±.041	**6.41E**±.096	**5**		**9**	**0-1**
NEIC	III	15 20 46 39.9	44.38N	6.44E	5			**¶97iii3104**
LDG	III	15 20 46 40.6	44.4N	6.4E	2	1.8L		
NEIC	Single network solution.							
ISC	**III**	**15 20 46 46.0**±.90	**43.14N**±.083	**0.15E**±.080	**5**		**6**	**0-2**
NEIC	III	15 20 46 46.7	42.90N	0.14E	5			**¶97iii3105**
LDG	III	15 20 46 46.8	43.0N	0.1E	2	1.7L		
NEIC	Single network solution.							
ISC	**III**	**16 05 46 05.1**±.38	**45.06N**±.027	**6.83E**±.049	**10**		**28**	**0-3**
NEIC	III	16 05 46 06.5	45.05N	7.00E	10			**¶97iii3169**
LDG	III	16 05 46 06.8	45.1N	6.9E	2	2.1L		
NEIC	$M_{L2.5}$(GEN)							
ISC	**III**	**17 02 22 20**±3.5	**47.7N**±.13	**3.3W**±.27	**2**		**7**	**0-2**
LDG	III	17 02 22 20.5	47.8N	3.5W	2	2.0L		**¶97iii3306**
ISC	**III**	**17 06 45 30.5**±.54	**44.27N**±.034	**6.24E**±.056	**5**		**16**	**1-1**
NEIC	III	17 06 45 30.9	44.25N	6.25E	5			**¶97iii3333**
LDG	III	17 06 45 31.3	44.3N	6.2E	2	1.9L		
NEIC	$M_{L1.9}$(STR).							
ISC	**III**	**17 10 48 25**±3.9	**44.9N**±.13	**6.7E**±.39	**11**±16		**6**	**0-1**
NEIC	III	17 10 48 24.2	44.86N	6.62E	5			**¶97iii3366**
NEIC	M_L1.9(GEN), Single network solution.							
ISC	**III**	**17 18 18 34.2**±.98	**43.91N**±.071	**0.3E**±.11	**5**		**6**	**1-2**
NEIC	III	17 18 18 35.6	43.90N	0.19E	5			**¶97iii3415**
LDG	III	17 18 18 35.8	43.9N	0.2E	2	1.9L		
NEIC	Single network solution.							
ISC	**III**	**17 19 33 41.9**±.49	**44.70N**±.032	**6.62E**±.058	**10**		**19**	**0-1**
NEIC	III	17 19 33 42.6	44.74N	6.69E	10			**¶97iii3425**
LDG	III	17 19 33 43.0	44.7N	6.6E	2	1.9L		
NEIC	$M_{L2.1}$(GEN)							
ISC	**III**	**18 01 21 56**±1.3	**47.27N**±.088	**1.63W**±.096	**5**		**7**	**1-2**
NEIC	III	18 01 21 57.3	47.22N	1.68W	5			**¶97iii3465**
LDG	III	18 01 21 57.5	47.3N	1.6W	2	1.9L		
NEIC	Single network solution.							
ISC	**III**	**18 13 52 08.4**±.91	**47.38N**±.086	**5.10E**±.072	**12**±13		**11**	**1-3**
NEIC	III	18 13 52 09.2	47.44N	5.09E	10			**¶97iii3546**
LDG	III	18 13 52 09.7	47.4N	5.1E	6	2.5L		
NEIC	Single network solution.							
ISC	**III**	**18 23 08 40**±1.9	**44.73N**±.060	**6.8E**±.22	**4**±15		**10**	**0-1**
NEIC	III	18 23 08 40.2	44.73N	6.80E	5			**¶97iii3602**
NEIC	M_L2.3(GEN), Single network solution.							
ISC	**III**	**20 14 30 30**±4.2	**44.80N**±.081	**6.4E**±.37	**5**		**7**	**0-1**
NEIC	III	20 14 30 29.3	44.80N	6.37E	5			**¶97iii3908**
NEIC	M_L2.1(GEN), Single network solution.							
ISC	**III**	**21 13 34 39**±4.8	**44.9N**±.10	**6.7E**±.47	**5**		**4**	**0-1**
NEIC	III	21 13 34 38.8	44.89N	6.69E	5			**¶97iii4079**
ISC	Poorly determined							
NEIC	M_L1.7(GEN), Poor solution.							
ISC	**III**	**21 13 37 09**±6.2	**44.88N**±.094	**6.6E**±.58	**12**±17		**6**	**0-1**
NEIC	III	21 13 37 07.2	44.88N	6.40E	5			**¶97iii4080**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**III**	**21 18 28 15**±3.2	**49.0N**±.23	**2.0W**±.12	**1**±21		**9**	**1-4**
NEIC	III	21 18 28 13.7	49.19N	2.04W	5			**¶97iii4115**
LDG	III	21 18 28 15.1	49.2N	2.0W	2	2.6L		
NEIC	Single network solution.							
ISC	**III**	**22 04 25 12.6**±.59	**48.22N**±.049	**6.56E**±.049	**10**		**23**	**0-3**
NEIC	III	22 04 25 12.8	48.24N	6.56E	10			**¶97iii4197**
LDG	III	22 04 25 13.7	48.2N	6.7E	7	2.4L		
SZGRF	III	22 04 25 15.9	48.32N	6.68E	10	1.7L		
NEIC	$M_{L2.1}$(STR).							
ISC	**III**	**23 02 24 27.8**±.43	**44.77N**±.028	**6.89E**±.051	**5**		**22**	**0-2**
NEIC	III	23 02 24 28.4	44.78N	6.96E	5			**¶97iii4364**
LDG	III	23 02 24 28.9	44.8N	6.9E	2	2.1L		
NEIC	$M_{L2.3}$(GEN)							
ISC	**III**	**23 23 33 01.5**±.80	**44.88N**±.046	**6.6E**±.10	**5**		**8**	**0-2**
NEIC	III	23 23 33 02.2	44.92N	6.63E	5			**¶97iii4497**
LDG	III	23 23 33 02.5	44.9N	6.7E	2	1.8L		
NEIC	Single network solution.							
ISC	**III**	**25 13 16 03**±1.3	**47.67N**±.092	**2.7W**±.11	**5**		**12**	**0-4**
LDG	III	25 13 16 04.0	47.7N	2.8W	2	2.9L		**¶97iii4733**
NEIC	III	25 13 16 04.4	47.74N	2.83W	5			
NEIC	Single network solution.							
ISC	**III**	**26 16 55 44**±2.0	**47.1N**±.15	**1.8W**±.18	**5**		**6**	**1-2**
NEIC	III	26 16 55 45.1	47.12N	1.89W	5			**¶97iii5040**
LDG	III	26 16 55 45.8	47.2N	1.9W	2	2.2L		
ISC	Poorly determined							

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Poor solution.						
ISC	**III 27 03 56 59**±1.3	**45.4N**±.11	**6.4E**±.16	**5**		**6**	**0-1**
NEIC	III 27 03 56 59.5	45.30N	6.51E	5			**¶97iii5136**
LDG	III 27 03 56 59.6	45.3N	6.5E	2	1.6L		
ISC	Poorly determined						
NEIC	Poor solution.						
ISC	**III 28 18 59 18.9**±.77	**47.81N**±.087	**6.10E**±.091	**5**		**10**	**0-3**
LDG	III 28 18 59 20.4	47.8N	6.2E	2	2.1L		**¶97iii5469**
NEIC	III 28 18 59 20.8	47.81N	6.29E	5			
NEIC	Single network solution.						
LDG	**III 28 23 49 21.2**	**48.3N**	**3.2W**	**2**			**¶97iii5503**
ISC	**III 29 23 49 19**±1.5	**47.0N**±.11	**1.3W**±.12	**10**		**10**	**1-3**
LDG	III 29 23 49 20.7	46.9N	1.3W	2	1.9L		**¶97iii5664**
NEIC	III 29 23 49 21.5	46.91N	1.25W	10			
NEIC	Single network solution.						
ISC	**III 30 02 03 46.1**±.46	**45.38N**±.036	**0.16W**±.054	**5**		**40**	**1-6**
NEIC	III 30 02 03 45.4	45.33N	0.24W	5			**¶97iii5678**
LDG	III 30 02 03 46.2	45.2N	0.3W	2	3.1L		
NEIC	$M_{L2.9}$(STR).						
ISC	**III 30 04 11 32**±1.1	**45.21N**±.054	**0.4W**±.13	**10**		**18**	**1-4**
LDG	III 30 04 11 34.4	45.2N	0.3W	15	2.1L		**¶97iii5692**
NEIC	III 30 04 11 36.8	45.34N	0.18W	10			
NEIC	Single network solution.						
ISC	**III 30 19 33 39**±2.5	**46.4N**±.16	**3.4E**±.15	**10**		**7**	**0-2**
LDG	III 30 19 33 39.4	46.4N	3.5E	19	1.9L		**¶97iii5792**
NEIC	III 30 19 33 39.4	46.40N	3.45E	10			
NEIC	Single network solution.						
ISC	**III 30 19 47 52**±2.4	**46.4N**±.16	**3.5E**±.15	**10**		**7**	**0-2**
LDG	III 30 19 47 52.7	46.4N	3.4E	20	1.4L		**¶97iii5795**
NEIC	III 30 19 47 52.8	46.41N	3.45E	10			
NEIC	Single network solution.						
ISC	**III 30 20 58 29**±4.2	**46.2N**±.28	**3.5E**±.25	**20**		**7**	**0-2**
NEIC	III 30 20 58 28.6	46.21N	3.50E	20			**¶97iii5805**
LDG	III 30 20 58 30.8	46.4N	3.5E	22	1.4L		
NEIC	Single network solution.						
LDG	**III 30 22 03 56.4**	**48.5N**	**4.4W**	**2**	**1.8L**		**¶97iii5814**
ISC	**III 31 02 07 47**±2.2	**44.33N**±.069	**6.1E**±.28	**5**		**5**	**1-1**
NEIC	III 31 02 07 47.3	44.30N	6.12E	5			**¶97iii5832**
LDG	III 31 02 07 47.4	44.3N	6.0E	2	1.5L		
NEIC	Single network solution.						
ISC	**IV 02 07 08 53**±3.8	**48.0N**±.23	**0.6W**±.24	**5**		**6**	**0-2**
LDG	IV 02 07 08 55.4	48.1N	0.6W		1.9L		**¶97iv0201**
NEIC	IV 02 07 08 55.9	48.18N	0.62W	5			
NEIC	Single network solution.						
ISC	**IV 02 22 32 19**±1.1	**47.69N**±.086	**1.93W**±.079	**5**		**7**	**1-2**
LDG	IV 02 22 32 20.1	47.7N	2.0W		1.7L		**¶97iv0337**
NEIC	IV 02 22 32 20.4	47.77N	2.02W	5			
NEIC	Single network solution.						
ISC	**IV 04 00 13 27**±1.0	**45.58N**±.068	**1.4E**±.11	**5**		**5**	**1-1**
NEIC	IV 04 00 13 27.7	45.53N	1.40E	5			**¶97iv0508**
LDG	IV 04 00 13 28.5	45.6N	1.4E		2.0L		
NEIC	Single network solution.						
ISC	**IV 04 17 34 51.7**±.45	**44.43N**±.028	**6.41E**±.046	**5**±7.5		**32**	**0-3**
NEIC	IV 04 17 34 52.1	44.43N	6.44E	5			**¶97iv0639**
LDG	IV 04 17 34 52.3	44.4N	6.4E		2.4L		
NEIC	$M_{L2.4}$(GEN).						
NEIC	ML 2.1 (STR).						
ISC	**IV 04 18 06 02**±1.1	**44.45N**±.063	**6.4E**±.14	**5**		**7**	**0-1**
NEIC	IV 04 18 06 02.3	44.46N	6.40E	5			**¶97iv0642**
LDG	IV 04 18 06 02.7	44.5N	6.4E		2.0L		
NEIC	Single network solution.						
ISC	**IV 05 02 58 40**±2.7	**45.45N**±.084	**6.7E**±.31	**11**±33		**6**	**0-2**
NEIC	IV 05 02 58 40.4	45.43N	6.69E	5			**¶97iv0681**
LDG	IV 05 02 58 40.9	45.4N	6.7E		1.8L		
ISC	Poorly determined						
NEIC	Single network solution.						
ISC	**IV 05 05 33 29.2**±.70	**44.40N**±.041	**6.32E**±.095	**5**		**9**	**0-1**
NEIC	IV 05 05 33 29.8	44.40N	6.35E	5			**¶97iv0706**
LDG	IV 05 05 33 30.4	44.4N	6.3E		1.8L		
NEIC	Single network solution.						
ISC	**IV 05 06 39 35.7**±.95	**45.04N**±.062	**3.08E**±.088	**5**		**8**	**1-3**
NEIC	IV 05 06 39 37.1	44.97N	3.10E	5			**¶97iv0713**
LDG	IV 05 06 39 37.4	45.0N	3.1E		2.3L		
NEIC	Single network solution.						
ISC	**IV 05 06 43 24.1**±.96	**45.05N**±.065	**3.07E**±.093	**5**		**7**	**1-3**
LDG	IV 05 06 43 26.1	45.0N	3.1E		2.1L		**¶97iv0714**
NEIC	IV 05 06 43 26.4	45.04N	3.06E	5			
NEIC	Single network solution.						
ISC	**IV 06 10 32 21**±1.0	**45.38N**±.068	**6.6E**±.14	**5**		**6**	**0-1**
NEIC	IV 06 10 32 21.1	45.36N	6.61E	5			**¶97iv0981**
LDG	IV 06 10 32 21.4	45.3N	6.7E		1.6L		
NEIC	Single network solution.						
ISC	**IV 06 17 35 56**±1.2	**44.45N**±.061	**6.9E**±.11	**12**±8.7		**13**	**0-8**
NEIC	IV 06 17 35 56.8	44.48N	6.95E	10			**¶97iv1029**
NEIC	M_L2.0(GEN), Single network solution.						
ISC	**IV 06 20 25 23.0**±.57	**44.67N**±.033	**6.76E**±.076	**10**		**15**	**0-1**
NEIC	IV 06 20 25 23.5	44.71N	6.81E	10			**¶97iv1048**
LDG	IV 06 20 25 24.1	44.7N	6.7E		1.8L		
NEIC	$M_{L2.1}$(GEN)						
ISC	**IV 07 17 23 09**±1.1	**43.2N**±.18	**0.8E**±.12	**0**		**8**	**0-4**
LDG	IV 07 17 23 09.9	42.9N	0.9E		2.4L		**¶97iv1196**
ISC	**IV 07 20 08 53.8**±.39	**45.64N**±.024	**6.85E**±.053	**11**±5.9		**35**	**0-3**
NEIC	IV 07 20 08 54.8	45.62N	6.99E	10			**¶97iv1217**
LDG	IV 07 20 08 55.5	45.6N	6.9E		2.4L		
NEIC	$M_{L2.6}$(GEN)						
ISC	**IV 08 02 15 29**±2.8	**45.60N**±.080	**7.0E**±.30	**10**		**5**	**0-1**
LDG	IV 08 02 15 30.7	45.6N	6.9E		1.5L		**¶97iv1262**
NEIC	IV 08 02 15 30.8	45.57N	6.87E	10			
NEIC	Single network solution.						
LDG	**IV 09 03 55 13.5**	**48.2N**	**3.5W**		**2.9L**		**¶97iv1454**
ISC	**IV 11 00 08 28**±1.3	**46.1N**±.11	**2.7E**±.28	**10**		**7**	**0-1**
LDG	IV 11 00 08 29.3	46.1N	2.7E		1.4L		**¶97iv1764**
NEIC	IV 11 00 08 29.3	46.14N	2.69E	10			
NEIC	Single network solution.						
ISC	**IV 11 10 38 58**±2.0	**44.7N**±.14	**6.8E**±.27	**13**±19		**5**	**0-1**
NEIC	IV 11 10 38 57.5	44.72N	6.81E	10			**¶97iv1876**
ISC	Poorly determined						
NEIC	M_L1.9(GEN), Single network solution.						
ISC	**IV 13 02 06 38**±1.5	**47.01N**±.090	**2.7W**±.18	**0**		**10**	**1-4**
LDG	IV 13 02 06 41.1	47.1N	2.8W		2.3L		**¶97iv2173**
LDG	**IV 15 18 47 25.5**	**43.1N**	**0.1E**		**2.0L**		**¶97iv2633**
ISC	**IV 15 19 00 01.7**±.95	**43.13N**±.071	**0.11E**±.098	**0**		**6**	**0-2**
LDG	IV 15 19 00 02.4	43.0N	0.1E		2.1L		**¶97iv2636**
ISC	**IV 15 19 00 05.6**±.76	**43.07N**±.071	**0.14E**±.068	**5**		**8**	**0-2**
NEIC	IV 15 19 00 06.7	42.95N	0.09E	5			**¶97iv2637**
LDG	IV 15 19 00 07.1	43.0N	0.1E		2.3L		
MDD	IV 15 19 00 07.3	42.99N	0.10E	4	2.5		
NEIC	$M_{L2.3}$(STR).						
NEIC	mbLg 2.3 (MDD).						
ISC	**IV 19 22 33 29**±3.0	**44.5N**±.12	**6.9E**±.29	**11**±11		**8**	**0-1**
NEIC	IV 19 22 33 29.0	44.47N	6.86E	5			**¶97iv3247**
NEIC	M_L1.9(GEN), Single network solution.						
ISC	**IV 20 13 11 43.1**±.62	**44.71N**±.038	**6.60E**±.067	**8**±8.5		**16**	**0-1**
NEIC	IV 20 13 11 43.3	44.74N	6.62E	5			**¶97iv3313**
LDG	IV 20 13 11 43.9	44.8N	6.6E		1.9L		
NEIC	$M_{L2.2}$(GEN)						
ISC	**IV 20 23 16 28**±1.7	**43.2N**±.20	**0.02E**±.094	**0**		**6**	**0-2**
LDG	IV 20 23 16 29.6	43.0N	0.0E		1.9L		**¶97iv3375**
ISC	Poorly determined						
ISC	**IV 21 01 26 41.6**±.92	**48.13N**±.094	**2.68W**±.080	**10**		**7**	**0-2**
LDG	IV 21 01 26 42.6	48.2N	2.8W		2.2L		**¶97iv3383**
NEIC	IV 21 01 26 43.2	48.21N	2.86W	10			
NEIC	Single network solution.						
ISC	**IV 22 20 04 47**±2.5	**47.4N**±.11	**3.2W**±.26	**0**		**9**	**1-5**
LDG	IV 22 20 04 50.2	47.5N	3.3W		2.6L		**¶97iv3823**
NEIC	IV 22 20 04 50.9	47.51N	3.05W	10			
NEIC	Single network solution.						
ISC	**IV 26 15 16 02**±1.0	**45.43N**±.068	**6.00E**±.099	**10**		**9**	**1-2**
LDG	IV 26 15 16 02.8	45.4N	6.0E		1.9L		**¶97iv4570**
NEIC	IV 26 15 16 02.8	45.39N	6.06E	10			
NEIC	Single network solution.						
ISC	**IV 27 20 14 44.3**±.64	**44.99N**±.035	**6.72E**±.080	**9**±8.3		**17**	**0-2**
NEIC	IV 27 20 14 44.8	45.01N	6.76E	5			**¶97iv4787**
LDG	IV 27 20 14 45.4	45.0N	6.7E		1.9L		
NEIC	$M_{L2.1}$(GEN)						
ISC	**IV 28 20 46 50.8**±.96	**45.44N**±.066	**5.30E**±.092	**5**		**7**	**1-2**
NEIC	IV 28 20 46 51.8	45.37N	5.36E	5			**¶97iv4978**
LDG	IV 28 20 46 52.0	45.4N	5.3E		1.6L		
NEIC	Single network solution.						
ISC	**IV 28 21 00 29**±1.7	**43.2N**±.20	**0.00E**±.093	**0**		**6**	**0-2**
LDG	IV 28 21 00 30.0	43.1N	0.0E		1.9L		**¶97iv4979**
ISC	Poorly determined						
ISC	**IV 30 10 01 35**±1.2	**45.20N**±.051	**6.8E**±.16	**5**		**7**	**0-2**
NEIC	IV 30 10 01 35.0	45.21N	6.65E	5			**¶97iv5196**
LDG	IV 30 10 01 35.7	45.2N	6.9E		1.9L		
NEIC	Poor solution.						
ISC	**V 01 02 20 26**±1.5	**45.70N**±.084	**6.1E**±.17	**10**		**6**	**0-1**
NEIC	V 01 02 20 26.8	45.69N	6.17E	10			**¶97v0015**
LDG	V 01 02 20 27.1	45.7N	6.2E		1.6L		
ISC	Poorly determined						
NEIC	Poor solution.						
ISC	**V 01 02 36 23.3**±.96	**50.32N**±.081	**1.24E**±.081	**5**		**28**	**1-7**
NEIC	V 01 02 36 23.3	50.33N	1.25E	5			**¶97v0016**
LDG	V 01 02 36 24.8	50.5N	1.2E		3.0L		
ISC	**V 01 03 22 48**±1.4	**49.5N**±.13	**0.6E**±.11	**5**		**13**	**1-4**
NEIC	V 01 03 22 45.9	49.77N	0.67E	5			**¶97v0022**
LDG	V 01 03 22 51.3	49.4N	0.6E		2.1L		
NEIC	Poor solution.						
ISC	**V 01 09 54 38**±1.1	**46.15N**±.077	**2.8E**±.12	**5**		**7**	**0-1**
NEIC	V 01 09 54 39.1	46.18N	2.80E	5			**¶97v0078**
LDG	V 01 09 54 39.7	46.2N	2.8E		2.0L		
NEIC	Single network solution.						
ISC	**V 01 17 01 48**±3.8	**46.3N**±.19	**2.2E**±.46	**0**		**6**	**0-1**
LDG	V 01 17 01 46.8	46.2N	2.2E		1.3L		**¶97v0128**
ISC	**V 04 02 37 07.9**±.57	**44.13N**±.036	**6.93E**±.061	**8**±10		**18**	**0-2**
NEIC	V 04 02 37 08.2	44.12N	6.96E	5			**¶97v0546**
LDG	V 04 02 37 08.8	44.1N	6.9E		1.5L		
NEIC	$M_{L2.0}$(GEN)						
ISC	**V 06 01 43 44.9**±.79	**46.53N**±.062	**4.46E**±.073	**8**±16		**10**	**0-2**
NEIC	V 06 01 43 46.4	46.65N	4.42E	5			**¶97v0879**
LDG	V 06 01 43 46.9	46.6N	4.4E		2.0L		
NEIC	Single network solution.						
ISC	**V 08 03 18 13**±1.1	**45.46N**±.072	**6.6E**±.12	**5**		**6**	**0-2**
NEIC	V 08 03 18 12.8	45.44N	6.60E	5			**¶97v1172**
LDG	V 08 03 18 13.2	45.4N	6.7E		1.6L		
NEIC	Single network solution.						
ISC	**V 09 01 53 06.2**±.57	**45.50N**±.043	**4.89E**±.057	**5**		**15**	**1-3**
LDG	V 09 01 53 08.0	45.5N	4.9E		2.0L		**¶97v1343**
NEIC	V 09 01 53 08.7	45.47N	5.02E	5			
NEIC	Single network solution.						
ISC	**V 09 16 30 24.8**±.75	**46.71N**±.058	**1.79E**±.071	**10**		**12**	**1-3**
LDG	V 09 16 30 26.4	46.7N	1.8E		2.3L		**¶97v1451**
NEIC	V 09 16 30 26.7	46.82N	1.85E	10			
NEIC	Single network solution.						
ISC	**V 12 15 36 45.2**±.80	**45.45N**±.046	**2.6E**±.12	**5**		**10**	**1-2**
NEIC	V 12 15 36 46.7	45.45N	2.32E	5			**¶97v1997**
LDG	V 12 15 36 46.8	45.5N	2.4E		2.1L		
NEIC	Single network solution.						
ISC	**V 12 16 18 45.6**±.68	**45.37N**±.044	**2.44E**±.082	**5**		**12**	**1-3**
LDG	V 12 16 18 47.8	45.3N	2.4E		2.6L		**¶97v2005**
NEIC	V 12 16 18 48.5	45.37N	2.38E	5			
NEIC	Single network solution.						
ISC	**V 15 00 24 04.3**±.17	**45.22N**±.015	**6.62E**±.024	**10**	**3.6b**	**157**	**0-79**
SZGRF	V 15 00 24 03.4	45.1N	6.7E	10	3.9L		**¶97v2529**
NEIC	V 15 00 24 03.7	45.22N	6.62E	5			
STR	V 15 00 24 05.4	45.23N	6.62E	3	3.9L		
EIDC	V 15 00 24 05.4	45.3N	6.4E	0	4.1L,3.5b		
ROM	V 15 00 24 05.7	45.0N	6.6E	5	3.5D		
LDG	V 15 00 24 06.0	45.2N	6.6E		3.8L		
NEIC	ML 3.7 (VIE), 3.6 (GEN), 3.6 (FUR).						
ISC	**V 15 00 35 45**±1.4	**45.23N**±.074	**6.7E**±.49	**0**		**5**	**0-1**
LDG	V 15 00 35 45.4	45.2N	6.7E		1.4L		**¶97v2530**
ISC	Poorly determined						
ISC	**V 15 03 21 12.7**±.99	**45.88N**±.060	**6.5E**±.13	**5**		**11**	**0-2**
NEIC	V 15 03 21 11.9	45.97N	6.77E	5			**¶97v2553**
LDG	V 15 03 21 13.5	45.9N	6.6E		2.0L		
NEIC	Single network solution.						
LDG	**V 15 03 30 09.3**	**45.2N**	**6.7E**				**¶97v2554**

ISC	**V**	**15 16 00 34.0**±.48	**43.18N**±.039	**0.46E**±.035	**1**±7.0		**38**	**0-6**
MDD	V	15 16 00 35.6	43.12N	0.42E	2	2.9		**¶97v2644**
LDG	V	15 16 00 36.2	43.1N	0.4E		3.2L		
ISC	**V**	**17 00 15 54**±2.0	**44.51N**±.079	**6.9E**±.22	**11**±8.8		**11**	**0-1**
NEIC	V	17 00 15 53.7	44.49N	6.85E	5			**¶97v2853**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**V**	**17 11 51 23.8**±.65	**45.98N**±.049	**0.76W**±.088	**10**		**19**	**1-3**
NEIC	V	17 11 51 24.3	46.02N	0.71W	10			**¶97v2924**
LDG	V	17 11 51 26.0	46.0N	0.6W		2.5L		
NEIC	Single network solution.							
ISC	**V**	**17 19 34 55**±8.1	**44.5N**±.11	**6.8E**±.74	**10**±16		**7**	**0-1**
NEIC	V	17 19 34 52.9	44.48N	6.67E	5			**¶97v2978**
NEIC	M_L1.9(GEN), Poor solution.							
ISC	**V**	**18 01 35 39.5**±.51	**45.24N**±.038	**0.31W**±.070	**5**		**21**	**1-4**
NEIC	V	18 01 35 40.0	45.29N	0.32W	5			**¶97v3012**
LDG	V	18 01 35 41.6	45.3N	0.3W		2.8L		
MDD	V	18 01 35 42.2	45.28N	0.34W	9	2.8		
NEIC	Single network solution.							
ISC	**V**	**18 06 43 31**±5.1	**49.2N**±.36	**2.0W**±.16	**9**±18		**7**	**1-3**
LDG	V	18 06 43 33.0	49.2N	2.0W		2.4L		**¶97v3037**
NEIC	V	18 06 43 34.0	49.01N	1.99W	5			
NEIC	Single network solution.							
ISC	**V**	**20 21 54 46.5**±.81	**45.30N**±.045	**0.4W**±.11	**10**		**18**	**1-4**
NEIC	V	20 21 54 48.3	45.25N	0.30W	10			**¶97v3464**
NEIC	M_L2.2(LDG), Single network solution.							
ISC	**V**	**20 22 04 50**±1.9	**45.25N**±.078	**0.3W**±.14	**2**±15		**19**	**1-4**
NEIC	V	20 22 04 51.5	45.26N	0.28W	10			**¶97v3465**
NEIC	M_L2.5(LDG), Single network solution.							
ISC	**V**	**28 19 02 07.0**±.72	**44.80N**±.045	**6.61E**±.086	**0**		**9**	**0-1**
LDG	V	28 19 02 07.9	44.8N	6.7E		1.9L		**¶97v4762**
ISC	**V**	**30 03 43 09.9**±.59	**44.82N**±.038	**6.66E**±.089	**10**		**14**	**0-3**
LDG	V	30 03 43 10.7	44.8N	6.6E		2.3L		**¶97v4976**
ROM	V	30 03 43 10.9	44.8N	6.7E	10	2.3D		
LDG	**V**	**31 01 28 30.4**	**44.2N**	**6.8E**		**2.5L**		**¶97v5132**
ISC	**VI**	**01 09 25 53.6**±.75	**45.00N**±.053	**6.63E**±.096	**0**		**10**	**0-3**
LDG	VI	01 09 25 55.2	45.0N	6.6E		2.3L		**¶97vi0051**
ISC	**VI**	**03 21 17 23.5**±.69	**44.56N**±.041	**6.84E**±.099	**0**		**9**	**0-1**
LDG	VI	03 21 17 24.3	44.6N	6.8E		1.9L		**¶97vi0515**
ISC	**VI**	**05 20 39 58**±1.4	**45.9N**±.10	**3.0E**±.26	**5**		**7**	**1-1**
NEIC	VI	05 20 39 58.9	45.96N	3.00E	5			**¶97vi0828**
LDG	VI	05 20 39 59.7	46.0N	2.9E		1.6L		
NEIC	Single network solution.							
ISC	**VI**	**06 22 39 48.6**±.56	**44.98N**±.034	**6.63E**±.090	**4**±8.8		**20**	**0-3**
NEIC	VI	06 22 39 49.1	45.03N	6.64E	5			**¶97vi1006**
LDG	VI	06 22 39 50.1	45.0N	6.6E		2.3L		
NEIC	Single network solution.							
ISC	**VI**	**07 07 50 53**±1.3	**46.7N**±.20	**1.25E**±.094	**10**		**8**	**1-2**
LDG	VI	07 07 50 54.2	46.6N	1.2E		2.0L		**¶97vi1067**
NEIC	VI	07 07 50 54.4	46.47N	1.19E	10			
NEIC	Single network solution.							
ISC	**VI**	**07 10 21 35.3**±.70	**45.36N**±.043	**6.59E**±.078	**8**±17		**12**	**0-3**
LDG	VI	07 10 21 36.4	45.4N	6.7E		2.3L		**¶97vi1080**
NEIC	VI	07 10 21 36.7	45.38N	6.67E	5			
NEIC	Single network solution.							
ISC	**VI**	**07 21 35 55.9**±.60	**47.45N**±.047	**0.83W**±.064	**5**		**15**	**1-3**
LDG	VI	07 21 35 58.6	47.5N	0.9W		2.3L		**¶97vi1147**
NEIC	VI	07 21 36 02.1	47.73N	1.03W	5			
NEIC	Single network solution.							
ISC	**VI**	**08 01 05 04.5**±.88	**45.79N**±.050	**1.19W**±.091	**24**±10		**23**	**0-4**
NEIC	VI	08 01 05 03.1	45.80N	1.16W	10			**¶97vi1160**
LDG	VI	08 01 05 04.5	45.8N	1.2W		3.0L		
NEIC	Single network solution.							
ISC	**VI**	**08 13 06 19.6**±.73	**46.09N**±.050	**2.84E**±.087	**5**		**10**	**0-3**
NEIC	VI	08 13 06 20.9	46.16N	2.75E	5			**¶97vi1243**
LDG	VI	08 13 06 21.2	46.1N	2.8E		2.3L		
NEIC	Single network solution.							
ISC	**VI**	**08 23 51 03**±1.1	**46.13N**±.086	**2.8E**±.13	**5**		**9**	**0-2**
NEIC	VI	08 23 51 04.3	46.17N	2.80E	5			**¶97vi1300**
LDG	VI	08 23 51 04.6	46.1N	2.8E		1.8L		
NEIC	Single network solution.							
ISC	**VI**	**09 09 40 10.7**±.82	**48.2N**±.11	**2.36W**±.068	**0**		**7**	**0-2**
LDG	VI	09 09 40 11.4	48.3N	2.5W		2.5L		**¶97vi1373**
ISC	**VI**	**09 09 40 18**±1.0	**48.4N**±.17	**2.4W**±.11	**0**		**7**	**0-2**
LDG	VI	09 09 40 18.6	48.3N	2.5W		2.6L		**¶97vi1374**
ISC	**VI**	**09 22 21 36.5**±.64	**46.03N**±.039	**0.86W**±.078	**10**		**15**	**1-3**
LDG	VI	09 22 21 39.8	46.0N	0.8W		2.3L		**¶97vi1446**
NEIC	VI	09 22 21 43.3	46.03N	0.25W	10			
NEIC	Single network solution.							
ISC	**VI**	**11 09 13 13**±1.5	**48.3N**±.14	**1.8E**±.14	**10**		**10**	**1-2**
LDG	VI	11 09 13 15.6	48.3N	1.7E		2.5L		**¶97vi1654**
NEIC	VI	11 09 13 17.1	48.30N	1.67E	10			
NEIC	Single network solution.							
ISC	**VI**	**11 15 06 05.2**±.50	**45.18N**±.035	**6.30E**±.055	**5**		**19**	**0-3**
NEIC	VI	11 15 06 06.5	45.21N	6.31E	5			**¶97vi1705**
LDG	VI	11 15 06 06.6	45.2N	6.3E		2.5L		
NEIC	Single network solution.							
LDG	**VI**	**11 17 37 09.7**	**48.2N**	**4.5W**		**2.2L**		**¶97vi1728**
ISC	**VI**	**11 21 46 37.5**±.50	**44.44N**±.041	**6.52E**±.060	**20**±8.4		**24**	**0-1**
NEIC	VI	11 21 46 36.8	44.44N	6.48E	5			**¶97vi1758**
LDG	VI	11 21 46 37.0	44.4N	6.4E		2.1L		
NEIC	Single network solution.							
ISC	**VI**	**11 22 16 09**±1.3	**44.71N**±.062	**6.7E**±.12	**4**±43		**8**	**0-1**
NEIC	VI	11 22 16 09.8	44.76N	6.71E	5			**¶97vi1761**
LDG	VI	11 22 16 09.9	44.8N	6.7E		1.6L		
NEIC	Single network solution.							
ISC	**VI**	**12 10 11 22**±1.0	**45.05N**±.075	**6.5E**±.11	**5**		**7**	**0-1**
NEIC	VI	12 10 11 22.3	45.05N	6.51E	5			**¶97vi1825**
LDG	VI	12 10 11 22.8	45.1N	6.5E		1.8L		
NEIC	Single network solution.							
ISC	**VI**	**13 00 13 18.8**±.60	**43.15N**±.042	**0.25E**±.048	**11**±6.6		**24**	**0-4**
LDG	VI	13 00 13 19.9	43.0N	0.2E		2.9L		**¶97vi1908**
MDD	VI	13 00 13 20.0	43.12N	0.23E	4	3.0		
NEIC	VI	13 00 13 20.6	43.02N	0.18E	10			
NEIC	mbLg3.1(MDD)							
NEIC	Felt I=I MM at Cauterets.							
ISC	**VI**	**13 19 48 02.2**±.66	**43.09N**±.052	**0.17E**±.065	**10**		**11**	**0-2**
NEIC	VI	13 19 48 02.5	42.66N	0.09E	10			**¶97vi2035**
LDG	VI	13 19 48 03.5	43.0N	0.2E		2.3L		
MDD	VI	13 19 48 04.4	42.98N	0.13E	9	2.4		
NEIC	Single network solution.							
ISC	**VI**	**14 15 14 59.6**±.67	**45.92N**±.043	**6.07E**±.079	**5**		**10**	**1-2**
NEIC	VI	14 15 15 01.3	45.88N	6.21E	5			**¶97vi2139**
LDG	VI	14 15 15 01.5	45.9N	6.1E		2.2L		
NEIC	Single network solution.							
ISC	**VI**	**16 10 04 44.2**±.96	**45.86N**±.056	**2.7E**±.11	**5**		**7**	**1-2**
LDG	VI	16 10 04 45.4	45.9N	2.7E		2.2L		**¶97vi2441**
NEIC	VI	16 10 04 45.5	45.89N	2.58E	5			
NEIC	Single network solution.							
LDG	**VI**	**17 23 55 05.9**	**47.2N**	**3.2W**		**1.9L**		**¶97vi2705**
ISC	**VI**	**19 04 34 53**±1.4	**44.76N**±.055	**6.5E**±.13	**12**±34		**9**	**0-1**
NEIC	VI	19 04 34 54.1	44.80N	6.55E	5			**¶97vi2871**
LDG	VI	19 04 34 54.6	44.8N	6.6E		1.8L		
NEIC	Single network solution.							
ISC	**VI**	**20 02 29 55.7**±.54	**45.31N**±.035	**6.69E**±.071	**12**±6.3		**24**	**0-2**
LDG	VI	20 02 29 57.2	45.3N	6.7E		2.3L		**¶97vi2992**
NEIC	VI	20 02 29 57.3	45.36N	6.69E	5			
NEIC	Single network solution.							
ISC	**VI**	**20 21 45 31.8**±.76	**46.56N**±.050	**1.65W**±.093	**5**		**17**	**1-5**
NEIC	VI	20 21 45 31.4	46.50N	1.77W	5			**¶97vi3115**
LDG	VI	20 21 45 34.0	46.5N	1.7W		2.7L		
ISC	**VI**	**22 12 22 37.3**±.84	**48.01N**±.077	**6.73E**±.085	**0**		**10**	**0-3**
LDG	VI	22 12 22 38.9	48.0N	6.9E		2.2L		**¶97vi3384**
ISC	**VI**	**22 16 50 15.3**±.50	**49.13N**±.052	**2.14W**±.072	**20**±6.0		**35**	**0-7**
NEIC	VI	22 16 50 15.0	49.08N	2.02W	10			**¶97vi3413**
BGS	VI	22 16 50 16.3	49.25N	2.28W	11	2.2L		
LDG	VI	22 16 50 16.4	49.2N	2.3W		3.4L		
STR	VI	22 16 50 18.3	49.23N	2.11W	13	3.0L		
NEIC	Single network solution.							
BGS	Felt I=IV MSK, Jersey, Channel Islands							
ISC	**VI**	**23 08 09 22**±1.1	**43.05N**±.091	**0.87E**±.090	**13**		**9**	**0-4**
MDD	VI	23 08 09 23.6	42.92N	0.83E	13	3.0		**¶97vi3497**
LDG	VI	23 08 09 24.7	43.0N	0.9E		2.7L		
ISC	**VI**	**23 09 40 04.4**±.60	**46.52N**±.039	**3.14E**±.071	**9**±7.6		**20**	**0-3**
NEIC	VI	23 09 40 04.4	46.48N	3.13E	5			**¶97vi3510**
LDG	VI	23 09 40 05.7	46.5N	3.1E		2.5L		
NEIC	Single network solution.							
ISC	**VI**	**24 14 54 27.2**±.63	**44.57N**±.038	**6.80E**±.076	**10**±8.8		**16**	**0-1**
NEIC	VI	24 14 54 27.6	44.62N	6.85E	10			**¶97vi3734**
LDG	VI	24 14 54 27.9	44.6N	6.9E		2.2L		
NEIC	Single network solution.							
ISC	**VI**	**25 11 38 21**±1.3	**45.3N**±.10	**5.6E**±.14	**5**		**4**	**0-1**
NEIC	VI	25 11 38 21.3	45.31N	5.66E	5			**¶97vi3928**
LDG	VI	25 11 38 22.1	45.3N	5.7E		2.1L		
ISC	Poorly determined							
NEIC	Poor solution.							
LDG	**VI**	**25 22 45 08.1**	**48.0N**	**3.4W**		**1.7L**		**¶97vi4039**
ISC	**VI**	**26 03 33 24.1**±.89	**47.19N**±.054	**6.5E**±.10	**5**		**10**	**1-3**
LDG	VI	26 03 33 25.5	47.2N	6.6E		2.0L		**¶97vi4078**
NEIC	VI	26 03 33 25.7	47.21N	6.70E	5			
NEIC	Single network solution.							
ISC	**VI**	**26 15 14 35**±6.6	**44.1N**±.38	**4.5E**±.85	**10**		**5**	**1-2**
NEIC	VI	26 15 14 36.2	44.06N	4.68E	10			**¶97vi4163**
LDG	VI	26 15 14 36.6	44.0N	4.6E		2.4L		
NEIC	Poor solution.							

(539) Bay of Biscay.

ISC	**V**	**01 05 27 28**±6.6	**46.9N**±.39	**2.8W**±.57	**5**		**5**	**1-2**
LDG	V	01 05 27 29.8	46.9N	2.9W		1.9L		**¶97v0037**
NEIC	V	01 05 27 31.5	47.05N	2.86W	5			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**V**	**08 13 26 10**±10	**46.8N**±.48	**3.0W**±.52	**1**±45		**6**	**1-3**
LDG	V	08 13 26 12.0	46.8N	3.0W		2.2L		**¶97v1248**
ISC	Poorly determined							

(540) The Netherlands.

SZGRF	**II**	**03 21 00 40.4**	**52.25N**	**5.80E**	**10**	**2.2L**		**¶97ii0426**
ISC	**II**	**08 21 47 27**±1.3	**51.13N**±.079	**5.82E**±.096	**26**±12		**24**	**0-7**
UCC	II	08 21 47 28.1	51.13N	6.00E	15	2.0L		**¶97ii1213**
LDG	II	08 21 47 31.5	50.9N	5.9E	15	2.7L		
ISC	**II**	**12 18 49 16**±1.0	**51.13N**±.059	**5.88E**±.097	**10**±7.5		**25**	**0-7**
NEIC	II	12 18 49 14.6	51.32N	5.91E	10			**¶97ii1805**
UCC	II	12 18 49 19.3	51.14N	5.98E	15	2.4L		
LDG	II	12 18 49 19.5	51.1N	5.9E	2	3.0L		
NEIC	M_L2.6(DBN), Less reliable solution.							
ISC	**II**	**19 21 53 48**±1.6	**53.00N**±.054	**6.7E**±.12	**21**±17		**32**	**0-13**
NEIC	II	19 21 53 46.0	52.98N	6.73E	5			**¶97ii2841**
EIDC	II	19 21 53 48.6	52.9N	7.0E	0	3.6L		
LDG	II	19 21 53 49.7	52.9N	7.2E	2	3.3L		
SZGRF	II	19 21 53 50.5	52.90N	6.77E	10	3.2L		
ISC	Felt I=V−IV in Roswinkel area, slight damage: cracks in walls (after HGN)							
NEIC	$M_{L3.0}$(UCC).							
ISC	**VI**	**24 13 50 36**±1.1	**51.09N**±.080	**6.0E**±.11	**31**±11		**23**	**0-5**
NEIC	VI	24 13 50 34.3	51.14N	5.66E	10			**¶97vi3718**
UCC	VI	24 13 50 37.2	51.11N	5.98E	10	2.1L		
SZGRF	VI	24 13 50 37.5	51.1N	6.1E	12	2.4L		
LDG	VI	24 13 50 39.0	50.9N	6.0E		2.8L		
NEIC	$M_{L2.2}$(DBN).							
NEIC	ML 2.1 (UCC).							

(541) Belgium.

UCC	**V**	**24 01 31 08.4**	**50.42N**	**4.48E**	**4**	**1.5L**		**¶97v4033**
LDG	V	24 01 31 09.2	50.4N	4.5E		2.0L		

(542) Denmark.

ISC	**II**	**05 10 28 17**±1.0	**57.87N**±.089	**10.7E**±.18	**0**		**8**	**2-13**
								¶97ii0675
ISC	**III**	**22 01 31 23**±3.1	**57.0N**±.11	**9.0E**±.79	**0**		**4**	**4-15**
EIDC	III	22 01 31 25.0	57.1N	8.7E	0	3.2L		**¶97iii4176**
ISC	Poorly determined							
ISC	**III**	**29 05 39 57**±4.1	**57.8N**±.37	**8.6E**±.16	**15**		**12**	**2-14**
HEL	III	29 05 39 58	57.94N	8.58E		2.7L		**¶97iii5541**
BER	III	29 05 40 00.5	57.8N	8.5E	15	2.4L,2.6D		
BER	**IV**	**25 18 45 06.6**	**57.9N**	**9.6E**	**12**	**2.7D**		**¶97iv4396**
EIDC	IV	25 18 45 00.7	58.0N	11.1E	0	3.4L		
ISC	**IV**	**26 10 17 55.7**±.92	**56.41N**±.074	**11.1E**±.16	**0**		**7**	**1-15**
EIDC	IV	26 10 17 54.6	56.2N	10.9E	0	3.1L		**¶97iv4522**

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC IV	**26 19 06 41.4**	**56.3N**	**11.0E**	**0**	**3.0L**		**1-15**
							¶97iv4596
ISC IV	**28 12 00 12**±1.0	**55.77N**±.091	**11.4E**±.20	**61**±18		**8**	**1-16**
BER IV	28 12 00 11.7	55.8N	11.3E	0			¶97iv4911
ISC V	**24 13 47 06**±1.2	**57.7N**±.11	**8.6E**±.11	**0**		**20**	**2-14**
EIDC V	24 13 47 08.6	57.9N	8.3E	0	3.0L		¶97v4118
ISC VI	**04 08 39 52**±4.6	**57.7N**±.43	**9.4E**±.18	**31**		**6**	**2-9**
BER VI	04 08 39 56.1	57.9N	9.1E	31	2.4D		¶97vi0586

(543) Germany.

ISC I	**01 19 56 42.2**±.48	**47.28N**±.026	**9.43E**±.033	**4**±4.6		**67**	**1-5**
SZGRF I	01 19 56 41.4	47.12N	9.45E	10	2.3L		¶97i0110
ZUR I	01 19 56 42.7	47.21N	9.48E	1	2.6L		
NEIC I	01 19 56 42.8	47.22N	9.41E	10			
LEDBW I	01 19 56 43.1	47.20N	9.48E	10	2.7L		
ROM I	01 19 56 44.0	47.4N	9.0E	10	2.9D		
LDG I	01 19 56 44.5	47.3N	9.4E	2	2.8L		
STR I	01 19 56 45.1	47.25N	9.33E	9	3.0L		
NEIC $M_{L3.0}$(VIE).							
BUG I	**03 03 56 12.9**	**51.5N**	**6.9E**	**1**	**1.1L**		**¶97i0313**
BUG Mining induced event							
ISC I	**07 18 17 36.9**±.59	**48.68N**±.049	**8.68E**±.080	**22**		**20**	**0-2**
LEDBW I	07 18 17 36.3	48.71N	8.69E	22	2.2L		¶97i0961
SZGRF I	07 18 17 37.5	48.68N	8.73E	5	1.8L		
SZGRF I	**08 22 53 33.9**	**50.69N**	**12.40E**	**5**	**0.9L**		**¶97i1131**
ISC I	**15 05 30 27**±1.4	**50.2N**±.12	**12.5E**±.16	**10**		**10**	**1-1**
SZGRF I	15 05 30 29.0	50.24N	12.46E	10	1.0L		¶97i2103
ISC Poorly determined							
ISC I	**15 05 30 55.8**±.74	**50.22N**±.061	**12.45E**±.085	**3**±19		**14**	**1-1**
SZGRF I	15 05 30 57.1	50.24N	12.47E	10	1.8L		¶97i2104
ISC I	**15 05 59 54**±1.2	**50.21N**±.087	**12.5E**±.14	**10**		**8**	**1-2**
SZGRF I	15 05 59 55.5	50.25N	12.46E	10	1.6L		¶97i2106
ISC Poorly determined							
ISC I	**15 06 03 08**±2.9	**50.3N**±.13	**12.5E**±.27	**10**		**7**	**1-1**
SZGRF I	15 06 03 09.4	50.27N	12.47E	10	1.4L		¶97i2109
ISC Poorly determined							
ISC I	**15 08 00 18**±1.1	**50.23N**±.079	**12.5E**±.12	**10**		**9**	**1-1**
SZGRF I	15 08 00 19.7	50.24N	12.44E	10	1.6L		¶97i2121
ISC I	**15 12 19 17**±1.1	**50.24N**±.079	**12.5E**±.12	**10**		**8**	**1-1**
SZGRF I	15 12 19 18.3	50.26N	12.45E	10	1.4L		¶97i2153
ISC I	**15 12 51 20**±1.4	**50.2N**±.12	**12.5E**±.16	**10**		**8**	**1-1**
SZGRF I	15 12 51 21.5	50.25N	12.44E	10	1.2L		¶97i2158
ISC Poorly determined							
ISC I	**15 18 10 40.6**±.97	**50.25N**±.073	**12.5E**±.10	**10**		**10**	**1-1**
SZGRF I	15 18 10 42.1	50.24N	12.44E	10	1.4L		¶97i2189
SZGRF I	**15 18 10 57.5**	**50.23N**	**12.47E**	**10**	**1.7L**		**¶97i2190**
ISC I	**16 15 11 18.8**±.80	**50.24N**±.063	**12.43E**±.084	**10**		**9**	**1-1**
SZGRF I	16 15 11 20.5	50.24N	12.42E	10	1.9L		¶97i2328
ISC I	**17 05 18 34.0**±.71	**50.24N**±.059	**12.43E**±.082	**3**±19		**12**	**1-1**
SZGRF I	17 05 18 35.4	50.24N	12.43E	10	1.7L		¶97i2404
ISC I	**17 05 19 02**±1.5	**50.2N**±.13	**12.5E**±.16	**10**		**9**	**1-1**
SZGRF I	17 05 19 03.4	50.25N	12.44E	10	1.6L		¶97i2405
ISC Poorly determined							
BUG I	**17 22 20 22.4**	**51.6N**	**7.0E**	**1**	**1.0L**		**¶97i2545**
BUG Mining induced event							
ISC I	**17 22 57 36.9**±.63	**50.21N**±.036	**12.42E**±.056	**7**±5.9		**36**	**0-5**
NEIC I	17 22 57 37.5	50.18N	12.38E	10			¶97i2553
SZGRF I	17 22 57 38.4	50.23N	12.43E	10	2.8L		
STR I	17 22 57 43.0	50.13N	12.04E	10	3.3L		
NEIC $M_{L3.0}$(FUR).							
ISC I	**17 23 25 38.5**±.84	**50.24N**±.063	**12.5E**±.11	**3**±17		**13**	**1-2**
NEIC I	17 23 25 39.1	50.23N	12.40E	10			¶97i2561
SZGRF I	17 23 25 39.8	50.25N	12.43E	10	2.0L		
NEIC Less reliable solution.							
ISC I	**18 02 46 46.0**±.92	**51.53N**±.092	**7.84E**±.080	**1**		**9**	**0-3**
SZGRF I	18 02 46 47.9	51.60N	7.79E	1	2.2L		¶97i2586
ISC I	**18 05 34 13.2**±.68	**50.26N**±.050	**12.43E**±.082	**10**		**12**	**0-2**
NEIC I	18 05 34 14.7	50.23N	12.51E	10			¶97i2606
SZGRF I	18 05 34 14.7	50.24N	12.45E	10	1.8L		
ISC I	**18 05 51 02.3**±.94	**50.23N**±.067	**12.47E**±.091	**10**		**10**	**1-1**
SZGRF I	18 05 51 03.8	50.23N	12.44E	10	1.3L		¶97i2608
ISC I	**18 06 47 56**±1.1	**50.23N**±.073	**12.5E**±.11	**10**		**9**	**1-1**
SZGRF I	18 06 47 57.7	50.24N	12.44E	10	1.3L		¶97i2619
ISC I	**18 09 58 06.5**±.74	**50.26N**±.062	**12.42E**±.088	**12**±17		**11**	**1-1**
SZGRF I	18 09 58 07.9	50.24N	12.44E	10	1.6L		¶97i2643
ISC I	**20 19 01 02**±1.1	**51.61N**±.097	**7.8E**±.10	**1**		**9**	**0-3**
SZGRF I	20 19 01 04.0	51.62N	7.78E	1	2.0L		¶97i3065
SZGRF I	**21 21 38 29.9**	**50.22N**	**8.20E**	**5**	**1.3L**		**¶97i3234**
ISC I	**23 18 25 47**±1.8	**51.5N**±.15	**7.7E**±.14	**0**		**7**	**0-2**
BUG I	23 18 25 47.3	51.6N	7.6E	1	1.5L		¶97i3537
SZGRF I	23 18 25 49.1	51.63N	7.63E	1	1.8L		
ISC Poorly determined							
BUG Mining induced event							
SZGRF I	**26 13 45 57.3**	**50.48N**	**12.21E**	**10**	**0.5L**		**¶97i3950**
ISC I	**26 14 45 56**±1.0	**50.23N**±.074	**12.5E**±.11	**10**		**10**	**1-1**
SZGRF I	26 14 45 58.2	50.24N	12.44E	10	1.5L		¶97i3953
ISC I	**27 00 32 02.3**±.64	**50.21N**±.049	**12.53E**±.065	**10**		**16**	**0-1**
NEIC I	27 00 32 03.5	50.24N	12.45E	10			¶97i4022
SZGRF I	27 00 32 04.1	50.24N	12.45E	10	1.8L		
NEIC Less reliable solution.							
EIDC I	**31 11 50 24.2**	**51.7N**	**14.9E**	**0**	**3.1L**		**3-12**
							¶97i4621
SZGRF II	**01 11 17 43.9**	**51.68N**	**7.57E**	**1**	**1.8L**		**¶97ii0065**
SZGRF Probably mining induced							
ISC II	**06 10 10 45**±1.9	**51.56N**±.089	**7.2E**±.25	**0**		**4**	**0-1**
BUG II	06 10 10 43.6	51.6N	7.2E	1	1.4L		¶97ii0821
ISC Poorly determined							
BUG Mining induced event							
SZGRF II	**07 11 28 02.2**	**52.26N**	**11.15E**	**1**	**1.6L**		**¶97ii0983**
BUG II	**11 06 11 04.6**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97ii1591**
BUG Mining induced event							
SZGRF II	**13 04 05 54.4**	**51.68N**	**7.23E**	**1**	**1.4L**		**¶97ii1871**
BUG II	13 04 06 54.5	51.6N	7.2E	1	0.9L		
BUG Mining induced event							
SZGRF II	**13 07 58 02.1**	**48.54N**	**9.47E**	**10**	**1.7L**		**¶97ii1886**
BUG II	**15 18 07 59.7**	**51.6N**	**7.1E**	**1**	**1.2L**		**¶97ii2275**
BUG Mining induced event							
ISC II	**16 16 40 11.6**±.91	**49.31N**±.050	**6.8E**±.11	**0**		**16**	**0-3**
LEDBW II	16 16 40 12.9	49.34N	6.81E	1	2.4L		**¶97ii2392**
SZGRF II	16 16 40 13.4	49.33N	6.77E	1	2.1L		
LEDBW Mining induced event							
SZGRF II	**18 08 30 45.9**	**51.87N**	**11.67E**	**1**	**2.1L**		**¶97ii2618**
SZGRF II	**20 23 14 58.7**	**51.69N**	**7.25E**	**1**	**1.5L**		**¶97ii2989**
BUG II	20 23 14 59.0	51.6N	7.1E	1	1.0L		
BUG Mining induced event							
ISC II	**22 20 49 26**±1.7	**51.6N**±.15	**7.9E**±.12	**0**		**8**	**0-4**
BUG II	22 20 49 25.8	51.7N	7.9E	1	1.6L		¶97ii3247
SZGRF II	22 20 49 28.4	51.72N	7.82E	1	1.8L		
BUG Mining induced event							
SZGRF II	**24 09 08 29.9**	**51.81N**	**11.74E**	**1**	**1.9L**		**¶97ii3452**
SZGRF II	**24 09 08 49.9**	**51.86N**	**11.66E**	**1**	**1.9L**		**¶97ii3453**
SZGRF II	**24 14 45 46.6**	**48.72N**	**8.94E**	**10**	**1.8L**		**¶97ii3493**
ISC II	**28 02 26 22**±7.7	**51.9N**±.43	**7.3E**±.26	**0**		**8**	**1-2**
BUG II	28 02 26 29.3	51.6N	7.1E	1	1.3L		¶97ii4103
SZGRF II	28 02 26 31.8	51.55N	7.21E	1	1.5L		
BUG Mining induced event							
ISC III	**01 12 28 04**±9.1	**51.7N**±.58	**6.7E**±.32	**0**		**7**	**0-5**
BUG III	01 12 28 07.9	51.5N	6.9E	1	1.6L		¶97iii0107
SZGRF III	01 12 28 09.6	51.51N	6.92E	1	2.3L		
BUG Mining induced event							
ISC III	**02 01 43 09.3**±.93	**49.38N**±.064	**6.8E**±.10	**2**		**9**	**1-3**
LDG III	02 01 43 10.0	49.4N	7.0E	2	2.3L		¶97iii0223
SZGRF III	02 01 43 20.6	49.30N	8.98E	10	1.7L		
ISC III	**06 15 07 59**±1.9	**50.42N**±.076	**6.2E**±.25	**8**		**5**	**0-1**
UCC III	06 15 07 59.8	50.42N	6.12E	8	1.9L		¶97iii1296
SZGRF III	**10 10 18 39.9**	**49.33N**	**8.62E**	**10**	**1.8L**		**¶97iii2192**
SZGRF III	**13 08 28 51.1**	**49.32N**	**8.81E**	**10**	**1.7L**		**¶97iii2674**
ISC III	**17 09 23 52**±4.9	**48.7N**±.15	**9.1E**±.46	**10**		**5**	**1-2**
SZGRF III	17 09 23 54.6	48.70N	8.96E	10	1.4L		¶97iii3355
ISC Poorly determined							
BUG III	**18 05 27 36.2**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97iii3491**
BUG Mining induced event							
BUG III	**18 17 56 23.1**	**51.6N**	**7.1E**	**1**	**1.2L**		**¶97iii3574**
BUG Mining induced event							
SZGRF III	**20 00 19 54.2**	**52.37N**	**7.71E**	**1**	**2.3L**		**¶97iii3792**
SZGRF III	**20 01 47 46.6**	**50.30N**	**7.41E**	**10**	**1.5L**		**¶97iii3809**
ISC III	**20 23 47 33.6**±.42	**49.33N**±.028	**6.71E**±.055	**0**		**30**	**0-4**
NEIC III	20 23 47 34.9	49.34N	6.80E	10			¶97iii3970
LDG III	20 23 47 35.2	49.4N	6.8E	2	2.6L		
LEDBW III	20 23 47 35.7	49.34N	6.78E	1	2.1L		
SZGRF III	20 23 47 36.2	49.34N	6.78E	1	1.9L		
NEIC $M_{L2.6}$(STR)							
NEIC Mining induced event in the Lorraine region, France.							
LEDBW Mining induced event							
ISC III	**21 07 24 54.9**±.46	**49.33N**±.028	**6.67E**±.066	**0**		**25**	**0-3**
LDG III	21 07 24 56.7	49.3N	6.7E	2	2.7L		¶97iii4031
LEDBW III	21 07 24 57.4	49.34N	6.87E	1	2.1L		
SZGRF III	21 07 24 57.6	49.34N	6.79E	1	1.9L		
NEIC III	21 07 24 58.3	49.25N	6.53E	10			
LEDBW Mining induced event							
NEIC $M_{L2.6}$(STR).							
NEIC ML 2.5 (DBN). Mining induced event in the Lorraine region, France.							
ISC III	**21 10 00 49.3**±.98	**49.11N**±.048	**6.8E**±.17	**0**		**9**	**1-2**
LEDBW III	21 10 00 48.8	49.11N	6.59E	1	2.0L		¶97iii4052
LEDBW Mining induced event							
ISC III	**21 20 58 23.0**±.84	**50.30N**±.046	**7.30E**±.092	**8**±8.3		**22**	**0-4**
NEIC III	21 20 58 24.0	50.20N	7.31E	5			¶97iii4134
LDG III	21 20 58 25.1	50.3N	7.3E	2	2.6L		
SZGRF III	21 20 58 25.4	50.38N	7.38E	10	2.1L		
NEIC $M_{L2.1}$(DBN).							
BUG III	**26 06 18 34.3**	**51.5N**	**6.9E**	**1**	**1.4L**		**¶97iii4851**
BUG Mining induced event							
BUG III	**27 03 48 18.6**	**51.6N**	**7.1E**	**1**	**1.1L**		**¶97iii5133**
BUG Mining induced event							
ISC III	**27 11 15 35**±3.2	**48.8N**±.20	**10.3E**±.15	**10**		**8**	**2-3**
NEIC III	27 11 15 43.5	48.26N	9.91E	10			¶97iii5206
NEIC $M_{L2.6}$(VIE), Less reliable solution.							
BUG III	**27 11 46 11.9**	**51.5N**	**6.9E**	**1**	**1.5L**		**¶97iii5214**
BUG Mining induced event							
BUG IV	**01 01 11 23.8**	**51.5N**	**6.9E**	**1**	**0.9L**		**¶97iv0009**
BUG Mining induced event							
ISC IV	**01 21 59 40.3**±.46	**48.38N**±.047	**9.01E**±.047	**13**±7.5		**28**	**0-4**
LEDBW IV	01 21 59 41.6	48.36N	9.01E	9	2.1L		¶97iv0146
SZGRF IV	01 21 59 41.9	48.39N	8.99E	10	2.1L		
NEIC IV	01 21 59 42.3	48.32N	8.91E	5			
LEDBW Felt I=III MSK							
NEIC $M_{L2.5}$(STR), $M_{L2.3}$(FUR).							
BUG IV	**02 06 14 41.3**	**51.5N**	**6.9E**	**1**	**1.3L**		**¶97iv0197**
BUG Mining induced event							
ISC IV	**02 20 52 13**±1.3	**51.50N**±.084	**7.1E**±.16	**0**		**7**	**0-2**
BUG IV	02 20 52 11.7	51.5N	7.1E	1	1.1L		¶97iv0315
SZGRF IV	02 20 52 15.5	51.49N	7.10E	1	1.7L		
ISC Poorly determined							
BUG Mining induced event							
BUG IV	**03 10 25 12.7**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97iv0411**
BUG Mining induced event							
ISC IV	**04 04 07 40.0**±.65	**51.44N**±.057	**6.79E**±.078	**0**		**23**	**0-6**
BUG IV	04 04 07 42.7	51.5N	6.9E	1	2.0L		¶97iv0541
LDG IV	04 04 07 43.2	51.4N	6.9E		3.0L		
SZGRF IV	04 04 07 44.5	51.50N	6.90E		2.3L		
BUG Mining induced event							
BUG IV	**06 19 05 49.4**	**51.5N**	**6.9E**	**1**	**0.9L**		**¶97iv1040**
BUG Mining induced event							
BUG IV	**06 21 01 11.2**	**51.6N**	**7.0E**	**1**	**0.7L**		**¶97iv1054**
BUG Mining induced event							
ISC IV	**07 06 16 06.8**±.85	**50.74N**±.091	**6.19E**±.088	**9**±11		**11**	**0-3**
UCC IV	07 06 16 07.5	50.70N	6.12E	10			¶97iv1111
SZGRF IV	07 06 16 09.0	50.72N	6.23E	5	2.0L		
BUG IV	**07 07 25 21.2**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97iv1119**
BUG Mining induced event							
ISC IV	**07 12 11 43**±1.1	**51.7N**±.11	**7.9E**±.11	**0**		**9**	**0-2**
BUG IV	07 12 11 43.1	51.7N	7.9E	1	2.3L		¶97iv1155
SZGRF IV	07 12 11 45.8	51.68N	7.92E	1	2.4L		
BUG Mining induced event							
SZGRF IV	**07 13 25 57.2**	**48.96N**	**9.00E**	**10**	**1.7L**		**¶97iv1169**
SZGRF IV	**09 10 25 46.9**	**51.25N**	**12.27E**	**10**	**1.4L**		**¶97iv1498**
EIDC IV	**09 11 21 45.1**	**51.8N**	**14.3E**	**0**	**3.3L**		**3-12**
							¶97iv1507

BUG	**IV**	**11 09 15 21.0**	**51.5N**	**6.9E**	**1**	**1.2L**		**¶97iv1851**
BUG	Mining induced event							
BUG	**IV**	**11 10 11 20.3**	**51.7N**	**7.9E**	**1**	**1.9L**		**¶97iv1865**
BUG	Mining induced event							
SZGRF	**IV**	**13 14 35 44.1**	**50.99N**	**6.71E**	**10**	**1.3L**		**¶97iv2254**
ISC	**IV**	**13 15 27 38.9**±.96	**51.00N**±.098	**6.8E**±.11	**10**		**8**	**0-2**
SZGRF	IV	13 15 27 40.4	50.99N	6.70E	10	1.5L		**¶97iv2258**
ISC	**IV**	**13 16 45 45**±1.1	**51.0N**±.10	**6.7E**±.12	**10**		**8**	**0-2**
SZGRF	IV	13 16 45 46.1	51.00N	6.70E	10	1.5L		**¶97iv2267**
SZGRF	**IV**	**13 22 30 53.0**	**50.98N**	**6.71E**	**10**	**1.4L**		**¶97iv2313**
ISC	**IV**	**14 18 02 30**±1.5	**50.6N**±.16	**12.5E**±.13	**0**		**7**	**1-5**
SZGRF	IV	14 18 02 30.8	50.58N	12.45E		1.6L		**¶97iv2493**
ISC	Poorly determined							
ISC	**IV**	**17 19 06 32**±1.1	**50.14N**±.097	**8.6E**±.10	**10**		**8**	**0-2**
SZGRF	IV	17 19 06 34.7	50.13N	8.62E	10	1.8L		**¶97iv2958**
ISC	**IV**	**17 21 14 51**±2.1	**51.6N**±.18	**7.8E**±.15	**0**		**7**	**0-2**
BUG	IV	17 21 14 51.7	51.6N	7.7E	1	1.7L		**¶97iv2974**
SZGRF	IV	17 21 14 53.9	51.65N	7.70E	1	1.8L		
ISC	Poorly determined							
BUG	Mining induced event							
ISC	**IV**	**18 19 34 40**±1.2	**51.58N**±.070	**6.9E**±.15	**1**		**8**	**0-2**
SZGRF	IV	18 19 34 42.8	51.57N	6.94E	1	1.5L		**¶97iv3110**
ISC	**IV**	**20 07 25 19.3**±.47	**50.08N**±.036	**8.62E**±.057	**2**		**35**	**0-3**
SZGRF	IV	20 07 25 20.4	50.11N	8.66E	2	2.3L		**¶97iv3286**
LEDBW	IV	20 07 25 20.7	50.09N	8.60E	4	2.5L		
BUG	**IV**	**22 18 22 04.4**	**51.6N**	**7.2E**	**1**	**0.9L**		**¶97iv3805**
BUG	Mining induced event							
ISC	**IV**	**22 21 27 32**±1.3	**50.09N**±.059	**6.2E**±.17	**11**±12		**10**	**0-4**
UCC	IV	22 21 27 34.0	50.16N	6.21E	10	1.7L		**¶97iv3829**
NEIC	IV	22 21 27 34.2	50.18N	6.14E	5			
LDG	IV	22 21 27 35.5	50.0N	6.1E		2.4L		
NEIC	M_L1.5(DBN), Less reliable solution.							
ISC	**IV**	**23 14 19 23.6**±.85	**50.4N**±.13	**6.2E**±.16	**9**±18		**9**	**0-3**
UCC	IV	23 14 19 24.6	50.41N	6.01E	10	2.0L		**¶97iv3972**
EIDC	**IV**	**23 14 51 15.0**	**49.9N**	**12.1E**	**0**	3.5L,3.6b		**2-60**
								¶97iv3978
ISC	**IV**	**27 03 55 36.8**±.80	**50.20N**±.055	**12.36E**±.094	**10**		**11**	**1-1**
NEIC	IV	27 03 55 38.0	50.21N	12.30E	10			**¶97iv4655**
SZGRF	IV	27 03 55 38.3	50.21N	12.31E	10	1.6L		
NEIC	Less reliable solution.							
ISC	**IV**	**29 15 01 39**±1.3	**50.3N**±.18	**12.5E**±.28	**10**		**8**	**1-1**
SZGRF	IV	29 15 01 41.4	50.33N	12.50E	10	1.2L		**¶97iv5097**
ISC	Poorly determined							
BUG	**V**	**02 15 58 27.8**	**51.6N**	**7.7E**	**1**	**1.4L**		**¶97v0293**
BUG	Mining induced event							
BUG	**V**	**06 13 42 55.4**	**51.6N**	**7.0E**	**1**	**0.6L**		**¶97v0974**
BUG	Mining induced event							
BUG	**V**	**08 01 55 54.6**	**51.5N**	**7.1E**	**1**	**1.1L**		**¶97v1167**
BUG	Mining induced event							
BUG	**V**	**11 00 39 21.1**	**51.5N**	**7.1E**	**1**	**1.0L**		**¶97v1691**
BUG	Mining induced event							
BUG	**V**	**13 22 28 09.7**	**51.5N**	**6.6E**	**1**	**1.5L**		**¶97v2344**
BUG	Mining induced event							
ISC	**V**	**13 23 47 26.2**±.46	**49.15N**±.032	**6.85E**±.066	**0**		**28**	**1-5**
LEDBW	V	13 23 47 26.5	49.12N	6.73E	1	2.5L		**¶97v2356**
STR	V	13 23 47 27.0	49.11N	6.81E	1	3.0L		
NEIC	V	13 23 47 27.0	49.34N	7.09E	5			
SZGRF	V	13 23 47 27.5	49.2N	6.8E	1	2.6L		
UCC	V	13 23 47 41.1	49.67N	6.15E	10	2.6L		
LEDBW	Mining induced event							
NEIC	Less reliable solution.							
NEIC	Mining induced event in the Lorraine region, France.							
ISC	**V**	**15 17 29 32.3**±.59	**54.75N**±.044	**12.6E**±.12	**0**		**18**	**1-16**
SZGRF	V	15 17 29 34.5	54.7N	12.7E		2.9L		**¶97v2653**
EIDC	V	15 17 29 34.5	54.8N	12.3E	0	3.8L		
ISC	**V**	**16 12 32 31**±1.4	**51.85N**±.097	**13.6E**±.52	**0**		**5**	**3-19**
EIDC	V	16 12 32 30.8	51.9N	14.1E	0	3.4L		**¶97v2774**
BUG	**V**	**17 11 06 04.3**	**51.6N**	**7.2E**	**1**	**1.0L**		**¶97v2917**
BUG	Mining induced event							
ISC	**V**	**21 20 05 01**±1.0	**51.10N**±.076	**13.2E**±.15	**0**		**7**	**0-2**
SZGRF	V	21 20 05 01.6	51.2N	13.3E	0	1.5L		**¶97v3600**
BUG	**V**	**23 02 45 08.0**	**51.6N**	**6.7E**	**1**	**1.4L**		**¶97v3871**
BUG	Mining induced event							
ISC	**V**	**24 22 26 53.8**±.62	**48.86N**±.039	**9.72E**±.048	**7**±6.6		**37**	**0-6**
NEIC	V	24 22 26 54.9	48.96N	9.63E	10			**¶97v4178**
SZGRF	V	24 22 26 55.5	48.9N	9.7E	10	2.6L		
LEDBW	V	24 22 26 55.9	48.85N	9.75E	8	2.5L		
LDG	V	24 22 26 58.7	48.8N	9.5E		2.9L		
NEIC	M_L2.9(VIE)							
ISC	**V**	**25 11 07 36.4**±.65	**50.58N**±.047	**6.49E**±.082	**5**		**17**	**0-5**
NEIC	V	25 11 07 37.5	50.48N	6.44E	5			**¶97v4261**
UCC	V	25 11 07 38.6	50.66N	6.42E	7	2.4L		
SZGRF	V	25 11 07 38.6	50.8N	6.4E	5	2.3L		
LDG	V	25 11 07 39.2	50.6N	6.4E		2.8L		
ISC	**V**	**26 10 53 11**±1.0	**51.46N**±.085	**6.8E**±.14	**0**		**6**	**0-2**
BUG	V	26 10 53 10.5	51.6N	6.8E	1	1.8L		**¶97v4402**
BUG	Mining induced event							
BUG	**V**	**28 16 58 30.8**	**51.5N**	**6.8E**	**1**	**1.2L**		**¶97v4747**
BUG	Mining induced event							
STR	**V**	**30 19 30 02.5**	**49.03N**	**11.48E**	**2**	**3.2L**		**¶97v5086**
BUG	**V**	**30 21 36 44.4**	**51.6N**	**7.0E**	**1**	**1.1L**		**¶97v5104**
BUG	Mining induced event							
ISC	**V**	**31 01 17 22**±1.1	**51.55N**±.076	**6.7E**±.17	**0**		**5**	**0-1**
BUG	V	31 01 17 20.9	51.6N	6.7E	1	1.7L		**¶97v5131**
SZGRF	V	31 01 17 24.1	51.5N	6.8E	1	2.0L		
BUG	Mining induced event							
ISC	**VI**	**01 05 08 01.7**±.59	**50.35N**±.042	**12.39E**±.066	**10**		**17**	**0-3**
SZGRF	VI	01 05 08 03.4	50.4N	12.4E	10	2.1L		**¶97vi0023**
ISC	**VI**	**01 05 12 48.8**±.59	**50.33N**±.037	**12.32E**±.044	**9**±4.9		**76**	**0-10**
MOS	VI	01 05 12 49.5	50.3N	12.3E	10	4.0b		**¶97vi0025**
NEIC	VI	01 05 12 49.9	50.22N	12.28E	5			
LDG	VI	01 05 12 50.4	50.2N	12.5E		3.4L		
SZGRF	VI	01 05 12 51.1	50.4N	12.4E	10	3.3L		
STR	VI	01 05 12 55.0	50.09N	12.12E	4	3.6L		
NEIC	M_L3.8(VIE), Less reliable solution.							
ISC	**VI**	**03 06 45 23**±1.2	**50.3N**±.10	**12.5E**±.15	**10**		**5**	**1-1**
SZGRF	VI	03 06 45 25.0	50.4N	12.4E	10	1.7L		**¶97vi0394**
BUG	**VI**	**04 21 19 36.0**	**51.5N**	**6.8E**	**1**	**1.5L**		**¶97vi0674**
BUG	Mining induced event							
BUG	**VI**	**05 23 53 17.8**	**51.7N**	**7.0E**	**1**	**1.3L**		**¶97vi0852**
BUG	Mining induced event							
ISC	**VI**	**10 14 19 59.9**±.75	**49.61N**±.041	**7.8E**±.11	**5**		**12**	**0-2**
SZGRF	VI	10 14 20 01.5	49.6N	7.8E	5	1.6L		**¶97vi1534**
ISC	**VI**	**12 21 20 08**±1.1	**49.14N**±.065	**6.9E**±.17	**0**		**6**	**1-2**
LEDBW	VI	12 21 20 08.7	49.14N	6.95E	1	1.9L		**¶97vi1899**
LEDBW	Mining induced event							
BUG	**VI**	**13 14 37 39.7**	**51.5N**	**7.1E**	**1**	**1.2L**		**¶97vi2006**
BUG	Mining induced event							
ISC	**VI**	**18 12 11 29**±1.6	**50.42N**±.067	**6.1E**±.23	**3**		**5**	**0-1**
UCC	VI	18 12 11 29.4	50.43N	6.16E	3	1.8L		**¶97vi2781**
ISC	**VI**	**18 13 19 28.5**±.59	**49.34N**±.038	**6.93E**±.080	**0**		**16**	**0-2**
LEDBW	VI	18 13 19 29.8	49.38N	6.92E	1	2.4L		**¶97vi2789**
SZGRF	VI	18 13 19 30.1	49.4N	6.9E	1	2.5L		
LEDBW	Mining induced event							
ISC	**VI**	**20 00 20 02.1**±.55	**49.35N**±.031	**6.91E**±.074	**0**		**26**	**0-5**
LEDBW	VI	20 00 20 03.0	49.38N	6.84E	1	2.4L		**¶97vi2981**
NEIC	VI	20 00 20 03.9	49.40N	6.94E	10			
SZGRF	VI	20 00 20 03.9	49.4N	6.8E	1	2.4L		
UCC	VI	20 00 20 05.1	49.42N	6.86E	8	2.3L		
LEDBW	Mining induced event							
NEIC	Mining induced event in the Lorraine region, France.							
BUG	**VI**	**20 03 46 26.2**	**51.6N**	**6.7E**	**1**	**1.5L**		**¶97vi3007**
BUG	Mining induced event							
BUG	**VI**	**22 01 05 28.5**	**51.6N**	**6.7E**	**1**	**1.1L**		**¶97vi3303**
BUG	Mining induced event							
BUG	**VI**	**23 12 47 59.0**	**51.5N**	**7.1E**	**1**	**0.9L**		**¶97vi3530**
BUG	Mining induced event							
BUG	**VI**	**24 15 26 21.2**	**51.5N**	**7.1E**	**1**	**0.6L**		**¶97vi3738**
BUG	Mining induced event							
ISC	**VI**	**25 00 05 53.1**±.46	**49.35N**±.029	**6.90E**±.059	**0**		**24**	**0-3**
LEDBW	VI	25 00 05 54.9	49.38N	6.94E	1	2.2L		**¶97vi3803**
UCC	VI	25 00 06 05.3	49.67N	6.15E	15	2.1L		
LEDBW	Mining induced event							
ISC	**VI**	**25 00 51 32**±1.1	**51.51N**±.074	**6.8E**±.15	**1**		**5**	**0-2**
SZGRF	VI	25 00 51 33.7	51.5N	7.0E	1	1.9L		**¶97vi3816**
BUG	**VI**	**25 09 24 29.4**	**51.5N**	**7.1E**	**1**	**1.3L**		**¶97vi3881**
BUG	Mining induced event							
BUG	**VI**	**26 10 38 06.8**	**51.7N**	**7.9E**	**1**	**1.7L**		**¶97vi4123**
BUG	Mining induced event							
UCC	**VI**	**26 17 56 47.8**	**50.81N**	**6.17E**	**14**	**1.5L**		**¶97vi4180**
ISC	**VI**	**26 23 05 08.1**±.74	**49.33N**±.040	**6.9E**±.10	**0**		**14**	**0-3**
LEDBW	VI	26 23 05 09.5	49.36N	6.95E	1	2.0L		**¶97vi4208**
LEDBW	Mining induced event							
BUG	**VI**	**28 20 15 21.6**	**51.7N**	**7.9E**	**1**	**1.2L**		**¶97vi4517**
BUG	Mining induced event							

(544) Switzerland.

ISC	**I**	**01 23 02 41**±1.8	**46.33N**±.050	**7.5E**±.23	**3**±9.9		**14**	**1-3**
LDG	I	01 23 02 44.0	46.3N	7.4E	2	2.3L		**¶97i0137**
NEIC	I	01 23 02 45.0	46.25N	7.17E	10			
NEIC	Single network solution.							
LEDBW	**I**	**02 17 24 18.5**	**47.87N**	**8.50E**	**14**	**1.6L**		**¶97i0251**
ISC	**I**	**03 04 48 06.9**±.70	**46.93N**±.040	**7.08E**±.081	**13**±11		**19**	**0-3**
NEIC	I	03 04 48 08.4	46.97N	7.10E	5			**¶97i0320**
LDG	I	03 04 48 09.3	47.0N	7.1E		2.3L		
ISC	**I**	**15 05 35 09.4**±.39	**47.77N**±.024	**7.02E**±.031	**11**±3.6		**85**	**0-7**
MOS	I	15 05 35 09.4	47.7N	7.0E	10	3.4s		**¶97i2105**
NEIC	I	15 05 35 09.8	47.73N	6.98E	10			
STR	I	15 05 35 10.4	47.72N	7.10E	2	3.1L		
ZUR	I	15 05 35 10.7	47.75N	7.14E	10	2.9L		
LEDBW	I	15 05 35 10.7	47.74N	7.13E	4	2.9L		
LDG	I	15 05 35 10.9	47.7N	7.1E	2	3.4L		
SZGRF	I	15 05 35 15.3	47.87N	7.25E	10	3.0L		
ROM	I	15 05 35 26.0	44.6N	9.6E	10	3.0D		
NEIC	M_L3.1 (FUR), 3.0 (VIE).							
ISC	**I**	**15 18 27 12.3**±.69	**47.72N**±.043	**7.03E**±.078	**2**		**11**	**0-2**
LDG	I	15 18 27 13.3	47.7N	7.1E	2	2.2L		**¶97i2193**
ISC	**I**	**18 13 55 08**±2.5	**46.04N**±.087	**7.1E**±.30	**10**		**10**	**1-3**
NEIC	I	18 13 55 07.4	46.06N	7.28E	10			**¶97i2672**
LDG	I	18 13 55 12.0	45.9N	6.7E	0	2.4L		
NEIC	Poor solution.							
ISC	**I**	**19 11 04 57**±1.4	**47.77N**±.048	**7.6E**±.16	**2**		**9**	**0-2**
LDG	I	19 11 04 56.0	47.8N	7.7E	2	2.1L		**¶97i2828**
LEDBW	I	19 11 04 56.2	47.79N	7.66E	5	1.4L		
ISC	**I**	**21 02 15 55.9**±.30	**46.00N**±.025	**6.02E**±.045	**10**		**47**	**1-4**
ZUR	I	21 02 15 54.1	45.85N	5.96E	10	2.2L		**¶97i3122**
NEIC	I	21 02 15 55.9	46.03N	6.03E	10			
LDG	I	21 02 15 56.4	46.0N	6.1E	2	3.0L		
NEIC	M_L3.0(STR).							
ISC	**I**	**24 07 38 36.8**±.60	**46.11N**±.043	**7.54E**±.056	**6**±6.8		**26**	**0-3**
NEIC	I	24 07 38 37.1	46.13N	7.58E	5			**¶97i3615**
ZUR	I	24 07 38 37.4	46.14N	7.58E	8	2.1L		
LDG	I	24 07 38 37.7	46.1N	7.6E	2	2.6L		
NEIC	M_L2.9(STR)							
ISC	**I**	**29 00 12 51.3**±.54	**47.70N**±.047	**7.07E**±.053	**5**		**14**	**0-3**
NEIC	I	29 00 12 52.0	47.76N	7.14E	5			**¶97i4274**
LEDBW	I	29 00 12 52.7	47.74N	7.13E	7	1.8L		
LDG	I	29 00 12 52.9	47.7N	7.1E	2	2.3L		
NEIC	Single network solution.							
ISC	**I**	**29 04 17 56.5**±.44	**47.71N**±.038	**7.08E**±.042	**5**		**23**	**0-3**
LEDBW	I	29 04 17 57.7	47.73N	7.13E	6	2.0L		**¶97i4304**
NEIC	I	29 04 17 57.8	47.85N	7.24E	5			
ZUR	I	29 04 17 58.2	47.75N	7.12E	10	2.0L		
LDG	I	29 04 17 58.3	47.7N	7.1E	2	2.6L		
SZGRF	I	29 04 18 00.5	47.83N	7.19E	10	1.8L		
NEIC	Single network solution.							
ISC	**II**	**01 14 01 58.1**±.33	**47.69N**±.020	**7.31E**±.032	**26**±4.3		**122**	**0-13**
NEIC	II	01 14 01 57.3	47.63N	7.30E	10			**¶97ii0081**
EIDC	II	01 14 01 57.6	47.8N	7.5E	0	3.5L		
STR	II	01 14 01 58.2	47.66N	7.42E	9	3.3L		
ZUR	II	01 14 01 58.4	47.69N	7.46E	10	3.4L		
LEDBW	II	01 14 01 58.7	47.67N	7.48E	10	3.6L		
LDG	II	01 14 01 59.4	47.7N	7.3E	15	3.7L		
SZGRF	II	01 14 02 01.4	47.79N	7.54E	10	3.5L		
NEIC	ML 3.5 (FUR), 3.4 (VIE).							
LEDBW	Felt I=IV MSK							
ISC	**II**	**06 17 00 18**±1.5	**46.33N**±.082	**7.1E**±.17	**10**		**7**	**0-2**
ZUR	II	06 17 00 17.1	46.38N	7.03E	7	2.0L		**¶97ii0874**
NEIC	II	06 17 00 17.7	46.33N	7.09E	10			
NEIC	Single network solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**II**	**08 09 18 47.3**±.97	**46.18N**±.039	**7.0E**±.13	**2**		**12**	**1-3**
LDG	II	08 09 18 49.0	46.1N	7.1E	2	2.3L		¶97ii1121
ISC	**II**	**15 23 17 48**±1.2	**46.25N**±.050	**7.9E**±.14	**10**		**14**	**1-3**
NEIC	II	15 23 17 47.8	46.31N	8.00E	10			¶97ii2309
LDG	II	15 23 17 49.1	46.3N	7.9E	2	2.1L		
NEIC	Single network solution.							
ISC	**II**	**17 17 20 03.8**±.62	**46.20N**±.035	**7.68E**±.071	**10**		**18**	**0-3**
LDG	II	17 17 20 02.8	46.2N	7.9E	2	2.2L		¶97ii2519
ZUR	II	17 17 20 04.7	46.22N	7.73E	2	2.0L		
NEIC	II	17 17 20 04.7	46.17N	7.73E	10			
NEIC	$M_{L2.7}$(STR)							
ISC	**II**	**19 18 41 55.1**±.49	**46.21N**±.023	**7.75E**±.044	**1**±5.0		**51**	**0-5**
STR	II	19 18 41 52.9	46.12N	7.93E	10	3.2L		¶97ii2816
NEIC	II	19 18 41 55.5	46.21N	7.75E	5			
ROM	II	19 18 41 56.1	46.2N	7.8E	9	2.7D		
ZUR	II	19 18 41 56.1	46.22N	7.73E	2	2.7L		
LDG	II	19 18 41 58.0	46.2N	7.7E	2	2.7L		
ISC	**II**	**20 15 39 32.8**±.70	**47.78N**±.029	**7.40E**±.041	**14**±6.2		**59**	**0-5**
NEIC	II	20 15 39 33.4	47.75N	7.41E	20			¶97ii2948
LDG	II	20 15 39 33.6	47.8N	7.6E	15	3.2L		
STR	II	20 15 39 34.2	47.81N	7.51E	10	3.1L		
LEDBW	II	20 15 39 34.4	47.81N	7.56E	21	3.1L		
ZUR	II	20 15 39 34.5	47.83N	7.54E	10	2.7L		
SZGRF	II	20 15 39 38.7	47.90N	7.70E				
NEIC	ML 3.1 (VIE).							
LEDBW	Felt I=III MSK							
LDG	**II**	**21 00 50 25.4**	**47.4N**	**7.8E**	**2**	**2.1L**		¶97ii2995
ISC	**II**	**21 05 04 28**±2.5	**47.33N**±.071	**7.5E**±.23	**2**		**11**	**1-3**
LDG	II	21 05 04 27.2	47.4N	7.8E	2	2.2L		¶97ii3021
ISC	**II**	**23 05 09 05.3**±.38	**46.73N**±.029	**7.11E**±.056	**10**		**36**	**0-5**
ROM	II	23 05 09 04.6	46.9N	7.2E	5	2.5D		¶97ii3297
NEIC	II	23 05 09 05.5	46.74N	7.15E	10			
ZUR	II	23 05 09 06.4	46.74N	7.21E	8	2.1L		
LDG	II	23 05 09 07.7	46.8N	7.1E	15	2.5L		
SZGRF	II	23 05 09 09.7	46.82N	7.30E	10	2.0L		
NEIC	$M_{L2.7}$(STR)							
ISC	**II**	**23 11 54 32.4**±.74	**46.57N**±.085	**9.61E**±.091	**8**±18		**10**	**0-4**
NEIC	II	23 11 54 32.2	46.58N	9.60E	10			¶97ii3326
ZUR	II	23 11 54 32.8	46.57N	9.61E	4	2.1L		
NEIC	$M_{L2.2}$(VIE).							
ISC	**II**	**25 22 28 15.1**±.64	**46.21N**±.052	**7.75E**±.064	**1**		**11**	**0-2**
ZUR	II	25 22 28 15.2	46.22N	7.73E	1	2.0L		¶97ii3701
ISC	**II**	**27 17 37 26.2**±.68	**46.14N**±.057	**7.67E**±.074	**10**±12		**15**	**0-3**
LDG	II	27 17 37 24.1	46.3N	7.8E	2	2.4L		¶97ii3987
ZUR	II	27 17 37 25.7	46.22N	7.74E	6	2.0L		
NEIC	II	27 17 37 26.1	46.22N	7.71E	5			
ISC	**III**	**05 14 16 54**±3.2	**47.3N**±.24	**7.4E**±.26	**33**		**6**	**0-1**
								¶97iii1077
ISC	**III**	**05 16 37 12.2**±.61	**46.04N**±.043	**6.09E**±.074	**5**		**13**	**1-2**
NEIC	III	05 16 37 15.8	45.88N	6.19E	5			¶97iii1097
NEIC	$M_{L2.3}$(STR).							
LEDBW	**III**	**07 15 59 09.5**	**47.78N**	**7.87E**	**22**	**1.7L**		¶97iii1543
ISC	**III**	**08 23 12 21.1**±.85	**46.62N**±.050	**6.33E**±.089	**5**		**12**	**0-2**
NEIC	III	08 23 12 21.9	46.65N	6.43E	5			¶97iii1858
LDG	III	08 23 12 22.7	46.6N	6.4E	2	2.2L		
NEIC	Single network solution.							
ISC	**III**	**09 00 05 01.6**±.45	**46.59N**±.031	**6.33E**±.060	**5**		**24**	**0-6**
NEIC	III	09 00 05 02.8	46.62N	6.37E	5			¶97iii1869
LDG	III	09 00 05 03.2	46.6N	6.4E	2	2.3L		
NEIC	$M_{L2.5}$(STR)							
ISC	**III**	**09 05 59 26.9**±.56	**46.59N**±.037	**6.30E**±.063	**8**±9.1		**21**	**0-3**
LDG	III	09 05 59 28.6	46.6N	6.4E	2	2.5L		¶97iii1914
NEIC	III	09 05 59 28.7	46.62N	6.54E	5			
NEIC	$M_{L2.7}$(STR)							
ISC	**III**	**09 06 04 32.0**±.94	**46.65N**±.055	**6.4E**±.12	**5**		**11**	**0-2**
NEIC	III	09 06 04 33.4	46.62N	6.47E	5			¶97iii1916
LDG	III	09 06 04 33.5	46.6N	6.4E	2	1.7L		
NEIC	Single network solution.							
ISC	**III**	**10 14 18 27.7**±.59	**47.79N**±.045	**7.77E**±.062	**10**		**12**	**0-1**
NEIC	III	10 14 18 27.6	47.80N	7.80E	10			¶97iii2228
LEDBW	III	10 14 18 27.9	47.79N	7.80E	15	2.0L		
NEIC	$M_{L2.0}$(STR).							
ISC	**III**	**11 04 56 21.4**±.44	**46.17N**±.033	**7.72E**±.058	**10**		**26**	**0-3**
ZUR	III	11 04 56 21.2	46.22N	7.73E	1	2.1L		¶97iii2310
NEIC	III	11 04 56 21.4	46.17N	7.74E	10			
LDG	III	11 04 56 23.0	46.2N	7.7E	2	2.4L		
NEIC	$M_{L2.7}$(STR)							
ISC	**III**	**18 16 42 07.9**±.45	**46.16N**±.024	**7.48E**±.047	**6**±4.7		**42**	**0-3**
NEIC	III	18 16 42 08.2	46.16N	7.51E	5			¶97iii3568
ZUR	III	18 16 42 08.5	46.20N	7.51E	6	2.1L		
LDG	III	18 16 42 09.2	46.2N	7.5E	2	2.5L		
NEIC	$M_{L2.9}$(STR)							
ISC	**III**	**19 11 28 11.0**±.75	**47.79N**±.060	**8.04E**±.065	**5**		**15**	**0-2**
NEIC	III	19 11 28 11.7	47.80N	7.99E	5			¶97iii3696
NEIC	$M_{L2.5}$(STR), $M_{L2.3}$(VIE).							
ISC	**III**	**22 09 55 18.5**±.68	**46.38N**±.048	**6.02E**±.084	**13**±9.5		**13**	**0-2**
NEIC	III	22 09 55 19.8	46.45N	6.30E	10			¶97iii4241
LDG	III	22 09 55 19.9	46.4N	6.1E	2	2.4L		
ISC	**III**	**23 18 42 25.9**±.96	**46.59N**±.053	**6.3E**±.10	**5**		**11**	**0-2**
LDG	III	23 18 42 27.7	46.6N	6.3E	2	1.9L		¶97iii4473
NEIC	III	23 18 42 27.8	46.59N	6.48E	5			
NEIC	Single network solution.							
LEDBW	**III**	**25 16 04 35.0**	**47.68N**	**7.82E**	**18**	**1.9L**		¶97iii4754
ISC	**III**	**27 02 52 51.9**±.63	**46.35N**±.038	**6.11E**±.076	**5**		**13**	**0-2**
LDG	III	27 02 52 53.6	46.4N	6.2E	2	2.2L		¶97iii5123
NEIC	III	27 02 52 54.0	46.35N	6.30E	5			
NEIC	Single network solution.							
ISC	**III**	**31 19 43 38**±2.0	**47.92N**±.092	**7.2E**±.21	**5**		**7**	**0-3**
LDG	III	31 19 43 39.8	48.0N	7.3E	2	2.0L		¶97iii5922
NEIC	III	31 19 43 40.1	48.01N	7.17E	5			
NEIC	Poor solution.							
ISC	**IV**	**04 20 52 55**±1.2	**46.80N**±.043	**7.3E**±.20	**5**		**14**	**1-3**
LDG	IV	04 20 52 57.3	46.8N	7.1E		2.1L		¶97iv0660
NEIC	IV	04 20 52 57.8	46.86N	7.04E	5			
NEIC	Single network solution.							
ISC	**IV**	**05 11 43 32**±9.7	**47.7N**±.15	**8.6E**±.86	**0**		**6**	**1-3**
LDG	IV	05 11 43 35.1	47.8N	8.5E		2.5L		¶97iv0763
ISC	Poorly determined							
ISC	**IV**	**17 12 50 43.5**±.78	**46.18N**±.049	**7.90E**±.079	**12**±7.6		**17**	**0-2**
NEIC	IV	17 12 50 43.2	46.18N	7.92E	10			¶97iv2904
ZUR	IV	17 12 50 43.5	46.19N	7.90E	13	2.0L		
NEIC	$M_{L2.5}$(GEN).							
ISC	**IV**	**26 08 24 11.8**±.47	**46.20N**±.021	**7.77E**±.042	**3**±4.6		**54**	**0-4**
NEIC	IV	26 08 24 12.6	46.19N	7.77E	10			¶97iv4498
ZUR	IV	26 08 24 12.7	46.21N	7.73E	2	2.5L		
ROM	IV	26 08 24 13.7	46.1N	7.8E	16	2.4D		
STR	IV	26 08 24 14.4	46.28N	7.82E	5	3.0L		
LDG	IV	26 08 24 14.8	46.3N	7.7E		2.8L		
ISC	**IV**	**26 10 04 51**±1.4	**46.20N**±.064	**7.6E**±.16	**5**		**11**	**1-3**
LDG	IV	26 10 04 51.0	46.2N	7.8E		2.2L		¶97iv4519
NEIC	IV	26 10 04 53.1	46.13N	7.49E	5			
NEIC	Single network solution.							
ISC	**IV**	**27 17 01 13.4**±.52	**46.20N**±.020	**7.70E**±.032	**3**±4.7		**88**	**0-6**
ZUR	IV	27 17 01 14.0	46.22N	7.73E	1	2.8L		¶97iv4762
SZGRF	IV	27 17 01 14.0	46.15N	7.77E	10	3.1L		
NEIC	IV	27 17 01 14.2	46.19N	7.70E	10			
LDG	IV	27 17 01 15.5	46.2N	7.7E		3.2L		
STR	IV	27 17 01 15.6	46.23N	7.62E	5	3.2L		
ROM	IV	27 17 01 15.7	46.0N	7.7E	7	3.0D		
NEIC	ML 2.9 (VIE).							
ISC	**V**	**05 10 30 33.2**±.81	**46.90N**±.047	**7.4E**±.11	**12**±11		**11**	**1-2**
ZUR	V	05 10 30 33.4	46.88N	7.39E	21	2.0L		¶97v0772
ISC	**V**	**29 18 22 26**±1.7	**46.16N**±.052	**7.0E**±.27	**5**±19		**10**	**1-3**
LDG	V	29 18 22 27.7	46.1N	6.9E		2.2L		¶97v4910
ISC	**VI**	**01 09 36 10**±1.4	**46.16N**±.045	**7.7E**±.16	**0**		**13**	**1-3**
LDG	VI	01 09 36 12.7	46.2N	7.6E		2.1L		¶97vi0053
ISC	**VI**	**02 05 08 06.2**±.78	**46.57N**±.095	**9.60E**±.098	**12**±11		**8**	**0-1**
ZUR	VI	02 05 08 06.6	46.56N	9.58E	8	2.2L		¶97vi0185
ISC	**VI**	**21 16 47 26**±2.7	**46.16N**±.061	**7.8E**±.25	**2**±21		**12**	**1-3**
NEIC	VI	21 16 47 26.9	46.20N	7.96E	5			¶97vi3248
LDG	VI	21 16 47 27.6	46.1N	7.9E		2.2L		
NEIC	Single network solution.							
LDG	**VI**	**22 00 53 08.6**	**47.6N**	**7.5E**		**1.7L**		¶97vi3300
ISC	**VI**	**23 21 42 05**±9.3	**46.2N**±.21	**7.6E**±.79	**0**		**6**	**1-2**
LDG	VI	23 21 42 06.2	46.2N	7.7E		1.9L		¶97vi3594
ISC	**VI**	**24 01 17 35.5**±.26	**46.19N**±.019	**6.77E**±.038	**5**		**63**	**0-7**
NEIC	VI	24 01 17 35.6	46.16N	6.81E	5			¶97vi3615
ZUR	VI	24 01 17 36.4	46.13N	6.92E	1	2.3L		
LDG	VI	24 01 17 36.7	46.1N	6.9E		2.8L		
ISC	**VI**	**29 11 34 39.6**±.88	**46.47N**±.050	**7.82E**±.088	**0**±12		**15**	**0-3**
LDG	VI	29 11 34 39.4	46.5N	8.0E		2.3L		¶97vi4618
NEIC	VI	29 11 34 40.6	46.52N	7.93E	5			
NEIC	$M_{L2.5}$(STR)							

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ISC	**I**	**01 21 09 01**±2.4	**44.1N**±.25	**10.4E**±.25	**14**±14		**5**	**0-0**
ROM	I	01 21 09 01.4	44.1N	10.4E	10	1.8D		¶97i0120
ISC	Poorly determined							
ISC	**I**	**01 23 46 19**±1.0	**44.39N**±.086	**7.4E**±.21	**13**±13		**7**	**0-1**
NEIC	I	01 23 46 19.1	44.39N	7.38E	10			¶97i0140
NEIC	Single network solution.							
ISC	**I**	**02 02 58 22.2**±.90	**44.35N**±.086	**7.4E**±.17	**15**		**7**	**0-1**
NEIC	I	02 02 58 22.1	44.35N	7.40E	15			¶97i0154
NEIC	M_L1.9(GEN), Single network solution.							
ROM	**I**	**02 12 12 51.6**	**44.7N**	**10.6E**	**6**	**2.2D**		¶97i0204
ISC	**I**	**02 19 53 01.5**±.43	**44.13N**±.031	**7.40E**±.057	**14**±5.5		**24**	**0-2**
LDG	I	02 19 53 01.5	44.1N	7.4E	14	2.2L		¶97i0265
NEIC	I	02 19 53 01.6	44.12N	7.40E	10			
NEIC	$M_{L2.4}$(GEN).							
ISC	**I**	**03 05 21 04.7**±.74	**45.08N**±.054	**7.4E**±.11	**14**±9.6		**12**	**0-1**
NEIC	I	03 05 21 04.5	45.07N	7.39E	10			¶97i0327
NEIC	M_L2.3(GEN), Single network solution.							
ISC	**I**	**03 05 52 25.0**±.63	**44.34N**±.039	**9.93E**±.054	**10**±7.0		**41**	**0-5**
ROM	I	03 05 52 24.8	44.3N	9.9E	5	2.6D		¶97i0333
NEIC	I	03 05 52 25.5	44.25N	9.85E	10			
LDG	I	03 05 52 27.3	44.2N	9.9E	2	2.8L		
NEIC	$M_{L2.8}$(GEN)							
NEIC	ML 2.4 (VIE).							
ISC	**I**	**03 12 38 22**±2.1	**44.4N**±.17	**7.3E**±.24	**13**±22		**5**	**0-1**
NEIC	I	03 12 38 22.1	44.36N	7.33E	10			¶97i0371
ISC	Poorly determined							
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**I**	**03 22 12 25.0**±.90	**44.39N**±.067	**7.4E**±.12	**12**±10		**9**	**0-1**
NEIC	I	03 22 12 25.0	44.39N	7.37E	10			¶97i0437
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**I**	**04 20 06 02.6**±.69	**44.38N**±.069	**7.3E**±.11	**16**±8.5		**12**	**0-1**
NEIC	I	04 20 06 02.4	44.40N	7.34E	10			¶97i0579
NEIC	M_L2.2(GEN), Single network solution.							
ISC	**I**	**06 03 34 16**±1.1	**44.48N**±.079	**7.3E**±.17	**10**		**5**	**0-1**
NEIC	I	06 03 34 16.2	44.48N	7.33E	10			¶97i0742
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**I**	**06 04 26 17**±2.3	**44.3N**±.15	**7.3E**±.24	**19**±24		**7**	**0-1**
NEIC	I	06 04 26 17.3	44.33N	7.40E	10			¶97i0745
NEIC	M_L1.8(GEN), Single network solution.							
ISC	**I**	**06 04 28 09**±2.4	**44.3N**±.15	**7.3E**±.22	**20**±22		**8**	**0-1**
NEIC	I	06 04 28 09.4	44.33N	7.40E	10			¶97i0748
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**I**	**06 06 35 28**±1.4	**44.55N**±.080	**7.3E**±.21	**10**		**4**	**0-0**
NEIC	I	06 06 35 27.7	44.55N	7.27E	10			¶97i0756
ISC	Poorly determined							
NEIC	M_L1.6(GEN), Poor solution.							
ISC	**I**	**06 17 19 31.2**±.81	**44.01N**±.049	**7.57E**±.077	**11**±12		**12**	**0-1**
LDG	I	06 17 19 31.2	44.0N	7.7E	4	1.8L		¶97i0816
NEIC	I	06 17 19 31.4	44.02N	7.60E	10			
NEIC	$M_{L2.0}$(GEN)							
ISC	**I**	**07 13 37 02**±2.4	**44.1N**±.18	**7.4E**±.22	**13**±14		**6**	**0-0**
NEIC	I	07 13 37 01.9	44.10N	7.38E	10			¶97i0926
NEIC	M_L1.8(GEN), Single network solution.							
ISC	**I**	**07 14 50 06**±2.6	**44.1N**±.14	**8.3E**±.20	**11**±10		**9**	**0-1**
NEIC	I	07 14 50 06.0	44.06N	8.24E	10			¶97i0935
NEIC	M_L2.2(GEN), Single network solution.							
ISC	**I**	**07 14 50 43**±2.5	**44.1N**±.14	**8.2E**±.19	**10**±13		**7**	**0-1**
NEIC	I	07 14 50 42.8	44.06N	8.23E	10			¶97i0936
NEIC	M_L1.8(GEN), Single network solution.							
ROM	**I**	**08 01 22 55.3**	**44.5N**	**10.4E**	**17**	**2.2D**		¶97i1001
ROM	**I**	**08 10 26 23.3**	**44.8N**	**10.5E**	**5**	**2.3D**		¶97i1049
ISC	**I**	**08 16 19 05**±1.6	**44.45N**±.083	**7.2E**±.18	**18**±22		**11**	**0-1**
								¶97i1085

ISC	**I**	**08 21 32 48.1**±.51	**44.12N**±.038	**7.42E**±.061	**16**±11		**19**	**0-2**
NEIC	I	08 21 32 47.9	44.13N	7.41E	10			**¶97i1120**
LDG	I	08 21 32 48.5	44.1N	7.4E	11	2.3L		
NEIC	M_L2.2(GEN).							
ISC	**I**	**08 23 18 57**±1.5	**44.38N**±.090	**7.1E**±.18	**9**±9.0		**12**	**0-1**
NEIC	I	08 23 18 56.9	44.38N	7.12E	10			**¶97i1134**
NEIC	M_L2.2(GEN), Single network solution.							
ISC	**I**	**09 19 59 14**±1.3	**44.82N**±.060	**7.6E**±.13	**42**±35		**13**	**0-1**
								¶97i1271
ISC	**I**	**10 02 11 53.5**±.50	**44.59N**±.038	**7.20E**±.088	**14**±7.9		**18**	**0-1**
NEIC	I	10 02 11 53.7	44.60N	7.27E	10			**¶97i1296**
LDG	I	10 02 11 54.2	44.6N	7.2E	16	1.8L		
NEIC	M_L2.1(GEN)							
ISC	**I**	**10 06 08 06**±2.0	**44.4N**±.17	**7.4E**±.25	**10**		**4**	**0-0**
NEIC	I	10 06 08 06.2	44.37N	7.36E	10			**¶97i1322**
ISC	Poorly determined							
NEIC	M_L1.5(GEN), Poor solution.							
ISC	**I**	**10 12 30 10**±2.1	**44.3N**±.10	**7.4E**±.13	**5**±57		**8**	**0-1**
NEIC	I	10 12 30 09.9	44.30N	7.42E	10			**¶97i1362**
NEIC	M_L1.9(GEN), Single network solution.							
ROM	**I**	**11 18 04 36.4**	**44.3N**	**10.8E**	**10**	**2.2D**		**¶97i1555**
ISC	**I**	**13 22 18 09**±12	**44.07N**±.098	**8.2E**±.91	**3**		**9**	**1-2**
LDG	I	13 22 18 16.9	44.0N	7.6E	3	1.9L		**¶97i1901**
ISC	**I**	**13 23 09 55**±1.1	**44.43N**±.048	**7.2E**±.17	**13**±19		**9**	**0-2**
NEIC	I	13 23 09 55.6	44.44N	7.35E	10			**¶97i1911**
LDG	I	13 23 09 56.4	44.4N	7.3E	3	2.0L		
NEIC	M_L2.0(LDG), Single network solution.							
ISC	**I**	**13 23 55 57.7**±.34	**44.08N**±.033	**10.51E**±.039	**5**		**51**	**0-6**
NEIC	I	13 23 55 56.2	43.97N	10.68E	10			**¶97i1915**
ROM	I	13 23 55 58.5	44.1N	10.6E	5	3.1D		
STR	I	13 23 55 59.3	44.00N	10.60E	10	3.1L		
LDG	I	13 23 55 59.3	44.0N	10.6E		3.0L		
NEIC	M_L3.1(THE)							
NEIC	ML 2.9 (VIE).							
ROM	**I**	**15 04 14 48.9**	**44.6N**	**9.6E**	**24**	**2.1D**		**¶97i2094**
ISC	**I**	**18 16 03 22.1**±.38	**46.40N**±.035	**10.38E**±.043	**10**		**44**	**0-5**
ZUR	I	18 16 03 21.7	46.37N	10.30E	10	2.4L		**¶97i2684**
ROM	I	18 16 03 21.8	46.3N	10.4E	5	2.6D		
LDG	I	18 16 03 21.9	46.5N	10.9E	15	2.6L		
NEIC	I	18 16 03 22.8	46.42N	10.30E	10			
STR	I	18 16 03 27.9	46.58N	10.07E	10	3.1L		
NEIC	ML 2.3 (VIE).							
ISC	**I**	**19 13 33 21**±1.6	**44.1N**±.13	**12.0E**±.11	**10**±19		**6**	**0-3**
ROM	I	19 13 33 21.3	44.1N	12.0E	5	2.5D		**¶97i2848**
ISC	**I**	**20 01 55 30.2**±.75	**44.70N**±.064	**8.90E**±.080	**10**		**12**	**1-2**
NEIC	I	20 01 55 29.5	44.76N	9.27E	10			**¶97i2924**
LDG	I	20 01 55 29.9	44.8N	9.1E	2	2.3L		
ROM	I	20 01 55 30.9	44.8N	9.2E	10	2.6D		
NEIC	Poor solution.							
ROM	**I**	**20 16 07 51.1**	**44.3N**	**10.8E**	**5**	**2.6D**		**¶97i3035**
ROM	**I**	**21 02 34 50.2**	**44.9N**	**10.7E**	**43**	**2.1D**		**¶97i3125**
ISC	**I**	**21 22 32 48.5**±.47	**46.78N**±.055	**10.44E**±.055	**5**		**20**	**0-3**
NEIC	I	21 22 32 47.7	46.64N	10.49E	5			**¶97i3242**
ZUR	I	21 22 32 48.4	46.67N	10.40E	6	2.3L		
ROM	I	21 22 32 50.9	46.6N	10.5E	9	2.6D		
NEIC	M_L2.8(FUR), M_L2.2(VIE).							
ISC	**I**	**22 07 14 55.9**±.44	**45.04N**±.032	**9.12E**±.055	**4**		**41**	**0-5**
ROM	I	22 07 14 55.5	45.0N	9.1E	4	2.8D		**¶97i3288**
NEIC	I	22 07 14 56.4	45.01N	9.11E	10			
LDG	I	22 07 14 56.8	45.0N	9.3E	2	2.9L		
NEIC	M_L2.4(VIE).							
ISC	**I**	**23 03 24 56**±1.2	**44.07N**±.048	**7.7E**±.11	**10**		**12**	**0-2**
LDG	I	23 03 24 57.0	44.0N	7.7E	2	2.1L		**¶97i3430**
NEIC	I	23 03 24 57.0	44.00N	7.75E	10			
NEIC	Single network solution.							
ROM	**I**	**25 02 47 56.6**	**44.8N**	**10.8E**	**16**	**2.1D**		**¶97i3725**
ISC	**I**	**25 23 33 04.0**±.77	**44.48N**±.043	**7.1E**±.12	**5**		**12**	**0-1**
NEIC	I	25 23 33 04.2	44.48N	7.16E	5			**¶97i3856**
LDG	I	25 23 33 04.7	44.5N	7.1E	2	2.0L		
NEIC	Single network solution.							
ISC	**I**	**26 11 31 59**±1.0	**44.07N**±.044	**7.7E**±.11	**8**±10		**18**	**0-2**
NEIC	I	26 11 31 59.3	44.01N	7.77E	5			**¶97i3938**
LDG	I	26 11 31 59.8	44.0N	7.7E	2	2.4L		
NEIC	Single network solution.							
ISC	**I**	**28 07 26 29.8**±.63	**45.00N**±.039	**10.9E**±.11	**7**		**13**	**1-2**
ROM	I	28 07 26 32.0	44.8N	10.7E	7	2.7D		**¶97i4177**
ISC	**I**	**28 10 40 09.0**±.70	**44.38N**±.060	**7.4E**±.10	**10**		**10**	**0-1**
NEIC	I	28 10 40 08.9	44.38N	7.35E	10			**¶97i4200**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**I**	**28 15 02 06**±4.5	**45.9N**±.19	**13.8E**±.43	**15**		**5**	**0-1**
LJU	I	28 15 02 06.9	45.9N	13.9E	15			**¶97i4219**
ROM	**I**	**29 18 50 32.7**	**44.4N**	**10.7E**	**14**	**2.0D**		**¶97i4388**
ISC	**I**	**30 12 16 27.5**±.67	**44.78N**±.054	**10.8E**±.10	**6**		**12**	**1-3**
ROM	I	30 12 16 27.8	44.8N	10.8E	6	2.7D		**¶97i4483**
ISC	**II**	**01 16 20 15.4**±.50	**44.02N**±.039	**7.65E**±.052	**13**±6.1		**19**	**0-2**
ROM	II	01 16 20 15.5	44.0N	7.7E	10	2.0D		**¶97ii0102**
LDG	II	01 16 20 15.5	44.0N	7.7E	2	2.2L		
NEIC	II	01 16 20 15.7	44.03N	7.69E	10			
NEIC	M_L2.2(GEN).							
ROM	**II**	**01 20 16 52.3**	**44.1N**	**10.7E**	**20**	**2.0D**		**¶97ii0116**
ISC	**II**	**01 21 37 15.0**±.64	**44.06N**±.064	**10.72E**±.064	**16**±7.7		**20**	**0-5**
ROM	II	01 21 37 14.3	44.1N	10.8E	5	2.5D		**¶97ii0127**
LDG	II	01 21 37 16.8	44.0N	10.6E	2	2.3L		
ROM	**II**	**01 22 28 26.5**	**44.1N**	**10.7E**	**20**	**2.0D**		**¶97ii0132**
ROM	**II**	**02 00 10 22.6**	**44.1N**	**10.7E**	**19**	**1.7D**		**¶97ii0146**
ISC	**II**	**02 08 11 41**±1.2	**44.7N**±.11	**9.4E**±.12	**4**±18		**5**	**0-2**
ROM	II	02 08 11 40.6	44.6N	9.4E	5	2.2D		**¶97ii0195**
ISC	Poorly determined							
ISC	**II**	**03 08 03 42.0**±.62	**44.15N**±.032	**9.70E**±.032	**9**±5.4		**79**	**0-6**
ROM	II	03 08 03 41.7	44.2N	9.7E	5	3.0D		**¶97ii0340**
LDG	II	03 08 03 44.2	44.2N	9.6E	2	3.4L		
STR	II	03 08 03 47.2	44.02N	9.36E	5	3.3L		
ISC	**II**	**03 08 50 42.4**±.62	**44.22N**±.050	**9.72E**±.044	**9**±6.1		**43**	**0-3**
ROM	II	03 08 50 42.6	44.3N	9.7E	10	2.6D		**¶97ii0350**
LDG	II	03 08 50 44.8	44.1N	9.7E	2	2.9L		
ISC	**II**	**05 01 07 08.2**±.70	**44.64N**±.037	**9.35E**±.050	**10**±6.5		**35**	**0-5**
ROM	II	05 01 07 07.8	44.6N	9.3E	5	2.5D		**¶97ii0616**
NEIC	II	05 01 07 08.4	44.63N	9.35E	10			
LDG	II	05 01 07 09.1	44.6N	9.4E	2	2.5L		
NEIC	M_L2.7(GEN), Single network solution.							
ISC	**II**	**05 06 48 50**±1.3	**44.7N**±.19	**9.4E**±.12	**5**		**4**	**0-2**
ROM	II	05 06 48 49.4	44.7N	9.4E	5	2.4D		**¶97ii0649**
ISC	Poorly determined							
ISC	**II**	**05 12 28 57.7**±.98	**44.51N**±.078	**8.65E**±.099	**8**±8.0		**13**	**0-1**
ROM	II	05 12 28 57.6	44.5N	8.6E	14	1.9D		**¶97ii0688**
ISC	**II**	**06 04 46 06**±5.8	**45.9N**±.11	**7.4E**±.54	**2**		**7**	**1-3**
LDG	II	06 04 46 08.3	45.8N	7.2E	2	1.8L		**¶97ii0797**
ISC	Poorly determined							
ISC	**II**	**07 06 34 46.8**±.45	**44.36N**±.034	**7.25E**±.057	**10**		**19**	**0-1**
LDG	II	07 06 34 47.4	44.4N	7.3E	2	1.8L		**¶97ii0956**
NEIC	II	07 06 34 47.4	44.38N	7.34E	10			
NEIC	M_L2.1(GEN), Single network solution.							
ROM	**II**	**08 15 15 08.1**	**44.8N**	**10.4E**	**5**	**1.9D**		**¶97ii1159**
ROM	**II**	**09 11 56 13.3**	**44.1N**	**10.2E**	**10**	**2.0D**		**¶97ii1302**
ISC	**II**	**10 10 08 05**±2.6	**44.27N**±.090	**7.4E**±.27	**2**		**6**	**0-1**
LDG	II	10 10 08 04.4	44.3N	7.5E	2	2.0L		**¶97ii1441**
ISC	**II**	**10 13 23 51**±1.9	**44.4N**±.12	**7.3E**±.25	**16**±37		**7**	**0-1**
NEIC	II	10 13 23 50.8	44.40N	7.36E	10			**¶97ii1470**
NEIC	M_L1.8(GEN), Single network solution.							
ISC	**II**	**10 23 34 08**±1.3	**44.24N**±.098	**12.2E**±.12	**27**±13		**8**	**0-2**
ROM	II	10 23 34 08.5	44.2N	12.2E	16	2.6D		**¶97ii1555**
ROM	**II**	**11 02 23 47.7**	**44.8N**	**10.8E**	**10**	**2.1D**		**¶97ii1571**
ISC	**II**	**11 21 38 55**±1.2	**44.61N**±.061	**9.4E**±.12	**6**±14		**18**	**0-4**
LDG	II	11 21 38 55.4	44.5N	9.5E	2	2.3L		**¶97ii1676**
ROM	II	11 21 38 55.6	44.7N	9.4E	5	2.2D		
ISC	**II**	**12 13 32 58**±1.1	**44.7N**±.11	**9.4E**±.11	**10**		**5**	**0-2**
ROM	II	12 13 32 57.7	44.7N	9.3E	10	2.1D		**¶97ii1766**
ISC	**II**	**13 00 43 54**±6.0	**44.08N**±.072	**7.6E**±.56	**2**		**6**	**0-1**
LDG	II	13 00 43 55.7	44.1N	7.5E	2	1.8L		**¶97ii1846**
ROM	**II**	**13 11 12 20.2**	**44.7N**	**10.7E**	**10**	**2.2D**		**¶97ii1908**
ISC	**II**	**13 18 36 00.6**±.52	**44.34N**±.038	**7.25E**±.059	**5**		**18**	**0-1**
NEIC	II	13 18 36 00.7	44.37N	7.30E	5			**¶97ii1959**
LDG	II	13 18 36 01.1	44.3N	7.3E	2	1.8L		
NEIC	M_L2.0(GEN)							
ISC	**II**	**14 14 12 23**±1.4	**44.3N**±.14	**7.3E**±.20	**10**		**4**	**0-0**
NEIC	II	14 14 12 22.5	44.34N	7.27E	10			**¶97ii2062**
ISC	Poorly determined							
NEIC	M_L1.6(GEN), Poor solution.							
LDG	**II**	**14 21 17 21.1**	**44.0N**	**7.6E**	**2**	**1.4L**		**¶97ii2115**
ISC	**II**	**15 01 40 00**±2.1	**44.0N**±.11	**7.4E**±.11	**7**±22		**6**	**0-1**
NEIC	II	15 01 39 59.8	43.99N	7.44E	5			**¶97ii2155**
NEIC	M_L1.7(GEN), M_L1.0(STR).							
ISC	**II**	**15 05 51 56**±4.2	**44.3N**±.30	**7.3E**±.43	**17**±46		**5**	**0-0**
NEIC	II	15 05 51 56.3	44.37N	7.35E	5			**¶97ii2181**
ISC	Poorly determined							
NEIC	M_L1.6(GEN), Single network solution.							
ISC	**II**	**15 15 23 32.0**±.77	**44.63N**±.050	**9.39E**±.068	**11**±7.4		**30**	**0-4**
LDG	II	15 15 23 31.0	44.5N	9.6E	2	2.4L		**¶97ii2256**
ROM	II	15 15 23 31.5	44.6N	9.4E	3	2.2D		
NEIC	II	15 15 23 31.5	44.58N	9.42E	10			
NEIC	M_L2.8(GEN)							
ISC	**II**	**17 05 25 01.1**±.46	**44.38N**±.031	**7.26E**±.060	**10**		**22**	**0-1**
NEIC	II	17 05 25 01.4	44.38N	7.31E	10			**¶97ii2456**
LDG	II	17 05 25 02.0	44.4N	7.3E	2	1.6L		
NEIC	M_L2.0(GEN)							
NEIC	ML 1.4 (STR).							
ISC	**II**	**17 05 26 07**±1.4	**44.4N**±.15	**7.3E**±.28	**14**±14		**6**	**0-1**
NEIC	II	17 05 26 07.3	44.38N	7.30E	10			**¶97ii2457**
NEIC	M_L1.8(GEN), Single network solution.							
NEIC	**II**	**17 06 04 55.9**	**44.08N**	**7.88E**	**5**			**0-1**
LDG	II	17 06 05 00.0	44.0N	7.6E	2	1.6L		**¶97ii2460**
NEIC	M_L1.2(STR), Poor solution.							
ISC	**II**	**17 14 28 52**±2.6	**44.4N**±.17	**7.3E**±.37	**14**±57		**7**	**0-1**
NEIC	II	17 14 28 51.8	44.40N	7.31E	10			**¶97ii2502**
NEIC	M_L1.9(GEN), Single network solution.							
ISC	**II**	**17 19 04 45**±4.3	**44.5N**±.11	**7.2E**±.43	**22**±40		**7**	**0-1**
NEIC	II	17 19 04 45.6	44.48N	7.27E	10			**¶97ii2530**
NEIC	M_L1.8(GEN), Single network solution.							
ISC	**II**	**18 14 45 00**±5.9	**44.9N**±.11	**9.1E**±.60	**16**±17		**11**	**1-1**
NEIC	II	18 14 44 58.8	44.85N	9.17E	10			**¶97ii2654**
NEIC	M_L2.1(GEN), Single network solution.							
ISC	**II**	**18 15 39 13**±1.0	**44.82N**±.086	**9.1E**±.12	**19**±13		**13**	**0-1**
NEIC	II	18 15 39 11.9	44.83N	9.08E	10			**¶97ii2664**
NEIC	M_L2.1(GEN), Single network solution.							
ISC	**II**	**18 21 39 25.4**±.35	**44.44N**±.022	**7.32E**±.038	**10**±3.8		**50**	**0-4**
NEIC	II	18 21 39 25.5	44.44N	7.34E	10			**¶97ii2694**
ROM	II	18 21 39 25.9	44.5N	7.4E	11	2.5D		
STR	II	18 21 39 25.9	44.42N	7.33E	10	3.0L		
LDG	II	18 21 39 27.1	44.4N	7.3E	2	2.9L		
ISC	**II**	**18 21 42 38.5**±.18	**44.54N**±.020	**10.15E**±.021	**78**±5.3	**3.2b**	**190**	**0-70**
EIDC	II	18 21 42 38.2	44.4N	10.2E	47	4.1L,3.1b		**¶97ii2695**
LDG	II	18 21 42 38.7	44.5N	10.1E	2	4.2L		
NEIC	II	18 21 42 38.9	44.57N	10.11E	50			
SZGRF	II	18 21 42 39.2	44.71N	10.05E	10	4.1L		
ROM	II	18 21 42 40.1	44.6N	10.1E	50	3.9D		
STR	II	18 21 42 40.3	44.61N	9.94E	21	4.3L		
NEIC	M_D3.6(ROM).							
ISC	**II**	**18 22 28 56**±1.9	**44.5N**±.18	**10.1E**±.23	**33**		**6**	**0-1**
								¶97ii2697
LJU	**II**	**20 13 17 20.0**	**45.6N**	**13.8E**	**0**			**¶97ii2932**
ISC	**II**	**20 14 50 20.1**±.86	**44.36N**±.052	**7.3E**±.10	**18**±17		**14**	**0-1**
NEIC	II	20 14 50 20.0	44.36N	7.26E	15			**¶97ii2944**
NEIC	M_L2.1(GEN), M_L1.6(STR).							
ISC	**II**	**21 01 51 11**±1.7	**44.3N**±.21	**7.8E**±.14	**33**		**6**	**0-0**
NEIC	II	21 01 51 13.1	44.26N	7.76E	5			**¶97ii3000**
NEIC	M_L1.7(GEN), Single network solution.							
ROM	**II**	**21 18 28 13.4**	**44.2N**	**11.8E**	**14**	**2.2D**		**¶97ii3106**
ISC	**II**	**22 11 58 15**±2.1	**44.2N**±.20	**10.93E**±.089	**5**		**5**	**0-1**
ROM	II	22 11 58 14.0	44.2N	11.0E	5	2.4D		**¶97ii3199**
ROM	**II**	**22 22 09 56.6**	**44.1N**	**11.8E**	**16**	**2.2D**		**¶97ii3258**
ROM	**II**	**22 23 29 57.3**	**44.0N**	**12.0E**	**10**	**2.1D**		**¶97ii3266**
ISC	**II**	**23 05 19 17.5**±.43	**44.34N**±.032	**7.20E**±.058	**15**		**22**	**0-2**
LDG	II	23 05 19 17.8	44.4N	7.3E	2	1.8L		**¶97ii3298**
NEIC	II	23 05 19 18.0	44.36N	7.29E	15			
NEIC	M_L2.2(GEN)							
ISC	**II**	**23 08 32 48**±4.9	**44.0N**±.34	**12.1E**±.14	**5**		**4**	**0-1**
ROM	II	23 08 32 45.9	44.1N	12.1E	5	2.4D		**¶97ii3309**
ISC	Poorly determined							
ISC	**II**	**23 10 47 49.2**±.57	**44.19N**±.041	**12.20E**±.086	**6**		**13**	**0-3**
ROM	II	23 10 47 49.4	44.1N	12.2E	6	3.0D		**¶97ii3320**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ROM	**II**	**23 12 51 18.5**	**44.1N**	**11.8E**	**14**	**2.4D**		**¶97ii3331**
ISC	**II**	**24 00 22 06.7**±.79	**44.64N**±.048	**9.41E**±.085	**12**±7.3		**30**	**0-5**
NEIC	II	24 00 22 06.0	44.63N	9.45E	10			**¶97ii3391**
LDG	II	24 00 22 06.8	44.6N	9.5E	2	2.2L		
ROM	II	24 00 22 07.0	44.6N	9.4E	5	2.2D		
NEIC	M_L2.4(GEN)							
ISC	**II**	**24 08 34 45**±3.4	**44.3N**±.11	**7.4E**±.36	**5**		**4**	**0-1**
NEIC	II	24 08 34 44.1	44.34N	7.58E	5			**¶97ii3448**
LDG	II	24 08 34 44.8	44.3N	7.6E	2	2.1L		
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**II**	**26 04 28 30.2**±.67	**44.64N**±.032	**9.37E**±.040	**7**±6.4		**41**	**0-5**
ROM	II	26 04 28 29.9	44.7N	9.4E	4	2.8D		**¶97ii3741**
NEIC	II	26 04 28 30.2	44.63N	9.34E	5			
NEIC	M_L2.8(GEN).							
ISC	**II**	**26 08 19 06.0**±.67	**44.61N**±.025	**9.32E**±.030	**4**±5.9		**82**	**0-6**
NEIC	II	26 08 19 06.0	44.61N	9.32E	5			**¶97ii3766**
ROM	II	26 08 19 06.2	44.6N	9.3E	5	3.3D		
LDG	II	26 08 19 06.7	44.6N	9.5E	2	3.2L		
STR	II	26 08 19 08.3	44.67N	9.12E	2	3.6L		
NEIC	M_L3.2(GEN)							
NEIC	ML 3.1 (VIE).							
ISC	**II**	**26 18 04 07.2**±.86	**44.1N**±.11	**10.89E**±.067	**10**		**9**	**0-1**
ROM	II	26 18 04 06.8	44.1N	10.9E	10	2.6D		**¶97ii3836**
ISC	**II**	**27 03 59 52**±2.5	**44.3N**±.16	**7.3E**±.29	**17**±25		**7**	**0-1**
NEIC	II	27 03 59 52.5	44.34N	7.32E	10			**¶97ii3902**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**II**	**27 14 59 17.9**±.29	**44.62N**±.025	**9.31E**±.032	**2**		**68**	**0-5**
LDG	II	27 14 59 17.9	44.6N	9.6E	2	3.3L		**¶97ii3975**
NEIC	II	27 14 59 18.0	44.59N	9.32E	5			
ROM	II	27 14 59 18.7	44.7N	9.3E	5	3.1D		
STR	II	27 14 59 24.0	45.05N	8.20E	2	3.2L		
NEIC	ML 3.0 (VIE), 2.9 (GEN).							
ISC	**II**	**28 08 05 07**±2.9	**44.3N**±.10	**7.4E**±.32	**2**		**5**	**0-1**
LDG	II	28 08 05 05.8	44.3N	7.6E	2	2.3L		**¶97ii4176**
ISC	Poorly determined							
ISC	**II**	**28 09 57 06.4**±.51	**44.78N**±.034	**10.65E**±.059	**5**		**41**	**1-4**
ROM	II	28 09 57 07.0	44.7N	10.7E	5	2.9D		**¶97ii4206**
LDG	II	28 09 57 07.2	44.8N	10.8E	2	3.0L		
NEIC	II	28 09 57 07.2	44.79N	10.52E	5			
NEIC	M_L2.9(VIE).							
ISC	**II**	**28 20 32 12**±1.1	**44.39N**±.079	**7.4E**±.18	**10**		**5**	**0-0**
NEIC	II	28 20 32 11.9	44.39N	7.39E	10			**¶97ii4331**
NEIC	M_L1.8(GEN), Less reliable solution.							
ISC	**III**	**01 01 22 14**±1.5	**44.76N**±.036	**10.61E**±.060	**12**±14		**33**	**1-5**
LDG	III	01 01 22 12.5	44.8N	10.9E	2	2.8L		**¶97iii0013**
NEIC	III	01 01 22 13.7	44.80N	10.57E	10			
ROM	III	01 01 22 13.8	44.8N	10.7E	3	2.8D		
NEIC	M_L2.8(VIE).							
ISC	**III**	**01 06 19 28**±1.9	**44.38N**±.060	**7.4E**±.24	**2**		**7**	**1-1**
LDG	III	01 06 19 28.8	44.4N	7.4E	2	1.9L		**¶97iii0061**
ISC	**III**	**01 08 30 25.1**±.86	**44.63N**±.048	**9.35E**±.062	**6**±8.7		**28**	**0-8**
NEIC	III	01 08 30 24.1	44.61N	9.48E	10			**¶97iii0075**
ROM	III	01 08 30 25.5	44.6N	9.4E	5	2.4D		
LDG	III	01 08 30 25.9	44.6N	9.5E	2	2.3L		
NEIC	M_L2.4(GEN)							
ROM	**III**	**01 18 00 55.9**	**44.1N**	**12.1E**	**10**	**2.2D**		**¶97iii0157**
ISC	**III**	**01 23 01 02**±1.4	**44.82N**±.027	**10.63E**±.036	**7**±12		**83**	**1-6**
LDG	III	01 23 01 01.8	44.8N	10.8E	2	3.1L		**¶97iii0206**
NEIC	III	01 23 01 01.9	44.82N	10.63E	10			
ROM	III	01 23 01 02.9	44.8N	10.6E	10	3.1D		
STR	III	01 23 01 05.6	45.06N	10.46E	10	3.1L		
NEIC	ML 3.0(VIE), M_L3.1(FUR).							
ISC	**III**	**02 01 58 55.4**±.74	**44.64N**±.038	**9.33E**±.048	**7**±6.9		**37**	**0-5**
ROM	III	02 01 58 55.2	44.7N	9.3E	5	2.6D		**¶97iii0225**
NEIC	III	02 01 58 55.3	44.63N	9.35E	10			
LDG	III	02 01 58 56.3	44.6N	9.4E	2	2.5L		
NEIC	M_L2.6(GEN)							
ISC	**III**	**02 16 24 50.4**±.36	**44.79N**±.023	**7.59E**±.040	**19**±5.3		**61**	**0-4**
LDG	III	02 16 24 49.6	44.8N	7.7E	2	3.0L		**¶97iii0351**
NEIC	III	02 16 24 49.9	44.81N	7.64E	20			
ROM	III	02 16 24 50.3	44.8N	7.6E	11	2.8D		
NEIC	M_L3.0(GEN), ML 2.6 (STR)							
ISC	**III**	**03 02 39 23**±3.1	**44.3N**±.24	**10.3E**±.14	**10**		**5**	**0-1**
ROM	III	03 02 39 23.6	44.2N	10.3E	10	2.1D		**¶97iii0453**
ISC	**III**	**03 04 08 56.1**±.77	**44.67N**±.074	**9.38E**±.088	**5**		**9**	**0-2**
ROM	III	03 04 08 56.3	44.7N	9.4E	5	2.5D		**¶97iii0474**
ISC	**III**	**03 07 21 47.3**±.46	**44.62N**±.039	**9.33E**±.047	**5**		**39**	**0-4**
NEIC	III	03 07 21 47.0	44.59N	9.35E	5			**¶97iii0509**
ROM	III	03 07 21 47.5	44.7N	9.3E	5	2.7D		
NEIC	M_L2.7(GEN), ML 2.4 (STR)							
ISC	**III**	**05 03 28 35.1**±.70	**44.61N**±.027	**9.29E**±.035	**3**±6.5		**69**	**0-5**
NEIC	III	05 03 28 35.0	44.60N	9.31E	5			**¶97iii0972**
ROM	III	05 03 28 35.6	44.7N	9.3E	5	2.8D		
STR	III	05 03 28 36.0	44.65N	9.35E	2	3.5L		
LDG	III	05 03 28 36.6	44.5N	9.4E	2	2.6L		
NEIC	M_L2.9(GEN), ML 2.4 (VIE)							
ISC	**III**	**05 04 39 33**±12	**44.6N**±.60	**10.7E**±.48	**7**		**5**	**0-1**
ROM	III	05 04 39 37.2	44.3N	10.5E	7	2.4D		**¶97iii0982**
ISC	**III**	**06 01 29 17**±2.8	**45.02N**±.084	**7.3E**±.33	**18**±33		**5**	**0-1**
NEIC	III	06 01 29 17.7	45.02N	7.25E	10			**¶97iii1161**
ISC	Poorly determined							
NEIC	M_L1.6(GEN), Single network solution.							
ISC	**III**	**06 02 16 23**±1.4	**44.19N**±.069	**12.23E**±.088	**6**±16		**13**	**0-4**
ROM	III	06 02 16 22.9	44.1N	12.2E	5	2.7D		**¶97iii1168**
ROM	**III**	**07 16 39 11.6**	**44.5N**	**10.4E**	**23**	**2.2D**		**¶97iii1549**
ISC	**III**	**08 00 25 53**±8.6	**44.5N**±.54	**10.2E**±.18	**10**		**5**	**0-1**
ROM	III	08 00 25 55.4	44.3N	10.2E	10	2.1D		**¶97iii1628**
ISC	**III**	**08 01 38 04**±1.9	**44.1N**±.15	**12.14E**±.096	**9**±13		**8**	**0-1**
ROM	III	08 01 38 02.9	44.1N	12.2E	9	2.6D		**¶97iii1637**
ISC	**III**	**08 15 24 11.1**±.40	**46.40N**±.034	**12.65E**±.043	**10**		**46**	**0-5**
LJU	III	08 15 24 09.0	46.3N	12.5E	7			**¶97iii1780**
ROM	III	08 15 24 09.9	46.3N	12.7E	5	3.1D		
NEIC	III	08 15 24 12.0	46.41N	12.70E	10			
SZGRF	III	08 15 24 14.4	46.39N	12.63E	10	3.2L		
NEIC	ML 3.0 (FUR), M_L3.1(VIE).							
ISC	**III**	**09 00 35 46.5**±.34	**44.34N**±.032	**10.04E**±.037	**10**		**62**	**0-6**
ROM	III	09 00 35 45.9	44.3N	10.1E	5	2.8D		**¶97iii1872**
NEIC	III	09 00 35 46.0	44.35N	10.08E	10			
LDG	III	09 00 35 47.5	44.3N	10.1E	2	2.8L		
STR	III	09 00 35 53.8	44.03N	9.52E	10	3.4L		
NEIC	ML 2.8 (GEN).							
ISC	**III**	**09 04 03 39.6**±.88	**46.13N**±.061	**12.24E**±.080	**10**		**11**	**0-3**
ROM	III	09 04 03 39.5	46.1N	12.3E	10	2.2D		**¶97iii1900**
NEIC	III	09 04 03 41.1	46.13N	12.27E	10			
NEIC	M_L2.0(VIE), Poor solution.							
ISC	**III**	**09 18 53 30**±2.1	**44.3N**±.19	**7.2E**±.27	**10**		**4**	**0-0**
NEIC	III	09 18 53 29.7	44.31N	7.22E	10			**¶97iii2057**
ISC	Poorly determined							
NEIC	M_L1.2(GEN), Poor solution.							
ISC	**III**	**09 18 54 03**±1.5	**44.3N**±.10	**7.3E**±.20	**15**±23		**9**	**0-1**
NEIC	III	09 18 54 03.4	44.35N	7.33E	10			**¶97iii2058**
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**III**	**09 18 54 10.2**±.61	**44.35N**±.043	**7.29E**±.066	**10**		**15**	**0-1**
NEIC	III	09 18 54 10.2	44.38N	7.35E	10			**¶97iii2059**
LDG	III	09 18 54 10.9	44.3N	7.3E	2	1.9L		
NEIC	M_L2.1(GEN)							
ISC	**III**	**09 18 56 04**±1.6	**44.3N**±.13	**7.2E**±.27	**15**±9.7		**7**	**0-1**
NEIC	III	09 18 56 04.1	44.34N	7.27E	10			**¶97iii2061**
NEIC	M_L1.6(GEN), Single network solution.							
ISC	**III**	**09 18 56 46**±1.3	**44.3N**±.13	**7.3E**±.18	**10**		**4**	**0-0**
NEIC	III	09 18 56 45.7	44.34N	7.29E	10			**¶97iii2063**
ISC	Poorly determined							
NEIC	M_L1.4(GEN), Single network solution.							
ISC	**III**	**09 19 07 07.5**±.35	**44.37N**±.022	**7.28E**±.039	**2**		**35**	**0-2**
LDG	III	09 19 07 07.0	44.4N	7.4E	2	2.2L		**¶97iii2067**
NEIC	III	09 19 07 07.8	44.37N	7.34E	10			
NEIC	M_L2.6(GEN), ML 2.0 (STR)							
ISC	**III**	**11 03 28 59**±2.4	**44.6N**±.16	**10.1E**±.18	**3**±19		**7**	**0-1**
ROM	III	11 03 28 59.3	44.6N	10.0E	10	2.0D		**¶97iii2300**
ISC	**III**	**11 04 02 15.1**±.43	**44.49N**±.030	**7.28E**±.065	**15**±6.3		**28**	**0-2**
NEIC	III	11 04 02 15.2	44.51N	7.34E	10			**¶97iii2306**
LDG	III	11 04 02 16.0	44.5N	7.3E	2	1.9L		
NEIC	M_L2.5(GEN)							
ISC	**III**	**11 13 09 48**±1.5	**44.38N**±.086	**7.3E**±.16	**17**±22		**11**	**0-1**
NEIC	III	11 13 09 47.7	44.40N	7.30E	10			**¶97iii2379**
NEIC	M_L2.1(GEN), Single network solution.							
ISC	**III**	**11 14 02 46**±1.3	**44.36N**±.080	**7.3E**±.14	**18**±22		**12**	**0-1**
NEIC	III	11 14 02 46.4	44.39N	7.35E	10			**¶97iii2389**
NEIC	M_L2.4(GEN), Single network solution.							
ISC	**III**	**11 20 21 30**±3.4	**44.3N**±.25	**10.3E**±.15	**10**		**5**	**0-1**
ROM	III	11 20 21 31.8	44.2N	10.4E	10	1.9D		**¶97iii2442**
ISC	**III**	**11 20 57 35.0**±.63	**44.12N**±.052	**10.20E**±.054	**6**±5.8		**27**	**0-6**
ROM	III	11 20 57 34.2	44.2N	10.3E	5	2.5D		**¶97iii2445**
NEIC	III	11 20 57 35.0	44.10N	10.23E	10			
LDG	III	11 20 57 38.6	44.1N	10.1E	2	2.5L		
NEIC	ML 2.1 (GEN), M_L2.4(VIE).							
ISC	**III**	**12 04 13 05**±1.4	**44.26N**±.075	**7.5E**±.11	**7**±25		**9**	**0-1**
NEIC	III	12 04 13 04.9	44.26N	7.47E	5			**¶97iii2477**
NEIC	M_L2.1(GEN), Single network solution.							
ISC	**III**	**12 23 26 49**±1.2	**44.84N**±.086	**7.2E**±.14	**5**		**4**	**0-0**
NEIC	III	12 23 26 49.1	44.84N	7.19E	5			**¶97iii2604**
ISC	Poorly determined							
NEIC	M_L1.4(GEN), Poor solution.							
ISC	**III**	**13 12 59 53**±1.5	**44.3N**±.10	**7.3E**±.17	**20**±19		**10**	**0-1**
NEIC	III	13 12 59 52.9	44.35N	7.31E	15			**¶97iii2707**
NEIC	M_L2.1(GEN), Single network solution.							
ISC	**III**	**13 13 09 49**±2.0	**44.1N**±.13	**10.0E**±.17	**10**		**5**	**0-1**
ROM	III	13 13 09 47.8	44.0N	9.9E	10	2.0D		**¶97iii2710**
ISC	**III**	**13 21 22 38.0**±.91	**44.17N**±.084	**7.57E**±.097	**5**		**6**	**0-0**
NEIC	III	13 21 22 38.0	44.17N	7.57E	5			**¶97iii2769**
NEIC	M_L1.9(GEN), Single network solution.							
ISC	**III**	**14 01 43 45**±1.6	**44.4N**±.16	**7.3E**±.24	**10**		**5**	**0-1**
NEIC	III	14 01 43 45.1	44.36N	7.34E	10			**¶97iii2796**
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**III**	**14 03 31 30.7**±.88	**44.50N**±.062	**7.34E**±.095	**5**		**9**	**0-1**
NEIC	III	14 03 31 30.6	44.50N	7.34E	5			**¶97iii2806**
NEIC	M_L1.8(GEN), Single network solution.							
ISC	**III**	**14 15 56 29.7**±.85	**44.27N**±.046	**7.45E**±.090	**5**		**9**	**0-1**
LDG	III	14 15 56 29.0	44.3N	7.7E	2	2.4L		**¶97iii2912**
NEIC	III	14 15 56 29.5	44.28N	7.56E	5			
NEIC	Single network solution.							
ISC	**III**	**14 20 47 50.3**±.74	**44.12N**±.054	**9.99E**±.063	**4**±8.4		**35**	**0-5**
ROM	III	14 20 47 49.9	44.2N	10.1E	5	2.4D		**¶97iii2946**
NEIC	III	14 20 47 50.2	44.11N	10.00E	5			
LDG	III	14 20 47 53.1	44.0N	9.9E	2	2.4L		
NEIC	M_L2.8(GEN)							
ISC	**III**	**15 08 21 46**±1.1	**46.30N**±.072	**12.85E**±.077	**2**		**12**	**0-3**
LJU	III	15 08 21 46.9	46.3N	12.9E	2			**¶97iii3017**
ISC	**III**	**15 12 25 28.7**±.95	**44.10N**±.062	**12.25E**±.081	**28**±17		**19**	**0-5**
ROM	III	15 12 25 27.9	44.1N	12.2E	8	2.8D		**¶97iii3050**
ISC	**III**	**15 18 14 19**±1.2	**46.56N**±.095	**12.71E**±.071	**0**		**10**	**0-2**
								¶97iii3085
ROM	**III**	**16 00 09 11.8**	**44.1N**	**12.1E**	**29**	**2.5D**		**¶97iii3136**
ISC	**III**	**16 01 41 34**±2.3	**44.1N**±.18	**12.1E**±.10	**10**±12		**7**	**0-2**
ROM	III	16 01 41 32.3	44.1N	12.2E	6	2.6D		**¶97iii3147**
ISC	**III**	**16 19 00 13.5**±.45	**44.34N**±.035	**7.24E**±.058	**9**±8.3		**21**	**0-1**
NEIC	III	16 19 00 13.7	44.35N	7.28E	5			**¶97iii3256**
LDG	III	16 19 00 14.1	44.3N	7.3E	2	1.7L		
NEIC	M_L2.3(GEN)							
ISC	**III**	**16 20 11 41**±1.0	**45.88N**±.035	**7.2E**±.11	**5**		**16**	**0-3**
LDG	III	16 20 11 43.8	45.8N	7.1E	2	2.2L		**¶97iii3266**
NEIC	III	16 20 11 45.3	45.78N	7.08E	5			
NEIC	Single network solution.							
ISC	**III**	**16 22 07 37**±11	**46.2N**±.75	**11.1E**±.60	**33**		**7**	**1-2**
								¶97iii3273
ISC	**III**	**16 23 11 01.6**±.44	**44.41N**±.031	**7.27E**±.056	**10**		**23**	**0-1**
NEIC	III	16 23 11 01.9	44.42N	7.32E	10			**¶97iii3281**
LDG	III	16 23 11 02.6	44.4N	7.3E	2	1.8L		
NEIC	M_L2.2(GEN)							
NEIC	ML 1.6 (STR).							
ISC	**III**	**17 11 19 57**±1.1	**44.56N**±.072	**7.3E**±.13	**5**		**5**	**0-0**
NEIC	III	17 11 19 56.8	44.56N	7.31E	5			**¶97iii3370**
NEIC	M_L1.8(GEN), Single network solution.							
ISC	**III**	**17 12 03 54**±1.1	**44.53N**±.075	**7.3E**±.14	**10**		**5**	**0-0**
NEIC	III	17 12 03 54.3	44.53N	7.28E	10			**¶97iii3377**
NEIC	M_L1.8(GEN), Single network solution.							
ISC	**III**	**17 12 13 53.7**±.46	**44.11N**±.033	**7.11E**±.051	**13**±5.5		**24**	**0-2**
LDG	III	17 12 13 54.0	44.1N	7.2E	2	2.3L		**¶97iii3380**
NEIC	III	17 12 13 54.0	44.12N	7.15E	10			

NEIC M_L2.5(GEN)
ISC III 17 12 19 05±3.2 **44.1N**±.13 **7.1E**±.25 **11**±9.4 **10 0-1**
NEIC III 17 12 19 04.9 44.09N 7.08E 10 **¶97iii3381**
NEIC M_L2.4(GEN), Single network solution.
ISC III 17 15 26 05±4.3 **44.1N**±.18 **7.1E**±.35 **15**±14 **7 0-1**
NEIC III 17 15 26 05.0 44.08N 7.09E 10 **¶97iii3393**
NEIC M_L2.0(GEN), Single network solution.
ISC III 17 16 04 15±4.7 **44.0N**±.25 **7.5E**±.17 **7**±31 **6 0-0**
NEIC III 17 16 04 15.3 44.02N 7.47E 5 **¶97iii3397**
NEIC M_L1.5(STR), Single network solution.
ISC III 17 22 45 11.7±.41 **46.44N**±.036 **12.99E**±.048 **7** **28 0-5**
LJU III 17 22 45 10.5 46.5N 13.0E 7 **¶97iii3449**
ROM III 17 22 45 11.1 46.4N 13.1E 5 2.8D
NEIC III 17 22 45 11.4 46.40N 13.10E 5
NEIC M_L3.1(GRF), M_L2.8(VIE).
NEIC ML 2.6 (FUR).
ISC III 18 01 20 42±2.2 **44.5N**±.10 **7.2E**±.21 **22**±29 **7 0-1**
NEIC III 18 01 20 42.7 44.55N 7.26E 10 **¶97iii3463**
NEIC M_L1.9(GEN), Single network solution.
ROM III 18 05 56 33.1 44.0N 10.9E 10 2.0D ¶97iii3494
ISC III 18 13 30 32.8±.37 **44.66N**±.022 **7.23E**±.042 **8**±4.5 **47 0-4**
NEIC III 18 13 30 33.2 44.68N 7.27E 10 **¶97iii3539**
LDG III 18 13 30 34.1 44.7N 7.2E 2 3.0L
NEIC M_L3.0(GEN)
NEIC ML 2.8 (STR).
ISC III 18 13 31 40.5±.88 **44.66N**±.052 **7.2E**±.17 **10** **6 0-0**
NEIC III 18 13 31 40.3 44.66N 7.18E 10 **¶97iii3540**
NEIC M_L1.8(GEN), Single network solution.
ISC III 18 13 34 46.8±.98 **44.66N**±.063 **7.2E**±.20 **14**±10 **6 0-0**
NEIC III 18 13 34 46.8 44.66N 7.19E 10 **¶97iii3542**
NEIC M_L1.9(GEN), Single network solution.
ISC III 18 16 47 26.2±.83 **44.61N**±.057 **7.2E**±.14 **14**±8.5 **10 0-1**
NEIC III 18 16 47 26.2 44.61N 7.20E 10 **¶97iii3569**
NEIC M_L2.3(GEN), Single network solution.
ISC III 18 17 49 55.6±.98 **44.57N**±.074 **7.4E**±.15 **14**±12 **9 0-1**
NEIC III 18 17 49 55.5 44.58N 7.44E 10 **¶97iii3573**
NEIC M_L2.0(GEN), Single network solution.
ISC III 18 19 01 21.6±.44 **44.61N**±.031 **7.14E**±.074 **14**±6.9 **24 0-1**
NEIC III 18 19 01 21.9 44.63N 7.22E 10 **¶97iii3579**
LDG III 18 19 01 22.6 44.6N 7.2E 2 2.0L
NEIC M_L2.5(GEN)
ISC III 18 22 10 16.6±.73 **44.54N**±.065 **7.2E**±.15 **14**±9.4 **10 0-1**
NEIC III 18 22 10 16.5 44.55N 7.27E 10 **¶97iii3596**
NEIC M_L2.2(GEN), Single network solution.
ISC III 19 02 01 41.1±.44 **44.34N**±.031 **7.21E**±.058 **14**±7.2 **24 0-1**
NEIC III 19 02 01 41.4 44.34N 7.26E 10 **¶97iii3612**
LDG III 19 02 01 42.1 44.3N 7.2E 2 1.8L
NEIC M_L2.4(GEN), M_L1.8(LDG).
ISC III 19 13 37 00±2.3 **44.4N**±.18 **7.4E**±.26 **10** **4 0-0**
NEIC III 19 13 37 00.4 44.40N 7.38E 10 **¶97iii3715**
ISC Poorly determined
NEIC M_L1.4(GEN), Poor solution.
ISC III 19 14 02 34.6±.31 **44.12N**±.025 **7.11E**±.032 **12**±4.6 **40 0-4**
LDG III 19 14 02 35.1 44.1N 7.2E 2 2.9L **¶97iii3720**
NEIC III 19 14 02 35.1 44.12N 7.16E 10
NEIC M_L2.9(STR)
NEIC ML 2.9 (GEN).
ISC III 20 07 29 44±2.1 **44.5N**±.14 **8.5E**±.24 **9**±13 **8 0-1**
NEIC III 20 07 29 43.2 44.55N 8.53E 10 **¶97iii3863**
NEIC M_L2.3(GEN), Single network solution.
ISC III 21 05 48 45±2.8 **44.5N**±.30 **8.4E**±.21 **10** **4 0-1**
NEIC III 21 05 48 44.6 44.55N 8.40E 10 **¶97iii4005**
ISC Poorly determined
NEIC M_L1.6(GEN), Poor solution.
ISC III 21 06 01 32±1.5 **44.5N**±.10 **8.5E**±.20 **12**±14 **8 0-1**
NEIC III 21 06 01 32.3 44.51N 8.44E 10 **¶97iii4010**
NEIC M_L2.1(GEN), Single network solution.
ISC III 21 06 12 18±1.4 **44.5N**±.11 **8.4E**±.18 **11**±15 **7 0-1**
NEIC III 21 06 12 18.1 44.53N 8.40E 10 **¶97iii4012**
NEIC M_L1.9(GEN), Single network solution.
ISC III 21 07 01 47±1.0 **44.53N**±.074 **8.39E**±.097 **10** **10 0-1**
NEIC III 21 07 01 46.7 44.53N 8.39E 10 **¶97iii4024**
NEIC M_L2.1(GEN), Single network solution.
ISC III 21 08 20 05±1.8 **44.50N**±.092 **8.5E**±.28 **14**±17 **10 0-1**
NEIC III 21 08 20 04.8 44.51N 8.43E 10 **¶97iii4037**
NEIC M_L2.2(GEN), Single network solution.
ISC III 21 08 49 39±1.3 **44.6N**±.10 **8.4E**±.12 **6**±16 **10 0-1**
NEIC III 21 08 49 38.9 44.57N 8.35E 5 **¶97iii4042**
NEIC M_L2.1(GEN), Single network solution.
ISC III 22 04 05 30±1.1 **44.41N**±.075 **7.4E**±.16 **10** **6 0-1**
NEIC III 22 04 05 30.0 44.41N 7.39E 10 **¶97iii4192**
NEIC M_L1.7(GEN), Single network solution.
ISC III 22 14 14 42±1.9 **44.7N**±.10 **7.6E**±.20 **36**±44 **10 0-1**
NEIC III 22 14 14 41.7 44.71N 7.62E 33 **¶97iii4281**
NEIC M_L1.9(GEN), Single network solution.
ISC III 24 01 49 23.7±.75 **44.35N**±.041 **7.2E**±.11 **10** **12 0-1**
NEIC III 24 01 49 24.2 44.35N 7.26E 10 **¶97iii4509**
LDG III 24 01 49 24.5 44.3N 7.2E 2 1.9L
NEIC M_L1.6(STR).
ISC III 25 16 28 04±3.7 **44.49N**±.052 **8.0E**±.34 **2** **13 1-2**
LDG III 25 16 28 01.2 44.4N 8.3E 2 2.1L **¶97iii4758**
NEIC III 25 16 28 03.4 44.42N 8.17E 10
NEIC M_L2.5(STR), Less reliable solution.
ISC III 26 21 53 49±1.3 **44.13N**±.071 **7.1E**±.15 **5** **5 0-1**
NEIC III 26 21 53 49.4 44.13N 7.09E 5 **¶97iii5083**
LDG III 26 21 53 50.0 44.1N 7.1E 2 2.1L
NEIC Single network solution.
ISC III 26 23 05 43.2±.54 **44.14N**±.035 **7.11E**±.053 **5** **19 0-2**
NEIC III 26 23 05 43.6 44.11N 7.12E 5 **¶97iii5092**
LDG III 26 23 05 43.7 44.1N 7.1E 2 1.9L
NEIC M_L2.1(STR)
ISC III 26 23 34 57±1.2 **44.11N**±.059 **7.1E**±.13 **5** **6 0-1**
NEIC III 26 23 34 56.7 44.10N 7.11E 5 **¶97iii5095**
LDG III 26 23 34 57.1 44.1N 7.1E 2 1.6L
NEIC Single network solution.
ISC III 27 01 30 18±1.1 **44.36N**±.048 **7.3E**±.14 **10**±12 **10 1-2**
LDG III 27 01 30 18.8 44.4N 7.3E 2 2.2L **¶97iii5110**
NEIC III 27 01 30 18.8 44.36N 7.29E 5
NEIC Single network solution.
ISC III 27 06 09 32.7±.53 **44.78N**±.037 **10.72E**±.069 **5** **35 1-6**
ROM III 27 06 09 32.7 44.8N 10.7E 4 2.8D **¶97iii5151**
LDG III 27 06 09 32.9 44.8N 11.0E 2 2.8L
NEIC III 27 06 09 34.3 44.82N 10.50E 5
NEIC M_L3.0(VIE)
ISC III 28 10 13 56±1.9 **44.42N**±.059 **7.4E**±.22 **5** **8 1-2**
NEIC III 28 10 13 56.4 44.43N 7.45E 5 **¶97iii5419**
LDG III 28 10 13 56.5 44.4N 7.5E 2 2.3L
NEIC Single network solution.
ISC III 28 10 48 06±2.2 **44.43N**±.097 **8.3E**±.15 **2** **14 1-2**
LDG III 28 10 48 07.8 44.4N 8.2E 2 2.2L **¶97iii5428**
NEIC III 28 10 48 08.0 44.33N 8.29E 5
NEIC M_L2.0(STR), Less reliable solution.
ISC III 28 10 49 44±4.0 **44.3N**±.11 **7.5E**±.38 **2** **8 0-1**
LDG III 28 10 49 41.3 44.4N 7.8E 2 2.0L **¶97iii5429**
ROM III 30 03 14 48.1 44.8N 10.7E 5 2.4D ¶97iii5684
ISC III 30 10 50 41±1.5 **44.41N**±.055 **9.91E**±.087 **10**±13 **26 0-5**
NEIC III 30 10 50 39.1 44.38N 10.00E 5 **¶97iii5743**
ROM III 30 10 50 40.3 44.4N 9.8E 6 2.5D
LDG III 30 10 50 41.6 44.3N 10.0E 2 2.6L
NEIC M_L2.7(STR), Less reliable solution.
ISC III 31 17 00 58.8±.78 **44.71N**±.052 **7.4E**±.10 **10** **9 0-1**
NEIC III 31 17 00 58.7 44.71N 7.37E 10 **¶97iii5908**
NEIC M_L2.0(GEN), Single network solution.
ISC IV 01 14 42 36±1.5 **44.27N**±.096 **7.2E**±.16 **12**±7.4 **11 0-1**
NEIC IV 01 14 42 35.6 44.27N 7.17E 10 **¶97iv0086**
NEIC M_L2.2(GEN), Single network solution.
ISC IV 01 15 47 24.7±.83 **44.36N**±.066 **7.3E**±.12 **12**±7.5 **12 0-1**
NEIC IV 01 15 47 24.5 44.37N 7.27E 10 **¶97iv0096**
NEIC M_L2.3(GEN), Single network solution.
ISC IV 01 18 07 26.7±.48 **44.85N**±.031 **10.71E**±.056 **2** **57 1-5**
LDG IV 01 18 07 26.2 44.8N 11.0E 2 2.9L **¶97iv0121**
ROM IV 01 18 07 27.8 44.8N 10.7E 4 2.8D
NEIC IV 01 18 07 28.4 44.80N 10.58E 5
NEIC M_L2.9(VIE).
ISC IV 02 17 46 28.9±.56 **45.01N**±.042 **10.25E**±.071 **10** **26 1-5**
NEIC IV 02 17 46 26.5 45.06N 10.49E 10 **¶97iv0279**
LDG IV 02 17 46 28.5 45.0N 10.5E 2.5L
ROM IV 02 17 46 30.4 45.0N 10.4E 8 2.4D
ROM IV 02 18 39 12.3 44.1N 11.4E 10 2.1D ¶97iv0287
ISC IV 02 21 45 59.0±.66 **44.11N**±.056 **12.01E**±.087 **18** **12 0-5**
ROM IV 02 21 45 59.9 44.0N 12.0E 18 2.4D **¶97iv0322**
ISC IV 03 13 20 29.3±.54 **44.77N**±.033 **10.67E**±.071 **10** **37 1-6**
LDG IV 03 13 20 27.2 44.8N 11.1E 2.9L **¶97iv0434**
ROM IV 03 13 20 29.1 44.7N 10.8E 5 2.6D
NEIC IV 03 13 20 30.2 44.80N 10.53E 10
NEIC M_L3.0(VIE)
ROM IV 03 13 51 19.9 44.6N 10.9E 13 2.4D ¶97iv0436
ISC IV 03 21 42 01.9±.34 **44.35N**±.025 **7.26E**±.043 **14**±4.5 **39 0-4**
NEIC IV 03 21 42 02.0 44.37N 7.34E 10 **¶97iv0479**
LDG IV 03 21 42 02.2 44.3N 7.3E 2.8L
NEIC M_L2.7(GEN).
NEIC ML 2.6 (STR).
ISC IV 03 22 27 16±2.1 **44.3N**±.17 **7.3E**±.24 **13**±19 **6 0-1**
NEIC IV 03 22 27 16.2 44.34N 7.31E 10 **¶97iv0489**
NEIC M_L1.8(GEN), Single network solution.
ISC IV 04 11 29 24±1.1 **44.33N**±.042 **7.4E**±.14 **2** **12 0-1**
LDG IV 04 11 29 23.3 44.3N 7.6E 2.1L **¶97iv0605**
STR IV 04 11 29 24.6 44.31N 7.50E 2 3.1L
ISC IV 04 15 41 21±1.9 **44.4N**±.17 **7.4E**±.26 **10** **4 0-0**
NEIC IV 04 15 41 21.0 44.38N 7.36E 10 **¶97iv0627**
ISC Poorly determined
NEIC M_L1.4(GEN), Poor solution.
ISC IV 05 06 49 14±2.9 **44.0N**±.10 **7.4E**±.25 **5** **6 0-1**
LDG IV 05 06 49 12.7 44.0N 7.7E 1.9L **¶97iv0716**
NEIC IV 05 06 49 14.5 43.96N 7.49E 5
NEIC Single network solution.
ISC IV 05 09 23 49±6.4 **45.8N**±.53 **12.5E**±.39 **33** **4 1-2**
ISC Poorly determined **¶97iv0742**
ISC IV 06 06 53 43±2.5 **44.53N**±.096 **7.4E**±.16 **26**±40 **8 0-1**
NEIC IV 06 06 53 43.4 44.54N 7.45E 20 **¶97iv0952**
NEIC M_L1.9(GEN), Single network solution.
ISC IV 06 16 45 50.0±.46 **44.33N**±.033 **7.26E**±.056 **10** **20 0-1**
NEIC IV 06 16 45 50.2 44.36N 7.32E 10 **¶97iv1019**
LDG IV 06 16 45 51.1 44.3N 7.2E 2.1L
NEIC M_L2.2(GEN)
ISC IV 06 17 59 03.4±.46 **44.36N**±.032 **7.24E**±.056 **5** **19 0-1**
LDG IV 06 17 59 03.5 44.4N 7.3E 2.1L **¶97iv1033**
NEIC IV 06 17 59 03.6 44.37N 7.28E 5
NEIC M_L2.3(GEN)
ISC IV 06 18 02 54±2.2 **44.3N**±.25 **7.3E**±.45 **15**±22 **5 0-0**
NEIC IV 06 18 02 54.0 44.36N 7.32E 10 **¶97iv1034**
ISC Poorly determined
NEIC M_L1.6(GEN), Single network solution.
ISC IV 07 00 55 32±4.3 **44.3N**±.24 **7.3E**±.39 **18**±43 **7 0-1**
NEIC IV 07 00 55 32.9 44.37N 7.33E 10 **¶97iv1083**
NEIC M_L1.8(GEN), Single network solution.
ISC IV 07 02 07 58.5±.40 **44.56N**±.026 **7.30E**±.051 **8**±8.2 **33 0-2**
NEIC IV 07 02 07 58.6 44.56N 7.35E 5 **¶97iv1087**
LDG IV 07 02 07 59.2 44.6N 7.3E 2.3L
NEIC M_L2.5(GEN)
NEIC ML 2.1 (STR).
ISC IV 07 08 29 11±1.4 **44.92N**±.073 **8.4E**±.18 **33** **13 0-1**
NEIC IV 07 08 29 11.1 44.93N 8.42E 33 **¶97iv1128**
NEIC M_L2.5(GEN), Single network solution.
ISC IV 07 08 54 56±1.9 **44.67N**±.088 **10.7E**±.20 **22** **15 1-4**
NEIC IV 07 08 54 56.3 44.66N 10.74E 33 **¶97iv1130**
LDG IV 07 08 54 58.2 44.6N 10.8E 2.7L
ROM IV 07 08 54 58.5 44.5N 10.5E 22 2.4D
NEIC M_L2.8(STR), Less reliable solution.
ISC IV 07 10 34 50±1.8 **44.4N**±.15 **7.3E**±.21 **12**±20 **6 0-1**
NEIC IV 07 10 34 50.3 44.36N 7.33E 10 **¶97iv1139**
NEIC M_L1.8(GEN), Single network solution.
LJU IV 07 12 09 05.7 45.8N 13.6E 12 ¶97iv1153
ISC IV 07 17 26 03.5±.55 **44.33N**±.040 **7.28E**±.065 **10** **16 0-1**
NEIC IV 07 17 26 03.5 44.36N 7.34E 10 **¶97iv1197**
LDG IV 07 17 26 04.7 44.3N 7.2E 1.8L
NEIC M_L2.2(GEN)
ISC IV 08 11 13 36.6±.45 **44.32N**±.033 **7.21E**±.054 **12**±6.4 **23 0-2**
NEIC IV 08 11 13 37.1 44.30N 7.27E 10 **¶97iv1324**
LDG IV 08 11 13 37.5 44.3N 7.3E 2.5L
STR IV 08 11 13 37.9 44.28N 7.30E 10 3.1L
NEIC M_L2.0(GEN).

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**08 12 16 54**±1.3	**44.87N**±.040	**9.02E**±.063	**14**±12		**38**	**0-4**
NEIC	IV	08 12 16 53.1	44.90N	9.03E	10		**¶97iv1331**	
LDG	IV	08 12 16 53.2	44.8N	9.2E		2.7L		
ROM	IV	08 12 16 53.3	44.9N	9.0E	5	2.5D		
STR	IV	08 12 16 57.4	44.41N	9.13E	10	3.6L		
NEIC	M_L2.6(GEN).							
ISC	**IV**	**08 14 34 55.0**±.50	**44.35N**±.032	**7.54E**±.052	**10**		**22**	**0-1**
NEIC	IV	08 14 34 55.1	44.35N	7.58E	10		**¶97iv1345**	
LDG	IV	08 14 34 55.4	44.3N	7.6E		2.2L		
NEIC	M_L2.4(GEN)							
NEIC	ML 2.1 (STR).							
ISC	**IV**	**08 14 42 59**±1.4	**44.3N**±.12	**7.3E**±.23	**14**±11		**7**	**0-1**
NEIC	IV	08 14 42 59.0	44.35N	7.32E	10		**¶97iv1346**	
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**IV**	**09 11 38 49**±1.3	**44.64N**±.065	**7.3E**±.23	**16**±39		**6**	**0-1**
NEIC	IV	09 11 38 48.5	44.64N	7.25E	20		**¶97iv1510**	
NEIC	M_L1.9(GEN), Single network solution.							
ISC	**IV**	**11 01 06 00.0**±.66	**44.17N**±.076	**10.31E**±.074	**11**±5.8		**16**	**0-3**
ROM	IV	11 01 05 58.6	44.3N	10.3E	4	2.6D	**¶97iv1771**	
NEIC	IV	11 01 05 59.8	44.12N	10.32E	10			
LDG	IV	11 01 06 01.6	44.1N	10.3E		2.2L		
NEIC	M_L2.2(GEN).							
ISC	**IV**	**11 10 47 06**±1.6	**44.31N**±.075	**7.5E**±.15	**10**		**7**	**0-2**
NEIC	IV	11 10 47 06.0	44.34N	7.59E	10		**¶97iv1878**	
LDG	IV	11 10 47 07.0	44.3N	7.5E		2.1L		
NEIC	Single network solution.							
ISC	**IV**	**11 23 27 44**±4.6	**44.69N**±.094	**9.0E**±.45	**10**		**10**	**0-1**
NEIC	IV	11 23 27 44.3	44.69N	8.94E	10		**¶97iv1989**	
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**IV**	**12 06 57 15**±6.7	**44.3N**±.31	**7.2E**±.50	**25**±45		**6**	**0-1**
NEIC	IV	12 06 57 16.4	44.36N	7.34E	10		**¶97iv2022**	
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**IV**	**12 15 37 08.0**±.83	**46.84N**±.061	**11.94E**±.088	**10**		**12**	**0-4**
ROM	IV	12 15 37 07.3	46.8N	11.9E	13	2.7D	**¶97iv2089**	
NEIC	IV	12 15 37 10.9	46.98N	11.77E	10			
NEIC	M_L2.4(VIE), M_L2.3(FUR), Less reliable solution.							
ISC	**IV**	**12 22 17 47**±1.1	**46.6N**±.11	**10.42E**±.085	**10**		**8**	**0-3**
NEIC	IV	12 22 17 48.9	46.56N	10.21E	10		**¶97iv2141**	
NEIC	Less reliable solution.							
ISC	**IV**	**12 23 00 00.9**±.20	**46.60N**±.018	**10.48E**±.026	**10**		**166**	**0-9**
ZUR	IV	12 23 00 00.1	46.51N	10.44E	10	3.4L	**¶97iv2150**	
MOS	IV	12 23 00 00.7	46.6N	10.4E	10	4.0b		
ROM	IV	12 23 00 00.9	46.5N	10.5E	5	3.4D		
NEIC	IV	12 23 00 01.1	46.60N	10.44E	10			
LDG	IV	12 23 00 02.0	46.6N	10.7E		3.4L		
LEDBW	IV	12 23 00 02.5	46.63N	10.47E	10	3.3L		
SZGRF	IV	12 23 00 03.4	46.63N	10.43E	10	3.6L		
STR	IV	12 23 00 05.1	46.60N	10.19E	1	3.7L		
NEIC	M_L3.7(FUR).							
NEIC	ML 3.6 (VIE)							
ROM	**IV**	**13 18 45 33.4**	**44.7N**	**9.8E**	**5**	**2.2D**	**¶97iv2282**	
ISC	**IV**	**14 00 29 04**±1.3	**46.7N**±.27	**10.4E**±.18	**33**		**5**	**0-1**
							¶97iv2349	
ISC	**IV**	**14 06 27 53.7**±.78	**44.75N**±.049	**7.2E**±.12	**15**±7.9		**12**	**0-1**
NEIC	IV	14 06 27 53.5	44.75N	7.25E	10		**¶97iv2401**	
NEIC	M_L2.2(GEN), Single network solution.							
ISC	**IV**	**14 06 35 23.8**±.41	**44.74N**±.025	**7.22E**±.054	**11**±5.7		**36**	**0-3**
NEIC	IV	14 06 35 24.1	44.77N	7.30E	10		**¶97iv2402**	
LDG	IV	14 06 35 24.2	44.8N	7.3E		2.7L		
NEIC	M_L2.7(GEN).							
NEIC	ML 2.3 (STR).							
ROM	**IV**	**14 13 13 30.8**	**46.4N**	**10.6E**	**8**	**2.7D**	**¶97iv2465**	
ZUR	IV	14 13 13 13.3	46.52N	10.43E	10	2.5L		
ISC	**IV**	**14 18 29 06**±1.3	**44.1N**±.39	**10.7E**±.25	**37**		**4**	**0-1**
ROM	IV	14 18 29 05.6	44.1N	10.7E	37	2.0D	**¶97iv2497**	
ISC	Poorly determined							
ROM	**IV**	**16 06 45 47.3**	**44.7N**	**10.8E**	**5**	**2.5D**	**¶97iv2709**	
ISC	**IV**	**16 19 59 45**±2.1	**44.4N**±.15	**7.4E**±.22	**10**		**4**	**0-0**
NEIC	IV	16 19 59 44.7	44.35N	7.42E	10		**¶97iv2807**	
ISC	Poorly determined							
NEIC	M_L1.8(GEN), Poor solution.							
ROM	**IV**	**16 21 20 13.1**	**44.8N**	**10.7E**	**10**	**2.5D**	**¶97iv2810**	
ISC	**IV**	**17 13 15 58**±1.7	**44.42N**±.047	**7.4E**±.20	**10**		**10**	**0-2**
NEIC	IV	17 13 15 59.0	44.43N	7.45E	10		**¶97iv2909**	
LDG	IV	17 13 15 59.2	44.4N	7.4E		2.6L		
NEIC	Single network solution.							
ISC	**IV**	**17 13 23 03**±3.1	**44.4N**±.11	**7.4E**±.30	**0**		**5**	**1-1**
LDG	IV	17 13 23 02.4	44.4N	7.5E		2.3L	**¶97iv2912**	
ISC	**IV**	**17 18 30 00.9**±.92	**44.52N**±.050	**9.73E**±.058	**11**±7.9		**35**	**0-4**
ROM	IV	17 18 30 00.4	44.5N	9.7E	5	2.6D	**¶97iv2953**	
NEIC	IV	17 18 30 00.4	44.51N	9.76E	10			
LDG	IV	17 18 30 01.9	44.5N	9.8E		2.7L		
NEIC	M_L2.7(GEN).							
ISC	**IV**	**18 01 55 26.6**±.92	**44.38N**±.073	**7.3E**±.13	**10**		**6**	**0-0**
NEIC	IV	18 01 55 26.6	44.38N	7.34E	10		**¶97iv3010**	
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**IV**	**18 03 15 41**±5.1	**44.3N**±.37	**12.1E**±.16	**10**		**4**	**0-1**
ROM	IV	18 03 15 41.5	44.2N	12.1E	10	2.5D	**¶97iv3015**	
ISC	Poorly determined							
ISC	**IV**	**19 03 07 16**±1.4	**45.03N**±.076	**10.7E**±.17	**18**±19		**7**	**1-2**
ROM	IV	19 03 07 16.4	45.0N	10.6E	16	2.5D	**¶97iv3143**	
ISC	**IV**	**19 16 23 37.9**±.36	**44.54N**±.025	**7.21E**±.044	**14**±4.7		**41**	**0-2**
NEIC	IV	19 16 23 38.1	44.57N	7.33E	10		**¶97iv3220**	
LDG	IV	19 16 23 38.2	44.5N	7.3E		2.4L		
NEIC	M_L2.6(GEN)							
NEIC	ML 2.3 (STR).							
ISC	**IV**	**20 00 17 34.3**±.59	**44.32N**±.047	**7.23E**±.082	**14**±7.0		**16**	**0-1**
LDG	IV	20 00 17 34.0	44.4N	7.3E		1.8L	**¶97iv3254**	
NEIC	IV	20 00 17 34.4	44.35N	7.29E	10			
NEIC	M_L2.0(GEN)							
ISC	**IV**	**20 11 40 00.8**±.77	**44.64N**±.058	**7.2E**±.17	**13**±12		**9**	**0-1**
NEIC	IV	20 11 40 00.7	44.64N	7.24E	10		**¶97iv3305**	
NEIC	M_L1.9(GEN), Single network solution.							
ISC	**IV**	**21 15 52 42.7**±.63	**46.43N**±.061	**12.87E**±.073	**5**		**18**	**0-5**
ROM	IV	21 15 52 42.4	46.4N	13.0E	5	2.9D	**¶97iv3528**	
NEIC	IV	21 15 52 43.4	46.35N	12.87E	10			
NEIC	M_L2.7(VIE), Less reliable solution.							
ISC	**IV**	**24 16 47 00**±1.6	**44.38N**±.059	**8.1E**±.15	**5**		**9**	**1-2**
NEIC	IV	24 16 47 00.9	44.36N	8.18E	5		**¶97iv4177**	
LDG	IV	24 16 47 01.7	44.4N	8.1E		2.2L		
NEIC	Single network solution.							
ISC	**IV**	**25 10 14 44.7**±.39	**44.67N**±.026	**7.24E**±.049	**10**±4.6		**36**	**0-7**
NEIC	IV	25 10 14 44.8	44.69N	7.28E	10		**¶97iv4320**	
LDG	IV	25 10 14 45.6	44.7N	7.3E		2.7L		
NEIC	M_L2.8(GEN), Single network solution.							
ISC	**IV**	**25 10 22 14.2**±.97	**44.68N**±.058	**7.2E**±.13	**16**±30		**8**	**0-1**
NEIC	IV	25 10 22 14.1	44.68N	7.27E	10		**¶97iv4321**	
NEIC	M_L2.0(GEN), Single network solution.							
ISC	**IV**	**26 09 00 59**±4.4	**44.3N**±.32	**7.3E**±.39	**19**±35		**5**	**0-0**
NEIC	IV	26 09 00 59.5	44.33N	7.36E	10		**¶97iv4506**	
ISC	Poorly determined							
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**IV**	**27 12 51 09**±2.3	**44.6N**±.10	**7.1E**±.28	**20**±31		**5**	**0-0**
NEIC	IV	27 12 51 09.2	44.61N	7.09E	10		**¶97iv4725**	
ISC	Poorly determined							
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**IV**	**28 12 03 20.8**±.98	**44.41N**±.053	**10.42E**±.090	**5**±8.6		**29**	**0-4**
ROM	IV	28 12 03 22.1	44.3N	10.3E	5	2.9D	**¶97iv4912**	
NEIC	IV	28 12 03 22.5	44.13N	10.21E	5			
LDG	IV	28 12 03 24.0	44.2N	10.3E		2.8L		
NEIC	M_L2.7(VIE).							
ISC	**IV**	**28 18 11 14.9**±.48	**44.59N**±.034	**7.19E**±.085	**14**±9.0		**20**	**0-1**
NEIC	IV	28 18 11 15.1	44.60N	7.26E	10		**¶97iv4966**	
LDG	IV	28 18 11 15.3	44.6N	7.2E		1.8L		
NEIC	M_L2.1(GEN)							
ISC	**IV**	**29 11 20 01.5**±.43	**44.34N**±.032	**7.24E**±.061	**15**±5.5		**23**	**0-2**
NEIC	IV	29 11 20 01.7	44.37N	7.31E	10		**¶97iv5070**	
LDG	IV	29 11 20 01.8	44.4N	7.3E		2.5L		
NEIC	M_L2.6(GEN)							
ISC	**IV**	**29 13 35 59**±3.2	**44.3N**±.32	**11.0E**±.14	**20**		**4**	**0-1**
ROM	IV	29 13 35 58.0	44.3N	11.0E	20	2.4D	**¶97iv5081**	
ISC	Poorly determined							
LJU	**IV**	**29 14 53 40.1**	**45.7N**	**13.98E**	**2**		**¶97iv5093**	
ROM	**IV**	**29 21 15 43.1**	**44.4N**	**11.2E**	**10**	**2.0D**	**¶97iv5124**	
ISC	**IV**	**30 23 44 40**±1.2	**44.56N**±.094	**8.19E**±.095	**10**		**7**	**0-1**
NEIC	IV	30 23 44 39.7	44.56N	8.19E	10		**¶97iv5286**	
NEIC	M_L1.9(GEN), Single network solution.							
ROM	**V**	**01 04 08 32.0**	**44.8N**	**10.9E**	**5**	**2.2D**	**¶97v0028**	
ISC	**V**	**01 06 08 30.8**±.74	**44.57N**±.055	**7.2E**±.12	**14**±8.8		**11**	**0-1**
NEIC	V	01 06 08 30.6	44.58N	7.25E	10		**¶97v0045**	
NEIC	M_L2.1(GEN), Single network solution.							
ROM	**V**	**01 06 14 03.5**	**44.7N**	**10.7E**	**10**	**2.4D**	**¶97v0047**	
ISC	**V**	**02 11 46 18**±1.8	**44.42N**±.049	**7.5E**±.21	**5**		**8**	**1-1**
NEIC	V	02 11 46 16.2	44.49N	7.69E	5		**¶97v0258**	
LDG	V	02 11 46 18.7	44.4N	7.5E		2.0L		
NEIC	Poor solution.							
ISC	**V**	**03 10 31 03.3**±.76	**44.46N**±.065	**7.4E**±.11	**12**±9.4		**10**	**0-1**
NEIC	V	03 10 31 03.2	44.47N	7.44E	10		**¶97v0418**	
NEIC	M_L2.4(GEN), Single network solution.							
ISC	**V**	**03 11 43 19**±2.2	**46.4N**±.14	**10.3E**±.15	**6**		**5**	**0-1**
ZUR	V	03 11 43 19.2	46.38N	10.28E	6	2.0L	**¶97v0427**	
ISC	**V**	**03 18 12 36.1**±.63	**44.12N**±.044	**7.10E**±.071	**14**±7.7		**16**	**0-1**
NEIC	V	03 18 12 36.3	44.13N	7.14E	10		**¶97v0481**	
LDG	V	03 18 12 36.8	44.1N	7.1E		1.8L		
NEIC	M_L2.1(GEN)							
ISC	**V**	**04 09 22 37**±2.1	**44.4N**±.16	**7.4E**±.24	**10**		**4**	**0-0**
NEIC	V	04 09 22 37.6	44.37N	7.40E	10		**¶97v0610**	
ISC	Poorly determined							
NEIC	M_L1.6(GEN), Poor solution.							
ISC	**V**	**04 16 21 35.0**±.43	**44.58N**±.030	**7.20E**±.059	**10**		**21**	**0-1**
NEIC	V	04 16 21 35.3	44.61N	7.27E	10		**¶97v0664**	
LDG	V	04 16 21 35.6	44.6N	7.2E		2.0L		
NEIC	M_L2.2(GEN)							
ISC	**V**	**04 19 58 27.7**±.99	**44.82N**±.052	**10.5E**±.11	**21**±12		**18**	**1-4**
ROM	V	04 19 58 28.5	44.8N	10.5E	23	2.3D	**¶97v0688**	
LDG	V	04 19 58 28.6	44.8N	10.4E		2.4L		
LJU	**V**	**05 15 36 43.9**	**45.7N**	**14.0E**	**0**		**¶97v0804**	
ISC	**V**	**06 10 41 06.1**±.75	**44.84N**±.058	**7.6E**±.15	**30**±11		**13**	**0-1**
NEIC	V	06 10 41 06.0	44.84N	7.58E	33		**¶97v0949**	
NEIC	M_L2.2(GEN), Single network solution.							
ISC	**V**	**06 15 48 42**±1.5	**44.3N**±.15	**7.3E**±.27	**15**±12		**6**	**0-1**
NEIC	V	06 15 48 41.8	44.35N	7.30E	10		**¶97v0982**	
NEIC	M_L1.6(GEN), Single network solution.							
ISC	**V**	**08 03 40 32.8**±.88	**44.47N**±.064	**7.3E**±.16	**10**		**6**	**0-1**
NEIC	V	08 03 40 32.7	44.47N	7.29E	10		**¶97v1175**	
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**V**	**08 04 33 47.1**±.81	**44.89N**±.041	**10.9E**±.10	**5**		**32**	**1-5**
NEIC	V	08 04 33 47.3	44.85N	10.88E	5		**¶97v1179**	
STR	V	08 04 33 49.9	44.58N	10.93E	10	3.2L		
LDG	V	08 04 33 50.5	44.8N	10.8E		2.7L		
ROM	V	08 04 33 51.9	44.7N	10.6E	5	2.5D		
NEIC	M_L2.6(VIE), Less reliable solution.							
ISC	**V**	**08 11 44 09.6**±.59	**44.41N**±.039	**7.36E**±.065	**5**		**14**	**0-1**
LDG	V	08 11 44 09.8	44.4N	7.4E		2.1L	**¶97v1237**	
NEIC	V	08 11 44 09.8	44.41N	7.39E	5			
NEIC	M_L2.0(GEN).							
ZUR	**V**	**09 00 48 20.1**	**46.38N**	**10.33E**	**10**	**2.0L**	**¶97v1336**	
ISC	**V**	**09 05 01 12**±1.3	**44.4N**±.11	**7.4E**±.13	**10**		**5**	**0-0**
NEIC	V	09 05 01 11.5	44.38N	7.38E	10		**¶97v1364**	
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**V**	**09 11 28 40**±2.2	**44.34N**±.049	**7.6E**±.24	**5**		**8**	**0-1**
NEIC	V	09 11 28 40.6	44.33N	7.58E	5		**¶97v1415**	
LDG	V	09 11 28 40.8	44.3N	7.6E		2.1L		
NEIC	Single network solution.							
ROM	**V**	**09 18 00 11.1**	**44.1N**	**12.1E**	**10**	**2.3D**	**¶97v1460**	
ISC	**V**	**11 10 33 52**±1.1	**44.49N**±.075	**7.3E**±.16	**5**		**5**	**0-1**
NEIC	V	11 10 33 51.6	44.49N	7.33E	5		**¶97v1768**	
NEIC	M_L1.7(GEN), Single network solution.							
ISC	**V**	**11 16 49 09.1**±.41	**44.95N**±.036	**11.17E**±.052	**10**		**41**	**1-6**
STR	V	11 16 49 05.1	44.96N	11.56E	2	3.4L	**¶97v1812**	
NEIC	V	11 16 49 07.6	44.80N	11.47E	10			
LDG	V	11 16 49 08.4	45.1N	11.4E		2.6L		
ROM	V	11 16 49 09.4	44.9N	11.1E	5	2.7D		
NEIC	M_L3.0(VIE)							
ISC	**V**	**12 05 37 53.1**±.77	**44.17N**±.060	**7.77E**±.080	**10**		**8**	**0-1**
NEIC	V	12 05 37 53.0	44.17N	7.77E	10		**¶97v1900**	
NEIC	M_L1.9(GEN), Single network solution.							
ISC	**V**	**12 06 24 45**±1.1	**44.49N**±.077	**7.3E**±.20	**8**±19		**7**	**0-1**
NEIC	V	12 06 24 45.1	44.49N	7.25E	10		**¶97v1906**	
NEIC	M_L1.9(GEN), Single network solution.							

ISC	**V**	**12 16 36 06.4**±.44	**44.37N**±.034	**7.37E**±.062	**12**±7.1			**22**	**0-2**
NEIC	V	12 16 36 06.6	44.39N	7.43E	5				**¶97v2010**
LDG	V	12 16 36 07.0	44.4N	7.4E		2.3L			
NEIC	M_L2.5(GEN)								
ISC	**V**	**12 19 54 39.6**±.35	**44.79N**±.029	**10.66E**±.042	**5**			**65**	**1-5**
LDG	V	12 19 54 38.0	44.8N	11.0E		2.7L			**¶97v2035**
NEIC	V	12 19 54 39.9	44.80N	10.58E	5				
STR	V	12 19 54 40.4	44.87N	10.81E	10	3.2L			
ROM	V	12 19 54 40.9	44.7N	10.7E	5	2.9D			
NEIC	M_L3.0(VIE)								
ISC	**V**	**12 20 27 41.0**±.44	**44.77N**±.035	**10.65E**±.052	**4**			**54**	**1-5**
LDG	V	12 20 27 40.9	44.8N	10.8E		2.6L			**¶97v2038**
NEIC	V	12 20 27 41.1	44.79N	10.59E	5				
ROM	V	12 20 27 42.1	44.7N	10.7E	4	2.9D			
STR	V	12 20 27 43.0	44.80N	10.62E	10	3.0L			
NEIC	M_L2.8(VIE)								
ISC	**V**	**12 22 13 50.3**±.23	**44.81N**±.022	**10.71E**±.026	**5**			**115**	**1-6**
NEIC	V	12 22 13 50.4	44.80N	10.68E	5				**¶97v2055**
ROM	V	12 22 13 51.1	44.8N	10.7E	5	3.7D			
LDG	V	12 22 13 52.2	44.8N	10.7E		3.6L			
STR	V	12 22 13 56.8	44.93N	10.17E	11	3.5L			
MOS	V	12 22 13 58.0	45.2N	10.3E	10	4.0b			
NEIC	M_L3.9(GRF), M_L3.7(VIE), $ML_{3.3}$(FUR)								
ISC	**V**	**12 22 22 06.5**±.24	**44.81N**±.023	**10.75E**±.028	**5**			**96**	**1-6**
NEIC	V	12 22 22 06.4	44.79N	10.73E	5				**¶97v2057**
LDG	V	12 22 22 06.7	44.8N	10.9E		3.4L			
ROM	V	12 22 22 07.4	44.8N	10.7E	5	3.5D			
STR	V	12 22 22 12.7	44.98N	10.24E	10	3.6L			
NEIC	M_L3.8(GRF), M_L3.7(VIE), $ML_{3.5}$(FUR)								
ISC	**V**	**12 22 47 42.3**±.91	**44.78N**±.028	**10.75E**±.033	**4**±7.6			**76**	**1-7**
NEIC	V	12 22 47 42.2	44.78N	10.73E	5				**¶97v2063**
ROM	V	12 22 47 43.0	44.8N	10.7E	5	3.3D			
LDG	V	12 22 47 43.0	44.8N	10.8E		3.0L			
STR	V	12 22 47 49.9	44.91N	10.12E	11	3.2L			
NEIC	M_L3.5(VIE)								
ISC	**V**	**12 23 59 55.5**±.78	**44.85N**±.057	**10.65E**±.092	**5**			**17**	**1-5**
LDG	V	12 23 59 54.9	44.8N	11.0E		2.5L			**¶97v2080**
NEIC	V	12 23 59 54.9	44.88N	10.70E	5				
ISC	**V**	**13 02 23 52.1**±.96	**44.08N**±.052	**7.76E**±.080	**11**±11			**13**	**0-1**
LDG	V	13 02 23 51.6	44.1N	7.9E		1.6L			**¶97v2112**
NEIC	V	13 02 23 52.4	44.09N	7.77E	5				
NEIC	M_L1.8(GEN)								
ISC	**V**	**13 02 58 42.5**±.22	**46.74N**±.021	**10.42E**±.028	**10**			**92**	**0-7**
MOS	V	13 02 58 41.8	46.7N	10.4E	10	4.0b			**¶97v2116**
ZUR	V	13 02 58 42.0	46.65N	10.35E	10	3.1L			
NEIC	V	13 02 58 42.0	46.74N	10.39E	5				
LEDBW	V	13 02 58 42.1	46.67N	10.52E	10	3.2L			
SZGRF	V	13 02 58 42.3	46.7N	10.4E	10	3.2L			
ROM	V	13 02 58 43.7	46.6N	10.4E	5	3.3D			
STR	V	13 02 58 47.4	46.77N	10.10E	10	3.3L			
LDG	V	13 02 58 47.6	46.7N	10.2E		2.9L			
NEIC	ML 3.3 (FUR), 3.1 (VIE)								
ISC	**V**	**13 08 18 21.0**±.40	**44.55N**±.028	**7.23E**±.058	**13**±5.9			**30**	**0-1**
ROM	V	13 08 18 20.8	44.6N	7.3E	11	2.1D			**¶97v2201**
NEIC	V	13 08 18 21.1	44.57N	7.31E	10				
LDG	V	13 08 18 21.5	44.6N	7.3E		2.5L			
NEIC	M_L2.4(GEN).								
NEIC	ML 2.1 (STR).								
ISC	**V**	**13 09 23 01.0**±.43	**45.02N**±.026	**7.35E**±.048	**5**			**33**	**0-2**
ROM	V	13 09 23 00.5	45.0N	7.3E	5	2.2D			**¶97v2212**
NEIC	V	13 09 23 02.0	45.03N	7.39E	10				
LDG	V	13 09 23 02.3	45.0N	7.3E		2.7L			
NEIC	M_L2.5(GEN).								
NEIC	ML 2.5 (STR).								
ISC	**V**	**13 10 00 14.3**±.90	**44.41N**±.059	**8.3E**±.10	**5**±9.3			**15**	**0-1**
ROM	V	13 10 00 13.9	44.4N	8.3E	5	2.0D			**¶97v2220**
NEIC	V	13 10 00 14.2	44.42N	8.29E	5				
NEIC	M_L2.2(GEN), Single network solution.								
ISC	**V**	**13 10 19 58.7**±.58	**44.23N**±.050	**9.91E**±.054	**11**±5.9			**39**	**0-5**
ROM	V	13 10 19 58.0	44.3N	9.9E	5	2.7D			**¶97v2223**
NEIC	V	13 10 19 58.4	44.25N	9.92E	10				
LDG	V	13 10 19 59.8	44.2N	9.9E		2.7L			
NEIC	M_L2.8(GEN)								
ISC	**V**	**14 17 23 00.8**±.29	**44.47N**±.020	**7.07E**±.032	**7**±3.8			**55**	**0-4**
NEIC	V	14 17 23 00.9	44.48N	7.12E	5				**¶97v2493**
ROM	V	14 17 23 01.6	44.6N	7.2E	5	2.8D			
LDG	V	14 17 23 02.2	44.5N	7.1E		2.9L			
NEIC	M_L2.9(GEN).								
NEIC	ML 2.7 (STR).								
ISC	**V**	**14 23 27 23**±6.4	**45.7N**±.38	**9.7E**±.38	**5**			**17**	**1-3**
ROM	V	14 23 27 35.4	45.0N	9.3E	5	2.3D			**¶97v2518**
LDG	V	14 23 27 41.3	44.4N	9.2E		2.0L			
ISC	**V**	**15 05 01 05.6**±.77	**44.64N**±.049	**7.1E**±.16	**13**±9.0			**12**	**0-1**
NEIC	V	15 05 01 05.5	44.65N	7.17E	5				**¶97v2568**
NEIC	M_L2.2(GEN), Single network solution.								
LJU	**V**	**15 12 34 08.6**	**45.7N**	**13.8E**	**0**				**¶97v2617**
LJU	Explosion								
ISC	**V**	**15 16 55 30**±5.4	**44.5N**±.34	**7.3E**±.29	**5**			**4**	**0-1**
NEIC	V	15 16 55 30.1	44.54N	7.34E	5				**¶97v2650**
ISC	Poorly determined								
NEIC	M_L1.8(GEN), Poor solution.								
ISC	**V**	**15 18 17 20**±4.8	**44.5N**±.34	**7.3E**±.31	**10**			**4**	**0-1**
NEIC	V	15 18 17 19.5	44.54N	7.32E	10				**¶97v2657**
ISC	Poorly determined								
NEIC	M_L1.8(GEN), Poor solution.								
ISC	**V**	**15 18 28 32**±3.6	**44.5N**±.13	**7.2E**±.49	**15**±52			**6**	**0-1**
NEIC	V	15 18 28 32.0	44.47N	7.25E	10				**¶97v2659**
NEIC	M_L2.0(GEN), Single network solution.								
ISC	**V**	**16 07 43 18**±2.1	**44.4N**±.13	**8.9E**±.20	**18**±15			**11**	**0-1**
NEIC	V	16 07 43 18.1	44.41N	8.82E	10				**¶97v2738**
NEIC	M_L1.9(GEN), Single network solution.								
ISC	**V**	**16 09 16 59.0**±.64	**44.39N**±.057	**7.38E**±.097	**12**±8.3			**12**	**0-1**
NEIC	V	16 09 16 58.8	44.40N	7.39E	10				**¶97v2747**
NEIC	M_L2.1(GEN), Single network solution.								
ISC	**V**	**16 18 44 28.1**±.99	**44.39N**±.073	**7.2E**±.14	**10**			**9**	**0-1**
NEIC	V	16 18 44 27.9	44.39N	7.23E	10				**¶97v2823**
NEIC	M_L1.8(GEN), Single network solution.								
ISC	**V**	**17 01 11 00**±1.2	**44.4N**±.11	**7.3E**±.27	**10**			**4**	**0-1**
NEIC	V	17 01 10 59.9	44.43N	7.25E	10				**¶97v2861**
ISC	Poorly determined								
NEIC	M_L1.3(GEN), Poor solution.								
ISC	**V**	**17 01 50 31.4**±.40	**44.78N**±.036	**10.75E**±.048	**5**			**39**	**1-5**
ROM	V	17 01 50 31.5	44.8N	10.7E	5	3.0D			**¶97v2866**
NEIC	V	17 01 50 33.2	44.78N	10.63E	10				
NEIC	M_L2.7(VIE).								
ISC	**V**	**17 08 08 17.0**±.52	**44.14N**±.035	**7.07E**±.058	**12**±7.8			**18**	**0-1**
NEIC	V	17 08 08 17.5	44.14N	7.12E	10				**¶97v2899**
LDG	V	17 08 08 17.8	44.1N	7.1E		1.9L			
NEIC	M_L2.1(GEN)								
ISC	**V**	**17 17 13 42.8**±.53	**44.40N**±.038	**7.13E**±.069	**10**			**16**	**0-1**
NEIC	V	17 17 13 43.2	44.43N	7.21E	10				**¶97v2962**
LDG	V	17 17 13 43.7	44.4N	7.1E		1.7L			
NEIC	M_L2.0(GEN)								
LDG	**V**	**17 22 41 30.6**	**44.0N**	**7.7E**		**1.6L**			**¶97v2995**
ISC	**V**	**19 06 48 52**±3.5	**44.28N**±.099	**7.5E**±.34	**0**			**5**	**0-1**
LDG	V	19 06 48 52.2	44.3N	7.6E		2.0L			**¶97v3213**
ISC	**V**	**19 09 53 09**±2.7	**44.27N**±.081	**7.4E**±.27	**0**			**6**	**0-1**
LDG	V	19 09 53 07.7	44.3N	7.6E		2.0L			**¶97v3235**
ISC	**V**	**19 14 28 10**±2.2	**44.26N**±.089	**8.2E**±.18	**0**			**9**	**0-2**
LDG	V	19 14 28 07.8	44.3N	8.5E		2.4L			**¶97v3266**
ISC	**V**	**20 15 15 37**±4.2	**45.6N**±.19	**13.8E**±.44	**18**			**6**	**0-1**
LJU	V	20 15 15 37.2	45.6N	13.93E	18				**¶97v3426**
ISC	Poorly determined								
ISC	**V**	**27 00 47 48**±2.3	**44.32N**±.079	**7.3E**±.23	**5**			**6**	**0-1**
NEIC	V	27 00 47 47.3	44.36N	7.46E	5				**¶97v4495**
LDG	V	27 00 47 48.4	44.3N	7.4E		1.7L			
NEIC	Single network solution.								
ISC	**V**	**28 09 55 28**±1.2	**46.6N**±.12	**10.67E**±.098	**10**			**12**	**0-3**
ZUR	V	28 09 55 27.0	46.44N	10.62E	10	2.3L			**¶97v4700**
ISC	**V**	**28 10 57 21.4**±.38	**46.51N**±.036	**10.67E**±.043	**2**			**42**	**0-6**
STR	V	28 10 57 15.6	46.51N	11.65E	2	3.3L			**¶97v4705**
LDG	V	28 10 57 16.5	46.5N	11.6E		2.8L			
ROM	V	28 10 57 21.6	46.5N	10.7E	5	2.7D			
ZUR	V	28 10 57 21.6	46.44N	10.59E	10	2.4L			
ISC	**V**	**29 11 12 38**±1.3	**44.44N**±.059	**7.2E**±.16	**10**			**7**	**0-1**
ROM	V	29 11 12 38.2	44.5N	7.3E	10	2.1D			**¶97v4860**
LDG	V	29 11 12 39.6	44.5N	7.2E		2.3L			
ISC	**V**	**29 11 31 22**±2.5	**44.36N**±.057	**7.6E**±.26	**10**			**8**	**0-1**
ROM	V	29 11 31 23.0	44.3N	7.5E	10	2.1D			**¶97v4862**
LDG	V	29 11 31 23.2	44.3N	7.6E		2.4L			
ISC	**V**	**29 15 05 35**±2.2	**45.6N**±.19	**14.0E**±.13	**0**			**4**	**0-1**
LJU	V	29 15 05 33.4	45.6N	13.9E	0				**¶97v4884**
ISC	Poorly determined								
LDG	**V**	**30 04 09 17.1**	**45.0N**	**7.6E**		**2.2L**			**¶97v4977**
ISC	**V**	**30 10 01 45**±3.6	**44.4N**±.14	**7.4E**±.31	**0**			**5**	**1-1**
LDG	V	30 10 01 45.5	44.4N	7.4E		2.2L			**¶97v5015**
ISC	**VI**	**02 09 26 36**±1.4	**44.42N**±.059	**7.6E**±.14	**0**			**9**	**0-2**
LDG	VI	02 09 26 38.4	44.4N	7.5E		2.4L			**¶97vi0217**
LJU	**VI**	**02 15 48 15.9**	**45.6N**	**13.9E**	**0**				**¶97vi0262**
ROM	**VI**	**02 17 43 04.6**	**44.0N**	**11.4E**	**10**	**2.3D**			**¶97vi0273**
ISC	**VI**	**03 14 54 05**±2.3	**44.1N**±.28	**11.7E**±.15	**10**			**4**	**0-1**
ROM	VI	03 14 54 04.8	44.1N	11.7E	10	2.6D			**¶97vi0471**
ISC	Poorly determined								
ROM	**VI**	**03 21 45 52.8**	**44.1N**	**11.1E**	**10**	**2.1D**			**¶97vi0520**
ROM	**VI**	**04 16 05 28.8**	**44.2N**	**9.8E**	**10**	**2.2D**			**¶97vi0642**
ISC	**VI**	**04 17 08 05.5**±.50	**44.96N**±.039	**9.91E**±.062	**10**			**33**	**0-5**
NEIC	VI	04 17 08 03.1	44.99N	10.13E	10				**¶97vi0650**
LDG	VI	04 17 08 04.9	45.0N	10.1E		2.5L			
ROM	VI	04 17 08 05.7	45.0N	10.0E	5	2.6D			
ZUR	VI	04 17 08 21.7	45.84N	9.40E	10	2.0L			
NEIC	Single network solution.								
ISC	**VI**	**04 19 32 13**±2.0	**45.06N**±.057	**10.0E**±.12	**10**±14			**22**	**0-5**
NEIC	VI	04 19 32 11.3	45.05N	10.12E	10				**¶97vi0662**
LDG	VI	04 19 32 13.4	45.0N	10.1E		2.5L			
ROM	VI	04 19 32 13.9	45.0N	9.9E	6	2.6D			
NEIC	Single network solution.								
ISC	**VI**	**04 19 32 58.2**±.67	**44.95N**±.054	**9.85E**±.082	**10**			**21**	**0-5**
NEIC	VI	04 19 32 49.8	45.20N	10.63E	10				**¶97vi0663**
LDG	VI	04 19 32 56.6	45.0N	10.1E		2.7L			
ROM	VI	04 19 32 57.8	44.9N	9.9E	4	2.7D			
NEIC	Poor solution.								
ROM	**VI**	**04 20 32 01.8**	**44.9N**	**9.9E**	**5**	**2.6D**			**¶97vi0671**
ROM	**VI**	**04 23 36 28.9**	**45.0N**	**9.8E**	**10**	**2.3D**			**¶97vi0685**
ROM	**VI**	**05 03 41 47.8**	**45.0N**	**9.9E**	**5**	**2.5D**			**¶97vi0707**
ISC	**VI**	**05 18 23 42**±1.2	**44.99N**±.034	**9.93E**±.049	**8**±9.6			**43**	**0-5**
LDG	VI	05 18 23 42.1	45.0N	10.1E		2.8L			**¶97vi0817**
ROM	VI	05 18 23 42.6	45.0N	9.9E	5	2.8D			
NEIC	VI	05 18 23 42.9	44.97N	9.78E	10				
STR	VI	05 18 23 45.6	44.66N	10.03E	5	3.0L			
ROM	**VI**	**05 18 32 22.6**	**45.0N**	**9.9E**	**10**	**2.2D**			**¶97vi0818**
LDG	VI	05 18 32 02.2	45.7N	7.3E		2.0L			
ISC	**VI**	**06 19 01 26**±2.1	**44.36N**±.086	**7.2E**±.23	**5**			**5**	**0-1**
NEIC	VI	06 19 01 25.6	44.40N	7.31E	5				**¶97vi0975**
LDG	VI	06 19 01 26.1	44.4N	7.3E		2.0L			
NEIC	Single network solution.								
ISC	**VI**	**08 07 05 14.0**±.97	**44.97N**±.037	**9.87E**±.057	**18**±13			**36**	**0-6**
LDG	VI	08 07 05 13.1	45.0N	10.1E		2.6L			**¶97vi1191**
ROM	VI	08 07 05 13.2	45.0N	9.9E	5	2.9D			
NEIC	VI	08 07 05 13.2	44.98N	9.83E	10				
ISC	**VI**	**09 00 12 31**±1.8	**44.33N**±.079	**7.2E**±.21	**0**			**5**	**0-1**
LDG	VI	09 00 12 30.9	44.3N	7.3E		1.5L			**¶97vi1303**
LDG	**VI**	**09 01 28 59.7**	**44.3N**	**7.3E**		**1.5L**			**¶97vi1308**
ISC	**VI**	**09 04 02 42**±1.7	**44.35N**±.077	**7.1E**±.21	**0**			**5**	**0-1**
LDG	VI	09 04 02 42.4	44.4N	7.2E		1.7L			**¶97vi1328**
ROM	**VI**	**09 04 36 58.5**	**44.4N**	**10.4E**	**6**	**2.2D**			**¶97vi1333**
ROM	**VI**	**09 06 26 25.7**	**44.4N**	**10.4E**	**7**	**2.2D**			**¶97vi1341**
ISC	**VI**	**10 03 13 18**±1.5	**44.1N**±.18	**11.62E**±.088	**16**			**12**	**0-4**
ROM	VI	10 03 13 19.6	44.0N	11.7E	16	2.6D			**¶97vi1470**
LDG	VI	10 03 13 22.4	43.8N	11.3E		2.3L			
ISC	**VI**	**11 13 50 30**±1.7	**44.34N**±.055	**7.3E**±.20	**5**			**7**	**0-1**
NEIC	VI	11 13 50 30.3	44.34N	7.37E	5				**¶97vi1697**
LDG	VI	11 13 50 30.6	44.3N	7.4E		2.3L			
NEIC	Single network solution.								
ROM	**VI**	**11 15 18 15.9**	**44.3N**	**10.4E**	**5**	**2.0D**			**¶97vi1706**
ISC	**VI**	**11 18 28 29**±1.0	**44.83N**±.044	**7.1E**±.11	**5**			**13**	**0-2**
NEIC	VI	11 18 28 29.3	44.87N	7.11E	5				**¶97vi1731**
LDG	VI	11 18 28 29.6	44.8N	7.1E		2.2L			
NEIC	Single network solution.								
ISC	**VI**	**11 23 50 37**±1.8	**44.5N**±.10	**7.3E**±.20	**16**±17			**14**	**0-1**
NEIC	VI	11 23 50 36.9	44.44N	7.27E	5				**¶97vi1773**
LDG	VI	11 23 50 37.4	44.4N	7.2E		1.9L			
NEIC	Single network solution.								

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
LJU	**VI 12 11 31 54.0**	**45.6N**	**13.8E**	**0**			**¶97vi1831**
LJU	**VI 12 12 46 05.6**	**45.5N**	**14.0E**	**7**			**¶97vi1848**
ISC	**VI 12 15 44 52**±1.9	**44.35N**±.075	**7.2E**±.21	**5**		**7**	**0-1**
NEIC	VI 12 15 44 51.3	44.38N	7.31E	5			**¶97vi1870**
LDG	VI 12 15 44 51.9	44.4N	7.3E		1.8L		
NEIC	Single network solution.						
ISC	**VI 13 01 44 32**±6.2	**45.5N**±.29	**7.1E**±.37	**5**		**6**	**0-2**
LDG	VI 13 01 44 34.2	45.5N	6.9E		1.7L		**¶97vi1922**
NEIC	VI 13 01 44 35.0	45.47N	6.81E	5			
NEIC	Single network solution.						
ROM	**VI 14 20 17 55.2**	**44.4N**	**10.6E**	**25**	**1.8D**		**¶97vi2168**
ISC	**VI 14 22 02 59**±1.0	**44.34N**±.062	**7.2E**±.11	**5**		**11**	**0-1**
NEIC	VI 14 22 02 58.6	44.36N	7.22E	5			**¶97vi2182**
LDG	VI 14 22 02 59.0	44.3N	7.2E		1.9L		
ISC	**VI 15 01 01 14**±3.6	**45.73N**±.084	**7.2E**±.33	**5**		**10**	**0-3**
NEIC	VI 15 01 01 14.6	45.72N	7.22E	5			**¶97vi2201**
LDG	VI 15 01 01 14.9	45.8N	7.2E		1.9L		
NEIC	Single network solution.						
ISC	**VI 15 22 40 44.1**±.69	**44.18N**±.060	**10.5E**±.10	**22**±12		**22**	**0-6**
NEIC	VI 15 22 40 40.7	44.21N	10.64E	5			**¶97vi2364**
ROM	VI 15 22 40 43.5	44.2N	10.5E	5	2.7D		
LDG	VI 15 22 40 44.7	44.2N	10.4E		2.5L		
NEIC	Single network solution.						
ISC	**VI 16 12 47 58.7**±.73	**45.13N**±.043	**7.84E**±.068	**9**±8.1		**25**	**0-3**
NEIC	VI 16 12 47 55.6	45.19N	8.07E	5			**¶97vi2461**
LDG	VI 16 12 47 57.8	45.1N	7.9E		2.5L		
NEIC	Poor solution.						
ISC	**VI 16 13 48 43**±1.9	**44.44N**±.050	**7.5E**±.22	**5**		**8**	**1-1**
NEIC	VI 16 13 48 43.7	44.45N	7.52E	5			**¶97vi2470**
LDG	VI 16 13 48 44.1	44.4N	7.5E		2.3L		
NEIC	Single network solution.						
ISC	**VI 16 14 38 26**±1.4	**45.89N**±.098	**12.0E**±.10	**7**±9.6		**18**	**0-5**
ROM	VI 16 14 38 26.2	46.0N	12.0E	4	2.5D		**¶97vi2480**
NEIC	VI 16 14 38 29.0	45.98N	12.00E	10			
NEIC	M_L2.8(VIE), Less reliable solution.						
LJU	**VI 17 11 50 02.4**	**45.6N**	**14.0E**	**0**			**¶97vi2614**
LJU	**VI 17 12 28 11.1**	**45.6N**	**13.7E**	**0**			**¶97vi2626**
LJU	**VI 17 15 02 17.7**	**45.51N**	**13.9E**	**0**			**¶97vi2649**
ISC	**VI 17 17 47 25**±1.8	**45.2N**±.13	**8.4E**±.11	**5**		**16**	**1-1**
ROM	VI 17 17 47 23.3	45.3N	8.6E	5	2.9D		**¶97vi2670**
ISC	**VI 18 02 11 00**±1.4	**44.26N**±.098	**10.7E**±.11	**5**		**6**	**0-1**
ROM	VI 18 02 10 58.9	44.3N	10.8E	5	2.3D		**¶97vi2715**
ISC	**VI 18 06 42 28**±2.3	**44.8N**±.12	**10.5E**±.40	**10**		**5**	**1-1**
ROM	VI 18 06 42 29.5	44.8N	10.7E	10	2.6D		**¶97vi2739**
ISC	**VI 18 12 59 42.2**±.78	**45.92N**±.056	**11.10E**±.074	**10**		**14**	**0-2**
NEIC	VI 18 12 59 39.2	45.59N	10.97E	10			**¶97vi2785**
ROM	VI 18 12 59 42.2	45.9N	11.1E	5	2.5D		
NEIC	M_L2.9(VIE), Less reliable solution.						
ISC	**VI 19 16 54 09**±3.6	**45.9N**±.29	**12.2E**±.16	**10**		**9**	**0-2**
NEIC	VI 19 16 54 08.3	45.78N	12.16E	10			**¶97vi2943**
LJU	VI 19 16 54 08.5	46.0N	12.2E	15			
NEIC	M_L2.5(VIE), Poor solution.						
ROM	**VI 20 13 05 00.4**	**44.3N**	**10.5E**	**10**	**2.4D**		**¶97vi3063**
ISC	**VI 20 18 48 38.7**±.37	**44.55N**±.028	**7.13E**±.047	**13**±4.7		**32**	**0-4**
NEIC	VI 20 18 48 38.8	44.55N	7.12E	5			**¶97vi3099**
LDG	VI 20 18 48 39.5	44.5N	7.1E		2.6L		
NEIC	Single network solution.						
ISC	**VI 20 19 06 08.7**±.46	**44.52N**±.034	**7.11E**±.064	**14**±6.0		**20**	**0-2**
NEIC	VI 20 19 06 09.6	44.52N	7.03E	5			**¶97vi3100**
LDG	VI 20 19 06 10.1	44.5N	7.0E		1.8L		
NEIC	Single network solution.						
ROM	**VI 21 09 31 09.6**	**44.0N**	**12.2E**	**18**	**2.4D**		**¶97vi3193**
ISC	**VI 21 12 56 31.9**±.81	**44.61N**±.032	**10.20E**±.037	**13**±7.0		**75**	**0-6**
NEIC	VI 21 12 56 30.9	44.56N	10.17E	10			**¶97vi3221**
LDG	VI 21 12 56 32.2	44.6N	10.2E		3.2L		
ROM	VI 21 12 56 33.7	44.5N	10.2E	11	3.0D		
STR	VI 21 12 56 38.3	44.54N	9.67E	5	3.3L		
NEIC	M_L3.5(VIE)						
LDG	**VI 22 16 26 37.9**	**44.3N**	**7.3E**		**1.8L**		**¶97vi3412**
ISC	**VI 23 17 05 51**±3.5	**44.13N**±.086	**7.5E**±.34	**0**		**5**	**0-1**
LDG	VI 23 17 05 51.6	44.1N	7.5E		1.9L		**¶97vi3561**
ISC	**VI 24 16 35 48.2**±.36	**44.54N**±.026	**10.46E**±.042	**10**		**82**	**0-6**
NEIC	VI 24 16 35 47.5	44.46N	10.46E	10			**¶97vi3750**
LDG	VI 24 16 35 48.7	44.5N	10.6E		3.4L		
ROM	VI 24 16 35 49.3	44.4N	10.5E	17	3.1D		
STR	VI 24 16 35 50.3	44.63N	10.38E	10	3.8L		
NEIC	M_L3.4(VIE).						
ISC	**VI 24 20 31 23**±10	**44.3N**±.65	**10.4E**±.33	**10**		**4**	**0-1**
ROM	VI 24 20 31 21.4	44.4N	10.4E	10	2.1D		**¶97vi3783**
ISC	Poorly determined						
ISC	**VI 24 20 57 16.2**±.56	**44.34N**±.040	**7.25E**±.059	**5**		**15**	**0-1**
NEIC	VI 24 20 57 16.1	44.36N	7.30E	5			**¶97vi3786**
LDG	VI 24 20 57 16.6	44.3N	7.3E		1.9L		
NEIC	Single network solution.						
ROM	**VI 25 03 05 24.0**	**44.5N**	**10.5E**	**21**	**2.3D**		**¶97vi3834**
ISC	**VI 25 22 41 30.5**±.70	**44.12N**±.046	**7.07E**±.073	**5**		**11**	**0-2**
NEIC	VI 25 22 41 30.4	44.12N	7.09E	5			**¶97vi4038**
LDG	VI 25 22 41 30.8	44.1N	7.2E		1.9L		
NEIC	Single network solution.						
ROM	**VI 25 22 55 08.3**	**44.4N**	**10.7E**	**21**	**1.8D**		**¶97vi4040**
ISC	**VI 26 14 51 13.2**±.49	**44.77N**±.027	**7.63E**±.048	**5**		**37**	**0-2**
NEIC	VI 26 14 51 11.3	44.81N	7.85E	5			**¶97vi4160**
LDG	VI 26 14 51 12.8	44.8N	7.8E		2.8L		
ROM	VI 26 14 51 13.1	44.8N	7.7E	10	2.5D		
NEIC	M_L2.5(STR).						
LJU	**VI 26 15 27 53.9**	**45.6N**	**13.9E**	**0**			**¶97vi4165**
ISC	**VI 27 12 58 08**±1.9	**44.45N**±.088	**7.5E**±.16	**5**		**7**	**1-2**
NEIC	VI 27 12 58 07.2	44.52N	7.70E	5			**¶97vi4298**
LDG	VI 27 12 58 09.4	44.5N	7.5E		2.5L		
NEIC	Single network solution.						
ISC	**VI 27 19 00 35.1**±.50	**45.74N**±.019	**7.46E**±.041	**5**±4.6		**66**	**0-5**
ROM	VI 27 19 00 35.0	45.7N	7.5E	11	2.6D		**¶97vi4351**
ZUR	VI 27 19 00 35.2	45.73N	7.45E	10	2.4L		
NEIC	VI 27 19 00 35.2	45.75N	7.46E	5			
STR	VI 27 19 00 36.3	45.76N	7.44E	2	3.1L		
LDG	VI 27 19 00 37.4	45.7N	7.4E		2.9L		
LDG	**VI 28 05 13 13.2**	**44.0N**	**7.3E**		**1.6L**		**¶97vi4424**
ISC	**VI 28 15 17 15.7**±.37	**44.53N**±.028	**10.52E**±.044	**10**		**72**	**0-7**
LDG	VI 28 15 17 15.3	44.5N	10.7E		3.2L		**¶97vi4493**
ROM	VI 28 15 17 17.1	44.4N	10.5E	16	3.0D		
STR	VI 28 15 17 18.2	44.66N	10.27E	5	3.4L		
NEIC	VI 28 15 17 19.8	44.71N	10.06E	10			
NEIC	M_L3.3(STR)						
NEIC	ML 3.0 (VIE).						
ISC	**VI 29 07 23 47**±1.6	**44.1N**±.16	**10.9E**±.12	**10**		**4**	**0-1**
ROM	VI 29 07 23 46.6	44.1N	10.9E	10	2.3D		**¶97vi4583**
ISC	Poorly determined						
ROM	**VI 30 01 25 33.3**	**44.2N**	**10.4E**	**10**	**2.1D**		**¶97vi4695**
LDG	**VI 30 09 53 47.5**	**44.4N**	**7.7E**		**2.1L**		**¶97vi4744**

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LJU	**I 02 08 38 19.9**	**46.5N**	**13.5E**	**11**			**¶97i0179**
LJU	**I 04 04 46 46.5**	**46.1N**	**13.6E**	**16**			**¶97i0480**
ISC	**I 10 09 20 12**±1.1	**47.4N**±.13	**11.9E**±.10	**10**		**6**	**0-2**
							¶97i1338
ISC	**I 13 11 54 00.2**±.83	**47.28N**±.074	**11.21E**±.088	**3**±12		**8**	**0-2**
NEIC	I 13 11 54 00.1	47.27N	11.21E	5			**¶97i1833**
NEIC	M_L1.8(VIE).						
ISC	**I 18 18 19 46.5**±.37	**46.38N**±.037	**13.07E**±.042	**10**		**36**	**0-15**
ROM	I 18 18 19 46.5	46.4N	13.1E	4	3.0D		**¶97i2697**
NEIC	I 18 18 19 46.6	46.22N	13.01E	10			
LJU	I 18 18 19 46.7	46.4N	13.0E	7			
NEIC	M_L2.7(VIE), Less reliable solution.						
ISC	**I 18 19 47 37.6**±.33	**46.38N**±.032	**13.17E**±.042	**10**		**53**	**0-5**
LDG	I 18 19 47 37.0	46.4N	13.5E	2	3.4L		**¶97i2711**
LJU	I 18 19 47 37.2	46.37N	13.0E	10			
ROM	I 18 19 47 37.7	46.4N	13.2E	5	3.3D		
NEIC	I 18 19 47 40.3	46.48N	12.94E	10			
NEIC	M_L3.2(VIE).						
NEIC	ML 2.8 (FUR).						
ISC	**I 28 05 26 20.9**±.53	**47.38N**±.040	**14.61E**±.058	**10**		**31**	**1-4**
NEIC	I 28 05 26 22.6	47.53N	14.88E	5			**¶97i4170**
SZGRF	I 28 05 26 26.2	47.63N	14.78E	10	2.8L		
NEIC	M_L2.9(VIE).						
ISC	**II 11 12 45 39**±1.1	**47.3N**±.12	**11.88E**±.098	**10**		**6**	**0-2**
NEIC	II 11 12 45 40.6	47.29N	11.69E	10			**¶97ii1630**
NEIC	M_L1.7(VIE), Single network solution.						
ISC	**II 15 13 20 22.2**±.54	**46.26N**±.053	**13.60E**±.064	**10**		**17**	**0-5**
ROM	II 15 13 20 21.1	46.3N	13.8E	10	2.5D		**¶97ii2239**
LJU	II 15 13 20 22.4	46.3N	13.7E	15			
NEIC	II 15 13 20 25.3	46.28N	13.79E	10			
LJU	Felt I=V EMS in Kamno, Slovenia.						
NEIC	M_L2.6(VIE), M_L2.5(LJU). ess reliable solution.						
NEIC	Felt I=IV MM at Kobarid, Slovenia.						
ISC	**II 17 10 53 39.0**±.44	**47.68N**±.034	**14.22E**±.053	**1**		**48**	**0-5**
SZGRF	II 17 10 53 39.8	47.62N	14.20E	1	3.3L		**¶97ii2476**
NEIC	II 17 10 53 40.5	47.70N	14.30E	5			
ROM	II 17 10 54 00.6	46.2N	13.2E	5	3.0D		
NEIC	M_L3.4(VIE)						
NEIC	Felt I=IV MM at Liezen.						
ISC	**II 20 01 10 23**±4.3	**47.10N**±.090	**11.2E**±.18	**14**±49		**6**	**0-0**
NEIC	II 20 01 10 23.3	47.10N	11.18E	10			**¶97ii2858**
NEIC	M_L1.1(VIE).						
ISC	**III 03 11 11 05.6**±.51	**47.35N**±.050	**11.04E**±.050	**10**		**24**	**0-3**
NEIC	III 03 11 11 05.7	47.29N	11.04E	10			**¶97iii0558**
SZGRF	III 03 11 11 06.8	47.37N	11.04E	10	2.9L		
NEIC	M_L2.5(FUR), M_L2.3(VIE).						
ISC	**III 08 18 32 36.8**±.53	**47.27N**±.046	**11.37E**±.057	**5**		**22**	**0-4**
SZGRF	III 08 18 32 36.3	47.20N	11.37E	10	2.4L		**¶97iii1812**
NEIC	III 08 18 32 36.5	47.25N	11.38E	5			
NEIC	M_L2.3(FUR), M_L2.0(VIE).						
ISC	**III 19 23 34 43.8**±.60	**47.16N**±.034	**11.25E**±.047	**2**±6.4		**52**	**0-62**
NEIC	III 19 23 34 44.2	47.17N	11.22E	5			**¶97iii3786**
SZGRF	III 19 23 34 46.2	47.20N	11.25E	10	2.4L		
STR	III 19 23 34 47.2	47.30N	11.20E	2	3.1L		
LDG	III 19 23 34 47.2	47.3N	11.2E	2	2.5L		
NEIC	M_L2.5(VIE).						
NEIC	ML 2.5 (FUR)						
ISC	**III 24 03 14 16.6**±.50	**47.04N**±.039	**14.30E**±.056	**5**		**23**	**1-4**
NEIC	III 24 03 14 19.6	47.09N	14.31E	5			**¶97iii4517**
NEIC	M_L2.9(GRF), M_L2.7(VIE). Less reliable solution.						
NEIC	Felt I=IV MM in the Metnitz Valley.						
LJU	**III 24 12 30 40.0**	**46.1N**	**13.7E**	**15**			**¶97iii4568**
NEIC	**III 26 12 28 53.1**	**47.52N**	**13.92E**	**10**			**0-2**
NEIC	M_L2.2(VIE), Single network solution.						**¶97iii4957**
ISC	**III 27 06 02 37.1**±.56	**47.31N**±.047	**11.72E**±.071	**7**±8.8		**15**	**0-3**
NEIC	III 27 06 02 37.9	47.27N	11.62E	5			**¶97iii5149**
NEIC	M_L2.7(FUR), M_L2.3(VIE).						
ISC	**III 30 04 18 02.4**±.57	**47.61N**±.043	**16.05E**±.060	**5**		**43**	**1-6**
NEIC	III 30 04 18 02.8	47.66N	16.04E	5			**¶97iii5693**
SZGRF	III 30 04 18 06.3	47.81N	15.95E	1	3.5L		
NEIC	M_L3.2(CLL), M_L3.1(VIE).Less reliable solution.						
NEIC	ML 2.8 (FUR). Felt I=IV MM at Ternitz.						
ISC	**IV 01 05 35 42.7**±.65	**46.06N**±.066	**13.48E**±.075	**5**		**14**	**0-3**
ROM	IV 01 05 35 41.4	46.2N	13.8E	11	2.5D		**¶97iv0024**
NEIC	IV 01 05 35 43.5	46.08N	13.81E	5			
LJU	IV 01 05 35 43.6	46.0N	13.5E	3			
NEIC	M_L2.3(VIE), Less reliable solution.						
LJU	**IV 09 01 19 01.9**	**46.3N**	**13.29E**	**13**			**¶97iv1439**
LJU	**IV 09 02 49 43.9**	**46.3N**	**13.3E**	**15**			**¶97iv1449**
ISC	**IV 14 10 03 03.2**±.64	**47.36N**±.068	**10.86E**±.058	**5**		**14**	**0-3**
NEIC	IV 14 10 03 03.4	47.31N	10.86E	5			**¶97iv2439**
NEIC	M_L2.2(VIE).						
ISC	**IV 15 22 32 48.6**±.75	**46.48N**±.061	**13.59E**±.083	**0**±12		**14**	**0-4**
LJU	IV 15 22 32 48.7	46.5N	13.69E	8			**¶97iv2661**
NEIC	IV 15 22 32 49.6	46.43N	13.68E	5			
LJU	Felt I=III−IV EMS in Ratece and Podkoren, Slovenia						
NEIC	M_L2.4(VIE), Less reliable solution.						
LJU	**IV 18 13 40 40.0**	**46.1N**	**13.5E**	**14**			**¶97iv3084**
LJU	**IV 19 03 53 23.5**	**46.1N**	**13.5E**	**16**			**¶97iv3150**
LJU	**IV 22 01 19 36.0**	**46.32N**	**13.4E**	**10**			**¶97iv3614**
ISC	**IV 24 07 21 14.1**±.89	**47.26N**±.075	**11.51E**±.082	**0**		**6**	**0-1**
NEIC	Felt I=III MSK at Hall, Tyrol (after WTTA)						**¶97iv4100**
ISC	**IV 25 13 16 04.7**±.45	**46.25N**±.040	**13.77E**±.051	**5**		**22**	**0-4**
ROM	IV 25 13 16 03.7	46.3N	13.9E	5	2.9D		**¶97iv4348**
LJU	IV 25 13 16 05.2	46.23N	13.8E	11			
LJU	Felt I=IV−V EMS in Zabce, Slovenia						

ISC IV 30 04 00 43.5±.79 **47.67N**±.052 **13.88E**±.082 **10** **20 0-4**
SZGRF IV 30 04 00 44.2 47.63N 14.25E 10 2.9L **¶97iv5161**
NEIC IV 30 04 00 44.5 47.60N 14.15E 5
NEIC M_L2.7(VIE). Less reliable solution.
NEIC Felt I=IV MM at Bad Mitterndorf.
ROM V 07 10 54 43.1 46.3N 13.3E 14 2.2D **¶97v1086**
ISC V 10 17 48 58.6±.54 **46.45N**±.046 **13.63E**±.064 **1**±9.5 **19 0-5**
ROM V 10 17 48 58.4 46.5N 13.7E 9 2.6D **¶97v1637**
LJU V 10 17 48 59.2 46.5N 13.7E 7
NEIC V 10 17 49 00.9 46.44N 13.77E 10
LJU Felt I=III EMS at Ratece, Kranjska Gora, Podkoren and Soca, Slovenia
NEIC M_L2.5(VIE), M_L2.0(LJU)
ISC V 10 19 29 14.8±.41 **48.10N**±.040 **16.70E**±.050 **10** **37 0-6**
NEIC V 10 19 29 15.3 48.11N 16.63E 10 **¶97v1652**
SZGRF V 10 19 29 17.2 48.2N 16.6E 10 3.5L
NEIC M_L3.2(VIE)
NEIC ML 2.9 (FUR). Felt I=V MM at Fischamend Markt.
SZGRF V 19 03 21 48.7 48.2N 15.6E 10 3.0L **¶97v3185**
LJU V 24 03 56 39.9 46.2N 13.8E 15 **¶97v4044**
ISC V 27 01 56 48.7±.38 **46.36N**±.034 **13.10E**±.047 **5** **32 0-5**
ROM V 27 01 56 48.9 46.4N 13.1E 5 2.8D **¶97v4501**
LJU V 27 01 56 49.4 46.4N 13.0E 9
SZGRF V 27 01 56 53.2 46.4N 13.1E 10 3.0L
ISC V 30 19 28 19.5±.31 **47.71N**±.030 **15.94E**±.036 **10** **95 0-11**
NEIC V 30 19 28 20.0 47.67N 16.07E 10 **¶97v5085**
SZGRF V 30 19 28 23.3 47.9N 15.9E 10 4.2L
LDG V 30 19 28 24.9 47.6N 15.8E 3.5L
STR V 30 19 28 28.6 47.61N 15.11E 15 3.9L
NEIC M_L3.4(VIE)
NEIC Felt I=V MM at Ternitz.
ISC VI 01 01 09 02.3±.23 **47.30N**±.024 **10.72E**±.028 **10** **93 0-9**
MOS VI 01 01 09 01.7 47.3N 10.8E 10 4.0b **¶97vi0007**
NEIC VI 01 01 09 01.9 47.25N 10.76E 5
SZGRF VI 01 01 09 04.0 47.3N 10.7E 23 3.2L
LDG VI 01 01 09 04.8 47.3N 10.6E 3.2L
ROM VI 01 01 09 05.2 47.2N 10.8E 5 2.9D
STR VI 01 01 09 06.4 47.29N 10.47E 8 3.4L
NEIC M_L3.2(VIE)
NEIC Felt I=IV MM at Imst.
ISC VI 03 21 01 58.2±.54 **47.76N**±.045 **15.74E**±.069 **0** **20 1-4**
ISC Felt I=IV MSK (after WTTA) **¶97vi0512**
ISC $ML_{2.6}$(VKA), $ML_{3.3}$(MOA), $ML_{2.8}$(WTTA)
LJU VI 05 06 45 03.9 46.0N 13.5E 0 **¶97vi0721**
ISC VI 05 20 22 57.4±.40 **47.31N**±.017 **10.70E**±.022 **3**±3.6 **172 0-12**
NEIC VI 05 20 22 56.9 47.34N 10.69E 5 **¶97vi0826**
MOS VI 05 20 22 57.4 47.3N 10.8E 10 4.0s
LEDBW VI 05 20 22 57.9 47.22N 10.77E 15 4.4L
LDG VI 05 20 23 00.9 47.3N 10.6E 4.1L
ROM VI 05 20 23 01.8 47.1N 10.9E 5 3.9D
SZGRF VI 05 20 23 02.1 47.4N 10.8E 37 4.5L
STR VI 05 20 23 02.4 47.30N 10.50E 6 4.3L
NEIC M_L4.4(CLL).
LEDBW Felt I=V MSK
ISC VI 06 03 20 28.6±.82 **47.25N**±.051 **10.8E**±.11 **8**±13 **18 0-3**
NEIC VI 06 03 20 29.0 47.06N 10.85E 10 **¶97vi0874**
ISC Felt I=III−IV MSK (after WTTA)
ISC $ML_{2.5}$(MOTA), $ML_{3.1}$(MOA), $ML_{1.9}$(WATA)
NEIC Less reliable solution.
ISC VI 06 21 46 35.6±.58 **47.28N**±.043 **10.81E**±.065 **10** **15 0-3**
NEIC VI 06 21 46 40.2 47.17N 10.32E 10 **¶97vi1000**
ISC Felt I=III MSK at Imst (after WTTA)
NEIC Less reliable solution.
ISC VI 07 03 53 14.7±.27 **47.30N**±.024 **10.70E**±.032 **10** **78 0-8**
NEIC VI 07 03 53 16.4 47.20N 10.44E 10 **¶97vi1037**
SZGRF VI 07 03 53 17.7 47.3N 10.8E 15 3.1L
ROM VI 07 03 53 18.7 47.0N 10.8E 5 2.8D
STR VI 07 03 53 19.0 47.28N 10.46E 10 3.1L
LDG VI 07 03 53 19.7 47.3N 10.5E 2.9L
NEIC Felt I=III MM at Imst.
ISC VI 09 04 11 53.1±.38 **47.28N**±.037 **10.78E**±.043 **10** **40 0-6**
LDG VI 09 04 11 56.7 47.3N 10.6E 2.7L **¶97vi1331**
NEIC VI 09 04 11 57.6 47.22N 10.26E 10
NEIC M_L2.7(GRF)
LJU VI 11 04 22 59.4 46.4N 13.1E 11 **¶97vi1612**
ISC VI 11 12 54 57.5±.69 **47.23N**±.061 **10.75E**±.066 **10** **14 0-3**
NEIC VI 11 12 54 57.7 47.23N 10.79E 10 **¶97vi1693**
NEIC M_L2.1(VIE).
ISC VI 12 20 47 27.0±.53 **47.30N**±.044 **10.79E**±.055 **10** **20 0-5**
NEIC VI 12 20 47 27.4 47.25N 10.81E 10 **¶97vi1895**
SZGRF VI 12 20 47 28.1 47.2N 10.8E 10 2.2L
NEIC M_L1.9(VIE).
ISC VI 22 12 05 35.7±.52 **47.37N**±.037 **11.52E**±.070 **10** **20 0-4**
SZGRF VI 22 12 05 36.5 47.3N 11.6E 10 2.4L **¶97vi3380**
LJU VI 25 20 36 41.3 46.3N 13.55E 7 **¶97vi4028**
LJU VI 25 23 45 07.7 46.1N 13.6E 16 **¶97vi4046**
LJU VI 27 13 30 26.4 46.3N 13.3E 10 **¶97vi4303**
ISC VI 28 02 44 59.2±.24 **47.62N**±.022 **12.52E**±.030 **10** **111 0-11**
MOS VI 28 02 44 58.3 47.6N 12.7E 10 4.0s **¶97vi4402**
NEIC VI 28 02 44 58.6 47.61N 12.51E 5
SZGRF VI 28 02 44 58.7 47.5N 12.7E 10 3.6L
LDG VI 28 02 45 03.4 47.6N 12.4E 3.3L
STR VI 28 02 45 04.3 47.63N 12.24E 5 3.7L
ROM VI 28 02 45 07.6 47.1N 12.5E 10 3.2D
NEIC M_L3.7(VIE)
NEIC ML 3.5 (CLL), 3.4 (FUR). Felt I=IV MM at Zell-am-See.
LJU VI 28 20 46 37.5 46.3N 13.3E 15 **¶97vi4521**

(547) Czech and Slovak Republics.

ISC I 13 10 01 35.0±.97 **50.7N**±.11 **15.74E**±.092 **0** **10 0-10**
NEIC I 13 10 01 35.7 50.74N 15.72E 5 **¶97i1817**
NEIC Poor solution.
ISC II 04 02 15 01.5±.79 **50.16N**±.055 **14.01E**±.090 **0** **10 0-2**
SZGRF II 04 02 15 03.6 50.20N 14.04E 2.0L **¶97ii0446**
ISC II 08 21 37 13.2±.69 **49.74N**±.070 **18.38E**±.071 **0** **15 0-5**
ISC Probably mining induced (after WAR) **¶97ii1209**
ISC II 16 19 09 31.5±.81 **49.77N**±.077 **18.48E**±.081 **5** **15 0-4**
NEIC II 16 19 09 32.1 49.74N 18.48E 5 **¶97ii2407**
NEIC Poor solution.
ISC II 17 05 03 39.4±.63 **48.70N**±.055 **18.67E**±.077 **10** **19 1-5**
NEIC II 17 05 03 39.9 48.68N 18.67E 10 **¶97ii2454**
NEIC M_L2.6(BRA).
ISC II 18 02 20 34.7±.87 **50.14N**±.052 **13.96E**±.092 **0** **12 0-2**
SZGRF II 18 02 20 35.8 50.16N 14.13E 2.2L **¶97ii2592**
ISC II 25 04 57 07.8±.71 **49.76N**±.097 **18.47E**±.073 **0** **11 0-4**
ISC Probably mining induced (after WAR) **¶97ii3583**
ISC III 07 22 51 07.4±.42 **50.00N**±.035 **18.68E**±.055 **0** **52 0-20**
NEIC III 07 22 51 08.3 49.95N 18.70E 10 **¶97iii1618**
EIDC III 07 22 51 08.9 49.9N 18.6E 0 3.6L
SZGRF III 07 22 51 12.1 49.90N 18.46E 1 3.8L
ISC Probably mining induced
NEIC ML 3.3 (GRF), M_L3.5(VIE).
ISC III 19 10 54 38.7±.67 **49.79N**±.074 **18.44E**±.075 **0** **12 0-3**
¶97iii3691
ISC III 21 17 33 19.4±.96 **49.74N**±.090 **18.0E**±.10 **0** **8 0-3**
¶97iii4108
ISC III 27 03 43 22.3±.81 **50.12N**±.055 **13.91E**±.081 **10** **12 0-3**
NEIC III 27 03 43 24.2 50.15N 14.12E 10 **¶97iii5131**
NEIC M_L2.8(VIE).
ISC VI 03 13 25 52.7±.84 **49.75N**±.095 **18.46E**±.083 **0** **7 0-2**
¶97vi0467

(548) Poland.

ISC I 01 20 45 13±2.2 **51.6N**±.18 **16.2E**±.12 **0** **12 1-4**
ISC Probably mining induced (after WAR) **¶97i0116**
ISC I 02 00 40 35.7±.47 **51.68N**±.037 **16.24E**±.064 **0** 3.3b **40 1-60**
NEIC I 02 00 40 36.3 51.73N 16.10E 5 **¶97i0145**
EIDC I 02 00 40 37.6 51.6N 16.2E 0 3.5L,3.3b
SZGRF I 02 00 40 38.3 51.60N 16.17E 1 3.6L
WAR I 02 00 40 40.2 51.5N 16.0E 3.2
NEIC M_L3.5(VIE).
WAR Mining induced
ISC I 02 10 11 33±3.0 **51.7N**±.23 **16.0E**±.11 **0** **10 1-3**
ISC Probably mining induced (after WAR) **¶97i0188**
ISC I 02 10 56 58.4±.50 **51.67N**±.042 **16.25E**±.068 **0** **29 1-18**
NEIC I 02 10 56 59.7 51.67N 16.20E 10 **¶97i0196**
EIDC I 02 10 57 00.4 51.6N 16.3E 0 3.5L
SZGRF I 02 10 57 02.3 51.49N 16.12E 1 3.1L
WAR I 02 10 57 02.9 51.5N 16.1E 2.8
NEIC M_L3.4(VIE).
WAR Mining induced
ISC I 03 17 15 59±1.9 **51.1N**±.14 **15.9E**±.12 **0** **8 0-3**
ISC Probably mining induced (after WAR) **¶97i0406**
ISC I 07 05 23 57±1.4 **51.2N**±.14 **15.79E**±.095 **0** **15 1-12**
EIDC I 07 05 23 51.3 51.5N 16.5E 0 3.3L **¶97i0882**
WAR I 07 05 23 54.4 51.4N 16.2E 2.5
NEIC I 07 05 23 56.5 51.26N 15.87E 5
WAR Mining induced
NEIC M_L2.7(MOX), Less reliable solution.
ISC I 07 23 52 23±1.8 **51.4N**±.13 **16.04E**±.093 **0** **8 1-3**
NEIC I 07 23 52 33.4 50.85N 16.05E 5 **¶97i0993**
ISC Probably mining induced (after WAR)
NEIC M_L2.5(MOX), Less reliable solution.
ISC I 10 04 25 26.8±.62 **51.65N**±.047 **16.28E**±.072 **0** 3.2b **35 1-60**
NEIC I 10 04 25 27.1 51.67N 15.79E 5 **¶97i1310**
EIDC I 10 04 25 29.1 51.7N 15.9E 0 3.3L,3.2b
WAR I 10 04 25 31 51.48N 16.10E 3.0
SZGRF I 10 04 25 34.8 51.21N 16.07E 1 3.3L
NEIC M_L3.6(VIE)
NEIC ML 3.3 (MOX).
WAR Mining induced
ISC I 11 09 30 48±8.5 **51.3N**±.68 **16.0E**±.26 **0** **5 2-3**
ISC Probably mining induced (after WAR) **¶97i1502**
ISC I 15 05 09 54±2.2 **51.7N**±.16 **16.01E**±.096 **0** **10 1-3**
NEIC I 15 05 10 02.4 51.09N 15.65E 5 **¶97i2099**
ISC Probably mining induced (after WAR)
NEIC M_L2.5(MOX), Less reliable solution.
ISC I 15 08 14 23.4±.75 **51.74N**±.059 **15.98E**±.086 **0** **13 1-11**
EIDC I 15 08 14 24.1 51.4N 16.7E 0 3.3L **¶97i2122**
NEIC I 15 08 14 24.5 51.73N 16.06E 5
ISC Probably mining induced (after WAR)
NEIC M_L2.6(MOX), M_L2.3(CLL), Less reliable solution.
ISC I 15 12 24 05.2±.54 **51.70N**±.044 **16.03E**±.083 **0** 3.3b **26 1-60**
NEIC I 15 12 24 05.4 51.66N 16.07E 5 3.4b **¶97i2155**
EIDC I 15 12 24 06.3 51.6N 16.1E 0 3.5L
WAR I 15 12 24 09.4 51.5N 16.1E 2.9
NEIC M_L3.6(GRF), M_L3.6(VIE).
NEIC ML 3.2 (MOX).
WAR Mining induced
ISC I 16 20 42 31±3.1 **51.4N**±.22 **16.0E**±.17 **0** **6 1-3**
ISC Probably mining induced (after WAR) **¶97i2357**
ISC I 17 10 57 14±1.3 **50.3N**±.12 **18.89E**±.078 **0** **11 1-4**
WAR I 17 10 57 14.7 50.2N 18.9E 3.1 **¶97i2432**
WAR Mining induced
ISC I 17 11 06 13±1.7 **51.4N**±.13 **16.01E**±.092 **0** **10 1-3**
ISC Probably mining induced (after WAR) **¶97i2433**
ISC I 17 11 24 25±4.6 **50.4N**±.45 **18.8E**±.20 **0** **4 1-2**
ISC Probably mining induced (after WAR), Poorly determined **¶97i2438**
ISC I 17 21 45 03±2.0 **51.6N**±.16 **16.1E**±.12 **0** **11 1-4**
NEIC I 17 21 45 03.4 51.60N 16.15E 5 **¶97i2539**
ISC Probably mining induced (after WAR)
NEIC M_L2.5(MOX), M_L2.1(CLL), Less reliable solution.
ISC I 20 18 27 34±2.3 **51.7N**±.18 **16.1E**±.11 **0** **10 1-4**
NEIC I 20 18 27 42.4 51.13N 15.76E 5 **¶97i3061**
ISC Probably mining induced (after WAR)
NEIC M_L2.7(MOX), M_L2.2(CLL), Less reliable solution.
ISC I 21 17 26 30±6.5 **50.3N**±.16 **18.3E**±.61 **0** **5 0-3**
ISC Probably mining induced (after WAR) **¶97i3210**
ISC I 22 19 42 36±3.2 **51.6N**±.22 **16.1E**±.19 **0** **10 1-4**
NEIC I 22 19 42 41.3 51.30N 15.95E 5 **¶97i3375**
ISC Probably mining induced (after WAR)
NEIC M_L2.3(CLL), Less reliable solution.
ISC I 22 20 12 57.9±.45 **51.64N**±.040 **16.20E**±.060 **0** 3.3b **41 1-60**
NEIC I 22 20 12 58.3 51.61N 16.32E 5 **¶97i3377**
EIDC I 22 20 12 59.5 51.5N 16.3E 0 3.4L,3.2b
SZGRF I 22 20 13 01.3 51.40N 16.25E 1 3.5L
WAR I 22 20 13 02.1 51.5N 16.1E 2.8
NEIC M_L3.6(VIE).
WAR Mining induced

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I 24 01 36 41**±1.8	**51.2N**±.16	**15.8E**±.12	**0**		**9**	**0-3**
ISC	Probably mining induced (after WAR)						¶97i3580
ISC	**I 25 12 23 18.9**±.45	**51.63N**±.035	**16.16E**±.069	**0**	3.6b	**43**	**1-60**
NEIC	I 25 12 23 19.5	51.64N	16.15E	5	3.4b		¶97i3812
EIDC	I 25 12 23 21.0	51.6N	16.1E	0	3.6L,3.4b		
SZGRF	I 25 12 23 21.7	51.46N	16.22E	1	3.6L		
WAR	I 25 12 23 23	51.48N	16.09E		3.0		
NEIC	$M_{L3.5}$(VIE).						
WAR	Mining induced						
ISC	**I 25 13 05 33.7**±.53	**51.62N**±.044	**16.35E**±.090	**0**	3.4b	**29**	**1-60**
NEIC	I 25 13 05 34.5	51.62N	16.32E	5	3.2b		¶97i3816
EIDC	I 25 13 05 35.4	51.6N	16.6E	0	3.4L,3.3b		
WAR	I 25 13 05 37.6	51.4N	16.2E		2.8		
SZGRF	I 25 13 05 38.2	51.29N	16.27E	1	3.4L		
NEIC	$M_{L3.8}$(VIE), $M_{L3.6}$(GRF).						
WAR	Mining induced						
ISC	**I 26 15 40 25.2**±.90	**51.68N**±.068	**16.0E**±.16	**0**		**9**	**2-11**
NEIC	I 26 15 40 25.8	51.68N	16.25E	5			¶97i3961
EIDC	I 26 15 40 26.9	51.6N	16.3E	0	3.0L		
ISC	Probably mining induced (after WAR)						
NEIC	Less reliable solution.						
ISC	**I 30 12 09 17.7**±.87	**51.60N**±.062	**16.2E**±.11	**0**		**11**	**1-11**
NEIC	I 30 12 09 18.7	51.60N	16.44E	5			¶97i4482
EIDC	I 30 12 09 20.2	51.5N	16.2E	0	3.2L		
WAR	I 30 12 09 52.7	51.5N	16.1E		2.9		
NEIC	$MG_{3.1}$(WAR).						
WAR	Mining induced						
ISC	**I 30 15 15 46.2**±.93	**50.0N**±.12	**19.13E**±.077	**0**		**11**	**0-5**
WAR	I 30 15 15 46.0	50.1N	19.1E		2.9		¶97i4503
WAR	Mining induced						
ISC	**I 30 21 21 46.8**±.69	**50.42N**±.061	**18.90E**±.070	**0**		**15**	**1-12**
EIDC	I 30 21 21 47.8	50.3N	19.0E	0	3.3L		¶97i4541
NEIC	I 30 21 21 48.2	50.45N	18.98E	10			
WAR	I 30 21 21 48.9	50.3N	18.9E		3.0		
NEIC	MG2.9(WAR), Less reliable solution.						
WAR	Mining induced						
ISC	**II 01 12 22 58**±1.6	**51.6N**±.12	**16.2E**±.12	**0**		**17**	**1-4**
NEIC	II 01 12 22 58.6	51.54N	16.24E	5			¶97ii0070
WAR	II 01 12 23 01.2	51.5N	16.1E		2.7		
NEIC	$M_{L2.3}$(CLL), Less reliable solution.						
WAR	Mining induced						
ISC	**II 01 16 15 51**±2.7	**51.7N**±.23	**16.2E**±.12	**0**		**8**	**2-3**
NEIC	II 01 16 16 01.6	51.10N	15.77E	10			¶97ii0099
ISC	Probably mining induced (after WAR)						
NEIC	$M_{L2.1}$(CLL), Less reliable solution.						
ISC	**II 04 04 47 28**±1.4	**50.4N**±.12	**18.85E**±.079	**0**		**12**	**1-4**
WAR	II 04 04 47 29.5	50.4N	18.9E		2.8		¶97ii0463
WAR	Mining induced						
ISC	**II 04 14 28 39.6**±.53	**51.67N**±.042	**16.08E**±.072	**0**		**22**	**1-18**
NEIC	II 04 14 28 40.6	51.69N	16.08E	5			¶97ii0544
EIDC	II 04 14 28 41.8	51.6N	16.1E	0	3.3L		
WAR	II 04 14 28 44.1	51.5N	16.0E		3.1		
NEIC	$M_{L3.6}$(VIE).						
WAR	Mining induced						
ISC	**II 05 03 35 38**±3.0	**51.6N**±.20	**16.0E**±.16	**0**		**7**	**1-3**
ISC	Probably mining induced (after WAR)						¶97ii0635
ISC	**II 06 06 23 36.9**±.80	**51.67N**±.056	**15.91E**±.089	**0**		**12**	**1-11**
NEIC	II 06 06 23 37.8	51.67N	16.34E	5			¶97ii0806
EIDC	II 06 06 23 38.7	51.6N	15.9E	0	3.0L		
ISC	Probably mining induced						
ISC	**II 06 20 41 37.0**±.56	**51.66N**±.044	**16.15E**±.085	**0**		**19**	**1-18**
NEIC	II 06 20 41 38.1	51.69N	16.10E	5			¶97ii0904
EIDC	II 06 20 41 39.1	51.6N	16.2E	0	3.2L		
WAR	II 06 20 41 41.3	51.5N	16.1E		2.6		
NEIC	$M_{L3.2}$(VIE).						
WAR	Mining induced						
ISC	**II 07 04 19 45.3**±.49	**51.65N**±.038	**16.25E**±.071	**0**	3.4b	**33**	**1-60**
NEIC	II 07 04 19 45.5	51.66N	16.30E	5	3.1b		¶97ii0943
EIDC	II 07 04 19 47.2	51.6N	16.2E	0	3.4L,3.3b		
SZGRF	II 07 04 19 48.7	51.46N	16.23E	1	3.3L		
ISC	Probably mining induced (after WAR)						
NEIC	$M_{L3.3}$(VIE).						
ISC	**II 07 13 07 42.7**±.89	**50.0N**±.10	**19.16E**±.086	**0**		**8**	**0-4**
WAR	II 07 13 07 42.5	50.1N	19.1E		2.9		¶97ii0989
WAR	Mining induced						
ISC	**II 08 12 09 02.4**±.56	**51.58N**±.041	**16.3E**±.10	**0**	3.1b	**22**	**1-60**
NEIC	II 08 12 09 03.1	51.59N	16.21E	5			¶97ii1138
EIDC	II 08 12 09 04.9	51.5N	16.2E	0	3.3L,3.0b		
WAR	II 08 12 09 06	51.46N	16.12E		2.8		
NEIC	$M_{L3.4}$(VIE), $M_{L2.7}$(CLL).						
WAR	Mining induced						
ISC	**II 08 14 21 53.7**±.78	**51.64N**±.061	**16.15E**±.092	**0**		**11**	**1-11**
EIDC	II 08 14 21 56.2	51.5N	16.0E	0	2.8L		¶97ii1151
ISC	Probably mining induced (after WAR)						
ISC	**II 12 11 09 44.7**±.55	**51.69N**±.043	**16.16E**±.083	**0**	3.5b	**37**	**1-60**
NEIC	II 12 11 09 45.2	51.71N	16.14E	5	3.4b		¶97ii1748
EIDC	II 12 11 09 46.4	51.6N	16.1E	0	3.5L,3.4b		
SZGRF	II 12 11 09 48.7	51.39N	16.18E	1	3.8L		
WAR	II 12 11 09 49.0	51.5N	16.0E		3.2		
NEIC	$M_{L3.7}$(VIE).						
WAR	Mining induced						
ISC	**II 13 05 40 22**±1.1	**51.48N**±.085	**16.07E**±.082	**0**		**33**	**1-11**
NEIC	II 13 05 40 19.4	51.70N	16.18E	5			¶97ii1879
EIDC	II 13 05 40 20.6	51.6N	16.4E	0	3.6L		
SZGRF	II 13 05 40 22.3	51.51N	16.13E	1	3.3L		
WAR	II 13 05 40 22.9	51.5N	16.1E		3.2		
NEIC	$M_{L3.3}$(VIE).						
WAR	Mining induced						
ISC	**II 14 07 57 39.4**±.52	**51.72N**±.041	**16.19E**±.069	**0**	3.6b	**42**	**1-60**
NEIC	II 14 07 57 39.9	51.73N	16.16E	5	3.5b		¶97ii2040
EIDC	II 14 07 57 40.8	51.7N	16.1E	0	3.4L,3.5b		
SZGRF	II 14 07 57 43.5	51.44N	16.12E	1	3.6L		
WAR	II 14 07 57 44.2	51.5N	16.0E		3.2		
NEIC	$M_{L3.6}$(VIE).						
WAR	Mining induced						
ISC	**II 15 07 22 23.2**±.62	**50.58N**±.048	**18.84E**±.075	**0**		**18**	**1-19**
NEIC	II 15 07 22 24.1	50.60N	18.89E	5			¶97ii2191
EIDC	II 15 07 22 25.6	50.6N	18.7E	0	3.2L		
WAR	II 15 07 22 26.6	50.4N	18.8E		3.2		
NEIC	MG3.2(WAR), Less reliable solution.						
WAR	Mining induced						
ISC	**II 18 05 29 41.0**±.52	**51.67N**±.041	**16.22E**±.070	**0**	3.5b	**38**	**1-60**
NEIC	II 18 05 29 41.5	51.68N	16.19E	5			¶97ii2604
EIDC	II 18 05 29 42.8	51.6N	16.1E	0	3.4L,3.4b		
SZGRF	II 18 05 29 43.4	51.52N	16.24E	1	3.4L		
WAR	II 18 05 29 44.9	51.5N	16.1E		2.9		
NEIC	$M_{L3.5}$(VIE).						
WAR	Mining induced						
ISC	**II 18 21 09 51**±1.6	**51.5N**±.13	**16.05E**±.096	**0**		**11**	**1-4**
NEIC	II 18 21 09 56.6	51.11N	15.77E	5			¶97ii2690
ISC	Probably mining induced (after WAR)						
NEIC	Less reliable solution.						
ISC	**II 20 03 41 35**±1.1	**50.3N**±.11	**18.86E**±.073	**0**		**11**	**0-4**
WAR	II 20 03 41 36.6	50.2N	18.9E		2.8		¶97ii2872
WAR	Mining induced						
ISC	**II 20 20 19 16.4**±.81	**50.0N**±.10	**18.57E**±.071	**0**		**12**	**0-4**
WAR	II 20 20 19 17.2	50.02N	18.56E		2.8		¶97ii2973
WAR	Mining induced						
ISC	**II 21 20 24 13.6**±.75	**51.65N**±.060	**16.02E**±.091	**0**		**12**	**1-11**
NEIC	II 21 20 24 13.8	51.62N	16.27E	5			¶97ii3118
EIDC	II 21 20 24 15.3	51.5N	16.1E	0	2.9L		
ISC	Probably mining induced (after WAR)						
NEIC	MG2.4(WAR), Less reliable solution.						
ISC	**II 22 04 25 44.3**±.50	**51.62N**±.039	**16.25E**±.078	**0**	3.2b	**34**	**1-60**
NEIC	II 22 04 25 45.0	51.63N	16.21E	5			¶97ii3168
EIDC	II 22 04 25 46.5	51.5N	16.3E	0	3.3L,3.1b		
SZGRF	II 22 04 25 46.7	51.52N	16.16E	1	3.1L		
WAR	II 22 04 25 48	51.48N	16.09E		2.7		
NEIC	$M_{L3.4}$(VIE).						
WAR	Mining induced						
ISC	**II 22 10 52 32.1**±.37	**51.62N**±.032	**16.17E**±.061	**0**	**3.5b**	**53**	**1-75**
NEIC	II 22 10 52 32.7	51.63N	16.17E	5	3.8b		¶97ii3196
EIDC	II 22 10 52 33.6	51.6N	16.0E	0	3.7L,3.6b		
SZGRF	II 22 10 52 34.6	51.40N	16.22E	1	3.8L		
WAR	II 22 10 52 35.9	51.5N	16.1E		3.5		
NEIC	$M_{L3.9}$(VIE).						
NEIC	ML 3.9 (FUR).						
WAR	Mining induced						
ISC	**II 22 12 07 33.9**±.39	**51.63N**±.033	**16.18E**±.064	**0**	3.6b	**47**	**1-60**
NEIC	II 22 12 07 34.4	51.63N	16.18E	5	3.6b		¶97ii3201
EIDC	II 22 12 07 36.1	51.6N	16.1E	0	3.5L,3.5b		
SZGRF	II 22 12 07 36.6	51.42N	16.22E	1	3.6L		
WAR	II 22 12 07 37.7	51.5N	16.1E				
NEIC	$M_{L3.9}$(GRF), $M_{L3.5}$(VIE).						
WAR	Probably mining induced						
ISC	**II 22 12 29 02.7**±.71	**51.62N**±.057	**16.2E**±.10	**0**		**11**	**2-11**
NEIC	II 22 12 29 03.7	51.65N	16.33E	5			¶97ii3203
EIDC	II 22 12 29 04.9	51.6N	16.1E	0	2.4L		
ISC	Probably mining induced (after WAR)						
NEIC	Less reliable solution.						
ISC	**II 23 14 09 08.9**±.53	**50.56N**±.044	**18.87E**±.067	**0**		**22**	**1-19**
NEIC	II 23 14 09 09.5	50.56N	18.89E	5			¶97ii3337
EIDC	II 23 14 09 10.0	50.5N	18.8E	0	3.3L		
WAR	II 23 14 09 11.9	50.4N	18.8E		3.3		
NEIC	$M_{L3.2}$(VIE).						
WAR	Mining induced						
ISC	**II 24 20 45 39**±2.0	**51.4N**±.17	**15.7E**±.14	**0**		**5**	**1-3**
ISC	Probably mining induced (after WAR)						¶97ii3538
ISC	**II 24 22 40 01.6**±.57	**51.68N**±.046	**16.20E**±.080	**0**		**28**	**1-18**
NEIC	II 24 22 40 01.9	51.68N	16.18E	5			¶97ii3546
EIDC	II 24 22 40 02.3	51.6N	16.2E	0	3.1L		
WAR	II 24 22 40 05.3	51.5N	16.1E		2.8		
SZGRF	II 24 22 40 07.7	51.43N	16.02E	1	3.2L		
NEIC	$M_{L3.6}$(VIE).						
WAR	Mining induced						
ISC	**II 26 00 52 44**±2.2	**51.4N**±.17	**15.8E**±.12	**0**		**8**	**1-3**
NEIC	II 26 00 52 44.6	51.40N	15.97E	5			¶97ii3720
ISC	Probably mining induced (after WAR)						
NEIC	Poor solution.						
ISC	**II 26 06 52 25**±1.6	**51.5N**±.13	**16.0E**±.11	**0**		**17**	**1-4**
NEIC	II 26 06 52 24.2	51.60N	16.09E	5			¶97ii3755
WAR	II 26 06 52 26.5	51.5N	16.0E		2.9		
SZGRF	II 26 06 52 27.3	51.44N	16.03E	1	3.1L		
NEIC	Less reliable solution.						
WAR	Mining induced						
ISC	**III 01 12 13 55.6**±.39	**51.66N**±.033	**16.17E**±.057	**0**	3.6b	**48**	**1-60**
NEIC	III 01 12 13 56.5	51.64N	16.16E	5			¶97iii0105
EIDC	III 01 12 13 57.8	51.6N	16.1E	0	3.6L,3.6b		
WAR	III 01 12 14 00	51.52N	16.11E		3.3		
NEIC	$M_{L4.0}$(GRF), $M_{L3.7}$(VIE).						
NEIC	ML 3.7 (FUR), 3.3 (CLL).						
WAR	Mining induced						
ISC	**III 01 21 41 46.9**±.63	**50.44N**±.047	**19.19E**±.072	**0**		**20**	**0-19**
NEIC	III 01 21 41 47.8	50.47N	19.14E	5			¶97iii0193
EIDC	III 01 21 41 47.9	50.3N	19.3E	0	3.5L		
WAR	III 01 21 41 50.1	50.2N	19.1E		3.1		
NEIC	$MG_{2.9}$(WAR).						
WAR	Mining induced						
ISC	**III 03 07 26 25**±3.6	**51.4N**±.25	**16.0E**±.20	**0**		**8**	**1-3**
ISC	Probably mining induced (after WAR)						¶97iii0511
ISC	**III 04 01 59 10.8**±.84	**50.63N**±.076	**18.8E**±.10	**0**		**9**	**1-19**
NEIC	III 04 01 59 11.8	50.61N	18.86E	10			¶97iii0748
EIDC	III 04 01 59 13.0	50.6N	18.6E	0	2.9L		
ISC	Probably mining induced (after WAR)						
NEIC	$MG_{2.6}$(WAR).						
ISC	**III 05 10 19 58**±1.5	**50.5N**±.14	**18.8E**±.10	**0**		**7**	**1-2**
WAR	III 05 10 19 58.4	50.4N	18.8E		2.9		¶97iii1035
WAR	Mining induced						
ISC	**III 08 14 18 17.6**±.77	**51.69N**±.055	**16.1E**±.11	**0**		**13**	**1-11**
NEIC	III 08 14 18 18.4	51.67N	16.29E	5			¶97iii1765
EIDC	III 08 14 18 20.3	51.6N	16.0E	0	3.0L		
ISC	Probably mining induced (after WAR)						
ISC	**III 11 12 48 30.7**±.73	**51.71N**±.054	**16.11E**±.074	**0**		**15**	**1-11**
NEIC	III 11 12 48 31.6	51.72N	16.16E	5			¶97iii2376
EIDC	III 11 12 48 32.4	51.6N	16.1E	0	3.2L		
WAR	III 11 12 48 35.6	51.5N	16.0E		2.7		
NEIC	MG2.8(WAR), Less reliable solution.						
WAR	Mining induced						

ISC	**III**	**11 19 13 14.9**±.52	**51.67N**±.041	**16.17E**±.069	**0**	3.7b	**40**	**1-60**
MOS	III	11 19 13 14.7	51.7N	16.3E	10	4.0b		**¶97iii2429**
NEIC	III	11 19 13 15.4	51.69N	16.12E	5			
EIDC	III	11 19 13 16.4	51.6N	16.2E	0	3.5L,3.6b		
WAR	III	11 19 13 19.2	51.5N	16.1E		3.4		
SZGRF	III	11 19 13 19.8	51.49N	16.04E	10	3.7L		
NEIC	ML 3.5 (VIE), $M_{L3.7}$(FUR).							
WAR	Mining induced							
ISC	**III**	**13 04 01 50.0**±.92	**51.71N**±.061	**16.1E**±.12	**0**		**10**	**1-11**
EIDC	III	13 04 01 51.5	51.6N	16.4E	0	2.9L		**¶97iii2640**
NEIC	III	13 04 01 57.3	51.27N	15.86E	5			
ISC	Probably mining induced (after WAR)							
NEIC	Poor solution.							
ISC	**III**	**13 04 11 09.5**±.78	**50.04N**±.092	**19.12E**±.072	**0**		**11**	**0-4**
WAR	III	13 04 11 10.0	50.1N	19.1E		2.9		**¶97iii2641**
WAR	Mining induced							
ISC	**III**	**13 20 29 38**±1.7	**51.4N**±.13	**15.95E**±.098	**0**		**10**	**1-3**
NEIC	III	13 20 29 40.1	51.32N	16.09E	5			**¶97iii2760**
ISC	Probably mining induced (after WAR)							
NEIC	MG2.6(WAR), Less reliable solution.							
ISC	**III**	**13 23 48 58.0**±.44	**51.69N**±.034	**16.10E**±.065	**0**	3.5b	**50**	**1-60**
NEIC	III	13 23 48 58.4	51.70N	16.12E	5			**¶97iii2785**
EIDC	III	13 23 48 59.5	51.6N	16.0E	0	3.5L,3.5b		
SZGRF	III	13 23 49 01.4	51.54N	16.03E	1	3.8L		
WAR	III	13 23 49 02.2	51.5N	16.0E		3.3		
NEIC	ML 3.7 (FUR), $M_{L3.8}$(VIE).							
WAR	Mining induced							
ISC	**III**	**14 00 32 42**±1.9	**51.6N**±.15	**16.0E**±.11	**0**		**12**	**1-4**
NEIC	III	14 00 32 47.9	51.22N	15.67E	5			**¶97iii2788**
ISC	Prabably mining induced (after WAR)							
NEIC	M_L3.2(GRF), M_L3.0(VIE), Less reliable solution.							
ISC	**III**	**14 02 20 14**±4.1	**51.4N**±.22	**15.9E**±.26	**0**		**7**	**1-4**
ISC	Probably mining induced (after WAR)							**¶97iii2798**
ISC	**III**	**17 10 15 37**±1.1	**50.3N**±.11	**18.88E**±.078	**0**		**12**	**0-4**
WAR	III	17 10 15 38.3	50.3N	18.9E		3.0		**¶97iii3361**
WAR	Mining induced							
ISC	**III**	**18 15 21 04**±2.0	**50.3N**±.16	**18.9E**±.17	**0**		**6**	**1-4**
ISC	Probably mining induced (after WAR)							**¶97iii3557**
ISC	**III**	**18 17 02 58.4**±.53	**51.68N**±.040	**16.13E**±.072	**0**		**22**	**1-18**
NEIC	III	18 17 02 59.0	51.67N	16.16E	5			**¶97iii3570**
EIDC	III	18 17 03 00.4	51.6N	16.1E	0	3.2L		
WAR	III	18 17 03 02.7	51.5N	16.0E		3.0		
NEIC	$M_{L3.6}$(GRF), $M_{L3.3}$(VIE).							
WAR	Mining induced							
ISC	**III**	**20 01 30 42**±6.2	**51.5N**±.37	**16.1E**±.39	**0**		**8**	**1-3**
NEIC	III	20 01 30 42.7	51.45N	16.40E	5			**¶97iii3805**
ISC	Probably mining induced (after WAR)							
NEIC	Poor solution.							
ISC	**III**	**21 09 19 28.1**±.55	**51.62N**±.041	**16.28E**±.078	**0**	3.4b	**30**	**1-60**
NEIC	III	21 09 19 28.8	51.64N	16.22E	5	3.4b		**¶97iii4046**
EIDC	III	21 09 19 30.0	51.6N	16.2E	0	3.5L,3.4b		
SZGRF	III	21 09 19 31.8	51.46N	16.19E	1	3.5L		
WAR	III	21 09 19 32.3	51.5N	16.1E		3.0		
NEIC	$M_{L3.5}$(VIE), $M_{L3.2}$(CLL).							
WAR	Mining induced							
ISC	**III**	**21 17 35 50.7**±.59	**50.52N**±.048	**18.87E**±.067	**0**		**30**	**1-19**
NEIC	III	21 17 35 52.1	50.59N	18.79E	10			**¶97iii4109**
WAR	III	21 17 35 53.3	50.3N	18.9E		3.5		
EIDC	III	21 17 35 53.7	50.6N	18.6E	0	3.5L		
SZGRF	III	21 17 35 55.8	50.23N	18.80E	1	3.5L		
NEIC	$M_{L3.5}$(VIE), $M_{L3.0}$(CLL).							
WAR	Mining induced							
ISC	**III**	**22 04 28 01.2**±.53	**51.63N**±.043	**16.17E**±.081	**0**	3.6b	**28**	**1-60**
NEIC	III	22 04 28 01.7	51.63N	16.21E	5			**¶97iii4198**
EIDC	III	22 04 28 02.6	51.6N	16.3E	0	3.6L,3.5b		
WAR	III	22 04 28 05	51.48N	16.12E		3.0		
NEIC	$M_{L3.4}$(VIE).							
WAR	Mining induced							
ISC	**III**	**22 04 50 59**±1.4	**51.3N**±.11	**15.94E**±.083	**0**		**15**	**1-4**
NEIC	III	22 04 50 57.8	51.45N	16.07E	5			**¶97iii4202**
WAR	III	22 04 50 58.5	51.5N	16.1E		2.7		
NEIC	M_L3.3(VIE), Less reliable solution.							
WAR	Mining induced							
ISC	**III**	**22 12 25 13.9**±.84	**51.70N**±.056	**16.0E**±.11	**0**		**13**	**1-11**
NEIC	III	22 12 25 14.6	51.70N	16.22E	5			**¶97iii4259**
EIDC	III	22 12 25 16.2	51.6N	15.9E	0	3.0L		
ISC	Probably mining induced (after WAR)							
NEIC	M_L3.0(VIE), Less reliable solution.							
ISC	**III**	**23 02 30 05.0**±.60	**51.64N**±.046	**16.15E**±.083	**0**	3.5b	**17**	**1-75**
NEIC	III	23 02 30 04.9	51.60N	16.39E	5			**¶97iii4366**
EIDC	III	23 02 30 06.1	51.5N	16.6E	0	3.0L,3.5b		
WAR	III	23 02 30 09.0	51.5N	16.1E		2.5		
NEIC	MG2.5(WAR).							
WAR	Mining induced							
ISC	**III**	**24 20 18 17.6**±.48	**51.63N**±.037	**16.27E**±.069	**0**		**34**	**1-18**
NEIC	III	24 20 18 18.1	51.64N	16.24E	5			**¶97iii4613**
EIDC	III	24 20 18 19.8	51.6N	16.2E	0	3.6L		
SZGRF	III	24 20 18 21.5	51.47N	16.11E	1	3.2L		
WAR	III	24 20 18 22	51.47N	16.08E		2.8		
NEIC	$M_{L3.4}$(GRF), $M_{L3.2}$(VIE).							
WAR	Mining induced							
ISC	**III**	**25 23 29 51.4**±.81	**51.73N**±.055	**16.06E**±.096	**0**		**13**	**1-11**
NEIC	III	25 23 29 51.9	51.71N	16.34E	5			**¶97iii4812**
EIDC	III	25 23 29 53.2	51.6N	16.3E	0	2.9L		
ISC	Probably mining induced (after WAR)							
NEIC	MG2.5(WAR).							
ISC	**III**	**27 21 39 41.3**±.46	**51.69N**±.036	**16.20E**±.062	**0**	3.3b	**48**	**1-60**
NEIC	III	27 21 39 42.0	51.72N	16.11E	5			**¶97iii5315**
EIDC	III	27 21 39 43.3	51.7N	16.0E	0	3.4L		
SZGRF	III	27 21 39 44.1	51.46N	16.25E	1	3.7L		
WAR	III	27 21 39 46.3	51.57N	16.0E		3.2		
NEIC	$M_{L3.7}$(VIE).							
WAR	Mining induced							
ISC	**III**	**28 10 12 18.2**±.81	**50.57N**±.067	**18.87E**±.097	**0**		**9**	**1-12**
NEIC	III	28 10 12 19.0	50.58N	18.82E	10			**¶97iii5416**
EIDC	III	28 10 12 20.0	50.4N	18.8E	0	3.0L		
WAR	III	28 10 12 20.9	50.4N	18.8E		2.8		
NEIC	MG2.9(WAR).							
WAR	Mining induced							
ISC	**III**	**29 05 15 09.6**±.54	**51.69N**±.041	**16.23E**±.068	**0**		**23**	**1-18**
NEIC	III	29 05 15 09.9	51.72N	16.28E	5			**¶97iii5537**
EIDC	III	29 05 15 11.2	51.6N	16.3E	0	3.2L		
WAR	III	29 05 15 15	51.48N	16.09E		2.8		
NEIC	$M_{L3.4}$(GRF), $M_{L3.2}$(VIE).							
WAR	Mining induced							
ISC	**IV**	**01 11 15 52.7**±.34	**51.61N**±.027	**16.22E**±.057	**0**	**3.6b**	**64**	**1-84**
MOS	IV	01 11 15 53.5	51.6N	16.3E	10			**¶97iv0058**
NEIC	IV	01 11 15 53.9	51.56N	16.20E	5	4.2b		
EIDC	IV	01 11 15 54.3	51.6N	16.0E	0	4.0L,3.5b		
SZGRF	IV	01 11 15 56.6	51.39N	16.15E	1	4.0L		
WAR	IV	01 11 15 56.8	51.5N	16.1E		3.4L		
MOS	Mb4−4.5							
NEIC	$M_{L3.9}$(VIE).							
WAR	Mining induced							
ISC	**IV**	**02 15 03 53**±1.5	**51.2N**±.14	**15.68E**±.094	**0**		**11**	**1-3**
WAR	IV	02 15 03 49.6	51.5N	16.1E		2.7L		**¶97iv0261**
NEIC	IV	02 15 03 55.4	51.04N	15.76E	5			
WAR	Mining induced							
NEIC	M_L3.5(VIE), Less reliable solution.							
ISC	**IV**	**03 17 56 11.6**±.92	**49.9N**±.12	**19.2E**±.10	**0**		**8**	**1-5**
ISC	Probably mining induced (after WAR)							**¶97iv0465**
ISC	**IV**	**04 01 27 15**±1.1	**50.2N**±.12	**19.02E**±.074	**0**		**10**	**0-4**
WAR	IV	04 01 27 15.8	50.3N	19.1E		3.0L		**¶97iv0522**
WAR	Mining induced							
ISC	**IV**	**04 05 13 29.5**±.57	**50.44N**±.045	**18.81E**±.067	**0**	3.5b	**22**	**1-62**
EIDC	IV	04 05 13 29.9	50.2N	19.0E	0	3.6L,3.2b		**¶97iv0547**
NEIC	IV	04 05 13 30.7	50.40N	18.83E	10			
WAR	IV	04 05 13 31.7	50.3N	18.8E		3.4L		
NEIC	$M_{L3.5}$(VIE).							
WAR	Mining induced							
ISC	**IV**	**05 03 35 03**±1.9	**51.6N**±.14	**16.1E**±.11	**0**		**12**	**1-4**
NEIC	IV	05 03 35 08.1	51.40N	15.78E	5			**¶97iv0687**
ISC	Probably mining induced (after WAR)							
NEIC	MG2.5(WAR), Less reliable solution.							
ISC	**IV**	**05 05 11 53.5**±.72	**51.64N**±.053	**16.11E**±.071	**0**		**15**	**1-11**
NEIC	IV	05 05 11 54.4	51.66N	16.28E	5			**¶97iv0702**
EIDC	IV	05 05 11 55.9	51.6N	16.1E	0	3.1L		
WAR	IV	05 05 11 58.1	51.5N	16.1E		2.6L		
NEIC	MG2.2(WAR), Less reliable solution.							
WAR	Mining induced							
ISC	**IV**	**08 06 48 37**±7.5	**51.5N**±.44	**15.9E**±.31	**0**		**5**	**1-3**
ISC	Probably mining induced (after WAR)							**¶97iv1287**
EIDC	**IV**	**08 10 16 55.0**	**54.9N**	**19.3E**	**0**	**3.7L**		**6-15**
								¶97iv1315
ISC	**IV**	**10 19 41 23**±1.0	**50.3N**±.10	**18.87E**±.069	**0**		**14**	**0-4**
WAR	IV	10 19 41 24.0	50.2N	18.9E		2.8L		**¶97iv1737**
WAR	Mining induced							
ISC	**IV**	**12 11 11 32**±3.8	**50.4N**±.48	**18.9E**±.14	**0**		**4**	**1-4**
ISC	Probably mining induced (after WAR), Poorly determined							**¶97iv2056**
ISC	**IV**	**13 09 52 46.9**±.35	**51.67N**±.030	**16.09E**±.049	**0**	**3.8b**	**73**	**1-78**
MOS	IV	13 09 52 46.5	51.6N	16.4E	10	4.0b		**¶97iv2216**
NEIC	IV	13 09 52 47.4	51.67N	16.13E	5			
EIDC	IV	13 09 52 48.2	51.6N	16.2E	0	3.9L,3.8b		
SZGRF	IV	13 09 52 49.5	51.50N	16.22E	1	4.2L		
STR	IV	13 09 52 54.8	51.52N	15.69E	2	4.2L		
WAR	IV	13 09 53 51.0	51.54N	16.08E		3.7L		
NEIC	$M_{L3.7}$(FUR), $M_{L3.4}$(CLL).							
WAR	Mining induced							
ISC	**IV**	**14 02 03 18.4**±.58	**50.46N**±.049	**18.78E**±.064	**0**		**23**	**1-19**
NEIC	IV	14 02 03 19.4	50.44N	18.78E	10			**¶97iv2365**
EIDC	IV	14 02 03 19.4	50.3N	18.8E	0	3.5L		
WAR	IV	14 02 03 21.3	50.25N	18.86E		3.1L		
NEIC	MG2.9(WAR).							
WAR	Mining induced							
EIDC	**IV**	**14 11 05 17.5**	**54.8N**	**19.5E**	**0**	**3.7L**		**6-15**
								¶97iv2444
ISC	**IV**	**16 19 15 40.8**±.51	**51.68N**±.041	**16.19E**±.067	**0**	3.4b	**36**	**1-60**
NEIC	IV	16 19 15 41.1	51.68N	16.21E	5			**¶97iv2799**
EIDC	IV	16 19 15 42.7	51.6N	16.0E	0	3.6L,3.2b		
SZGRF	IV	16 19 15 44.9	51.52N	16.02E	1	3.1L		
WAR	IV	16 19 15 45.4	51.5N	16.0E		2.6L		
NEIC	$M_{L3.1}$(VIE).							
WAR	Mining induced							
ISC	**IV**	**16 19 53 21.0**±.42	**51.70N**±.035	**16.09E**±.060	**0**	3.8b	**47**	**1-60**
NEIC	IV	16 19 53 21.4	51.69N	16.09E	5			**¶97iv2806**
EIDC	IV	16 19 53 22.4	51.6N	16.1E	0	3.7L,3.8b		
SZGRF	IV	16 19 53 23.3	51.60N	16.12E	1	3.7L		
WAR	IV	16 19 53 25.0	51.52N	16.05E		3.3L		
NEIC	$M_{L3.7}$(FUR).							
NEIC	ML 3.6 (VIE).							
WAR	Mining induced							
ISC	**IV**	**16 22 54 55**±1.2	**50.4N**±.11	**18.81E**±.084	**0**		**12**	**1-5**
ISC	Possibly mining induced (after WAR)							**¶97iv2818**
ISC	**IV**	**17 09 56 10.0**±.66	**51.63N**±.051	**16.2E**±.11	**0**	3.1b	**18**	**1-60**
NEIC	IV	17 09 56 10.6	51.64N	16.24E	5	3.0b		**¶97iv2881**
EIDC	IV	17 09 56 12.3	51.6N	16.1E	0	3.4L,3.5s		
WAR	IV	17 09 56 14.1	51.5N	16.1E		2.8L		
NEIC	$M_{L2.6}$(CLL).							
WAR	Mining induced							
ISC	**IV**	**17 10 35 11.3**±.45	**51.62N**±.037	**16.19E**±.060	**0**	**3.7b**	**56**	**1-84**
NEIC	IV	17 10 35 11.6	51.65N	16.19E	5	3.8b		**¶97iv2886**
SZGRF	IV	17 10 35 13.0	51.48N	16.31E	1	4.1L		
MOS	IV	17 10 35 13.1	51.7N	16.0E	10	4.0b		
EIDC	IV	17 10 35 13.3	51.6N	16.2E	0	3.6L,3.7b		
WAR	IV	17 10 35 15.0	51.5N	16.1E		3.6L		
NEIC	$M_{L4.1}$(FUR), $M_{L4.0}$(VIE).							
NEIC	ML 3.6 (CLL).							
WAR	Mining induced							
ISC	**IV**	**17 12 06 40.0**±.37	**51.60N**±.033	**16.18E**±.060	**0**	**3.8b**	**56**	**1-84**
NEIC	IV	17 12 06 40.2	51.61N	16.21E	5	4.0b		**¶97iv2894**
SZGRF	IV	17 12 06 40.8	51.60N	16.24E	1	4.0L		
EIDC	IV	17 12 06 41.4	51.6N	16.3E	0	3.7L,3.7b		
MOS	IV	17 12 06 41.8	51.7N	15.9E	10	4.0b		
WAR	IV	17 12 06 43.0	51.51N	16.13E		3.6L		
NEIC	$M_{L3.9}$(VIE).							
WAR	Mining induced							
ISC	**IV**	**17 16 17 52.1**±.66	**51.66N**±.046	**16.14E**±.096	**0**		**18**	**1-11**
NEIC	IV	17 16 17 52.4	51.64N	16.42E	5			**¶97iv2932**
EIDC	IV	17 16 17 54.2	51.6N	16.3E	0	3.1L		
WAR	IV	17 16 17 56.4	51.5N	16.1E		2.7L		
NEIC	$M_{L3.2}$(VIE).							
WAR	Mining induced							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**19 01 43 04.8**±.80	**50.06N**±.095	**19.08E**±.070	**0**		**13**	**0-5**
WAR	IV	19 01 43 05.3	50.1N	19.1E		3.0L		¶97iv3138
WAR		Mining induced						
ISC	**IV**	**19 08 27 47.2**±.61	**51.63N**±.041	**16.3E**±.10	**0**		**34**	**1-18**
NEIC	IV	19 08 27 47.7	51.64N	16.36E	5			¶97iv3174
EIDC	IV	19 08 27 49.1	51.6N	16.4E	0	3.5L		
SZGRF	IV	19 08 27 51.1	51.37N	16.20E	1	3.4L		
WAR	IV	19 08 27 51.8	51.4N	16.2E		3.1L		
NEIC		M_L3.7(GRF), M_L3.5(VIE).						
WAR		Mining induced						
ISC	**IV**	**19 08 40 27**±1.0	**51.19N**±.095	**15.78E**±.084	**0**		**24**	**0-5**
SZGRF	IV	19 08 40 23.8	51.40N	16.19E	1	3.3L		¶97iv3177
WAR	IV	19 08 40 25.0	51.4N	16.2E		2.9L		
NEIC	IV	19 08 40 28.0	51.19N	15.78E	5			
WAR		Mining induced						
NEIC		M_L3.6(VIE), Less reliable solution.						
ISC	**IV**	**19 12 22 21**±1.8	**51.5N**±.13	**16.04E**±.095	**0**		**10**	**1-3**
NEIC	IV	19 12 22 27.8	51.15N	15.84E	5			¶97iv3197
ISC		Probably mining induced (after WAR)						
NEIC		MG2.2(WAR), Less reliable solution.						
ISC	**IV**	**21 07 09 26**±1.2	**50.3N**±.11	**18.87E**±.080	**0**		**10**	**1-4**
WAR	IV	21 07 09 26.0	50.4N	18.9E		3.0L		¶97iv3420
WAR		Mining induced						
ISC	**IV**	**21 16 37 14.2**±.60	**51.68N**±.048	**16.23E**±.078	**0**		**17**	**1-18**
NEIC	IV	21 16 37 14.7	51.66N	16.32E	5			¶97iv3535
EIDC	IV	21 16 37 15.9	51.6N	16.3E	0	3.5L		
WAR	IV	21 16 37 18.9	51.5N	16.1E		2.6L		
NEIC		M_L3.4(VIE).						
WAR		Mining induced						
ISC	**IV**	**21 19 44 21.2**±.51	**51.60N**±.039	**16.25E**±.071	**0**	3.5b	**41**	**1-60**
NEIC	IV	21 19 44 21.6	51.60N	16.26E	5	3.4b		¶97iv3564
EIDC	IV	21 19 44 22.9	51.5N	16.3E	0	3.6L,3.5b		
WAR	IV	21 19 44 25.0	51.47N	16.13E		3.2L		
SZGRF	IV	21 19 44 26.0	51.35N	16.14E	10	3.6L		
NEIC		M_L3.7(VIE).						
WAR		Mining induced						
ISC	**IV**	**23 03 56 49.1**±.58	**51.71N**±.046	**16.07E**±.088	**0**		**26**	**1-18**
NEIC	IV	23 03 56 49.8	51.73N	16.09E	5			¶97iv3891
EIDC	IV	23 03 56 49.8	51.6N	16.0E	0	3.1L		
SZGRF	IV	23 03 56 50.5	51.42N	16.30E	10	3.3L		
WAR	IV	23 03 56 53.3	51.5N	16.0E		2.8L		
NEIC		M_L3.5(VIE).						
WAR		Mining induced						
EIDC	**IV**	**23 11 28 25.4**	**53.1N**	**14.9E**	**0**	**3.4L**		**4-10**
								¶97iv3945
WAR	**IV**	**23 15 12 07.8**	**51.4N**	**16.2E**		**2.5L**		¶97iv3982
WAR		Mining induced						
ISC	**IV**	**23 15 22 02.8**±.56	**51.64N**±.042	**16.23E**±.081	**0**		**17**	**1-18**
NEIC	IV	23 15 22 03.3	51.64N	16.33E	5			¶97iv3986
EIDC	IV	23 15 22 04.8	51.5N	16.2E	0	3.3L		
ISC		Probably mining induced (after WAR)						
NEIC		M_L3.0(VIE).						
ISC	**IV**	**23 22 37 38.4**±.55	**51.62N**±.043	**16.22E**±.071	**0**	3.1b	**26**	**1-60**
NEIC	IV	23 22 37 39.1	51.63N	16.24E	5			¶97iv4036
EIDC	IV	23 22 37 41.0	51.6N	15.9E	0	3.2L,3.1b		
WAR	IV	23 22 37 42.3	51.5N	16.1E		2.5L		
SZGRF	IV	23 22 37 42.4	51.50N	16.06E	10	3.0L		
NEIC		M_L3.3(VIE)						
WAR		Mining induced						
ISC	**IV**	**24 02 52 49**±2.1	**51.6N**±.15	**16.1E**±.11	**0**		**12**	**1-4**
NEIC	IV	24 02 52 56.5	51.20N	15.82E	5			¶97iv4071
ISC		Probably mining induced (after WAR)						
NEIC		M_L2.7(VIE), Less reliable solution.						
ISC	**IV**	**24 11 52 41**±1.3	**51.2N**±.11	**15.76E**±.082	**0**		**12**	**0-3**
WAR	IV	24 11 52 38.1	51.5N	16.1E		2.8L		¶97iv4137
NEIC	IV	24 11 52 42.3	51.19N	15.82E	5			
WAR		Mining induced						
NEIC		M_L2.7(CLL), Less reliable solution.						
ISC	**IV**	**26 08 52 51.6**±.61	**51.66N**±.046	**16.30E**±.090	**0**		**18**	**1-11**
NEIC	IV	26 08 52 52.1	51.65N	16.34E	5			¶97iv4504
EIDC	IV	26 08 52 53.5	51.6N	16.7E	0	3.2L		
WAR	IV	26 08 52 56.0	51.5N	16.1E		3.0L		
NEIC		M_L3.5(VIE).						
WAR		Mining induced						
ISC	**IV**	**26 12 23 39.8**±.49	**51.68N**±.037	**16.07E**±.073	**0**	3.4b	**38**	**1-60**
NEIC	IV	26 12 23 40.0	51.69N	16.10E	5	3.4b		¶97iv4549
SZGRF	IV	26 12 23 42.1	51.49N	16.21E	1	3.5L		
EIDC	IV	26 12 23 42.1	51.6N	15.9E	0	3.5L,3.3b		
WAR	IV	26 12 23 44.3	51.5N	16.1E		3.2L		
NEIC		M_L3.4(VIE), M_L3.1(CLL).						
WAR		Mining induced						
ISC	**IV**	**26 15 52 41**±3.8	**51.6N**±.25	**16.0E**±.21	**0**		**11**	**1-4**
NEIC	IV	26 15 52 46.1	51.31N	15.98E	5			¶97iv4573
ISC		Probably mining induced (after WAR)						
NEIC		M_L3.0(VIE), M_L2.3(CLL), Poor solution.						
ISC	**IV**	**27 18 25 50**±3.2	**51.3N**±.23	**15.9E**±.20	**0**		**13**	**1-4**
WAR	IV	27 18 25 49.6	51.4N	16.1E		2.6L		¶97iv4775
NEIC	IV	27 18 25 54.2	51.05N	15.86E	5			
WAR		Mining induced						
NEIC		M_L3.1(VIE), M_L3.0(GRF).						
ISC	**IV**	**29 15 11 12.3**±.46	**51.68N**±.039	**16.17E**±.074	**0**	3.3b	**34**	**1-60**
NEIC	IV	29 15 11 12.7	51.68N	16.21E	5			¶97iv5098
EIDC	IV	29 15 11 14.5	51.6N	16.2E	0	3.5L,3.1b		
SZGRF	IV	29 15 11 14.6	51.61N	16.18E	1	3.4L		
WAR	IV	29 15 11 16.3	51.5N	16.1E		3.2L		
NEIC		M_L3.4(VIE).						
WAR		Mining induced						
ISC	**V**	**02 01 12 06.4**±.41	**51.68N**±.035	**16.15E**±.059	**0**	3.3b	**39**	**1-60**
NEIC	V	02 01 12 07.1	51.70N	16.14E	5	3.4b		¶97v0188
MOS	V	02 01 12 07.7	51.6N	16.2E	10	3.8b		
EIDC	V	02 01 12 08.4	51.6N	16.1E	0	3.5L,3.3b		
SZGRF	V	02 01 12 08.7	51.5N	16.2E	1	3.6L		
WAR	V	02 01 12 11.0	51.5N	16.0E		3.3L		
NEIC		M_L3.5(VIE).						
WAR		Mining induced						
ISC	**V**	**02 17 03 48**±2.2	**51.6N**±.17	**16.0E**±.12	**0**		**9**	**1-3**
NEIC	V	02 17 03 56.9	51.13N	15.66E	5			¶97v0300
ISC		Possibly mining induced (after WAR)						
NEIC		M_L2.1(CLL), Less reliable solution.						
ISC	**V**	**02 17 05 56.6**±.74	**51.70N**±.056	**16.07E**±.098	**0**		**14**	**1-11**
NEIC	V	02 17 05 57.2	51.70N	16.16E	5			¶97v0301
EIDC	V	02 17 05 58.7	51.6N	16.1E	0	3.2L		
WAR	V	02 17 06 01.0	51.5N	17.0E		2.9L		
NEIC		M_L2.5(CLL).						
WAR		Mining induced						
ISC	**V**	**02 22 22 04.0**±.63	**51.64N**±.048	**16.28E**±.098	**0**		**17**	**1-18**
NEIC	V	02 22 22 04.6	51.65N	16.30E	5			¶97v0336
EIDC	V	02 22 22 05.4	51.6N	16.4E	0	3.1L		
WAR	V	02 22 22 08.0	51.5N	16.1E		2.7L		
NEIC		M_L3.1(VIE).						
WAR		Mining induced						
EIDC	**V**	**07 11 09 49.8**	**54.6N**	**19.6E**	**0**	**3.6L**		**6-15**
								¶97v1088
ISC	**V**	**07 17 36 15.3**±.48	**50.48N**±.039	**18.80E**±.062	**0**		**26**	**1-19**
NEIC	V	07 17 36 15.7	50.47N	18.79E	5			¶97v1129
EIDC	V	07 17 36 16.7	50.4N	18.7E	0	3.5L		
WAR	V	07 17 36 17.9	50.3N	18.8E		3.2L		
NEIC		M_L3.5(VIE).						
WAR		Mining induced						
ISC	**V**	**07 23 06 37.9**±.44	**51.61N**±.037	**16.24E**±.078	**0**	3.3b	**26**	**1-60**
NEIC	V	07 23 06 38.6	51.62N	16.20E	5			¶97v1154
EIDC	V	07 23 06 39.5	51.6N	16.1E	0	3.5L		
WAR	V	07 23 06 42.3	51.4N	16.1E		2.8L		
NEIC		M_L3.2(VIE).						
WAR		Mining induced						
ISC	**V**	**08 03 35 38**±1.3	**51.52N**±.098	**16.0E**±.10	**0**		**21**	**1-5**
NEIC	V	08 03 35 37.9	51.57N	16.08E	5			¶97v1174
SZGRF	V	08 03 35 38.4	51.4N	16.2E	1	3.3L		
WAR	V	08 03 36 08.9	51.5N	16.0E		2.9L		
NEIC		M_L3.5(VIE), Less reliable solution.						
WAR		Mining induced						
ISC	**V**	**08 20 13 49.3**±.82	**50.61N**±.064	**18.7E**±.14	**0**		**13**	**1-19**
NEIC	V	08 20 13 50.1	50.63N	18.59E	5			¶97v1305
EIDC	V	08 20 13 51.8	50.6N	18.5E	0	2.9L		
ISC		Probably mining induced (after WAR)						
NEIC		Less reliable solution.						
ISC	**V**	**08 23 02 55.5**±.63	**51.67N**±.047	**16.14E**±.090	**0**		**15**	**1-18**
NEIC	V	08 23 02 56.0	51.66N	16.26E	5			¶97v1322
EIDC	V	08 23 02 56.9	51.6N	16.1E	0	3.0L		
WAR	V	08 23 02 59.6	51.5N	16.1E		2.5L		
NEIC		M_L3.0(VIE).						
WAR		Mining induced						
ISC	**V**	**12 16 52 32**±4.1	**51.6N**±.25	**16.2E**±.27	**0**		**8**	**1-3**
NEIC	V	12 16 52 39.4	51.11N	15.93E	5			¶97v2012
ISC		Possibly mining induced (after WAR)						
NEIC		Less reliable solution.						
ISC	**V**	**13 15 24 02.8**±.66	**51.62N**±.047	**16.20E**±.097	**0**		**15**	**1-19**
NEIC	V	13 15 24 03.2	51.57N	16.56E	5			¶97v2273
EIDC	V	13 15 24 04.5	51.5N	16.3E	0	3.3L		
WAR	V	13 15 24 07.4	51.4N	16.2E		2.5L		
NEIC		M_L3.2(VIE).						
WAR		Mining induced						
ISC	**V**	**13 18 37 00.9**±.30	**51.61N**±.027	**16.16E**±.049	**0**	**3.9b**	**68**	**1-125**
NEIC	V	13 18 37 01.6	51.61N	16.15E	5	3.8b		¶97v2294
MOS	V	13 18 37 02.2	51.6N	16.1E	10	4.0b		
EIDC	V	13 18 37 02.9	51.6N	16.2E	0	3.9L,3.9b		
SZGRF	V	13 18 37 04.6	51.4N	16.2E	1	3.9L		
WAR	V	13 18 37 05.0	51.5N	16.1E		3.6L		
NEIC		$ML_{4.1}$(VIE)$ML_{4.1}$(FUR).						
WAR		Mining induced						
ISC	**V**	**14 03 49 27.9**±.37	**51.62N**±.030	**16.20E**±.059	**0**	**3.7b**	**54**	**1-84**
MOS	V	14 03 49 28.9	51.6N	16.2E	10	4.0b		¶97v2383
SZGRF	V	14 03 49 29.0	51.4N	16.3E	1	3.8L		
NEIC	V	14 03 49 29.5	51.52N	16.18E	5	3.8b		
EIDC	V	14 03 49 29.5	51.5N	16.2E	0	3.8L,3.6b		
WAR	V	14 03 49 33.9	51.5N	16.1E		3.3L		
NEIC		$ML_{3.8}$(VIE), $ML_{3.9}$(FUR).						
WAR		Mining induced						
ISC	**V**	**14 12 40 35.2**±.63	**51.65N**±.047	**16.2E**±.10	**0**	3.5b	**17**	**1-60**
NEIC	V	14 12 40 35.9	51.66N	16.20E	5			¶97v2448
EIDC	V	14 12 40 37.1	51.6N	16.1E	0	3.5L,3.4b		
ISC		Probably mining induced (after WAR)						
NEIC		M_L3.7(VIE).						
ISC	**V**	**16 11 34 10**±1.5	**54.9N**±.11	**19.0E**±.36	**0**	3.2b	**5**	**6-22**
EIDC	V	16 11 34 12.0	54.9N	19.0E	0	3.6L,3.1b		¶97v2767
ISC	**V**	**16 18 33 00**±1.8	**51.6N**±.14	**16.1E**±.12	**0**		**10**	**1-4**
WAR	V	16 18 33 02.7	51.5N	16.0E		2.6L		¶97v2821
NEIC	V	16 18 33 06.1	51.25N	15.64E	5			
WAR		Mining induced						
NEIC		M_L3.2(VIE), Less reliable solution.						
ISC	**V**	**17 21 35 33.4**±.61	**51.66N**±.047	**16.17E**±.099	**0**		**16**	**1-18**
NEIC	V	17 21 35 34.1	51.66N	16.15E	5			¶97v2991
EIDC	V	17 21 35 34.8	51.6N	15.9E	0	2.9L		
WAR	V	17 21 35 36.9	51.5N	16.1E		2.7L		
NEIC		M_L3.3(GRF).						
WAR		Mining induced						
ISC	**V**	**18 11 02 22.2**±.71	**51.60N**±.054	**16.24E**±.083	**0**		**14**	**1-11**
NEIC	V	18 11 02 22.3	51.58N	16.46E	5			¶97v3069
EIDC	V	18 11 02 23.7	51.5N	16.4E	0	3.1L		
WAR	V	18 11 02 26.6	51.4N	16.2E		2.4L		
NEIC		M_L3.1(VIE).						
WAR		Mining induced						
ISC	**V**	**19 01 06 58**±1.6	**51.6N**±.13	**16.2E**±.12	**0**		**11**	**1-4**
WAR	V	19 01 07 02.5	51.5N	16.0E		2.7L		¶97v3174
NEIC	V	19 01 07 05.5	51.25N	15.69E	5			
WAR		Mining induced						
NEIC		M_L3.6(VIE), Less reliable solution.						
ISC	**V**	**19 11 25 07**±1.6	**51.6N**±.12	**16.2E**±.11	**0**		**12**	**1-4**
NEIC	V	19 11 25 08.0	51.56N	16.37E	5			¶97v3248
WAR	V	19 11 25 11.0	51.47N	16.13E		3.0L		
NEIC		M_L3.6(VIE), Less reliable solution.						
WAR		Mining induced						
EIDC	**V**	**19 11 28 36.0**	**50.2N**	**19.5E**	**0**	**4.0L**		**11-20**
ISC		Probably mining induced (after WAR)						¶97v3249
ISC	**V**	**19 18 32 56.1**±.61	**50.46N**±.053	**18.90E**±.067	**0**	3.3b	**19**	**1-62**
NEIC	V	19 18 32 56.9	50.44N	18.89E	5			¶97v3291
WAR	V	19 18 32 58.5	50.3N	18.9E		3.2L		
EIDC	V	19 18 32 58.9	50.5N	18.6E	0	3.1L		
WAR		Mining induced						

ISC	**V**	**20 21 19 48**±1.4	**51.4N**±.12	**15.32E**±.079	**0**		**14**	**1-3**
SZGRF	V	20 21 19 47.4	51.6N	15.5E	1	2.3L		**¶97v3459**
WAR	V	20 21 19 49.0	51.5N	15.3E				
WAR	POLONAISE97 experiment, explosion 900 kg							
ISC	**V**	**20 22 19 47.3**±.88	**53.48N**±.090	**19.8E**±.18	**0**		**7**	**2-16**
EIDC	V	20 22 19 47.9	53.3N	20.4E	0	3.2L		**¶97v3469**
WAR	V	20 22 19 49.0	53.3N	20.1E				
WAR	POLONAISE97 experiment, explosion 900 kg							
ISC	**V**	**20 22 34 56.9**±.73	**52.81N**±.063	**15.7E**±.22	**0**		**13**	**2-17**
EIDC	V	20 22 34 59.3	52.7N	16.0E	0	3.1L		**¶97v3471**
SZGRF	V	20 22 35 00.1	52.7N	15.7E	1	2.2L		
ISC	**V**	**20 22 49 45.9**±.63	**51.77N**±.047	**15.8E**±.10	**0**		**16**	**1-18**
NEIC	V	20 22 49 46.5	51.77N	15.78E	5			**¶97v3475**
EIDC	V	20 22 49 47.7	51.6N	15.8E	0	3.0L		
SZGRF	V	20 22 49 48.4	51.7N	15.8E	1	2.3L		
WAR	V	20 22 49 49.0	51.6N	15.7E				
WAR	POLONAISE97 experiment, explosion 300 kg							
ISC	**V**	**20 23 34 57.1**±.70	**52.78N**±.058	**15.3E**±.20	**0**		**12**	**2-17**
EIDC	V	20 23 34 58.4	52.7N	15.9E	0	3.0L		**¶97v3478**
WAR	V	20 23 35 00.0	52.6N	15.4E				
SZGRF	V	20 23 35 01.0	52.6N	15.4E	1			
WAR	POLONAISE97 experiment, explosion 1000 kg							
WAR	**V**	**21 00 19 49.0**	**53.4N**	**20.5E**				**¶97v3483**
WAR	POLONAISE97 experiment, explosion 200 kg							
ISC	**V**	**21 21 19 45.0**±.63	**52.05N**±.048	**16.5E**±.11	**0**		**17**	**1-18**
EIDC	V	21 21 19 44.8	51.8N	17.0E	0	3.2L		**¶97v3608**
NEIC	V	21 21 19 45.0	52.05N	16.54E	5			
SZGRF	V	21 21 19 48.8	51.8N	16.4E	0	2.3L		
WAR	V	21 21 19 49.0	51.9N	16.3E				
NEIC	MG2.5(WAR), Less reliable solution.							
WAR	POLONAISE97 experiment, explosion 900 kg							
ISC	**V**	**21 22 04 56.0**±.58	**52.38N**±.045	**17.1E**±.11	**0**		**16**	**2-18**
NEIC	V	21 22 04 56.4	52.39N	17.02E	5			**¶97v3611**
EIDC	V	21 22 04 57.9	52.3N	17.0E	0	3.1L		
SZGRF	V	21 22 04 59.0	52.1N	17.2E	0	2.3L		
WAR	V	21 22 05 00.0	52.2N	17.0E				
WAR	POLONAISE97 experiment, explosion 1000 kg							
EIDC	**V**	**21 22 19 53.4**	**54.0N**	**20.8E**	**0**	**3.2L**		**5-16**
								¶97v3616
ISC	**V**	**22 00 34 56.8**±.60	**51.93N**±.046	**17.7E**±.11	**0**		**19**	**1-18**
NEIC	V	22 00 34 57.1	51.94N	17.71E	5			**¶97v3658**
EIDC	V	22 00 34 58.7	51.9N	17.8E	0	3.1L		
WAR	V	22 00 35 00.0	51.8N	17.6E				
WAR	POLONAISE97 experiment, explosion 1000 kg							
ISC	**V**	**22 09 20 10.7**±.88	**51.63N**±.059	**16.1E**±.12	**0**		**12**	**1-19**
NEIC	V	22 09 20 11.3	51.63N	16.20E	5			**¶97v3748**
EIDC	V	22 09 20 13.9	51.7N	15.7E	0	3.2L		
ISC	Probably mining induced (after WAR)							
NEIC	Less reliable solution.							
ISC	**V**	**22 23 23 17**±1.1	**50.3N**±.11	**18.90E**±.075	**0**		**12**	**1-5**
WAR	V	22 23 23 18.7	50.28N	18.92E		3.0L		**¶97v3847**
WAR	Mining induced							
ISC	**V**	**25 03 04 29.1**±.50	**51.68N**±.038	**16.22E**±.073	**0**		**37**	**1-18**
NEIC	V	25 03 04 29.4	51.67N	16.27E	5			**¶97v4212**
EIDC	V	25 03 04 31.2	51.6N	16.0E	0	3.5L		
SZGRF	V	25 03 04 31.7	51.6N	16.2E	1	3.6L		
WAR	V	25 03 04 34.0	51.51N	16.13E		3.2L		
NEIC	$M_{L3.2}$(VIE), $M_{L3.0}$(CLL).							
WAR	Mining induced							
ISC	**V**	**26 23 04 57.1**±.92	**53.89N**±.062	**18.6E**±.23	**0**		**13**	**4-16**
EIDC	V	26 23 04 59.6	53.8N	18.4E	0	3.4L		**¶97v4479**
SZGRF	V	26 23 05 02.4	53.7N	18.3E	0	2.9L		
SZGRF	Probably mining induced (after WAR)							
ISC	**V**	**26 23 34 57**±1.2	**53.49N**±.071	**19.3E**±.25	**0**		**11**	**4-9**
EIDC	V	26 23 34 58.7	53.4N	19.5E	0	3.3L		**¶97v4486**
EIDC	**V**	**26 23 50 01.5**	**53.7N**	**22.4E**	**0**	**3.2L**		**8-16**
								¶97v4490
ISC	**V**	**27 22 04 57.4**±.74	**54.21N**±.061	**17.6E**±.18	**0**		**12**	**2-16**
EIDC	V	27 22 04 59.5	54.2N	17.5E	0	3.3L		**¶97v4615**
SZGRF	V	27 22 05 00.6	54.1N	17.6E	0	2.9L		
SZGRF	Probably mining induced (after WAR)							
ISC	**V**	**27 22 34 47**±1.1	**50.46N**±.090	**18.88E**±.076	**0**		**15**	**1-4**
WAR	V	27 22 34 49.3	50.3N	18.9E		2.9L		**¶97v4619**
WAR	Mining induced							
ISC	**V**	**28 02 17 23.5**±.82	**50.14N**±.090	**18.46E**±.070	**0**		**13**	**0-4**
WAR	V	28 02 17 23.9	50.1N	18.4E		3.1L		**¶97v4645**
WAR	Mining induced							
ISC	**V**	**28 19 45 14.7**±.62	**51.66N**±.048	**16.1E**±.10	**0**		**16**	**1-18**
NEIC	V	28 19 45 15.0	51.66N	16.25E	5			**¶97v4767**
EIDC	V	28 19 45 15.7	51.5N	16.2E	0	3.4L		
ISC	Probably mining induced (after WAR)							
NEIC	$M_{L3.0}$(GRF), $M_{L3.0}$(VIE).							
ISC	**V**	**29 05 13 45**±2.4	**51.2N**±.18	**15.9E**±.16	**0**		**7**	**0-3**
ISC	Probably mining induced (after WAR)							**¶97v4823**
ISC	**VI**	**02 14 49 28**±1.1	**50.3N**±.10	**18.81E**±.071	**0**		**13**	**0-4**
WAR	VI	02 14 49 28.9	50.3N	18.9E		2.8L		**¶97vi0254**
WAR	Mining induced							
EIDC	**VI**	**03 10 15 35.7**	**55.0N**	**19.4E**	**0**	**3.7L**		**3-15**
								¶97vi0425
EIDC	**VI**	**03 12 21 54.3**	**54.9N**	**20.0E**	**0**	**3.8L**		**7-15**
								¶97vi0452
ISC	**VI**	**03 16 03 06.7**±.77	**51.66N**±.057	**16.1E**±.11	**0**		**12**	**1-11**
EIDC	VI	03 16 03 08.6	51.5N	16.2E	0	3.1L		**¶97vi0485**
ISC	Possibly mining induced (after WAR)							
ISC	**VI**	**04 11 01 56**±1.8	**54.4N**±.14	**19.1E**±.45	**0**		**4**	**7-15**
EIDC	VI	04 11 01 59.0	54.4N	19.1E	0	3.7L		**¶97vi0605**
ISC	Poorly determined							
ISC	**VI**	**04 16 34 57**±2.3	**51.2N**±.19	**15.8E**±.20	**0**		**7**	**1-3**
ISC	Possibly mining induced (after WAR)							**¶97vi0645**
ISC	**VI**	**05 05 20 46.1**±.68	**50.44N**±.059	**18.91E**±.065	**0**		**17**	**1-19**
WAR	VI	05 05 20 48.6	50.3N	18.9E		2.9L		**¶97vi0716**
EIDC	VI	05 05 20 49.3	50.4N	19.7E	0	3.3L		
WAR	Mining induced							
ISC	**VI**	**05 22 35 55.4**±.45	**51.62N**±.036	**16.17E**±.087	**0**		**24**	**1-19**
NEIC	VI	05 22 35 55.6	51.60N	16.26E	5			**¶97vi0841**
EIDC	VI	05 22 35 57.0	51.5N	16.2E	0	3.4L		
WAR	VI	05 22 35 59.6	51.4N	16.1E		2.8L		
WAR	Mining induced							
ISC	**VI**	**06 00 14 53.0**±.68	**51.62N**±.056	**16.24E**±.067	**0**		**23**	**1-11**
NEIC	VI	06 00 14 53.0	51.62N	16.39E	5			**¶97vi0857**
EIDC	VI	06 00 14 54.3	51.5N	16.5E	0	3.4L		
SZGRF	VI	06 00 14 55.2	51.5N	16.3E	1	3.1L		
WAR	VI	06 00 14 57.2	51.4N	16.2E		2.7L		
WAR	Mining induced							
ISC	**VI**	**06 01 10 57**±3.3	**51.6N**±.24	**16.1E**±.21	**0**		**7**	**1-3**
ISC	Possibly mining induced (after WAR)							**¶97vi0862**
ISC	**VI**	**06 03 24 27.5**±.35	**51.52N**±.032	**16.20E**±.050	**0**	**4.0b**	**68**	**1-84**
STR	VI	06 03 23 56.4	52.58N	19.76E	10	3.3L		**¶97vi0875**
NEIC	VI	06 03 24 27.0	51.65N	16.09E	5			
MOS	VI	06 03 24 27.7	51.6N	16.2E	10	4.0b		
EIDC	VI	06 03 24 28.6	51.6N	16.0E	11	4.0L,4.0b		
SZGRF	VI	06 03 24 29.6	51.5N	16.2E	1	4.2L		
WAR	VI	06 03 24 30.3	51.5N	16.1E		3.7L		
WAR	Mining induced							
ISC	**VI**	**08 16 31 29.2**±.49	**51.64N**±.037	**16.2E**±.11	**0**		**19**	**1-18**
NEIC	VI	08 16 31 29.7	51.64N	16.17E	5			**¶97vi1262**
EIDC	VI	08 16 31 30.7	51.6N	15.9E	0	3.5L		
WAR	VI	08 16 31 33.5	51.5N	16.1E		2.8L		
WAR	Mining induced							
ISC	**VI**	**10 01 28 19**±2.2	**50.3N**±.17	**19.1E**±.16	**0**		**8**	**1-4**
ISC	Possibly mining induced (after WAR)							**¶97vi1461**
ISC	**VI**	**10 02 49 39**±1.3	**50.1N**±.10	**18.4E**±.12	**0**		**16**	**1-5**
ISC	Possibly mining induced (after WAR)							**¶97vi1467**
ISC	**VI**	**10 17 06 42**±1.8	**51.6N**±.13	**16.2E**±.11	**0**		**11**	**1-3**
NEIC	VI	10 17 06 46.8	51.37N	15.85E	5			**¶97vi1551**
ISC	Possibly mining induced (after WAR)							
NEIC	M_L2.3(CLL), Less reliable solution.							
ISC	**VI**	**10 17 10 26.1**±.54	**51.66N**±.043	**16.21E**±.068	**0**		**25**	**1-12**
EIDC	VI	10 17 10 28.8	51.6N	15.8E	0	3.5L		**¶97vi1552**
WAR	VI	10 17 10 30.6	51.5N	16.1E		2.9L		
NEIC	VI	10 17 10 33.2	51.25N	15.74E	5			
WAR	Mining induced							
NEIC	$M_{L3.6}$(VIE).							
ISC	**VI**	**11 00 33 52**±1.0	**51.63N**±.074	**16.05E**±.096	**0**		**28**	**1-6**
STR	VI	11 00 33 11.7	52.80N	20.71E	10	3.3L		**¶97vi1592**
MOS	VI	11 00 33 52.3	51.7N	16.1E	10	4.0s		
SZGRF	VI	11 00 33 53.9	51.5N	16.2E	1	3.7L		
WAR	VI	11 00 33 55.3	51.5N	16.0E		3.4L		
NEIC	VI	11 00 33 56.6	51.38N	15.77E	5			
WAR	Mining induced							
NEIC	M_L4.0(VIE), Less reliable solution.							
ISC	**VI**	**11 13 45 44**±1.0	**50.0N**±.12	**18.8E**±.10	**0**		**13**	**0-4**
ISC	Probably mining induced (after WAR)							**¶97vi1696**
ISC	**VI**	**13 02 51 22**±1.8	**51.5N**±.14	**16.1E**±.10	**0**		**14**	**1-4**
ISC	ML3.3(VKA), Probably mining induced (after WAR)							**¶97vi1927**
ISC	**VI**	**13 11 45 47**±2.4	**51.6N**±.16	**16.09E**±.097	**0**		**10**	**1-3**
NEIC	VI	13 11 45 56.5	51.12N	15.82E	5			**¶97vi1983**
ISC	Possibly mining induced (after WAR)							
NEIC	Less reliable solution.							
ISC	**VI**	**13 13 22 05.4**±.52	**51.66N**±.042	**16.18E**±.070	**0**		**36**	**1-87**
NEIC	VI	13 13 22 05.9	51.67N	16.17E	5			**¶97vi1992**
EIDC	VI	13 13 22 07.2	51.7N	16.1E	0	3.8L		
SZGRF	VI	13 13 22 07.3	51.5N	16.2E	1	3.5L		
WAR	VI	13 13 22 09.5	51.5N	16.1E		3.3L		
NEIC	$M_{L3.5}$(VIE).							
WAR	Mining induced							
ISC	**VI**	**14 19 26 57.4**±.72	**51.69N**±.054	**16.13E**±.083	**0**		**15**	**1-11**
NEIC	VI	14 19 26 57.9	51.68N	16.25E	5			**¶97vi2163**
EIDC	VI	14 19 26 59.5	51.6N	16.1E	0	3.1L		
WAR	VI	14 19 27 02.0	51.5N	16.0E		2.8L		
NEIC	$M_{L3.5}$(VIE).							
WAR	Mining induced							
ISC	**VI**	**14 21 01 35**±9.6	**51.9N**±.72	**16.1E**±.27	**0**		**5**	**2-3**
ISC	Probably mining induced (after WAR)							**¶97vi2174**
ISC	**VI**	**16 19 17 07**±1.6	**51.5N**±.12	**16.0E**±.11	**0**		**13**	**1-4**
NEIC	VI	16 19 17 07.4	51.51N	16.14E	5			**¶97vi2503**
WAR	VI	16 19 17 09.0	51.48N	16.08E		2.4L		
NEIC	M_L3.2(VIE), Less reliable solution.							
WAR	Mining induced							
ISC	**VI**	**17 04 16 14**±1.9	**51.5N**±.13	**16.1E**±.10	**0**		**10**	**1-3**
NEIC	VI	17 04 16 21.8	51.11N	15.90E	5			**¶97vi2549**
ISC	Possibly mining induced (after WAR)							
NEIC	Less reliable solution.							
ISC	**VI**	**17 06 56 30**±1.0	**50.36N**±.084	**18.85E**±.080	**0**		**13**	**1-4**
WAR	VI	17 06 56 31.3	50.28N	18.93E		3.0L		**¶97vi2566**
WAR	Mining induced							
ISC	**VI**	**17 11 48 46**±1.9	**50.3N**±.15	**18.8E**±.16	**0**		**8**	**1-4**
ISC	Possibly mining induced (after WAR)							**¶97vi2613**
ISC	$ML_{3.1}$(MOA)							
ISC	**VI**	**18 19 30 17**±1.6	**51.2N**±.13	**15.80E**±.096	**0**		**12**	**0-3**
NEIC	VI	18 19 30 19.1	51.12N	15.92E	5			**¶97vi2824**
ISC	Possibly mining induced (after WAR)							
NEIC	M_L3.2(VIE), Less reliable solution.							
ISC	**VI**	**20 03 15 29.0**±.92	**50.08N**±.074	**18.70E**±.096	**0**		**13**	**0-12**
EIDC	VI	20 03 15 31.6	50.0N	18.4E	0	3.1L		**¶97vi2999**
ISC	Possibly mining induced (after WAR)							
ISC	**VI**	**20 04 15 35**±6.3	**51.6N**±.29	**16.1E**±.38	**0**		**6**	**1-3**
ISC	Probably mining induced (after WAR)							**¶97vi3012**
ISC	**VI**	**21 03 35 17.6**±.76	**51.62N**±.052	**16.4E**±.11	**0**		**16**	**1-11**
NEIC	VI	21 03 35 18.9	51.69N	16.13E	5			**¶97vi3148**
EIDC	VI	21 03 35 20.1	51.6N	16.0E	0	3.2L		
WAR	VI	21 03 35 22.1	51.4N	16.2E		2.5L		
NEIC	M_L3.1(VIE), Less reliable solution.							
WAR	Mining induced							
ISC	**VI**	**21 19 18 49.0**±.54	**51.65N**±.041	**16.25E**±.067	**0**		**33**	**1-12**
NEIC	VI	21 19 18 50.4	51.69N	16.03E	5			**¶97vi3270**
EIDC	VI	21 19 18 51.3	51.6N	16.1E	0	3.4L		
SZGRF	VI	21 19 18 51.9	51.6N	16.2E	1	3.3L		
WAR	VI	21 19 18 53.6	51.5N	16.1E		2.9L		
NEIC	$M_{L3.7}$(VIE).							
NEIC	$ML_{3.4}$ (FUR).							
WAR	Mining induced							
ISC	**VI**	**23 20 59 56.8**±.80	**50.45N**±.049	**19.03E**±.087	**0**		**22**	**1-12**
NEIC	VI	23 20 59 57.6	50.51N	19.06E	5			**¶97vi3591**
EIDC	VI	23 20 59 59.3	50.4N	18.9E	0	3.5L		
WAR	VI	23 21 00 00.8	50.3N	18.9E		3.2L		
NEIC	$M_{L3.0}$(CLL).							
WAR	Mining induced							
ISC	**VI**	**24 20 14 40.7**±.42	**51.66N**±.034	**16.18E**±.056	**0**	3.8b	**54**	**1-75**
STR	VI	24 20 14 08.5	52.31N	20.28E	10	3.2L		**¶97vi3777**
NEIC	VI	24 20 14 41.1	51.64N	16.24E	5	4.4b		
MOS	VI	24 20 14 41.8	51.6N	16.3E	10	4.2b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
SZGRF	VI	24 20 14 42.3	51.5N	16.3E	1	3.8L		
EIDC	VI	24 20 14 42.3	51.6N	16.1E	0	3.7L,3.7b		
WAR	VI	24 20 14 45.0	51.47N	16.13E		3.5L		
NEIC		ML4.0(VIE).						
NEIC		ML 4.0 (FUR).						
WAR		Mining induced						
ISC	**VI**	**25 02 45 59.5**±.57	**51.66N**±.042	**16.18E**±.075	**0**		**32**	**1-12**
NEIC	VI	25 02 46 00.1	51.67N	16.18E	5			¶97vi3832
SZGRF	VI	25 02 46 02.4	51.5N	16.2E	1	3.4L		
EIDC	VI	25 02 46 02.8	51.6N	15.8E	12	3.3L		
WAR	VI	25 02 46 03.9	51.5N	16.0E		3.1L		
NEIC		ML3.5(VIE).						
NEIC		ML 3.1 (CLL).						
WAR		Mining induced						
ISC	**VI**	**25 09 10 01**±1.3	**50.4N**±.12	**18.87E**±.088	**0**		**7**	**1-2**
WAR	VI	25 09 10 02.9	50.3N	18.9E		2.8L		¶97vi3878
WAR		Mining induced						
ISC	**VI**	**26 10 37 37**±1.7	**51.5N**±.12	**16.2E**±.11	**0**		**15**	**1-4**
NEIC	VI	26 10 37 39.7	51.33N	16.36E	5			¶97vi4122
WAR	VI	26 10 37 40.8	51.4N	16.2E		2.9L		
NEIC		ML3.5(VIE), Less reliable solution.						
WAR		Mining induced						
ISC	**VI**	**27 20 46 24.8**±.73	**51.69N**±.054	**16.11E**±.079	**0**		**16**	**1-11**
NEIC	VI	27 20 46 25.5	51.69N	16.17E	5			¶97vi4366
EIDC	VI	27 20 46 26.6	51.6N	16.2E	0	3.1L		
WAR	VI	27 20 46 29.9	51.5N	16.1E		2.5L		
NEIC		ML3.3(VIE), ML2.7(CLL), Less reliable solution.						
WAR		Mining induced						
ISC	**VI**	**28 01 49 40**±1.8	**51.5N**±.13	**16.2E**±.10	**0**		**11**	**1-4**
NEIC	VI	28 01 49 42.1	51.47N	16.32E	5			¶97vi4395
WAR	VI	28 01 49 44.0	51.4N	16.1E		2.3L		
NEIC		ML3.1(VIE), Less reliable solution.						
WAR		Mining induced						
ISC	**VI**	**28 19 50 52.8**±.51	**51.68N**±.040	**16.11E**±.065	**0**		**38**	**1-12**
NEIC	VI	28 19 50 53.0	51.67N	16.17E	5			¶97vi4515
MOS	VI	28 19 50 53.3	51.7N	16.2E	10	4.0s		
EIDC	VI	28 19 50 54.5	51.6N	16.2E	0	3.3L		
SZGRF	VI	28 19 50 55.8	51.7N	16.1E	1	3.6L		
WAR	VI	28 19 50 57.0	51.5N	16.1E		3.3L		
NEIC		ML3.7(VIE).						
NEIC		ML 3.3 (CLL).						
WAR		Mining induced						
ISC	**VI**	**30 05 07 17.9**±.73	**51.67N**±.054	**16.02E**±.090	**0**		**14**	**1-11**
NEIC	VI	30 05 07 19.0	51.65N	16.16E	5			¶97vi4711
EIDC	VI	30 05 07 20.5	51.6N	15.9E	0	3.1L		
WAR	VI	30 05 07 22.0	51.52N	16.00E		2.7L		
NEIC		ML3.4(VIE).						
WAR		Mining induced						
ISC	**VI**	**30 15 58 39**±2.1	**51.5N**±.17	**16.1E**±.11	**0**		**9**	**1-4**
NEIC	VI	30 15 58 46.8	51.07N	15.78E	5			¶97vi4786
ISC		Possibly mining induced (after WAR)						
NEIC		ML3.1(VIE), Less reliable solution.						
ISC	**VI**	**30 22 50 50**±1.1	**50.4N**±.11	**18.89E**±.083	**0**		**12**	**1-4**
WAR	VI	30 22 50 51.7	50.25N	18.93E		2.8L		¶97vi4834
WAR		Mining induced						

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(550) North-West Africa.

LIC	**I**	**08 07 40 44.9**	**5.83N**	**0.15E**	**2**			¶97i1038
ISC	**II**	**14 23 29 08.7**±.87	**7.0N**±.13	**0.8W**±.11	**10**	**3.8b**	**9**	**4-65**
NEIC	II	14 23 29 07.9	6.94N	0.83W	10			¶97ii2133
EIDC	II	14 23 29 09.4	7.0N	0.8W	0	3.2L,3.8b		
NEIC		Poor solution.						
ISC	**III**	**06 15 16 32.7**±.44	**5.59N**±.060	**0.23W**±.078	**10**	**4.4b**	**48**	**5-96**
NEIC	III	06 15 16 32.0	5.52N	0.31W	10	4.4b		¶97iii1301
EIDC	III	06 15 16 32.7	5.6N	0.3W	0	4.2b,4.0L		
NEIC		Seven people injured and power outages occurred in the Accra area, Ghana.						

(552) Libya.

EIDC	**V**	**10 14 03 03.6**	**24.8N**	**24.5E**	**0**	**3.9b**		**20-90**
								¶97v1611

(553) Egypt.

ISC	**I**	**05 00 08 37.1**±.93	**28.97N**±.047	**34.70E**±.074	**10**±8.0		**31**	**0-4**
IPRG	I	05 00 08 35.8±.48	28.8N	34.9E	8	4.1L,4.2b		¶97i0597
RYD	I	05 00 08 36.8	29.1N	34.7E	12	4.0D		
JSO	I	05 00 08 39.3	29.00N	34.84E	3	4.0L		
JSO	**I**	**07 00 18 27.0**	**29.41N**	**34.97E**	**7**	**2.7L**		¶97i0856
ISC	**I**	**07 09 14 04**±8.6	**28.9N**±.16	**34.4E**±.81	**33**		**5**	**1-1**
								¶97i0905
ISC	**I**	**07 10 43 23**±1.0	**29.29N**±.047	**34.88E**±.086	**9**±8.3		**16**	**0-2**
RYD	I	07 10 43 21.5	29.5N	34.8E	13	3.5D		¶97i0911
IPRG	I	07 10 43 24.2±.69	29.4N	34.9E	6±3.2	2.6L		
JSO	I	07 10 43 24.8	29.35N	34.94E	5	2.7L		
ISC	**I**	**07 21 36 32**±3.7	**29.2N**±.22	**34.9E**±.16	**0**		**9**	**1-2**
IPRG	I	07 21 36 34.0±.95	29.3N	34.7E	0	2.0L		¶97i0981
ISC	**I**	**08 18 46 25**±1.0	**28.88N**±.048	**34.76E**±.097	**10**±7.0		**21**	**0-2**
IPRG	I	08 18 46 24.2±.57	28.9N	34.8E	4	3.7L		¶97i1100
RYD	I	08 18 46 25.2	28.9N	34.8E	15	3.5D		
JSO	I	08 18 46 26.9	28.93N	34.85E	7	3.4L		
ISC	**I**	**09 01 04 52**±8.7	**29.5N**±.43	**34.7E**±.34	**6**±23		**11**	**0-2**
IPRG	I	09 01 04 47.8±.52	29.3N	34.7E	0	2.0L		¶97i1153
ISC	**I**	**09 17 26 35**±1.7	**28.74N**±.052	**34.8E**±.18	**7**		**9**	**0-1**
JSO	I	09 17 26 35.6	28.48N	35.13E	7	3.0L		¶97i1256
ISC	**I**	**11 01 07 19**±9.9	**29.3N**±.39	**34.9E**±.45	**1**		**6**	**0-1**
JSO	I	11 01 07 21.2	29.36N	34.96E	1	2.7L		¶97i1446
RYD	**I**	**12 22 26 46.6**	**28.96N**	**34.63E**	**12**	**3.3D**		¶97i1749
ISC	**I**	**15 08 57 05**±18	**29.4N**±.88	**34.6E**±.54	**2**±44		**7**	**0-1**
IPRG	I	15 08 57 04.1±.61	29.3N	34.7E	0	2.2L		¶97i2128
ISC	**I**	**16 04 26 59**±1.6	**28.99N**±.057	**34.6E**±.13	**12**±9.4		**14**	**0-1**
IPRG	I	16 04 27 00.7±.69	29.1N	34.7E	0	2.0L		¶97i2257
RYD	I	16 04 27 00.9	28.9N	34.87E	12	3.3D		
JSO	I	16 04 27 01.9	29.03N	34.87E	5	2.9L		
ISC	**I**	**17 13 48 37**±1.6	**28.79N**±.058	**34.7E**±.16	**6**±10		**13**	**0-2**
IPRG	I	17 13 48 36.8±.54	28.8N	34.7E	0	3.0L		¶97i2462
RYD	I	17 13 48 37.5	28.77N	34.76E	14	3.5D		
ISC	**I**	**17 14 02 40**±3.2	**28.79N**±.075	**34.7E**±.31	**15**		**6**	**0-1**
RYD	I	17 14 02 40.8	28.75N	34.77E	15	3.1D		¶97i2465
ISC	**I**	**17 15 25 55**±1.5	**28.79N**±.056	**34.6E**±.12	**1**±8.6		**19**	**0-2**
RYD	I	17 15 25 56.6	28.77N	34.74E	12	3.5D		¶97i2474
IPRG	I	17 15 25 57.1±.83	28.9N	34.6E	0	2.9L		
JSO	I	17 15 25 57.6	28.82N	34.76E	1	2.9L		
ISC	**I**	**17 17 59 34**±2.0	**28.79N**±.065	**34.6E**±.18	**7**±11		**10**	**0-2**
IPRG	I	17 17 59 34.7±.65	28.9N	34.5E	0	2.0L		¶97i2507
RYD	I	17 17 59 35.1	28.77N	34.7E	12	3.2D		
ISC	**I**	**18 07 55 00**±1.1	**28.86N**±.054	**34.9E**±.11	**6**±8.5		**16**	**0-2**
IPRG	I	18 07 54 59.5±.74	28.9N	34.9E	0	2.7L		¶97i2629
RYD	I	18 07 54 59.8	28.87N	34.9E	12	3.6D		
JSO	I	18 07 55 02.5	28.93N	35.00E	3	3.3L		
ISC	**I**	**18 22 51 39.1**±.76	**29.39N**±.039	**34.89E**±.087	**16**±12		**24**	**0-2**
IPRG	I	18 22 51 37.9±2.03	29.3N	34.9E	11±7.6	3.5L		¶97i2731
RYD	I	18 22 51 40.0	29.35N	34.98E	12	3.7D		
JSO	I	18 22 51 40.7	29.44N	34.99E	5	3.4L		
ISC	**I**	**21 11 34 20**±4.9	**29.1N**±.20	**34.8E**±.36	**12**		**5**	**0-1**
RYD	I	21 11 34 20.5	29.13N	34.87E	12	2.9D		¶97i3175
ISC	**I**	**21 18 16 38**±1.6	**28.92N**±.057	**34.6E**±.14	**13**±9.1		**16**	**0-1**
RYD	I	21 18 16 39.7	28.89N	34.84E	15	3.1D		¶97i3215
JSO	I	21 18 16 40.2	28.95N	34.82E	7	2.7L		
IPRG	I	21 18 16 41.4±.64	29.1N	34.7E	4±6.8	2.2L		
ISC	**I**	**23 06 31 43**±2.5	**28.5N**±.12	**34.7E**±.17	**5**		**10**	**0-2**
RYD	I	23 06 31 38.8	28.3N	34.58E	15	3.2D		¶97i3448
IPRG	I	23 06 31 42.0±.80	28.4N	34.8E	5	2.6L		
ISC	**I**	**23 07 39 27**±8.6	**29.4N**±.43	**34.6E**±.28	**5**		**6**	**0-1**
IPRG	I	23 07 39 25.8±.49	29.3N	34.7E	5±7.2	2.0L		¶97i3461
ISC	**I**	**23 14 49 16.8**±.90	**29.89N**±.040	**34.9E**±.18	**10**		**9**	**0-1**
IPRG	I	23 14 49 17.0±.18	29.8N	35.0E	10±2.9	2.0L		¶97i3513
ISC	**I**	**23 17 01 56**±1.8	**29.11N**±.078	**34.7E**±.18	**13**±14		**9**	**0-1**
RYD	I	23 17 01 57.9	29.3N	34.85E	12	3.1D		¶97i3530
IPRG	I	23 17 01 58.3±.51	29.2N	34.8E	10±1.6	2.1L		
ISC	**I**	**23 18 32 49**±1.6	**28.51N**±.092	**34.8E**±.16	**11**±8.1		**10**	**0-2**
IPRG	I	23 18 32 46.0±.52	28.4N	34.5E	0	2.5L		¶97i3539
RYD	I	23 18 32 46.3	28.24N	34.7E	12	3.2D		
ISC	**I**	**24 09 53 37.6**±.80	**29.23N**±.041	**34.7E**±.10	**5**		**16**	**0-2**
RYD	I	24 09 53 09.1	33.64N	29.2E	30	3.7D		¶97i3632
IPRG	I	24 09 53 39.6±1.22	29.3N	34.8E	5±9.2	3.6L		
RYD	**I**	**24 11 35 17.7**	**30.78N**	**30.32E**	**25**	**3.3D**		¶97i3640
ISC	**I**	**26 08 21 37.7**±.72	**29.22N**±.040	**34.75E**±.097	**10**		**25**	**0-3**
RYD	I	26 08 21 37.6	29.22N	34.74E	10	3.9D		¶97i3910
IPRG	I	26 08 21 39.3±.38	29.4N	34.7E	0	4.0L,4.2b		
JSO	I	26 08 21 39.5	29.17N	34.87E	5	3.8L		
NEIC	I	26 08 21 41.5	29.50N	34.67E	10			
NEIC		ML4.0(JER), Poor solution.						
ISC	**I**	**26 09 42 07.1**±.89	**29.89N**±.050	**34.8E**±.22	**11**±8.2		**15**	**0-1**
RYD	I	26 09 41 52.8	29.32N	34.77E	12	3.4D		¶97i3917
IPRG	I	26 09 41 59.7±.95	29.4N	34.8E	5±4.1	3.2L		
ISC	**I**	**27 00 29 31.1**±.76	**29.22N**±.040	**34.71E**±.079	**12**		**24**	**0-2**
RYD	I	27 00 29 29.6	29.24N	34.57E	12	3.4D		¶97i4021
JSO	I	27 00 29 31.4	29.22N	34.71E	1	3.5L		
IPRG	I	27 00 29 31.8±1.16	29.3N	34.8E	5±9.1	3.2L		
ISC	**I**	**27 02 03 10.3**±.90	**29.22N**±.038	**34.72E**±.081	**2**±7.4		**24**	**0-2**
RYD	I	27 02 03 10.8	29.23N	34.76E	12	3.3D		¶97i4033
IPRG	I	27 02 03 11.5±.43	29.3N	34.8E	0	3.0L		
JSO	I	27 02 03 12.0	29.23N	34.81E	1	3.3L		
JSO	**I**	**27 15 09 18.8**	**29.25N**	**34.85E**	**5**	**2.6L**		¶97i4096
ISC	**I**	**28 03 43 30**±1.1	**28.96N**±.048	**34.70E**±.097	**8**±7.4		**21**	**0-2**
IPRG	I	28 03 43 30.8±.62	29.0N	34.6E	0	3.4L		¶97i4164
RYD	I	28 03 43 32.0	28.9N	34.88E	12	3.7D		
JSO	I	28 03 43 32.8	29.02N	34.86E	5	3.5L		
ISC	**I**	**28 09 05 29**±9.7	**28.4N**±.43	**34.8E**±.56	**13**		**4**	**0-1**
RYD	I	28 09 05 28.4	28.36N	34.7E	13	2.8D		¶97i4190
ISC		Poorly determined						
ISC	**I**	**28 11 07 47**±2.7	**28.5N**±.17	**34.7E**±.24	**15**±16		**8**	**0-2**
RYD	I	28 11 07 45.7	28.47N	34.6E	16	3.5D		¶97i4204
JSO	I	28 11 07 48.5	28.65N	34.62E	5	3.1L		
ISC	**I**	**28 14 29 29**±2.8	**28.6N**±.10	**34.8E**±.30	**12**		**4**	**0-1**
RYD	I	28 14 29 29.1	28.5N	34.77E	12	3.0D		¶97i4218
ISC		Poorly determined						
RYD	**I**	**28 15 44 57.1**	**28.49N**	**34.67E**	**15**	**3.0D**		¶97i4221
ISC	**I**	**28 16 45 59.5**±.91	**29.07N**±.044	**34.8E**±.10	**16**		**16**	**0-1**
RYD	I	28 16 45 59.5	29.1N	34.85E	16	3.2D		¶97i4228
IPRG	I	28 16 45 59.9±.55	29.1N	34.7E	10	2.1L		
JSO	I	28 16 46 00.9	29.14N	34.85E	2	2.9L		
ISC	**I**	**28 17 32 00**±3.3	**28.80N**±.077	**34.7E**±.32	**16**		**6**	**0-1**
RYD	I	28 17 32 00.5	28.77N	34.73E	16	3.2D		¶97i4232
ISC	**I**	**28 22 36 06**±9.7	**29.2N**±.38	**34.7E**±.54	**5**		**5**	**1-1**
JSO	I	28 22 36 08.1	29.25N	34.77E	5	2.9L		¶97i4267
ISC	**I**	**29 02 02 31**±2.7	**29.20N**±.070	**34.7E**±.21	**10**±13		**10**	**0-1**
RYD	I	29 02 02 31.4	29.23N	34.75E	13	2.9D		¶97i4284
JSO	I	29 02 02 32.9	29.22N	34.82E	3	2.7L		
ISC	**I**	**30 04 38 15.3**±.93	**29.22N**±.038	**34.73E**±.082	**1**±8.0		**22**	**0-2**
RYD	I	30 04 38 15.9	29.23N	34.77E	14	3.3D		¶97i4440
IPRG	I	30 04 38 16.4±.46	29.3N	34.8E	0	2.4L		
JSO	I	30 04 38 16.9	29.23N	34.80E	2	3.0L		
JSO	**I**	**31 05 13 27.1**	**29.13N**	**34.90E**	**1**	**2.7L**		¶97i4590
ISC	**I**	**31 16 31 11**±1.8	**29.31N**±.081	**34.9E**±.17	**5**		**8**	**1-1**
JSO	I	31 16 31 12.7	29.34N	34.92E	5	3.0L		¶97i4651
RYD	I	31 16 31 13.3	27.98N	35.55E	12	3.0D		
JSO	**I**	**31 17 10 05.4**	**29.33N**	**34.95E**	**5**	**2.7L**		¶97i4655
ISC	**II**	**01 06 22 43.0**±.78	**29.21N**±.040	**34.73E**±.086	**4**		**23**	**0-2**
RYD	II	01 06 22 41.7	29.27N	34.6E	4	4.0D		¶97ii0032
IPRG	II	01 06 22 44.3±.40	29.3N	34.7E	0	3.7L		
JSO	II	01 06 22 45.1	29.23N	34.81E	2	3.7L		
JSO	**II**	**01 06 59 19.0**	**29.25N**	**34.91E**	**3**	**2.9L**		¶97ii0036
RYD	**II**	**01 07 09 14.8**	**29.24N**	**34.75E**	**10**	**3.0D**		¶97ii0038
RYD	**II**	**01 11 25 21.0**	**28.78N**	**34.8E**	**10**	**3.0D**		¶97ii0066
ISC	**II**	**01 12 58 57**±11	**28.8N**±.42	**33.5E**±.81	**2**		**9**	**1-2**
IPRG	II	01 12 58 42.0±.56	27.9N	32.6E	2	2.6L		¶97ii0072
RYD	II	01 12 58 49.7	28.5N	32.58E	35	3.3D		
ISC	**II**	**01 19 23 56.5**±.98	**29.24N**±.043	**34.7E**±.10	**0**		**15**	**0-2**
RYD	II	01 19 23 56.4	27.76N	35.39E	20	3.2D		¶97ii0111
JSO	II	01 19 23 58.7	29.22N	34.87E	0	3.3L		
IPRG	II	01 19 23 59.2±.51	29.4N	34.8E	0	2.4L		

ISC	**II**	**01 21 18 37**±14	**28.2N**±.75	**34.5E**±.49	**18**±31		**15**	**0-3**	
RYD	II	01 21 18 33.9	28.34N	34.15E	4	3.7D			¶97ii0122
IPRG	II	01 21 18 36.4±.72	28.2N	34.8E	3	3.4L			
JSO	II	01 21 18 39.8	28.34N	34.64E	0	3.7L			
ISC	**II**	**01 21 30 35**±1.0	**29.22N**±.041	**34.72E**±.097	**1**±7.3		**25**	**0-4**	
RYD	II	01 21 30 34.7	29.25N	34.59E	15	3.8D			¶97ii0125
IPRG	II	01 21 30 36.2±.47	29.3N	34.7E	0	3.7L			
JSO	II	01 21 30 37.2	29.24N	34.80E	2	3.6L			
ISC	**II**	**01 22 03 59**±14	**29.2N**±.63	**35.0E**±.61	**2**		**6**	**1-1**	
JSO	II	01 22 03 58.4	29.16N	34.88E	2	2.6L			¶97ii0129
RYD	II	01 22 03 58.7	29.06N	34.8E	28	2.9D			
ISC	**II**	**01 22 08 23.9**±.99	**29.21N**±.040	**34.7E**±.10	**2**		**17**	**0-2**	
RYD	II	01 22 08 24.5	29.17N	34.55E	27	3.2D			¶97ii0130
JSO	II	01 22 08 25.6	29.23N	34.78E	2	2.9L			
IPRG	II	01 22 08 25.8±.46	29.3N	34.8E	0	2.3L			
ISC	**II**	**01 22 14 07.5**±.96	**29.22N**±.039	**34.7E**±.10	**2**		**18**	**0-2**	
IPRG	II	01 22 14 08.5±.52	29.3N	34.8E	0	3.2L			¶97ii0131
JSO	II	01 22 14 09.2	29.25N	34.78E	2	3.2L			
ISC	**II**	**01 23 09 39.2**±.96	**29.21N**±.050	**34.8E**±.10	**20**		**20**	**0-3**	
RYD	II	01 23 09 38.0	29.23N	34.59E	20	3.7D			¶97ii0139
IPRG	II	01 23 09 38.4±.51	29.3N	34.8E	0	3.4L			
JSO	II	01 23 09 39.6	29.24N	34.81E	1	3.4L			
ISC	**II**	**01 23 23 10**±1.3	**29.19N**±.045	**34.7E**±.14	**7**±10		**15**	**0-2**	
RYD	II	01 23 23 11.1	29.22N	34.63E	20	3.0D			¶97ii0142
JSO	II	01 23 23 12.6	29.21N	34.81E	5	2.7L			
IPRG	II	01 23 23 13.0±.50	29.3N	34.8E	3±7.1	2.2L			
ISC	**II**	**02 03 48 58**±1.3	**29.21N**±.054	**34.7E**±.22	**26**		**9**	**0-1**	
RYD	II	02 03 48 58.1	29.22N	34.64E	26	3.3D			¶97ii0167
IPRG	II	02 03 48 59.6±.40	29.3N	34.7E	5±5.9	2.5L			
RYD	**II**	**02 05 53 10.7**	**29.23N**	**34.73E**	**10**	**3.0D**			¶97ii0180
ISC	**II**	**02 06 08 01**±1.3	**29.19N**±.046	**34.7E**±.14	**3**±11		**15**	**1-2**	
RYD	II	02 06 08 01.2	24.23N	34.67E	14	3.2D			¶97ii0182
IPRG	II	02 06 08 02.0±.64	29.3N	34.8E	2	2.3L			
JSO	II	02 06 08 04.1	29.24N	34.84E	5	2.8L			
ISC	**II**	**02 21 02 48**±1.0	**29.13N**±.044	**34.8E**±.11	**11**		**14**	**1-1**	
JSO	II	02 21 02 46.8	29.02N	34.71E	11	2.8L			¶97ii0277
RYD	II	02 21 02 50.0	29.07N	34.93E	1	3.2D			
IPRG	II	02 21 02 50.7±.61	29.2N	34.9E	4±3.5	2.2L			
JSO	**II**	**02 23 10 28.5**	**29.14N**	**34.85E**	**4**	**2.6L**			¶97ii0293
JSO	**II**	**03 04 36 28.4**	**29.31N**	**34.95E**	**11**	**2.6L**			¶97ii0319
JSO	**II**	**03 11 32 31.5**	**29.24N**	**34.83E**	**1**	**2.8L**			¶97ii0370
RYD	II	03 11 32 29.9	29.05N	34.9E	0	2.8D			
ISC	**II**	**04 12 21 31.5**±.76	**29.19N**±.045	**34.79E**±.087	**20**		**22**	**0-3**	
RYD	II	04 12 21 31.1	29.18N	34.67E	20	4.0D			¶97ii0519
IPRG	II	04 12 21 31.6±.99	29.3N	34.9E	5±4.0	3.8L,4.1b			
JSO	II	04 12 21 31.8	29.22N	34.80E	3	3.8L			
RYD	**II**	**06 10 55 40.6**	**30.5N**	**33.04E**	**35**	**3.3D**			¶97ii0824
RYD	**II**	**06 13 01 34.2**	**28.28N**	**34.17E**	**20**	**3.2D**			¶97ii0844
ISC	**II**	**06 22 55 38**±1.6	**29.19N**±.060	**34.8E**±.16	**2**		**9**	**1-1**	
RYD	II	06 22 55 37.7	29.23N	34.74E	2	3.0D			¶97ii0914
JSO	II	06 22 55 39.9	29.22N	34.83E	5	2.7L			
ISC	**II**	**07 22 06 02.0**±.80	**29.17N**±.054	**34.8E**±.15	**20**		**14**	**1-2**	
IPRG	II	07 22 06 01.8±.46	29.3N	34.8E	0	2.1L			¶97ii1048
RYD	II	07 22 06 06.7	28.89N	35.0E	20	3.0D			
RYD	**II**	**08 04 07 56.6**	**27.12N**	**33.81E**	**17**	**3.1D**			¶97ii1088
RYD	**II**	**08 07 59 28.8**	**29.52N**	**34.79E**	**10**	**2.7D**			¶97ii1113
RYD	**II**	**10 23 15 12.9**	**28.82N**	**34.74E**	**20**	**2.5D**			¶97ii1549
ISC	**II**	**11 14 04 08.5**±.89	**29.21N**±.035	**34.71E**±.082	**1**±7.9		**23**	**0-2**	
RYD	II	11 14 04 08.1	29.26N	34.6E	12	3.6D			¶97ii1634
IPRG	II	11 14 04 09.8±.39	29.3N	34.8E	0	3.4L			
JSO	II	11 14 04 10.3	29.23N	34.78E	2	3.3L			
RYD	**II**	**12 14 19 21.9**	**28.77N**	**33.86E**	**30**	**3.2D**			¶97ii1773
RYD	**II**	**12 17 00 22.4**	**28.35N**	**34.64E**	**11**	**3.4D**			¶97ii1794
ISC	**II**	**13 20 03 48**±6.0	**29.1N**±.32	**34.9E**±.22	**0**		**7**	**0-2**	
IPRG	II	13 20 03 51.0±.72	29.3N	34.8E	0	2.0L			¶97ii1972
ISC	**II**	**14 11 50 49**±5.0	**29.3N**±.31	**34.7E**±.17	**5**		**9**	**0-2**	
IPRG	II	14 11 50 47.2±5.20	29.2N	34.8E	5	2.1L			¶97ii2052
ISC	**II**	**16 06 14 53**±1.7	**28.74N**±.067	**34.7E**±.15	**12**±8.1		**14**	**0-2**	
IPRG	II	16 06 14 53.3±.68	28.7N	34.6E	5	3.5L			¶97ii2347
RYD	II	16 06 14 53.5	28.69N	34.66E	21	3.8D			
JSO	II	16 06 15 09.2	29.48N	35.39E	11	3.0L			
ISC	**II**	**16 19 10 54.3**±.94	**29.22N**±.038	**34.68E**±.084	**1**±6.5		**28**	**0-2**	
RYD	II	16 19 10 53.2	29.32N	34.63E	15	3.7D			¶97ii2408
IPRG	II	16 19 10 55.4±.40	29.3N	34.7E	0	3.7L			
JSO	II	16 19 10 57.1	29.26N	34.83E	0	3.6L			
ISC	**II**	**17 13 21 52.2**±.99	**29.18N**±.042	**34.68E**±.096	**6**		**16**	**0-2**	
RYD	II	17 13 21 50.6	29.27N	34.56E	6	3.2D			¶97ii2498
IPRG	II	17 13 21 53.4±.80	29.2N	34.8E	5±4.9	2.2L			
JSO	II	17 13 21 53.5	29.19N	34.72E	1	3.1L			
IPRG	**II**	**17 18 41 55.5**±.77	**29.4N**	**32.8E**	**0**	**2.3L**			¶97ii2524
RYD	**II**	**17 18 48 24.1**	**27.89N**	**33.85E**	**15**	**2.8D**			¶97ii2526
ISC	**II**	**17 20 02 54**±1.2	**29.22N**±.053	**34.70E**±.097	**0**		**16**	**0-2**	
IPRG	II	17 20 02 54.4±.79	29.3N	34.7E	0	2.2L			¶97ii2538
RYD	II	17 20 02 54.7	21.25N	34.74E	10	3.3D			
JSO	II	17 20 02 57.1	29.29N	34.83E	2	2.9L			
ISC	**II**	**17 23 12 29**±6.6	**28.7N**±.12	**34.6E**±.58	**14**		**4**	**0-1**	
RYD	II	17 23 12 28.0	28.73N	34.47E	14				¶97ii2566
ISC	Poorly determined								
ISC	**II**	**17 23 13 17.8**±.79	**28.79N**±.043	**34.9E**±.11	**4**±7.8		**16**	**0-2**	
RYD	II	17 23 13 17.2	28.78N	34.75E	9	3.5D			¶97ii2567
IPRG	II	17 23 13 18.5±.75	28.9N	34.8E	0	3.1L			
ISC	**II**	**17 23 16 40**±1.1	**28.79N**±.050	**34.8E**±.13	**5**±9.8		**14**	**0-2**	
RYD	II	17 23 16 39.3	28.77N	34.7E	16	3.2D			¶97ii2569
IPRG	II	17 23 16 39.8±.81	28.8N	34.9E	0	2.3L			
JSO	II	17 23 16 41.2	28.84N	34.78E	1	3.3L			
JSO	**II**	**18 00 17 56.8**	**28.83N**	**34.79E**	**0**	**2.8L**			¶97ii2576
ISC	**II**	**18 01 58 06**±3.5	**28.86N**±.092	**34.8E**±.34	**10**		**4**	**0-1**	
RYD	II	18 01 58 05.6	28.82N	34.73E	10	2.9D			¶97ii2588
ISC	Poorly determined								
RYD	**II**	**18 04 41 49.1**	**28.84N**	**34.72E**	**10**	**2.5D**			¶97ii2602
ISC	**II**	**18 06 58 39**±1.1	**29.16N**±.042	**34.7E**±.11	**6**±10		**16**	**0-2**	
IPRG	II	18 06 58 41.0±.52	29.3N	34.8E	5±3.1	2.6L			¶97ii2613
JSO	II	18 06 58 41.4	29.20N	34.85E	7	2.6L			
RYD	II	18 06 59 39.7	29.16N	34.8E	10	3.4D			
ISC	**II**	**18 11 22 18**±1.0	**29.22N**±.041	**34.72E**±.084	**0**±7.9		**22**	**0-2**	
RYD	II	18 11 22 18.5	29.22N	34.73E	6	3.7D			¶97ii2634
JSO	II	18 11 22 19.4	29.23N	34.79E	1	3.3L			
IPRG	II	18 11 22 19.9±.42	29.4N	34.8E	0	3.4L			
ISC	**II**	**19 03 28 49**±3.0	**28.78N**±.078	**34.7E**±.27	**3**±16		**9**	**0-1**	
RYD	II	19 03 28 48.9	28.78N	34.66E	12	2.8D			¶97ii2729
JSO	II	19 03 28 51.9	28.88N	34.78E	5	2.8L			
ISC	**II**	**19 15 50 24**±2.0	**28.91N**±.067	**34.9E**±.20	**1**		**7**	**0-1**	
JSO	II	19 15 50 25.3	29.03N	34.82E	1	2.7L			¶97ii2806
JSO	**II**	**20 10 25 54.7**	**29.27N**	**34.87E**	**5**	**2.5L**			¶97ii2908
ISC	**II**	**20 17 53 46**±2.0	**28.87N**±.068	**34.8E**±.22	**16**		**8**	**0-1**	
RYD	II	20 17 53 45.8	28.87N	34.28E	16	3.4D			¶97ii2956
JSO	II	20 17 53 49.0	28.99N	34.94E	5	2.8L			
ISC	**II**	**20 19 30 35.3**±.83	**28.79N**±.046	**34.85E**±.089	**8**±6.6		**29**	**0-4**	
IPRG	II	20 19 30 34.4±.49	28.8N	35.0E	3	4.2L,4.3b			¶97ii2968
RYD	II	20 19 30 35.3	28.78N	34.85E	8	4.D			
JSO	II	20 19 30 36.8	28.85N	34.82E	2	4.2L			
JSO	**II**	**20 21 24 22.3**	**28.87N**	**34.75E**	**4**	**3.0L**			¶97ii2980
ISC	**II**	**21 10 12 54.3**±.79	**29.17N**±.063	**34.67E**±.068	**10**	**3.8b**	**51**	**0-85**	
NEIC	II	21 10 12 53.7	29.14N	34.65E	10				¶97ii3051
EIDC	II	21 10 12 54.1	29.2N	34.7E	0	3.8b,4.5L			
IPRG	II	21 10 12 56.0±.49	29.3N	34.7E	0	4.4L,4.4b			
JSO	II	21 10 12 57.1	29.24N	34.80E	5	4.2L			
NEIC	ML4.4(JER), Less reliable solution.								
ISC	**II**	**21 11 04 40**±6.1	**29.2N**±.41	**34.9E**±.42	**0**		**8**	**1-3**	
IPRG	II	21 11 04 40.9±.40	29.3N	34.8E	0	3.4L			¶97ii3057
ISC	**II**	**21 11 15 24.7**±.76	**29.21N**±.040	**34.72E**±.075	**2**		**22**	**0-2**	
JSO	II	21 11 15 26.9	29.24N	34.79E	2	2.7L			¶97ii3059
IPRG	II	21 11 15 27.1±.50	29.4N	34.8E	0	3.5L			
JSO	**II**	**21 14 28 54.9**	**29.23N**	**34.81E**	**5**	**2.6L**			¶97ii3084
ISC	**II**	**21 19 36 38.6**±.81	**29.22N**±.039	**34.71E**±.079	**1**		**24**	**0-2**	
IPRG	II	21 19 36 40.8±.43	29.4N	34.7E	0	3.4L			¶97ii3111
JSO	II	21 19 36 41.1	29.26N	34.81E	1	3.2L			
IPRG	**II**	**22 00 14 05.7**±.79	**27.3N**	**33.9E**	**12**	**3.2L**			¶97ii3145
ISC	**II**	**22 01 47 25**±1.6	**29.20N**±.056	**34.74E**±.092	**9**±14		**21**	**0-2**	
IPRG	II	22 01 47 24.6±.45	29.2N	34.9E	10	3.9L,4.1b			¶97ii3151
JSO	II	22 01 47 26.3	29.26N	34.83E	0	3.8L			
JSO	**II**	**22 02 40 35.1**	**29.20N**	**34.78E**	**4**	**2.8L**			¶97ii3157
JSO	**II**	**22 05 22 49.8**	**29.28N**	**34.82E**	**8**	**2.7L**			¶97ii3171
ISC	**II**	**22 06 38 38**±2.0	**29.19N**±.063	**34.8E**±.15	**11**±18		**18**	**0-2**	
IPRG	II	22 06 38 38.5±.60	29.2N	34.5E	10	3.3L			¶97ii3179
JSO	II	22 06 39 33.0	29.23N	34.81E	1	3.2L			
ISC	**II**	**23 04 34 14.1**±.70	**29.22N**±.038	**34.77E**±.075	**9**		**23**	**0-2**	
RYD	II	23 04 34 13.4	29.27N	34.73E	9	3.6D			¶97ii3294
IPRG	II	23 04 34 14.7±.71	29.3N	34.8E	0	2.8L			
JSO	II	23 04 34 15.0	29.21N	34.78E	2	3.2L			
IPRG	**II**	**23 18 23 29.1**±.63	**28.5N**	**32.7E**	**6**	**2.9L**			¶97ii3356
RYD	II	23 18 23 14.9	23.01N	33.54E	24	2.7D			
RYD	**II**	**23 21 03 07.3**	**29.3N**	**34.65E**	**9**	**2.5D**			¶97ii3373
ISC	**II**	**24 12 14 20.9**±.64	**29.19N**±.033	**34.77E**±.095	**5**		**26**	**0-2**	
RYD	II	24 12 14 20.0	29.2N	34.74E	7	4.2D			¶97ii3474
IPRG	II	24 12 14 22.9±1.19	29.3N	34.8E	5±7.6	3.1L			
JSO	II	24 12 15 15.7	29.22N	34.81E	8	3.1L			
ISC	**II**	**24 12 48 11**±1.6	**29.73N**±.064	**34.5E**±.14	**20**±11		**18**	**0-2**	
IPRG	II	24 12 48 11.1±1.19	29.8N	34.4E	9±1.6	2.1L			¶97ii3481
RYD	II	24 12 48 11.6	29.75N	34.59E	5	3.0D			
JSO	II	24 12 48 12.1	29.69N	34.56E	8	2.9L			
ISC	**II**	**24 22 32 28**±1.0	**29.24N**±.059	**34.75E**±.084	**10**		**22**	**0-2**	
RYD	II	24 22 32 28.4	29.2N	34.75E	10	3.2D			¶97ii3545
IPRG	II	24 22 32 28.8±.56	29.3N	34.8E	5±8.7	2.5L			
JSO	II	24 22 32 29.0	29.21N	34.80E	3	2.9L			
ISC	**II**	**24 22 52 58.6**±.97	**29.22N**±.053	**34.76E**±.080	**2**		**18**	**0-2**	
JSO	II	24 22 52 59.3	29.22N	34.75E	2	2.8L			¶97ii3548
IPRG	II	24 22 53 00.6±.74	29.4N	34.8E	0	2.1L			
RYD	II	24 22 54 00.5	29.2N	34.67E	5	3.0D			
ISC	**II**	**25 02 50 46**±6.8	**29.2N**±.40	**35.0E**±.27	**5**		**6**	**0-2**	
IPRG	II	25 02 50 47.3±.82	29.3N	34.7E	0	2.1L			¶97ii3570
RYD	II	25 02 50 47.6	29.24N	34.75E	5	2.5D			
RYD	**II**	**25 09 48 27.0**	**28.7N**	**34.7E**	**6**	**2.8D**			¶97ii3606
RYD	**II**	**25 14 34 56.0**	**26.77N**	**33.46E**	**10**				¶97ii3638
ISC	**II**	**25 14 45 30**±6.9	**29.3N**±.27	**34.5E**±.37	**13**		**8**	**0-1**	
IPRG	II	25 14 45 33.1±.70	29.4N	34.7E	13	2.2L			¶97ii3641
JSO	II	25 14 45 33.8	29.21N	34.85E	5	2.8L			
ISC	**II**	**26 00 18 39**±8.1	**28.2N**±.48	**34.5E**±.28	**23**±15		**28**	**0-4**	
IPRG	II	26 00 18 33.0±.50	27.8N	34.8E	6	4.2L,4.3b			¶97ii3712
RYD	II	26 00 18 38.2	28.1N	34.5E	18				
ISC	**II**	**26 04 38 47**±2.9	**29.7N**±.13	**34.5E**±.23	**18**±16		**14**	**0-1**	
IPRG	II	26 04 38 47.4±.23	29.8N	34.5E	9±3.1	2.1L			¶97ii3742
JSO	II	26 04 38 48.6	29.73N	34.64E	8	2.8L			
ISC	**II**	**26 16 45 48**±5.2	**28.82N**±.099	**34.7E**±.45	**12**±18		**5**	**0-1**	
RYD	II	26 16 45 48.8	28.82N	34.72E	7	3.9D			¶97ii3824
ISC	Poorly determined								
ISC	**II**	**26 21 45 45**±15	**28.7N**±.73	**34.7E**±.32	**1**±39		**19**	**1-2**	
IPRG	II	26 21 45 47.6±.60	28.8N	34.7E	5	3.7L,4.0b			¶97ii3856
JSO	II	26 21 45 49.7	28.89N	34.70E	2	3.7L			
JSO	**II**	**26 23 36 32.5**	**28.88N**	**34.75E**	**4**	**2.9L**			¶97ii3878
RYD	**II**	**27 06 59 36.8**	**29.24N**	**34.73E**	**10**	**2.5D**			¶97ii3914
ISC	**II**	**28 01 00 42.9**±.90	**29.22N**±.045	**34.73E**±.080	**5**		**21**	**0-2**	
IPRG	II	28 01 00 43.5±.42	29.2N	34.9E	5±2.7	2.9L			¶97ii4088
RYD	II	28 01 00 43.5	29.2N	34.73E	16	3.0D			
JSO	II	28 01 00 44.6	29.22N	34.80E	1	3.0L			
ISC	**II**	**28 08 30 07**±8.8	**29.1N**±.46	**34.9E**±.32	**5**		**7**	**1-2**	
IPRG	II	28 08 30 11.2±.74	29.3N	34.7E	5±5.5	2.0L			¶97ii4186
JSO	**III**	**01 03 24 36.1**	**28.79N**	**34.77E**	**1**	**3.0L**			¶97iii0029
ISC	**III**	**01 10 25 26**±3.7	**29.2N**±.19	**34.8E**±.17	**2**		**12**	**0-2**	
JSO	III	01 10 25 28.7	29.24N	34.85E	2	2.9L			¶97iii0093
ISC	**III**	**01 20 29 41.6**±.96	**29.24N**±.038	**34.70E**±.087	**1**±7.8		**24**	**0-2**	
IPRG	III	01 20 29 43.1±.25	29.3N	34.8E	5±2.3	2.4L			¶97iii0181
JSO	III	01 20 29 44.0	29.25N	34.82E	1	3.0L			
RYD	**III**	**02 13 02 49.3**	**29.47N**	**34.54E**	**0**	**3.0D**			¶97iii0316
JSO	**III**	**04 03 26 03.5**	**29.25N**	**34.79E**	**1**	**2.9L**			¶97iii0764
JSO	**III**	**04 21 35 46.9**	**28.98N**	**34.73E**	**0**	**2.9L**			¶97iii0921
ISC	**III**	**05 01 07 01**±1.1	**29.23N**±.045	**34.72E**±.085	**0**±7.9		**24**	**0-2**	
RYD	III	05 01 07 00.8	29.2N	34.64E	15	3.1D			¶97iii0955
IPRG	III	05 01 07 02.7±.37	29.4N	34.7E	0	2.8L			
JSO	III	05 01 07 02.9	29.23N	34.82E	1	3.1L			
JSO	**III**	**05 03 17 25.7**	**28.82N**	**34.83E**	**1**	**3.1L**			¶97iii0969
ISC	**III**	**05 16 26 03**±2.3	**29.3N**±.14	**34.8E**±.11	**5**		**15**	**0-2**	
JSO	III	05 16 26 02.5	29.23N	34.79E	5	2.9L			¶97iii1095
IPRG	III	05 16 26 03.6±1.42	29.4N	35.0E	10±6.8	2.3L			
RYD	**III**	**06 03 48 47.1**	**30.5N**	**32.84E**	**25**	**3.8D**			¶97iii1184
IPRG	**III**	**06 11 21 29.0**±.50	**29.1N**	**33.4E**	**5**	**2.0L**			¶97iii1260
JSO	**III**	**08 03 56 25.1**	**29.23N**	**34.81E**	**2**	**2.8L**			¶97iii1662
JSO	**III**	**08 10 16 22.8**	**29.42N**	**34.91E**	**5**	**2.4L**			¶97iii1731
JSO	**III**	**09 12 26 57.5**	**29.42N**	**34.89E**	**8**	**2.2L**			¶97iii1960
JSO	**III**	**10 01 19 27.3**	**28.91N**	**34.72E**	**2**	**2.9L**			¶97iii2125

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
ISC	**III**	**10 05 20 20**±1.8	**28.79N**±.065	**34.6E**±.17	**2**		**13**	**0-2**	
RYD	III	10 05 20 21.8	28.77N	34.68E	20	3.0D			**¶97iii2151**
IPRG	III	10 05 20 22.7±.82	28.9N	34.6E	0	2.2L			
JSO	III	10 05 20 24.3	28.94N	34.83E	2	3.1L			
ISC	**III**	**10 23 00 30**±6.0	**30.56N**±.086	**31.8E**±.52	**26**		**23**	**2-4**	
RYD	III	10 23 00 25.5	31.5N	31.6E	26	3.6D			**¶97iii2276**
IPRG	III	10 23 00 33.3±.35	30.6N	32.1E	12	3.7L,4.0b			
JSO	**III**	**10 23 52 21.1**	**29.28N**	**34.79E**	**4**	**3.0L**			**¶97iii2284**
JSO	**III**	**11 07 00 08.3**	**29.12N**	**34.88E**	**5**	**2.3L**			**¶97iii2328**
JSO	**III**	**11 12 08 27.8**	**29.11N**	**34.89E**	**5**	**2.5L**			**¶97iii2372**
ISC	**III**	**11 15 06 02**±6.1	**28.8N**±.28	**34.6E**±.33	**5**		**9**	**1-2**	
IPRG	III	11 15 06 05.0±1.03	29.0N	34.6E	5±2.7	2.1L			**¶97iii2399**
JSO	III	11 15 06 05.3	28.89N	34.79E	5	2.8L			
JSO	**III**	**11 15 07 06.6**	**28.94N**	**34.83E**	**5**	**2.5L**			**¶97iii2401**
ISC	**III**	**14 00 14 23**±17	**29.2N**±.68	**35.0E**±.76	**1**		**5**	**1-1**	
JSO	III	14 00 14 22.8	29.22N	34.85E	1	2.6L			**¶97iii2786**
IPRG	**III**	**14 01 38 17.6**±.66	**28.5N**	**32.8E**	**21**	**2.9L**			**¶97iii2793**
RYD	III	14 01 38 16.2	28.3N	32.3E	10	3.1D			
JSO	**III**	**14 02 53 48.4**	**28.96N**	**34.82E**	**5**	**2.8L**			**¶97iii2802**
JSO	**III**	**14 02 57 31.1**	**28.94N**	**34.84E**	**5**	**2.8L**			**¶97iii2803**
JSO	**III**	**14 11 46 39.4**	**29.29N**	**34.85E**	**5**	**2.6L**			**¶97iii2864**
JSO	**III**	**15 03 27 42.3**	**28.84N**	**34.74E**	**1**	**3.1L**			**¶97iii2989**
JSO	**III**	**15 03 38 24.3**	**28.34N**	**34.91E**	**5**	**3.1L**			**¶97iii2990**
JSO	**III**	**17 09 18 51.6**	**29.05N**	**34.83E**	**1**	**2.8L**			**¶97iii3353**
JSO	**III**	**18 06 22 13.1**	**29.13N**	**34.85E**	**5**	**2.5L**			**¶97iii3496**
ISC	**III**	**19 13 53 01**±1.1	**28.93N**±.050	**34.8E**±.13	**15**±14		**16**	**0-2**	
RYD	III	19 13 53 01.2	28.93N	34.79E	22	3.3D			**¶97iii3716**
JSO	III	19 13 53 02.9	28.97N	34.86E	7	3.2L			
IPRG	III	19 13 53 03.2±.79	29.1N	34.6E	4±4.1	2.9L			
ISC	**III**	**19 15 54 51**±2.2	**28.89N**±.059	**34.8E**±.26	**11**±11		**9**	**0-1**	
RYD	III	19 15 54 51.3	28.9N	34.8E	12	3.1D			**¶97iii3727**
JSO	III	19 15 55 08.6	29.42N	35.39E	5	2.9L			
ISC	**III**	**20 05 36 02**±5.9	**28.9N**±.27	**34.6E**±.31	**10**		**10**	**1-1**	
IPRG	III	20 05 36 04.4±.73	29.0N	34.6E	10	2.1L			**¶97iii3845**
JSO	III	20 05 36 04.6	28.90N	34.86E	5	3.0L			
JSO	**III**	**20 07 23 50.7**	**28.85N**	**34.76E**	**1**	**3.1L**			**¶97iii3862**
JSO	**III**	**20 20 05 23.2**	**28.89N**	**34.76E**	**4**	**3.1L**			**¶97iii3947**
JSO	**III**	**21 11 39 00.6**	**29.25N**	**34.81E**	**1**	**2.9L**			**¶97iii4062**
JSO	**III**	**21 22 29 03.0**	**28.90N**	**34.81E**	**5**	**3.0L**			**¶97iii4145**
JSO	**III**	**22 00 18 26.3**	**29.20N**	**34.87E**	**1**	**2.7L**			**¶97iii4164**
ISC	**III**	**22 01 37 44**±3.8	**28.8N**±.21	**34.7E**±.19	**5**		**10**	**1-2**	
IPRG	III	22 01 37 44.0±.51	28.8N	34.6E	5	2.0L			**¶97iii4178**
JSO	III	22 01 37 46.5	28.89N	34.74E	2	3.1L			
JSO	**III**	**22 19 02 48.0**	**28.86N**	**34.67E**	**2**	**3.2L**			**¶97iii4303**
JSO	**III**	**22 21 08 54.7**	**28.84N**	**34.64E**	**16**	**3.2L**			**¶97iii4317**
JSO	**III**	**22 23 52 40.5**	**29.44N**	**34.96E**	**15**	**2.8L**			**¶97iii4341**
JSO	**III**	**23 08 31 22.1**	**29.19N**	**34.88E**	**5**	**2.8L**			**¶97iii4421**
ISC	**III**	**26 01 58 44**±9.5	**29.2N**±.50	**34.4E**±.32	**10**		**5**	**1-1**	
IPRG	III	26 01 58 42.0±.68	29.0N	34.4E	10	2.2L			**¶97iii4826**
JSO	**III**	**27 20 09 40.9**	**29.04N**	**34.76E**	**5**	**2.7L**			**¶97iii5300**
JSO	**III**	**29 06 10 35.1**	**28.77N**	**34.70E**	**5**	**3.3L**			**¶97iii5548**
JSO	**III**	**29 06 42 08.8**	**28.97N**	**34.74E**	**2**	**2.8L**			**¶97iii5550**
ISC	**III**	**29 12 51 45**±9.6	**29.0N**±.56	**34.8E**±.35	**19**±23		**13**	**1-2**	
IPRG	III	29 12 51 42.1±.81	28.8N	34.8E	10	2.2L			**¶97iii5589**
JSO	III	29 12 51 43.8	28.96N	34.73E	8	2.9L			
JSO	**III**	**30 11 13 50.8**	**29.43N**	**34.98E**	**15**	**2.4L**			**¶97iii5747**
JSO	**III**	**30 12 47 37.8**	**28.83N**	**34.79E**	**2**	**3.0L**			**¶97iii5761**
JSO	**III**	**31 20 10 38.4**	**29.24N**	**34.83E**	**3**	**2.4L**			**¶97iii5928**
JSO	**III**	**31 21 31 08.0**	**28.85N**	**34.81E**	**5**	**2.9L**			**¶97iii5937**
RYD	**IV**	**03 07 21 23.3**	**28.38N**	**33.97E**	**16**	**3.0D**			**¶97iv0390**
JSO	**IV**	**03 09 49 18.2**	**29.04N**	**34.88E**	**8**	**2.9L**			**¶97iv0408**
RYD	IV	03 09 49 16.0	28.94N	34.84E	19	3.0D			
ISC	**IV**	**05 23 11 50**±5.2	**29.1N**±.28	**34.8E**±.19	**0**		**9**	**1-2**	
IPRG	IV	05 23 11 50.7±.97	29.1N	34.7E	0	2.1L			**¶97iv0874**
JSO	**IV**	**06 06 11 54.7**	**28.88N**	**34.75E**	**2**	**2.7L**			**¶97iv0944**
JSO	**IV**	**06 13 14 20.1**	**28.93N**	**34.81E**	**9**	**2.7L**			**¶97iv1000**
IPRG	**IV**	**06 18 48 54.6**±.58	**29.1N**	**33.3E**	**13**	2.6L			**¶97iv1038**
RYD	**IV**	**07 03 07 22.3**	**28.2N**	**33.76E**	**14**	**3.1D**			**¶97iv1093**
ISC	**IV**	**07 16 35 48**±1.7	**29.40N**±.088	**34.82E**±.064	**8**±7.5		**29**	**0-5**	
RYD	IV	07 16 35 45.0	29.2N	34.68E	7	4.0D			**¶97iv1188**
IPRG	IV	07 16 35 45.2±.48	29.3N	34.8E	0	4.0L,4.1b			
JSO	IV	07 16 35 46.3	29.20N	34.80E	0	3.6L			
RYD	**IV**	**08 10 52 11.3**	**28.98N**	**34.63E**	**5**	**2.9D**			**¶97iv1319**
ISC	**IV**	**10 09 45 21**±4.9	**29.3N**±.22	**34.7E**±.26	**12**		**14**	**0-1**	
RYD	IV	10 09 45 20.3	29.25N	34.72E	12	2.9D			**¶97iv1666**
JSO	IV	10 09 45 21.6	29.24N	34.82E	1	2.9L			
IPRG	IV	10 09 45 22.0±.67	29.4N	34.8E	4±6.5	2.6L			
RYD	**IV**	**12 02 40 35.4**	**28.9N**	**34.72E**	**14**	**2.9D**			**¶97iv1999**
IPRG	**IV**	**12 14 54 13.7**±.51	**29.0N**	**33.2E**	**25**	**2.0L**			**¶97iv2083**
ISC	**IV**	**13 16 08 45**±2.2	**29.4N**±.13	**34.8E**±.10	**11**		**18**	**0-2**	
RYD	IV	13 16 08 41.6	29.15N	34.69E	11	3.0D			**¶97iv2263**
JSO	IV	13 16 08 42.7	29.21N	34.79E	1	2.9L			
IPRG	IV	13 16 08 44.2±.20	29.4N	34.8E	4±2.8	2.5L			
ISC	**IV**	**13 17 00 31**±2.1	**29.2N**±.13	**34.71E**±.092	**1**		**25**	**0-85**	
JSO	IV	13 17 00 32.3	29.22N	34.76E	1	3.3L			**¶97iv2269**
IPRG	IV	13 17 00 32.4±.30	29.3N	34.8E	5±2.2	3.5L			
ISC	**IV**	**13 20 50 04**±3.2	**29.2N**±.18	**34.8E**±.15	**10**		**13**	**0-2**	
RYD	IV	13 20 50 03.1	29.16N	34.08E	10	3.0D			**¶97iv2297**
IPRG	IV	13 20 50 04.1±2.09	29.2N	34.8E	5±5.2	2.0L			
JSO	IV	13 20 50 04.5	29.18N	34.88E	1	2.5L			
ISC	**IV**	**13 21 30 21**±2.2	**29.3N**±.13	**34.67E**±.094	**5**	3.8b	**22**	**0-85**	
IPRG	IV	13 21 30 19.7±.49	29.2N	34.8E	5±2.6	3.5L			**¶97iv2303**
JSO	IV	13 21 30 19.8	29.16N	34.66E	2	3.1L			
RYD	IV	13 21 30 21.8	29.1N	34.74E	1	3.8D			
ISC	**IV**	**14 15 03 29**±2.4	**29.0N**±.15	**34.8E**±.11	**5**		**30**	**1-3**	
IPRG	IV	14 15 03 29.4±.24	29.0N	34.8E	5±2.0	3.8L,4.0b			**¶97iv2476**
JSO	IV	14 15 03 31.5	29.05N	34.86E	1	3.9L			
JSO	**IV**	**15 04 09 44.9**	**28.92N**	**34.73E**	**4**	**2.9L**			**¶97iv2550**
JSO	**IV**	**18 12 33 52.8**	**29.37N**	**34.85E**	**1**	**2.2L**			**¶97iv3072**
JSO	**IV**	**18 13 04 22.1**	**29.15N**	**34.78E**	**5**	**2.6L**			**¶97iv3083**
JSO	**IV**	**18 14 22 43.0**	**29.35N**	**34.88E**	**1**	**2.4L**			**¶97iv3090**
ISC	**IV**	**18 20 00 34**±8.5	**29.0N**±.61	**34.6E**±.35	**11**		**8**	**1-2**	
RYD	IV	18 20 00 30.6	28.76N	34.69E	11	3.2D			**¶97iv3113**
IPRG	IV	18 20 00 31.7±.78	28.9N	34.5E	5	3.1L			
ISC	**IV**	**19 14 38 18**±2.2	**31.92N**±.099	**31.0E**±.20	**33**		**11**	**2-4**	
									¶97iv3208
ISC	**IV**	**20 16 02 44**±2.2	**29.4N**±.13	**34.8E**±.10	**12**		**21**	**0-3**	
RYD	IV	20 16 02 41.1	29.26N	35.63E	12	3.4D			**¶97iv3338**
IPRG	IV	20 16 02 42.9±.31	29.3N	34.8E	5±2.2	3.4L			
JSO	IV	20 16 02 43.1	29.22N	34.80E	1	3.4L			
ISC	**IV**	**21 03 37 27**±5.1	**29.2N**±.24	**34.8E**±.25	**10**		**12**	**0-2**	
IPRG	IV	21 03 37 28.0±.96	29.2N	34.7E	10±1.9	2.2L			**¶97iv3398**
JSO	IV	21 03 37 28.2	29.16N	34.91E	1	2.9L			
ISC	**IV**	**21 03 46 30**±13	**28.8N**±.65	**34.7E**±.32	**4**±32		**12**	**1-2**	
RYD	IV	21 03 46 29.2	28.77N	34.68E		3.5D			**¶97iv3400**
IPRG	IV	21 03 46 31.0±.98	28.9N	34.7E	5	3.2L			
JSO	IV	21 03 46 31.0	28.85N	34.78E	1	2.9L			
ISC	**IV**	**21 04 20 51**±4.5	**29.7N**±.47	**35.0E**±.38	**20**		**4**	**0-1**	
JSO	IV	21 04 20 51.2	29.73N	34.97E	20	2.4L			**¶97iv3403**
ISC	Poorly determined								
JSO	**IV**	**21 14 38 07.1**	**28.61N**	**34.78E**	**2**	**3.0L**			**¶97iv3505**
RYD	IV	21 14 38 05.4	28.55N	34.70E	12	2.9D			
ISC	**IV**	**21 14 57 53.9**±.62	**29.86N**±.042	**34.96E**±.069	**10**±7.7		**21**	**0-2**	
RYD	IV	21 14 57 53.9	29.84N	35.06E	2	3.2D			**¶97iv3510**
IPRG	IV	21 14 57 54.6±.15	29.8N	35.0E	9±1.7	3.2L			
JSO	IV	21 14 57 55.4	29.84N	35.08E	1	3.1L			
ISC	**IV**	**21 19 40 20**±15	**29.3N**±.58	**34.9E**±.76	**8**±31		**5**	**0-1**	
JSO	IV	21 19 40 20.6	29.31N	34.91E	3	2.8L			**¶97iv3563**
ISC	Poorly determined								
ISC	**IV**	**21 21 44 50**±5.8	**30.0N**±.12	**34.9E**±.42	**5**		**4**	**0-1**	
JSO	IV	21 21 44 50.6	29.93N	34.94E	5	2.4L			**¶97iv3588**
ISC	Poorly determined								
IPRG	**IV**	**22 13 45 19.4**±.43	**29.4N**	**32.7E**	**6**	**2.1L**			**¶97iv3753**
ISC	**IV**	**22 15 12 51**±3.8	**29.2N**±.21	**34.8E**±.17	**15**		**14**	**0-2**	
RYD	IV	22 15 12 47.1	28.91N	34.74E	15	3.3D			**¶97iv3769**
IPRG	IV	22 15 12 47.7±1.14	29.0N	34.8E	5±2.9	2.8L			
JSO	IV	22 15 12 48.9	28.98N	34.84E	1	3.1L			
ISC	**IV**	**23 03 22 11**±3.3	**29.5N**±.21	**34.8E**±.16	**12**		**10**	**0-1**	
RYD	IV	23 03 22 04.9	29.24N	34.58E	12	3.0D			**¶97iv3886**
IPRG	IV	23 03 22 06.1±.57	29.3N	34.8E	0	2.3L			
ISC	**IV**	**23 06 47 50**±7.7	**29.5N**±.39	**34.7E**±.35	**7**±21		**11**	**0-2**	
RYD	IV	23 06 47 44.4	29.2N	34.67E	12	3.6D			**¶97iv3908**
IPRG	IV	23 06 47 46.6±.48	29.3N	34.8E	5±2.6	3.5L			
ISC	**IV**	**23 13 36 08.3**±.61	**29.87N**±.042	**35.00E**±.062	**2**±11		**17**	**0-1**	
RYD	IV	23 13 36 08.4	29.84N	34.91E	14	3.0D			**¶97iv3967**
IPRG	IV	23 13 36 09.1±.23	29.9N	35.0E	9±3.2	2.4L			
JSO	IV	23 13 36 09.4	29.84N	35.04E	5	2.2L			
ISC	**IV**	**24 10 04 46**±2.8	**29.2N**±.18	**34.9E**±.12	**12**		**23**	**0-3**	
RYD	IV	24 10 04 43.6	29.10N	34.84E	12	3.5D			**¶97iv4120**
IPRG	IV	24 10 04 44.1±.49	29.1N	34.9E	3±2.0	3.5L			
JSO	IV	24 10 04 45.7	29.12N	34.96E	1	3.2L			
ISC	**IV**	**25 01 54 05**±10	**29.3N**±.42	**35.0E**±.49	**5**±18		**8**	**0-2**	
JSO	IV	25 01 54 07.0	29.38N	34.96E	5	2.7L			**¶97iv4256**
JSO	**IV**	**25 02 15 15.1**	**29.38N**	**34.95E**	**3**	**2.3L**			**¶97iv4259**
JSO	**IV**	**25 04 58 01.0**	**29.03N**	**34.85E**	**5**	**2.9L**			**¶97iv4284**
RYD	IV	25 04 57 59.6	28.96N	34.78E	12	2.9D			
JSO	**IV**	**25 14 45 52.4**	**28.42N**	**34.96E**	**1**	**3.1L**			**¶97iv4363**
JSO	**IV**	**26 20 22 03.5**	**28.80N**	**34.81E**	**1**	**3.0L**			**¶97iv4603**
RYD	IV	26 20 22 01.5	28.72N	34.73E	10	2.9D			
ISC	**IV**	**27 07 01 26**±8.0	**29.6N**±.42	**35.0E**±.51	**13**±29		**5**	**0-1**	
JSO	IV	27 07 01 27.7	29.79N	35.03E	14	2.5L			**¶97iv4681**
ISC	Poorly determined								
JSO	**IV**	**27 22 27 17.4**	**29.40N**	**34.93E**	**10**	**2.6L**			**¶97iv4800**
RYD	**IV**	**28 00 24 46.1**	**28.77N**	**34.36E**	**16**	**2.7D**			**¶97iv4812**
ISC	**IV**	**28 00 33 46**±11	**29.2N**±.42	**34.9E**±.64	**9**		**6**	**0-1**	
JSO	IV	28 00 33 48.7	29.36N	34.92E	9	2.4L			**¶97iv4814**
ISC	**IV**	**28 03 57 03**±6.6	**29.1N**±.28	**34.6E**±.36	**2**		**8**	**1-1**	
RYD	IV	28 03 56 10.0	29.3N	34.48E	10	3.1D			**¶97iv4844**
JSO	IV	28 03 57 06.5	29.24N	34.79E	2	2.6L			
JSO	**IV**	**28 04 47 37.6**	**29.26N**	**34.84E**	**9**	**2.4L**			**¶97iv4850**
JSO	**IV**	**29 12 30 30.3**	**29.09N**	**34.90E**	**5**	**2.7L**			**¶97iv5074**
JSO	**IV**	**29 13 58 00.1**	**29.25N**	**34.75E**	**2**	**2.4L**			**¶97iv5085**
JSO	**IV**	**29 14 08 46.1**	**28.91N**	**34.80E**	**5**	**2.8L**			**¶97iv5089**
RYD	**IV**	**29 19 33 37.4**	**28.81N**	**34.75E**	**9**	**3.0D**			**¶97iv5113**
JSO	IV	29 19 33 37.6	28.91N	34.68E	0	2.9L			
JSO	**V**	**02 02 31 14.6**	**28.97N**	**34.80E**	**9**	**2.9L**			**¶97v0199**
RYD	V	02 02 31 13.3	28.8N	34.7E	27	2.5D			
ISC	**V**	**02 04 55 17**±2.7	**28.4N**±.10	**34.3E**±.19	**24**±16		**20**	**1-3**	
IPRG	V	02 04 55 15.6±.58	28.4N	34.2E	2	3.2L			**¶97v0207**
JSO	V	02 04 55 15.9	28.29N	34.25E	5	3.8L			
RYD	V	02 04 55 22.3	28.5N	34.82E	34	3.5D			
RYD	**V**	**02 13 59 25.5**	**28.6N**	**34.2E**	**36**	**2.9D**			**¶97v0277**
RYD	**V**	**03 01 51 18.6**	**28.71N**	**34.7E**	**20**	**2.7D**			**¶97v0356**
RYD	**V**	**03 10 21 16.7**	**28.8N**	**34.73E**	**15**	**2.7D**			**¶97v0415**
JSO	V	03 10 21 18.8	28.94N	34.66E	0	2.7L			
ISC	**V**	**03 16 36 21**±1.3	**29.25N**±.058	**34.7E**±.15	**12**		**8**	**0-1**	
RYD	V	03 16 36 21.7	29.3N	34.73E	12	3.0D			**¶97v0459**
IPRG	V	03 16 36 23.4±.56	29.4N	34.7E	0	2.0L			
ISC	**V**	**03 18 51 18.5**±.75	**29.22N**±.040	**34.74E**±.078	**5**		**18**	**0-2**	
JSO	V	03 18 51 20.3	29.27N	34.79E	5	3.0L			**¶97v0486**
RYD	V	03 18 51 22.0	29N	35.1E	13	3.2D			
ISC	**V**	**04 03 35 31.2**±.85	**29.17N**±.050	**34.75E**±.086	**10**		**15**	**0-2**	
RYD	V	04 03 35 31.7	29.2N	34.8E	10	3.2D			**¶97v0553**
IPRG	V	04 03 35 32.1±.69	29.3N	34.8E	0	2.2L			
JSO	V	04 03 35 32.4	29.26N	34.76E	5	3.1L			
JSO	**V**	**04 09 07 39.1**	**29.11N**	**34.79E**	**9**	**2.6L**			**¶97v0605**
RYD	V	04 09 07 38.8	29.1N	34.9E	14	2.9D			
RYD	**V**	**04 12 16 47.9**	**29.3N**	**34.95E**	**15**	**2.5D**			**¶97v0636**
JSO	**V**	**05 01 23 36.3**	**29.39N**	**34.94E**	**17**	**2.5L**			**¶97v0721**
JSO	**V**	**05 04 59 12.5**	**29.25N**	**34.91E**	**20**	**2.7L**			**¶97v0742**
JSO	**V**	**05 15 30 52.8**	**29.17N**	**34.90E**	**5**	**2.4L**			**¶97v0803**
ISC	**V**	**05 16 11 32**±15	**29.2N**±.62	**34.9E**±.69	**2**		**6**	**1-1**	
JSO	V	05 16 11 33.1	29.18N	34.87E	2	2.6L			**¶97v0812**
IPRG	**V**	**05 23 02 06.2**±.47	**28.4N**	**32.8E**	**6**	**3.3L**			**¶97v0863**
ISC	**V**	**08 05 37 34**±13	**28.9N**±.77	**34.8E**±.55	**8**		**5**	**1-2**	
JSO	V	08 05 37 34.7	28.92N	34.73E	8	2.9L			**¶97v1185**
ISC	**V**	**08 05 47 32**±4.5	**28.77N**±.085	**34.6E**±.38	**14**		**5**	**0-1**	
RYD	V	08 05 47 33.2	28.8N	34.7E	14	3.1D			**¶97v1187**
RYD	**V**	**09 11 22 33.2**	**29.2N**	**34.7E**	**13**	**2.9D**			**¶97v1414**
RYD	**V**	**09 14 25 08.9**	**28.9N**	**34.5E**	**33**	**2.9D**			**¶97v1435**
ISC	**V**	**10 05 14 58**±4.8	**29.2N**±.20	**34.8E**±.38	**11**		**4**	**0-1**	
RYD	V	10 05 14 58.5	29.2N	34.9E	11	3.1D			**¶97v1528**
ISC	Poorly determined								
ISC	**V**	**10 16 46 18**±1.1	**28.92N**±.046	**34.72E**±.098	**13**±5.8		**29**	**0-3**	
RYD	V	10 16 46 16.1	29.1N	34.5E	21	3.8D			**¶97v1630**
IPRG	V	10 16 46 17.7±.47	28.9N	34.8E	2	3.9L,4.1b			
JSO	V	10 16 46 20.8	28.99N	34.84E	5	3.5L			
ISC	**V**	**10 23 01 47.8**±.33	**28.28N**±.032	**34.61E**±.032	**10**	**4.5b,3.6s**	**190**	**0-91**	
IPRG	V	10 23 01 43.1±.38	28.0N	34.7E	3	5.3L,5.1b			**¶97v1681**
BJI	V	10 23 01 46.9	28.20N	34.80E	10	4.7b,4.8s			

NEIC	V	10 23 01 46.9	28.21N	34.82E	10	4.7b		
MOS	V	10 23 01 47.0	28.2N	34.7E	10	5.0b,4.2s		
EIDC	V	10 23 01 47.5	28.4N	34.6E	0	4.3b,3.6s		
RYD	V	10 23 01 49.7	28.6N	34.6E	26	4.2D		
NEIC	ML5.3(JER).							
RYD	**V**	**10 23 05 21.2**	**28.3N**	**34.6E**	**35**	**3.6D**		**¶97vi1682**
ISC	**V**	**10 23 17 02**±2.4	**28.3N**±.10	**34.7E**±.19	**19**±14		**17**	**0-3**
IPRG	V	10 23 17 00.1±.54	28.2N	34.5E	16	3.3L		**¶97vi1684**
RYD	V	10 23 17 03.8	28.4N	34.7E	16	3.1D		
IPRG	**V**	**11 00 50 50.6**±.79	**28.8N**	**33.6E**	**5**	**2.3L**		**¶97vi1693**
RYD	V	11 00 50 40.8	28.5N	33.9E	13	2.9D		
RYD	**V**	**11 03 30 24.9**	**28.3N**	**34.8E**	**14**	**2.5D**		**¶97vi1715**
RYD	**V**	**11 03 47 55.3**	**28.3N**	**34.6E**	**15**	**2.9D**		**¶97vi1717**
ISC	**V**	**11 04 26 51**±1.9	**29.0N**±.14	**34.96E**±.078	**2**		**18**	**1-5**
IPRG	V	11 04 26 39.6±.91	28.2N	34.8E	2	4.4L,4.4b		**¶97vi1722**
JSO	V	11 04 26 49.3	28.76N	34.85E	1	4.1L		
ISC	**V**	**11 04 36 44**±5.9	**28.68N**±.096	**34.5E**±.60	**26**		**5**	**0-3**
RYD	V	11 04 36 44.5	28.6N	34.6E	26	4.1D		**¶97vi1725**
ISC	**V**	**11 14 44 18**±3.3	**28.22N**±.099	**34.5E**±.18	**13**±16		**23**	**0-5**
IPRG	V	11 14 44 15.6±.50	28.0N	34.8E	6	4.1L,4.3b		**¶97vi1796**
RYD	V	11 14 44 19.1	28.3N	34.5E	17	3.8D		
JSO	V	11 14 44 25.6	28.58N	34.80E	3	3.6L		
ISC	**V**	**11 17 02 30**±1.3	**28.53N**±.075	**34.8E**±.13	**7**±7.9		**14**	**0-3**
IPRG	V	11 17 02 27.5±.59	28.4N	35.0E	0	2.2L		**¶97vi1813**
RYD	**V**	**11 18 21 05.5**	**29.8N**	**33.5E**	**35**	**2.5D**		**¶97vi1824**
JSO	**V**	**11 18 48 47.4**	**28.58N**	**34.66E**	**4**	**3.3L**		**¶97vi1825**
RYD	V	11 18 48 40.9	28.7N	35.1E	10			
RYD	**V**	**11 19 05 24.9**	**28.8N**	**34.8E**	**15**	**2.5D**		**¶97vi1829**
ISC	**V**	**11 19 54 12**±1.4	**29.10N**±.074	**34.9E**±.19	**13**±9.1		**10**	**0-1**
RYD	V	11 19 54 10.7	29.1N	34.9E	21	3.1D		**¶97vi1834**
JSO	V	11 19 54 12.6	29.15N	34.89E	2	2.5L		
ISC	**V**	**13 08 36 43**±1.0	**28.62N**±.070	**34.9E**±.12	**9**±11		**13**	**0-2**
JSO	V	13 08 36 37.8	28.47N	34.33E	5	3.5L		**¶97v2205**
IPRG	V	13 08 36 40.2±1.06	28.4N	34.7E	5	3.1L		
RYD	V	13 08 36 40.7	28.5N	34.6E	10	3.2D		
JSO	**V**	**13 13 31 03.8**	**29.29N**	**34.74E**	**2**	**2.8L**		**¶97v2261**
ISC	**V**	**13 23 04 59**±7.7	**28.7N**±.31	**32.8E**±.57	**6**		**18**	**2-4**
IPRG	V	13 23 05 05.1±.53	28.9N	33.2E	6	3.1L		**¶97v2348**
RYD	V	13 23 05 08.2	28.9N	33.1E	35	2.9D		
JSO	**V**	**15 08 59 28.7**	**29.00N**	**34.79E**	**5**	**2.6L**		**¶97v2588**
RYD	**V**	**15 10 07 16.0**	**29.2N**	**34.8E**	**15**	**2.9D**		**¶97v2594**
JSO	**V**	**15 11 44 07.8**	**28.48N**	**34.94E**	**15**	**2.9L**		**¶97v2607**
ISC	**V**	**16 00 22 08**±1.7	**28.84N**±.075	**34.7E**±.12	**10**±7.5		**21**	**0-2**
RYD	V	16 00 21 25.8	28.6N	31.1E	35	3.4D		**¶97v2703**
IPRG	V	16 00 22 08.1±.40	28.8N	34.9E	9	2.9L		
JSO	V	16 00 22 09.7	28.87N	34.77E	2	3.5L		
ISC	**V**	**16 11 09 42**±2.4	**29.3N**±.14	**34.7E**±.11	**2**		**14**	**0-2**
JSO	V	16 11 09 42.9	29.22N	34.78E	2	2.9L		**¶97v2763**
IPRG	V	16 11 09 45.1±.94	29.4N	34.8E	5±3.5	2.5L		
ISC	**V**	**20 13 33 02**±1.2	**29.23N**±.048	**34.7E**±.12	**3**±8.3		**27**	**0-3**
RYD	V	20 13 33 01.8	29.25N	34.70E	10	3.8D		**¶97v3405**
IPRG	V	20 13 33 02.3±.25	29.3N	34.8E	3±2.5	3.9L,4.0b		
JSO	V	20 13 35 15.9	29.23N	34.85E	3	3.5L		
JSO	**V**	**21 05 08 31.2**	**29.27N**	**34.96E**	**17**	**2.5L**		**¶97v3518**
ISC	**V**	**21 09 20 27**±11	**29.2N**±.40	**34.8E**±.62	**2**		**6**	**1-1**
JSO	V	21 09 20 27.6	29.23N	34.75E	2	2.9L		**¶97v3537**
ISC	**V**	**21 16 28 32.5**±.92	**29.25N**±.049	**34.8E**±.13	**5**		**10**	**0-2**
RYD	V	21 16 28 03.7	31.3N	35.6E	33	2.9D		**¶97v3582**
IPRG	V	21 16 28 33.3±.76	29.3N	34.8E	5±9.5	2.2L		
ISC	**V**	**21 19 45 26.0**±.73	**29.26N**±.041	**34.95E**±.072	**9**±5.7		**25**	**0-3**
JSO	V	21 19 45 23.2	29.21N	34.77E	5	3.4L		**¶97v3599**
IPRG	V	21 19 45 25.3±.45	29.3N	34.8E	0	3.2L		
RYD	V	21 19 45 25.6	29.2N	34.7E	8	3.3D		
ISC	**V**	**22 16 30 25**±6.3	**28.5N**±.31	**34.7E**±.33	**7**		**11**	**1-2**
JSO	V	22 16 30 32.9	28.99N	34.79E	7	2.9L		**¶97v3800**
RYD	V	22 16 30 34.7	28.9N	34.7E	16	2.6D		
JSO	**V**	**23 08 54 53.4**	**28.92N**	**34.74E**	**3**	**2.9L**		**¶97v3922**
JSO	**V**	**24 00 09 08.6**	**29.17N**	**34.78E**	**3**	**2.9L**		**¶97v4023**
ISC	**V**	**24 09 10 54**±4.3	**29.4N**±.27	**34.6E**±.13	**5**		**11**	**0-2**
RYD	V	24 09 10 47.9	29.3N	34.4E	10	2.7D		**¶97v4088**
IPRG	V	24 09 10 51.2±.47	29.2N	34.8E	5±5.3	2.5L		
ISC	**V**	**28 12 14 40**±11	**28.8N**±.29	**33.4E**±.93	**7**		**8**	**1-2**
IPRG	V	28 12 14 35.2±.72	28.4N	33.2E	7	2.7L		**¶97v4717**
ISC	**V**	**28 13 24 27**±3.7	**28.9N**±.14	**34.8E**±.61	**32**±18		**6**	**0-1**
JSO	V	28 13 24 27.2	28.91N	34.83E	5	2.6L		**¶97v4725**
JSO	**V**	**29 03 25 46.4**	**29.11N**	**34.72E**	**5**	**2.7L**		**¶97v4813**
JSO	**V**	**29 05 38 44.8**	**29.00N**	**34.83E**	**9**	**2.9L**		**¶97v4826**
ISC	**V**	**29 09 17 48**±6.9	**29.1N**±.35	**34.8E**±.32	**10**		**10**	**0-2**
JSO	V	29 09 17 47.7	29.13N	34.83E	6	3.2L		**¶97v4846**
IPRG	V	29 09 17 49.4±.58	29.2N	34.8E	10±2.7	2.4L		
RYD	V	29 09 17 49.6	29.3N	34.8E	20	2.9D		
JSO	**V**	**30 20 38 52.6**	**29.36N**	**34.96E**	**5**	**2.5L**		**¶97v5095**
JSO	**VI**	**01 07 16 35.0**	**29.19N**	**34.81E**	**5**	**2.5L**		**¶97vi0038**
JSO	**VI**	**01 22 36 21.6**	**28.84N**	**34.68E**	**2**	**2.6L**		**¶97vi0147**
RYD	**VI**	**02 06 55 42.4**	**28.48N**	**34.53E**	**8**	**3.2D**		**¶97vi0198**
ISC	**VI**	**02 22 39 30**±4.4	**28.89N**±.081	**34.4E**±.36	**1**		**9**	**0-1**
JSO	VI	02 22 39 32.3	28.76N	34.77E	1	3.1L		**¶97vi0343**
RYD	VI	02 22 39 36.0	28.64N	34.7E	9	3.2D		
ISC	**VI**	**03 15 24 31**±13	**29.3N**±.51	**34.9E**±.65	**4**		**5**	**1-1**
JSO	VI	03 15 24 33.4	29.37N	34.91E	4	2.5L		**¶97vi0476**
JSO	**VI**	**03 22 16 56.0**	**29.22N**	**34.77E**	**2**	**2.6L**		**¶97vi0524**
JSO	**VI**	**05 01 18 55.4**	**29.07N**	**34.81E**	**8**	**2.9L**		**¶97vi0693**
IPRG	**VI**	**05 09 54 18.5**±.57	**29.3N**	**34.8E**	**5**±4.5	**4.0L**,4.2b		**¶97vi0746**
JSO	VI	05 09 54 01.3	29.23N	34.80E	2	3.7L		
RYD	VI	05 09 54 16.6	29.26N	34.69E	8	3.7D		
IPRG	**VI**	**05 10 13 12.2**±.94	**29.3N**	**34.8E**	**5**±3.0	**2.9L**		**¶97vi0749**
JSO	VI	05 10 12 55.7	29.24N	34.82E	2	3.2L		
RYD	VI	05 10 13 10.2	29.26N	34.72E	10	3.1D		
ISC	**VI**	**06 07 20 37**±1.2	**28.88N**±.049	**34.8E**±.15	**11**±9.3		**10**	**0-1**
IPRG	VI	06 07 20 36.5±.50	28.9N	34.7E	5	3.0L		**¶97vi0901**
RYD	VI	06 07 20 38.1	28.87N	34.86E	5	3.2D		
IPRG	**VI**	**06 17 24 23.3**±1.65	**29.1N**	**34.6E**	**5**±4.3	**3.0L**		**¶97vi0963**
JSO	VI	06 17 24 06.8	28.96N	34.88E	1	3.1L		
RYD	VI	06 17 24 21.3	28.87N	34.78E	15	3.0D		
ISC	**VI**	**06 19 57 11**±8.7	**29.2N**±.33	**34.9E**±.45	**5**		**6**	**1-1**
JSO	VI	06 19 57 15.8	29.43N	35.00E	5	2.4L		**¶97vi0985**
ISC	**VI**	**07 17 57 07.4**±.93	**28.94N**±.056	**34.90E**±.092	**6**±8.0		**16**	**0-2**
RYD	VI	07 17 57 02.6	28.58N	34.67E	10	3.1D		**¶97vi1125**
JSO	VI	07 17 57 07.5	28.94N	34.82E	8	3.0L		
IPRG	VI	07 17 57 07.6±.72	29.0N	34.9E	0	2.0L		
ISC	**VI**	**09 00 50 57**±2.9	**28.71N**±.085	**34.8E**±.31	**10**		**4**	**0-1**
RYD	VI	09 00 50 57.2	28.71N	34.82E	10	3.0D		**¶97vi1305**
ISC	Poorly determined							
JSO	**VI**	**09 07 29 59.0**	**29.22N**	**34.82E**	**4**	**2.7L**		**¶97vi1351**
ISC	**VI**	**09 11 21 40**±7.9	**29.2N**±.29	**34.6E**±.45	**5**		**5**	**0-1**
RYD	VI	09 11 21 42.2	29.25N	34.68E	5	3.6D		**¶97vi1387**
ISC	**VI**	**09 11 31 43**±2.5	**29.3N**±.14	**34.8E**±.11	**3**		**16**	**0-2**
IPRG	VI	09 11 31 43.5±.46	29.3N	34.9E	3±2.9	3.5L		**¶97vi1388**
JSO	VI	09 11 31 44.1	29.25N	34.82E	5	3.4L		
ISC	**VI**	**09 21 09 44**±1.7	**27.8N**±.11	**33.5E**±.13	**4**		**22**	**1-5**
IPRG	VI	09 21 09 35.3±.46	27.2N	32.9E	4	4.2L,4.3b		**¶97vi1439**
RYD	VI	09 21 09 49.0	27.74N	33.57E	35	4.0D		
ISC	**VI**	**13 00 27 46.6**±.97	**28.86N**±.045	**34.77E**±.095	**5**±7.1		**21**	**0-2**
RYD	VI	13 00 27 47.2	28.82N	34.82E	17	3.2D		**¶97vi1911**
JSO	VI	13 00 27 47.9	28.89N	34.78E	8	3.3L		
IPRG	VI	13 00 27 47.9±.92	28.9N	34.7E	5±5.6	2.1L		
ISC	**VI**	**14 03 46 23.0**±.98	**28.79N**±.044	**34.8E**±.10	**2**±8.0	3.4b	**18**	**0-86**
RYD	VI	14 03 46 22.7	28.76N	34.75E	14	3.1D		**¶97vi2083**
IPRG	VI	14 03 46 23.2±.82	28.8N	34.8E	5	2.3L		
JSO	VI	14 03 46 24.3	28.77N	34.86E	5	3.2L		
ISC	**VI**	**15 00 22 23**±3.1	**29.4N**±.20	**34.9E**±.15	**20**±9.5		**15**	**0-2**
JSO	VI	15 00 22 24.8	29.45N	34.98E	18	2.8L		**¶97vi2194**
IPRG	VI	15 00 22 24.9±.77	29.5N	34.8E	14±3.0	2.4L		
ISC	**VI**	**15 06 36 51**±7.3	**28.8N**±.29	**34.4E**±.43	**4**		**10**	**1-2**
IPRG	VI	15 06 36 59.0±.35	29.1N	34.7E	4±3.0	2.2L		**¶97vi2251**
JSO	VI	15 06 36 59.8	29.13N	34.86E	2	2.8L		
IPRG	**VI**	**16 13 04 12.5**±.62	**29.0N**	**33.2E**	**6**	**2.3L**		**¶97vi2466**
IPRG	**VI**	**17 07 31 33.6**±.40	**29.7N**	**32.2E**	**6**	**2.9L**		**¶97vi2571**
RYD	**VI**	**17 08 17 40.8**	**29.45N**	**31.22E**	**5**	**3.1D**		**¶97vi2575**
ISC	**VI**	**17 13 39 25**±1.0	**28.73N**±.044	**34.9E**±.13	**3**		**13**	**0-2**
RYD	VI	17 13 39 24.6	28.73N	34.78E	3	3.3D		**¶97vi2636**
JSO	VI	17 13 39 26.1	28.77N	34.82E	1	3.2L		
IPRG	VI	17 13 39 34.6±.65	29.2N	34.8E	5±6.3	2.5L		
JSO	**VI**	**20 09 22 26.0**	**28.98N**	**34.83E**	**5**	**2.8L**		**¶97vi3037**
ISC	**VI**	**20 11 54 19**±3.2	**28.7N**±.18	**34.9E**±.15	**2**		**15**	**0-3**
RYD	VI	20 11 54 15.3	28.56N	34.62E	2	3.2D		**¶97vi3051**
JSO	VI	20 11 54 17.4	28.63N	34.82E	2	3.5L		
IPRG	VI	20 11 54 19.5±.80	28.7N	34.7E	5	3.2L		
JSO	**VI**	**20 12 37 49.7**	**28.66N**	**34.88E**	**8**	**2.8L**		**¶97vi3056**
ISC	**VI**	**20 12 42 22**±2.5	**28.8N**±.14	**34.7E**±.12	**5**		**16**	**0-2**
IPRG	VI	20 12 42 24.4±.83	28.9N	34.7E	5±4.2	2.5L		**¶97vi3058**
JSO	VI	20 12 42 26.1	28.97N	34.82E	5	3.0L		
ISC	**VI**	**20 18 05 32**±16	**29.2N**±.62	**34.8E**±.81	**1**		**5**	**1-1**
JSO	VI	20 18 05 35.0	29.27N	34.88E	1	2.7L		**¶97vi3093**
JSO	**VI**	**21 01 07 40.2**	**28.96N**	**34.84E**	**5**	**3.0L**		**¶97vi3131**
JSO	**VI**	**21 07 10 40.3**	**28.96N**	**34.85E**	**5**	**2.7L**		**¶97vi3173**
IPRG	**VI**	**21 14 46 45.5**±.55	**29.8N**	**32.1E**	**3**	**2.9L**		**¶97vi3236**
RYD	VI	21 14 46 39.1	30.36N	31.52E	35	3.1D		
ISC	**VI**	**21 20 40 18**±11	**29.2N**±.55	**34.8E**±.59	**9**		**6**	**1-1**
JSO	VI	21 20 40 20.4	29.25N	34.84E	9	2.7L		**¶97vi3277**
JSO	**VI**	**22 02 49 47.4**	**28.93N**	**34.83E**	**5**	**2.7L**		**¶97vi3315**
JSO	**VI**	**22 15 41 57.9**	**28.92N**	**34.82E**	**5**	**2.8L**		**¶97vi3408**
IPRG	**VI**	**23 01 24 49.5**±.66	**29.8N**	**32.1E**	**5**	**2.7L**		**¶97vi3469**
RYD	**VI**	**23 08 39 06.4**	**29.7N**	**31.3E**	**26**	**3.1D**		**¶97vi3500**
IPRG	**VI**	**23 18 39 07.6**±.41	**29.7N**	**32.2E**	**18**	**2.9L**		**¶97vi3576**
JSO	**VI**	**24 05 27 54.7**	**29.21N**	**34.88E**	**1**	**2.6L**		**¶97vi3648**
JSO	**VI**	**24 09 03 26.5**	**28.43N**	**34.66E**	**1**	**3.3L**		**¶97vi3680**
JSO	**VI**	**24 15 49 58.8**	**28.96N**	**34.79E**	**5**	**3.0L**		**¶97vi3743**
JSO	**VI**	**24 20 24 47.3**	**28.96N**	**34.86E**	**5**	**3.0L**		**¶97vi3779**
JSO	**VI**	**28 16 41 16.5**	**28.99N**	**34.83E**	**5**	**2.8L**		**¶97vi4505**
JSO	**VI**	**30 16 12 06.0**	**29.21N**	**34.88E**	**5**	**2.7L**		**¶97vi4788**
JSO	**VI**	**30 23 35 00.4**	**29.26N**	**34.82E**	**4**	**2.7L**		**¶97vi4843**

(554) Red Sea.

ISC	**I**	**18 22 40 36.9**±.95	**19.5N**±.14	**39.1E**±.13	**10**	**3.9b**	**17**	**2-96**
NEIC	I	18 22 40 36.7	19.50N	39.08E	10			**¶97i2725**
EIDC	I	18 22 40 37.7	19.5N	39.0E	0	3.8b		
RYD	I	18 22 40 39.3	19.92N	38.75E	0	3.9D		
NEIC	Less reliable solution.							
ISC	**I**	**18 23 40 50.4**±.59	**19.6N**±.14	**38.7E**±.11	**10**	**4.0b**	**20**	**2-96**
NEIC	I	18 23 40 49.7	19.54N	38.89E	10			**¶97i2739**
RYD	I	18 23 40 49.7	20.12N	38.37E	43	3.6D		
EIDC	I	18 23 40 50.1	19.3N	38.9E	0	3.8b		
NEIC	Less reliable solution.							
RYD	**II**	**03 19 53 13.5**	**27.91N**	**34.0E**	**24**	**2.9D**		**¶97ii0419**
RYD	**II**	**08 19 36 39.5**	**27.5N**	**34.93E**	**20**	**2.7D**		**¶97ii1191**
RYD	**II**	**09 18 29 34.0**	**17.38N**	**40.22E**	**33**	**2.7D**		**¶97ii1341**
RYD	**II**	**09 19 34 44.2**	**17.35N**	**40.67E**	**35**	**2.6D**		**¶97ii1357**
RYD	**III**	**08 06 00 05.5**	**27.7N**	**34.2E**	**1**	**5.5D**		**¶97iii1679**
ISC	**III**	**08 15 21 00.8**±.32	**27.49N**±.034	**34.24E**±.048	**1**	**4.5b**	**109**	**1-88**
BJI	III	08 15 21 01.1	27.31N	33.93E	23	4.9b		**¶97iii1778**
NEIC	III	08 15 21 02.3	27.54N	34.19E	10	4.8b		
EIDC	III	08 15 21 02.7	27.6N	34.1E	0	4.4b,4.3L		
MOS	III	08 15 21 04.6	27.6N	34.8E	10	5.1b		
RYD	III	08 15 21 09.9	27.85N	34.32E	1	4.8D		
RYD	**III**	**08 18 56 05.4**	**27.4N**	**34.2E**	**23**	**3.0D**		**¶97iii1815**
ISC	**III**	**09 05 30 04**±10	**27.4N**±.59	**34.2E**±.58	**1**		**5**	**1-2**
RYD	III	09 05 30 11.1	27.66N	34.42E	1	3.3D		**¶97iii1909**
RYD	**III**	**09 12 18 21.3**	**26.99N**	**35.5E**	**10**	**3.2D**		**¶97iii1957**
ISC	**III**	**11 07 29 01**±8.1	**27.6N**±.49	**34.3E**±.45	**10**		**9**	**1-3**
RYD	III	11 07 29 03.0	27.67N	34.3E	10	3.0D		**¶97iii2334**
RYD	**III**	**13 18 32 34.3**	**27.66N**	**34.43E**	**11**	**3.0D**		**¶97iii2749**
ISC	**III**	**16 18 30 51**±10	**27.4N**±.58	**34.4E**±.59	**12**		**5**	**1-2**
RYD	III	16 18 30 51.6	27.4N	34.5E	12	3.1D		**¶97iii3253**
RYD	**III**	**17 13 57 00.4**	**26.9N**	**34.8E**	**12**	**3.3D**		**¶97iii3385**
RYD	**IV**	**01 19 55 09.5**	**27.5N**	**34.4E**	**13**	**3.2D**		**¶97iv0132**
RYD	**IV**	**16 21 47 49.7**	**27.12N**	**34.43E**	**19**	**3.2D**		**¶97iv2811**
RYD	**IV**	**25 01 14 03.5**	**27.95N**	**34.41E**	**12**	**3.3D**		**¶97iv4249**
RYD	**V**	**03 13 37 29.8**	**26.1N**	**34.3E**	**35**	**2.9D**		**¶97v0444**
RYD	**V**	**04 05 23 13.6**	**27.5N**	**34.2E**	**35**	**2.6D**		**¶97v0569**
ISC	**V**	**06 07 03 49**±11	**27.7N**±.63	**34.3E**±.54	**15**		**8**	**1-2**
RYD	V	06 07 03 50.8	28.8N	34.4E	15	3.3D		**¶97v0923**
ISC	**V**	**11 02 49 50**±7.7	**27.9N**±.51	**34.2E**±.26	**10**		**18**	**1-4**
RYD	V	11 02 49 12.3	25.9N	31.4E	13	3.4D		**¶97v1708**
IPRG	V	11 02 49 53.7±.70	28.1N	34.9E	10	3.4L		
JSO	V	11 02 50 00.8	28.47N	34.48E	5	3.6L		
RYD	**V**	**11 21 22 17.8**	**27.7N**	**34.0E**	**10**	**2.7D**		**¶97v1846**
IPRG	**V**	**22 04 02 13.0**±1.10	**27.5N**	**34.1E**	**19**	2.3L		**¶97v3699**
ISC	**VI**	**12 02 42 11**±12	**27.7N**±.63	**34.6E**±.72	**8**		**6**	**1-2**
RYD	VI	12 02 42 13.2	27.84N	34.57E	8	3.1D		**¶97vi1791**

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
IPRG	**VI**	**25 09 08 18.1±.66**	**27.8N**	**34.9E**	**6**	**3.7L**		**¶97vi3877**
RYD	VI	25 09 08 33.9	28.49N	34.75E	10	3.6D		
JSO	VI	25 09 08 35.8	28.60N	34.78E	4	3.5L		

(555) Western Arabian Peninsula.

DHMR	**I**	**01 06 59 04.0**	**12.0N**	**43.3E**	**41**	**5.0L**		**¶97i0035**
RYD	**I**	**02 09 36 57.2**	**18.93N**	**44.68E**	**35**	**2.0D**		**¶97i0182**
DHMR	**I**	**04 00 26 17.2**	**12.1N**	**44.0E**	**14**	**2.6L**		**¶97i0452**
DHMR	**I**	**04 01 50 55.9**	**12.1N**	**44.0E**	**26**	**2.4L**		**¶97i0458**
DHMR	**I**	**04 03 28 40.5**	**12.1N**	**44.0E**	**49**	**2.4L**		**¶97i0470**
DHMR	**I**	**05 22 49 04.7**	**12.6N**	**43.0E**	**42**	**2.5L**		**¶97i0716**
DHMR	**I**	**09 03 30 59.9**	**12.0N**	**43.4E**	**48**	**2.4L**		**¶97i1160**
DHMR	**I**	**18 18 10 41.3**	**12.2N**	**43.6E**	**42**	**2.7L**		**¶97i2696**
ISC	**I**	**20 21 17 41±1.5**	**14.08N±.088**	**44.2E±.11**	**4±20**		**5**	**0-2**
DHMR	I	20 21 17 41.5	14.1N	44.2E	8	2.4L		**¶97i3083**
ISC		Poorly determined						
ISC	**I**	**27 21 11 53±13**	**29.1N±.65**	**35.1E±.50**	**5**		**6**	**1-1**
JSO	I	27 21 11 50.2	29.01N	34.84E	5	2.7L		**¶97i4126**
RYD	**I**	**29 11 15 49.5**	**29.97N**	**36.34E**	**4**	**3.5D**		**¶97i4340**
RYD	**I**	**31 12 47 59.5**	**29.89N**	**37.25E**	**32**	**3.4D**		**¶97i4629**
RYD	**II**	**01 13 24 33.4**	**29.99N**	**36.98E**	**35**	**3.0D**		**¶97ii0074**
RYD	**II**	**03 08 32 37.4**	**29.91N**	**37.02E**	**27**	**3.0D**		**¶97ii0345**
RYD	**II**	**05 09 03 17.6**	**28.59N**	**35.22E**	**20**	**2.9D**		**¶97ii0666**
RYD	**II**	**14 18 42 22.4**	**16.86N**	**43.54E**	**2**	**3.3D**		**¶97ii2100**
ISC	**II**	**16 20 32 46±3.4**	**29.3N±.22**	**35.1E±.15**	**5**		**9**	**0-2**
RYD	II	16 20 32 44.9	29.34N	34.78E	5	3.4D		**¶97ii2419**
IPRG	II	16 20 32 48.5±1.37	29.4N	34.8E	5±5.1	2.6L		
DHMR	**II**	**17 04 10 16.7**	**13.9N**	**44.7E**	**15**	**1.8L**		**¶97ii2450**
RYD	**II**	**18 10 18 26.1**	**29.74N**	**36.1E**	**3**	**3.1D**		**¶97ii2630**
DHMR	**II**	**18 13 26 29.5**	**14.1N**	**43.9E**	**17**	**2.2L**		**¶97ii2647**
DHMR	**II**	**20 06 18 53.3**	**13.9N**	**43.6E**	**14**	**1.5L**		**¶97ii2888**
ISC	**II**	**27 15 29 10±2.9**	**29.96N±.074**	**35.1E±.30**	**19±25**		**9**	**0-2**
JSO	II	27 15 29 10.8	30.00N	35.14E	10	2.6L		**¶97ii3979**
ISC	**II**	**27 21 29 22±8.8**	**12.6N±.58**	**43.9E±.32**	**9**		**5**	**1-3**
DHMR	II	27 21 29 13.3	12.1N	43.8E	9	3.0L		**¶97ii4015**
RYD	**III**	**01 12 21 29.7**	**29.17N**	**35.54E**	**2**	**3.1D**		**¶97iii0106**
ISC	**III**	**02 08 01 36±1.7**	**29.7N±.17**	**35.4E±.12**	**9**		**4**	**0-0**
JSO	III	02 08 01 36.1	29.77N	35.34E	9	2.1L		**¶97iii0261**
ISC		Poorly determined						
RYD	**III**	**02 09 39 11.4**	**29.79N**	**36.11E**	**0**	**3.0D**		**¶97iii0273**
DHMR	**III**	**06 05 14 05.2**	**12.0N**	**43.2E**	**26**	**3.9L**		**¶97iii1202**
RYD	**III**	**06 12 42 06.1**	**29.3N**	**35.6E**	**10**	**3.0D**		**¶97iii1268**
RYD	**III**	**06 13 55 08.0**	**29.2N**	**35.6E**	**0**	**3.0D**		**¶97iii1285**
ISC	**III**	**07 20 38 03±16**	**29.4N±.61**	**35.2E±.78**	**7**		**5**	**0-1**
JSO	III	07 20 37 58.6	29.22N	34.89E	7	2.8L		**¶97iii1601**
ISC	**III**	**08 09 09 16±11**	**12.3N±.41**	**43.8E±.69**	**4**		**6**	**1-2**
ARO	III	08 09 09 27.0	11.9N	43.4E	4±1.0	3.7L		**¶97iii1722**
DHMR	**III**	**08 11 54 09.2**	**12.0N**	**43.3E**	**30**	**4.0L**		**¶97iii1742**
DHMR	**III**	**08 12 20 08.4**	**12.1N**	**43.1E**	**30**	**3.3L**		**¶97iii1745**
DHMR	**III**	**08 14 07 18.6**	**12.1N**	**43.3E**	**44**	**3.3L**		**¶97iii1763**
DHMR	**III**	**08 14 15 20.1**	**12.1N**	**43.3E**	**39**	**3.3L**		**¶97iii1764**
DHMR	**III**	**08 15 21 50.9**	**12.0N**	**43.2E**	**20**	**3.2L**		**¶97iii1779**
DHMR	**III**	**08 15 47 33.6**	**12.2N**	**43.9E**	**44**	**3.5L**		**¶97iii1785**
DHMR	**III**	**08 17 16 15.1**	**12.1N**	**43.5E**	**44**	**3.4L**		**¶97iii1798**
DHMR	**III**	**08 18 24 36.9**	**12.0N**	**43.2E**	**42**	**3.7L**		**¶97iii1810**
DHMR	**III**	**08 18 41 38.5**	**12.0N**	**43.2E**	**31**	**3.4L**		**¶97iii1813**
DHMR	**III**	**08 20 01 34.8**	**12.1N**	**43.3E**	**35**	**3.1L**		**¶97iii1821**
DHMR	**III**	**08 20 07 53.8**	**12.0N**	**43.3E**	**44**	**3.4L**		**¶97iii1822**
DHMR	**III**	**08 20 22 36.7**	**12.2N**	**43.2E**	**41**	**3.2L**		**¶97iii1824**
DHMR	**III**	**08 20 34 19.7**	**12.1N**	**43.4E**	**45**	**3.4L**		**¶97iii1826**
DHMR	**III**	**08 21 15 31.7**	**12.1N**	**43.3E**	**31**	**3.6L**		**¶97iii1833**
DHMR	**III**	**08 22 00 49.2**	**12.3N**	**43.4E**	**14**	**3.8L**		**¶97iii1842**
DHMR	**III**	**08 22 25 26.6**	**12.1N**	**43.3E**	**42**	**3.2L**		**¶97iii1849**
ISC	**III**	**08 23 13 33.9±.82**	**12.05N±.094**	**43.4E±.11**	**2**		**11**	**1-4**
DHMR	III	08 23 13 35.8	12.0N	43.4E	141	4.1L		**¶97iii1859**
ARO	III	08 23 13 38.3	11.9N	43.3E	2±1.0	4.0L		
DHMR	**III**	**08 23 43 38.7**	**12.0N**	**43.5E**	**5**	**5.3L**		**¶97iii1865**
ISC	**III**	**09 02 02 01±1.4**	**12.00N±.092**	**43.37E±.099**	**5±11**	**4.1b**	**24**	**0-128**
DHMR	III	09 02 01 59.3	12.0N	43.3E	18	5.0L		**¶97iii1883**
NEIC	III	09 02 02 01.6	11.96N	43.41E	10	4.2b		
EIDC	III	09 02 02 01.8	11.8N	43.4E	0	4.0b		
ARO	III	09 02 02 03.6	11.9N	43.3E	1±1.5	4.6L		
NEIC		Less reliable solution.						
ISC	**III**	**09 19 54 13.1±.91**	**12.0N±.11**	**43.3E±.11**	**6**		**8**	**0-3**
ARO	III	09 19 54 17.4	11.9N	43.3E	6±.4	4.0L		**¶97iii2073**
DHMR	**III**	**09 22 15 39.0**	**12.2N**	**43.2E**	**30**	**3.8L**		**¶97iii2099**
DHMR	**III**	**09 22 34 36.4**	**12.1N**	**43.3E**	**27**	**4.0L**		**¶97iii2102**
ISC	**III**	**09 23 02 21±7.4**	**12.3N±.45**	**43.5E±.38**	**11**		**4**	**1-3**
DHMR	III	09 23 02 17.6	12.2N	43.3E	11	3.7L		**¶97iii2105**
ISC		Poorly determined						
ISC	**III**	**09 23 31 03±7.9**	**12.3N±.49**	**43.8E±.39**	**15**		**4**	**1-3**
DHMR	III	09 23 30 59.8	12.1N	43.6E	15	3.2L		**¶97iii2110**
ISC		Poorly determined						
ISC	**III**	**09 23 37 23±7.7**	**12.3N±.47**	**43.6E±.38**	**15**		**4**	**1-3**
DHMR	III	09 23 37 19.8	12.1N	43.4E	15	3.5L		**¶97iii2113**
ISC		Poorly determined						
ISC	**III**	**09 23 50 21±15**	**12.3N±.98**	**43.7E±.74**	**22**		**4**	**1-3**
DHMR	III	09 23 50 16.6	12.1N	43.4E	22	3.5L		**¶97iii2115**
ISC		Poorly determined						
DHMR	**III**	**10 00 07 17.5**	**12.1N**	**43.5E**	**28**	**3.7L**		**¶97iii2117**
DHMR	**III**	**10 00 13 01.3**	**12.1N**	**43.5E**	**9**	**3.9L**		**¶97iii2118**
DHMR	**III**	**10 00 18 35.4**	**12.2N**	**43.0E**	**28**	**2.9L**		**¶97iii2119**
ISC	**III**	**10 00 26 26±1.3**	**12.1N±.18**	**43.1E±.16**	**21**	**4.2b**	**7**	**1-54**
DHMR	III	10 00 26 23.7	12.2N	43.0E	21	4.6L		**¶97iii2120**
EIDC	III	10 00 26 24.7	12.1N	43.2E	0	4.2b		
DHMR	**III**	**10 02 04 03.0**	**12.3N**	**43.2E**	**10**	**4.5L**		**¶97iii2128**
ISC	**III**	**10 11 09 47±5.8**	**29.6N±.18**	**35.1E±.36**	**0**		**5**	**0-1**
JSO	III	10 11 09 50.5	29.71N	35.29E	0	2.5L		**¶97iii2201**
DHMR	**III**	**10 16 48 55.3**	**12.1N**	**43.5E**	**45**	**2.9L**		**¶97iii2248**
DHMR	**III**	**10 22 57 46.7**	**12.4N**	**44.0E**	**13**	**2.3L**		**¶97iii2275**
DHMR	**III**	**10 23 53 01.1**	**12.1N**	**43.2E**	**39**	**2.7L**		**¶97iii2285**
DHMR	**III**	**11 03 35 21.6**	**12.2N**	**43.2E**	**27**	**2.8L**		**¶97iii2302**
DHMR	**III**	**11 03 44 45.1**	**12.0N**	**43.5E**	**45**	**3.5L**		**¶97iii2304**
DHMR	**III**	**11 06 07 05.3**	**12.1N**	**43.2E**	**28**	**2.3L**		**¶97iii2318**
DHMR	**III**	**11 07 29 47.2**	**12.1N**	**43.1E**	**41**	**3.2L**		**¶97iii2335**
DHMR	**III**	**11 09 26 04.4**	**12.1N**	**43.0E**	**34**	**2.4L**		**¶97iii2349**
ISC	**III**	**11 10 26 11±12**	**29.3N±.44**	**35.0E±.60**	**5**		**5**	**0-1**
JSO	III	11 10 26 08.5	29.21N	34.80E	5	2.6L		**¶97iii2358**
DHMR	**III**	**12 01 14 30.0**	**12.1N**	**43.2E**	**43**	**2.6L**		**¶97iii2464**
DHMR	**III**	**13 05 07 33.7**	**12.2N**	**44.3E**	**6**	**2.4L**		**¶97iii2649**
JSO	**III**	**14 06 29 51.7**	**29.62N**	**35.04E**	**20**	**2.3L**		**¶97iii2822**
JSO	**III**	**15 23 45 53.8**	**29.50N**	**35.33E**	**10**	**2.3L**		**¶97iii3132**
ISC	**III**	**16 06 21 55±3.9**	**28.8N±.21**	**35.2E±.17**	**5**		**6**	**0-1**
JSO	III	16 06 21 46.1	28.46N	34.63E	5	3.4L		**¶97iii3180**
RYD	III	16 06 21 48.3	28.5N	34.9E	1	3.4D		
RYD	**III**	**16 12 04 45.0**	**29.9N**	**36.5E**	**10**	**3.4D**		**¶97iii3215**
ISC	**III**	**16 12 09 45±12**	**29.7N±.67**	**36.0E±.44**	**1**		**5**	**1-2**
RYD	III	16 12 09 39.5	29.9N	36.28E	1	3.4D		**¶97iii3219**
ISC	**III**	**17 01 04 29±6.1**	**28.2N±.42**	**35.0E±.16**	**18**		**9**	**0-2**
RYD	III	17 01 04 30.9	28.3N	34.95E	18	3.2D		**¶97iii3296**
RYD	**III**	**18 11 53 22.2**	**29.8N**	**36.3E**	**15**	**3.3D**		**¶97iii3529**
RYD	**III**	**19 10 04 48.2**	**29.87N**	**36.26E**	**1**	**3.1D**		**¶97iii3681**
ISC	**III**	**21 07 49 09±20**	**29.2N±.89**	**35.2E±.78**	**1**		**4**	**0-1**
JSO	III	21 07 49 03.9	29.01N	34.88E	1	2.7L		**¶97iii4034**
ISC		Poorly determined						
RYD	**III**	**23 14 53 22.2**	**29.2N**	**35.3E**	**5**	**3.0D**		**¶97iii4451**
ISC	**III**	**28 18 31 05±8.4**	**29.1N±.50**	**35.0E±.27**	**5**		**7**	**1-2**
IPRG	III	28 18 31 04.1±1.44	29.0N	34.6E	5±3.9	2.3L		**¶97iii5468**
ISC	**III**	**31 01 37 29.0±.75**	**28.87N±.049**	**35.29E±.056**	**4±6.1**		**31**	**0-3**
RYD	III	31 01 37 29.6	28.87N	35.28E	14	3.9D		**¶97iii5828**
IPRG	III	31 01 37 30.8±.31	28.9N	35.3E	5±2.1	3.7L		
JSO	III	31 01 37 31.5	28.95N	35.29E	3	3.9L		
RYD	**IV**	**01 14 28 43.7**	**29.87N**	**36.22E**	**1**	**2.7D**		**¶97iv0084**
ISC	**IV**	**04 08 46 15±1.3**	**29.7N±.17**	**35.5E±.20**	**39**		**4**	**0-0**
RYD	IV	04 08 46 15.4	29.25N	35E	12	2.6D		**¶97iv0578**
JSO	IV	04 08 46 15.4	29.72N	35.41E	39	2.6L		
ISC		Poorly determined						
RYD	**IV**	**04 10 38 09.8**	**29.9N**	**36.4E**	**13**	**2.6D**		**¶97iv0598**
RYD	**IV**	**06 09 45 28.0**	**28.5N**	**38.7E**	**5**	**3.3D**		**¶97iv0975**
DHMR	**IV**	**08 06 08 36.3**	**15.2N**	**42.1E**	**22**	**3.1L**		**¶97iv1283**
ARO	IV	08 06 08 39.5	15.1N	42.0E	5±100.0	3.6L		
DHMR	**IV**	**09 18 37 44.3**	**12.0N**	**43.6E**	**31**	**3.1L**		**¶97iv1564**
RYD	**IV**	**11 07 14 48.5**	**29.9N**	**36.6E**	**7**	**2.8D**		**¶97iv1829**
DHMR	**IV**	**12 08 35 03.0**	**12.1N**	**44.9E**	**22**	**2.8L**		**¶97iv2036**
JSO	**IV**	**12 22 19 12.0**	**29.63N**	**35.02E**	**20**	**2.4L**		**¶97iv2142**
DHMR	**IV**	**12 22 57 42.7**	**12.1N**	**44.9E**	**18**	**4.0L**		**¶97iv2149**
DHMR	**IV**	**13 11 03 13.1**	**12.6N**	**44.8E**	**132**	**2.9L**		**¶97iv2226**
ISC	**IV**	**20 11 54 43±1.3**	**29.7N±.12**	**35.14E±.094**	**10**		**6**	**0-1**
JSO	IV	20 11 54 43.1	29.82N	35.06E	10	2.2L		**¶97iv3307**
ISC	**IV**	**21 04 20 19±2.5**	**29.7N±.43**	**35.0E±.23**	**14**		**4**	**0-1**
JSO	IV	21 04 20 18.9	29.82N	35.05E	14	2.3L		**¶97iv3402**
ISC		Poorly determined						
ISC	**IV**	**21 21 17 17±1.8**	**29.8N±.13**	**35.1E±.10**	**5**		**5**	**0-1**
JSO	IV	21 21 17 17.1	29.85N	35.10E	5	2.5L		**¶97iv3582**
ISC	**IV**	**21 21 34 23±3.8**	**29.7N±.42**	**35.0E±.32**	**18**		**4**	**0-1**
JSO	IV	21 21 34 22.6	29.70N	35.01E	18	2.4L		**¶97iv3587**
ISC		Poorly determined						
ISC	**IV**	**21 22 20 03±2.4**	**29.5N±.17**	**35.3E±.13**	**2**		**4**	**0-1**
JSO	IV	21 22 20 03.1	29.55N	35.24E	2	2.5L		**¶97iv3593**
ISC		Poorly determined						
JSO	**IV**	**23 09 03 12.9**	**29.85N**	**35.06E**	**13**	**2.4L**		**¶97iv3925**
JSO	**IV**	**23 11 29 47.8**	**29.82N**	**35.07E**	**10**	**2.2L**		**¶97iv3946**
JSO	**IV**	**23 11 35 31.3**	**29.83N**	**35.07E**	**10**	**1.5L**		**¶97iv3948**
ISC	**IV**	**26 00 49 03±18**	**29.3N±.76**	**35.2E±.81**	**5**		**5**	**0-1**
JSO	IV	26 00 49 00.6	29.24N	34.95E	5	2.4L		**¶97iv4440**
ISC	**IV**	**26 03 56 04±14**	**28.9N±.74**	**35.0E±.52**	**14**		**6**	**1-2**
RYD	IV	26 03 55 58.6	28.76N	34.71E	14	2.9D		**¶97iv4461**
JSO	IV	26 03 56 00.9	28.87N	34.80E	1	2.9L		
JSO	**IV**	**27 08 58 38.9**	**29.83N**	**35.06E**	**13**	**2.0L**		**¶97iv4691**
JSO	**IV**	**27 14 27 19.1**	**29.82N**	**35.05E**	**13**	**2.0L**		**¶97iv4746**
JSO	**IV**	**27 14 54 48.2**	**29.79N**	**35.03E**	**9**	**2.1L**		**¶97iv4752**
JSO	**IV**	**28 02 54 46.4**	**29.58N**	**35.82E**	**5**	**2.0L**		**¶97iv4833**
JSO	**V**	**03 05 07 32.0**	**29.52N**	**35.01E**	**18**	**2.2L**		**¶97v0382**
RYD	**V**	**05 07 33 20.7**	**29.97N**	**36.6E**	**35**	**2.5D**		**¶97v0755**
RYD	**V**	**05 09 11 05.0**	**29.96N**	**36.4E**	**34**	**2.8D**		**¶97v0764**
RYD	**V**	**05 09 46 14.8**	**29.95N**	**36.7E**	**34**	**2.5D**		**¶97v0768**
RYD	**V**	**06 10 20 13.0**	**29.9N**	**36.3E**	**32**	**3.0D**		**¶97v0946**
RYD	**V**	**07 07 44 55.7**	**28.9N**	**35.6E**	**10**	**2.9D**		**¶97v1064**
RYD	**V**	**08 07 33 32.3**	**27.4N**	**35.2E**	**12**	**2.8D**		**¶97v1202**
RYD	**V**	**09 09 08 07.1**	**29.9N**	**36.5E**	**35**	**2.9D**		**¶97v1399**
ISC	**V**	**11 06 59 43±2.7**	**13.9N±.14**	**43.4E±.19**	**5**		**6**	**1-2**
ARO	V	11 06 59 43.0	14.0N	43.3E	5±100.0	4.6L		**¶97v1739**
DHMR	V	11 06 59 43.1	14.0N	43.4E	17	3.9L		
ISC	**V**	**11 14 16 13±5.0**	**14.1N±.28**	**43.5E±.34**	**14**		**4**	**1-2**
DHMR	V	11 14 16 11.6	14.1N	43.4E	14	2.4L		**¶97v1789**
ISC		Poorly determined						
RYD	**V**	**12 10 17 35.4**	**28.5N**	**35.46E**	**10**	**3.0D**		**¶97v1938**
ISC	**V**	**12 23 46 05±4.7**	**14.1N±.26**	**43.5E±.33**	**13**		**4**	**1-2**
DHMR	V	12 23 46 04.9	14.1N	43.5E	13	2.3L		**¶97v2076**
ISC		Poorly determined						
JSO	**V**	**13 14 10 06.0**	**29.69N**	**35.26E**	**2**	**2.2L**		**¶97v2267**
DHMR	**V**	**14 03 09 32.8**	**14.0N**	**43.5E**	**19**	**3.2L**		**¶97v2376**
DHMR	**V**	**14 03 10 10.1**	**14.0N**	**43.5E**	**18**	**1.7L**		**¶97v2377**
ISC	**V**	**18 11 42 00±9.4**	**28.8N±.66**	**35.0E±.13**	**6**		**14**	**1-2**
IPRG	V	18 11 41 52.0±.78	28.1N	34.9E	6	4.0L,4.1b		**¶97v3072**
RYD	V	18 11 41 56.3	28.4N	34.6E	10	3.7D		
ISC	**V**	**18 21 28 51±5.3**	**28.2N±.36**	**35.1E±.18**	**0**		**14**	**1-3**
IPRG	V	18 21 28 54.3±.99	28.4N	34.4E	0	3.3L		**¶97v3148**
ISC	**V**	**22 11 39 11±11**	**29.0N±.51**	**35.0E±.47**	**2**		**6**	**1-1**
JSO	V	22 11 39 09.8	28.97N	34.87E	2	3.0L		**¶97v3767**
RYD	V	22 11 39 10.5	28.9N	34.7E	13	3.2D		
ISC	**V**	**23 09 01 06.6±.76**	**28.86N±.046**	**35.0E±.12**	**10±7.1**		**21**	**0-2**
JSO	V	23 09 01 04.9	28.80N	34.91E	4	3.4L		**¶97v3923**
IPRG	V	23 09 01 06.5±.52	28.8N	34.7E	5	3.4L		
RYD	V	23 09 01 06.5	28.8N	34.7E	10	3.5D		
JSO	**V**	**23 18 34 45.0**	**27.43N**	**35.11E**	**5**	**3.7L**		**¶97v3983**
ISC	**V**	**24 05 48 23.1±.59**	**29.28N±.038**	**35.22E±.055**	**3**		**24**	**0-2**
JSO	V	24 05 48 19.5	29.27N	34.86E	3	2.9L		**¶97v4061**
RYD	V	24 05 48 21.6	29.4N	34.6E	8	3.2D		
IPRG	V	24 05 48 25.4±.40	29.3N	34.9E	5±3.9	2.7L		
RYD	**V**	**25 08 48 22.7**	**29.9N**	**36.3E**	**15**	**2.9D**		**¶97v4246**
ISC	**V**	**30 19 22 18±1.3**	**29.50N±.072**	**35.1E±.13**	**11±13**		**8**	**0-1**
JSO	V	30 19 22 16.2	29.40N	34.96E	3	2.6L		**¶97v5084**
ISC	**VI**	**03 09 57 11±16**	**29.6N±.91**	**36.2E±.90**	**36**		**4**	**1-2**
RYD	VI	03 09 57 07.1	29.84N	36.43E	36	3.2D		**¶97vi0422**
ISC		Poorly determined						
ISC	**VI**	**04 04 38 17±1.1**	**28.03N±.095**	**35.3E±.16**	**5**		**26**	**1-4**
IPRG	VI	04 04 38 08.7±.54	27.3N	34.6E	5	4.2L,4.3b		**¶97vi0557**
RYD	VI	04 04 38 12.9	27.78N	34.25E	8	3.8D		

ISC	**VI**	**04 18 26 15**±3.4	**28.7N**±.14	**35.1E**±.36	**1**		**16**	**0-2**
JSO	VI	04 18 25 59.9	28.70N	34.82E	1	3.3L		**¶97vi0657**
RYD	VI	04 18 26 14.0	28.63N	34.68E	11	3.2D		
IPRG	VI	04 18 26 16.5±.87	28.8N	35.1E	0	3.0L		
RYD	**VI**	**07 16 03 04.8**	**29.66N**	**36.16E**	**30**	**3.2D**		**¶97vi1117**
RYD	**VI**	**08 04 53 55.3**	**27.7N**	**43.83E**	**5**	**3.1D**		**¶97vi1180**
RYD	**VI**	**08 08 52 56.0**	**29.84N**	**36.23E**	**1**	**3.0D**		**¶97vi1203**
RYD	**VI**	**11 09 29 58.9**	**29.93N**	**36.26E**	**1**	**3.1D**		**¶97vi1658**
ISC	**VI**	**17 09 32 27**±1.0	**29.98N**±.041	**35.50E**±.095	**0**		**14**	**1-2**
IPRG	VI	17 09 32 28.7±.29	30.0N	35.4E	0±2.4	2.3L		**¶97vi2591**
ISC	**VI**	**24 19 11 11**±13	**29.3N**±.58	**35.3E**±.50	**1**		**5**	**0-1**
JSO	VI	24 19 11 03.9	28.94N	34.88E	1	2.9L		**¶97vi3771**
DHMR	**VI**	**29 06 59 14.9**	**15.4N**	**42.2E**		**3.5L**		**¶97vi4580**

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ISC	**I**	**01 01 39 24**±6.2	**12.1N**±.12	**41.4E**±.48	**4**		**10**	**1-4**
ARO	I	01 01 39 28.5	12.1N	41.6E	4±5.1	3.5L		**¶97i0009**
DHMR	I	01 01 39 31.3	13.2N	41.3E	70	3.7L		
ISC	**I**	**03 21 01 29**±5.2	**11.96N**±.071	**41.61E**±.069	**8**±32	**4.5b,4.5s**	**51**	**9-77**
MOS	I	03 21 01 22.7	11.1N	41.3E	10	5.2b		**¶97i0427**
BJI	I	03 21 01 23.4	11.32N	41.12E	10	4.8b,5.1s		
NEIC	I	03 21 01 29.1	11.98N	41.61E	10	4.5b,3.8s		
EIDC	I	03 21 01 29.8	12.0N	41.6E	0	4.2b		
ARO	I	03 21 01 30.3	12.0N	41.5E	5±3.2	5.0L		
NEIC	Less reliable solution.							
ISC	**I**	**07 12 09 42**±5.4	**12.0N**±.22	**41.6E**±.59	**17**±51		**7**	**1-4**
ARO	I	07 12 09 42.2	12.0N	41.6E	5±6.1	3.7L		**¶97i0917**
DHMR	I	07 12 09 46.0	12.3N	42.0E	19	4.0L		
ISC	**I**	**26 06 58 26**±1.0	**12.05N**±.038	**41.78E**±.045	**25**±8.3	**4.6b,4.5s**	**117**	**1-127**
BJI	I	26 06 58 19.1	11.50N	41.53E	10	4.9b,5.1s		**¶97i3902**
DHMR	I	26 06 58 19.9	11.8N	41.5E	51	5.1L		
EIDC	I	26 06 58 22.5	12.1N	41.6E	0	4.6b		
NEIC	I	26 06 58 23.1	12.06N	41.79E	10	4.7b,4.3s		
ARO	I	26 06 58 24.4	12.0N	41.6E	5±6.1	5.2L		
MOS	I	26 06 58 25.7	12.6N	41.9E	10	5.5b		
NEIC	Less reliable solution.							
ARO	**I**	**26 09 36 25.9**	**12.1N**	**41.7E**	**5**±6.1	**3.8L**		**¶97i3916**
DHMR	**II**	**12 17 19 08.1**	**11.6N**	**41.9E**		**3.2L**		**¶97ii1798**
DHMR	**II**	**27 21 59 16.1**	**12.0N**	**43.8E**	**5**	**2.6L**		**¶97ii4031**
ISC	**III**	**06 04 59 21**±1.2	**11.90N**±.071	**43.46E**±.063	**7**±8.5	**4.4b,4.8s**	**46**	**1-69**
DHMR	III	06 04 59 18.9	11.8N	43.4E	18	4.7L		**¶97iii1198**
EIDC	III	06 04 59 22.0	11.7N	43.4E	0	4.7s,4.2b		
BJI	III	06 04 59 22.7	11.90N	43.40E	10	4.9b,5.0s		
NEIC	III	06 04 59 22.7	11.98N	43.38E	10	4.5b		
ARO	III	06 04 59 23.3	11.9N	43.4E	3±1.7	4.8L		
MOS	III	06 04 59 27.0	11.9N	43.3E	33	5.0b		
NEIC	Less reliable solution.							
ISC	**III**	**06 06 41 54**±1.1	**11.9N**±.12	**43.4E**±.11	**27**±12		**12**	**0-3**
DHMR	III	06 06 41 52.5	11.9N	43.4E	20	3.5L		**¶97iii1218**
ARO	III	06 06 41 55.0	11.9N	43.4E	1±1.0	4.1L		
RYD	III	06 06 44 12.0	10.4N	46.5E	0	3.8D		
DHMR	**III**	**06 07 35 14.2**	**12.0N**	**43.4E**	**43**	**3.4L**		**¶97iii1228**
DHMR	**III**	**06 08 55 27.5**	**12.0N**	**43.4E**	**47**	**3.5L**		**¶97iii1237**
ISC	**III**	**06 16 30 26.4**±.79	**11.9N**±.11	**43.3E**±.11	**36**		**10**	**0-3**
DHMR	III	06 16 30 25.2	11.9N	43.4E	36	3.0L		**¶97iii1311**
ARO	III	06 16 30 27.8	11.9N	43.2E	0±1.0	3.5L		
ISC	**III**	**07 03 21 39**±1.1	**11.97N**±.096	**43.3E**±.13	**4**		**9**	**1-3**
ARO	III	07 03 21 41.0	11.9N	43.4E	4±.4	3.5L		**¶97iii1419**
ISC	**III**	**07 11 20 19**±1.2	**11.92N**±.099	**43.4E**±.12	**4**		**9**	**0-3**
ARO	III	07 11 20 21.7	11.8N	43.4E	4±.4	3.5L		**¶97iii1506**
DHMR	III	07 11 20 23.0	12.2N	43.5E	18	3.8L		
ISC	**III**	**07 23 39 19**±1.3	**11.9N**±.12	**43.4E**±.12	**23**±21		**10**	**0-3**
DHMR	III	07 23 39 13.6	11.7N	43.3E	12	3.8L		**¶97iii1625**
ARO	III	07 23 39 21.5	11.9N	43.3E	5±.9	4.2L		
ISC	**III**	**08 02 33 43**±11	**11.9N**±.41	**43.3E**±.46	**3**		**6**	**0-1**
ARO	III	08 02 33 44.8	11.9N	43.4E	3±2.2	3.2L		**¶97iii1649**
DHMR	**III**	**08 07 06 18.2**	**11.9N**	**43.3E**	**64**	**3.4L**		**¶97iii1691**
ISC	**III**	**08 07 34 26.2**±.87	**11.97N**±.087	**43.4E**±.10	**3**		**11**	**0-4**
ARO	III	08 07 34 28.6	11.9N	43.4E	3±.5	4.0L		**¶97iii1697**
DHMR	III	08 07 34 28.6	12.1N	43.4E	27	3.7L		
ISC	**III**	**08 08 34 22**±12	**11.9N**±.55	**43.4E**±.65	**26**±18		**6**	**0-1**
ARO	III	08 08 34 22.6	11.9N	43.4E	3±1.0	4.0L		**¶97iii1713**
ISC	**III**	**08 08 57 28.1**±.72	**11.89N**±.088	**43.45E**±.083	**9**	**4.0b**,4.7s	**21**	**1-69**
EIDC	III	08 08 57 25.1	11.0N	44.0E	0	4.0b,4.4s		**¶97iii1718**
DHMR	III	08 08 57 27.0	11.9N	43.5E	9	4.2L		
ARO	III	08 08 57 29.7	11.9N	43.3E	2±.7	4.6L		
ISC	**III**	**08 09 03 37**±1.3	**11.9N**±.12	**43.5E**±.13	**21**±22		**11**	**1-4**
DHMR	III	08 09 03 34.9	11.8N	43.4E	32	3.6L		**¶97iii1720**
ARO	III	08 09 03 39.5	11.9N	43.4E	2±1.4	3.8L		
ISC	**III**	**08 09 42 25**±1.3	**11.9N**±.11	**43.4E**±.14	**26**±13		**12**	**0-4**
DHMR	III	08 09 42 24.2	12.0N	43.5E	29	4.1L		**¶97iii1725**
ARO	III	08 09 42 26.0	11.9N	43.4E	3±.8	3.6L		
ISC	**III**	**08 11 23 49.8**±.78	**11.91N**±.094	**43.44E**±.096	**12**		**11**	**1-4**
DHMR	III	08 11 23 45.6	11.8N	43.3E	12	3.5L		**¶97iii1737**
ARO	III	08 11 23 50.8	11.9N	43.4E	0±.2	3.7L		
ISC	**III**	**08 12 36 00.5**±.76	**11.9N**±.10	**43.4E**±.10	**41**		**13**	**0-4**
DHMR	III	08 12 35 59.6	11.9N	43.4E	41	4.0L		**¶97iii1747**
ARO	III	08 12 36 01.2	11.9N	43.4E	3±.8	3.5L		
DHMR	**III**	**08 13 09 20.5**	**11.9N**	**43.9E**	**93**	**3.2L**		**¶97iii1754**
ISC	**III**	**08 13 57 37**±1.4	**11.9N**±.12	**43.4E**±.14	**21**±22		**10**	**0-3**
DHMR	III	08 13 57 36.7	12.1N	43.2E	41	3.4L		**¶97iii1761**
ARO	III	08 13 57 39.0	11.8N	43.3E	1±2.1	3.5L		
ISC	**III**	**08 15 25 52**±2.0	**11.9N**±.15	**43.4E**±.19	**23**±23		**12**	**0-4**
DHMR	III	08 15 25 51.9	12.0N	43.5E	17	3.9L		**¶97iii1782**
ARO	III	08 15 25 52.9	11.9N	43.4E	5±.4	3.5L		
DHMR	**III**	**08 17 35 08.8**	**12.0N**	**43.5E**	**49**	**3.4L**		**¶97iii1801**
DHMR	**III**	**08 18 05 25.5**	**11.9N**	**43.5E**	**36**	**3.6L**		**¶97iii1806**
DHMR	**III**	**08 19 05 58.3**	**12.0N**	**43.3E**	**14**	**3.5L**		**¶97iii1818**
DHMR	**III**	**08 19 39 48.3**	**12.0N**	**43.3E**	**18**	**3.6L**		**¶97iii1820**
DHMR	**III**	**08 20 48 58.5**	**11.4N**	**43.3E**	**28**	**2.9L**		**¶97iii1829**
DHMR	**III**	**08 21 01 05.5**	**11.9N**	**43.4E**	**30**	**4.2L**		**¶97iii1831**
DHMR	**III**	**08 21 34 35.3**	**11.9N**	**43.6E**	**98**	**2.4L**		**¶97iii1839**
ISC	**III**	**08 21 50 42.5**±.79	**11.90N**±.090	**43.44E**±.091	**3**		**12**	**0-4**
DHMR	III	08 21 50 45.1	12.0N	43.5E	33	4.2L		**¶97iii1840**
ARO	III	08 21 50 45.5	11.9N	43.3E	3±1.7	4.1L		
ISC	**III**	**08 21 53 56**±1.3	**11.8N**±.14	**43.5E**±.13	**31**		**11**	**1-4**
DHMR	III	08 21 53 57.0	11.9N	43.6E	31	4.2L		**¶97iii1841**
ARO	III	08 21 53 58.2	11.9N	43.3E	1±12.7	4.1L		
DHMR	**III**	**08 22 18 52.9**	**12.0N**	**43.4E**	**48**	**3.2L**		**¶97iii1846**
ISC	**III**	**08 22 35 37.1**±.87	**11.9N**±.11	**43.3E**±.12	**40**		**11**	**0-4**
DHMR	III	08 22 35 36.7	12.0N	43.3E	40	4.0L		**¶97iii1851**
ARO	III	08 22 35 37.7	11.9N	43.3E	1±.9	4.1L		
ISC	**III**	**08 23 01 32**±1.0	**11.9N**±.13	**43.4E**±.13	**28**±13		**10**	**0-4**
DHMR	III	08 23 01 33.1	12.1N	43.5E	49	4.5L		**¶97iii1854**
ARO	III	08 23 01 33.4	11.8N	43.3E	2±1.4	3.5L		
DHMR	**III**	**08 23 05 03.8**	**11.9N**	**43.5E**	**48**	**3.8L**		**¶97iii1856**
ISC	**III**	**08 23 10 54**±7.9	**11.8N**±.40	**43.3E**±.43	**27**±16		**7**	**0-1**
ARO	III	08 23 10 53.6	11.9N	43.3E	1±1.0	4.1L		**¶97iii1857**
ISC	**III**	**08 23 14 40**±3.6	**11.7N**±.18	**43.2E**±.18	**1**		**5**	**0-1**
ARO	III	08 23 14 37.0	11.9N	43.3E	1±2.4	4.4L		**¶97iii1860**
ISC	**III**	**08 23 29 11.8**±.49	**11.84N**±.059	**43.30E**±.045	**83**±5.7	**4.8b**	**135**	**0-128**
MOS	III	08 23 28 58.3	11.1N	43.2E	10	5.3b,5.2s		**¶97iii1861**
BJI	III	08 23 29 02.2	11.46N	43.12E	26	5.0b,5.2s		
DHMR	III	08 23 29 02.3	12.0N	43.6E	5	4.5L		
NEIC	III	08 23 29 02.7	11.75N	43.26E	10	5.1b,4.9s		
EIDC	III	08 23 29 04.0	11.8N	43.3E	0	4.6b,5.0s		
HRVD	III	08 23 29 09.0±1.5	11.90N±.13	43.64E±.23	15			
ARO	III	08 23 29 14.6	11.9N	43.4E	2±1.0	4.7L		
NEIC	Mw5.4(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s11,c14; Half duration: 1$2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.76±.26; $M_{\theta\theta}$1.04±.18; $M_{\phi\phi}$−0.27±.42; $M_{r\theta}$0.08±.69; $M_{r\phi}$−0.69±.79; $M_{\theta\phi}$−0.48±.17. Principal Axes: T 1.24,Plg10°,Azm22°; N 0.03, Plg36°,Azm119°; P −1.27,Plg53°,Azm279°. Best double couple: $M_0$1.3×10^{17}Nm, NP1: ϕ_S77°,δ47°,λ−143°. NP2:ϕ_S320°,δ64°,λ−50°.							
ISC	**III**	**08 23 32 06**±2.8	**11.7N**±.13	**43.1E**±.14	**3**		**6**	**0-1**
ARO	III	08 23 32 03.2	11.9N	43.3E	3±1.4	4.1L		**¶97iii1862**
DHMR	**III**	**08 23 53 44.2**	**12.0N**	**43.8E**	**11**	**3.7L**		**¶97iii1867**
ISC	**III**	**09 00 24 03.4**±.93	**12.0N**±.12	**43.5E**±.13	**3**		**11**	**1-6**
DHMR	III	09 00 23 54.0	11.2N	43.2E	40	4.6L		**¶97iii1870**
ARO	III	09 00 24 08.1	11.8N	43.3E	3±2.1	4.6L		
ISC	**III**	**09 01 32 10**±1.3	**11.95N**±.081	**43.34E**±.070	**4**±9.2	**4.4b,4.6s**	**25**	**0-128**
DHMR	III	09 01 32 09.9	12.0N	43.6E	15	3.2L		**¶97iii1877**
EIDC	III	09 01 32 10.9	11.3N	43.4E	0	4.6s,4.2b		
ARO	III	09 01 32 11.0	11.9N	43.3E	2±2.1	4.5L		
NEIC	III	09 01 32 11.5	11.82N	43.36E	10	4.2b		
NEIC	Less reliable solution.							
ARO	**III**	**09 01 34 51.4**	**11.9N**	**43.3E**	**1**±1.2	**3.9L**		**¶97iii1878**
ISC	**III**	**09 01 52 58.7**±.94	**11.88N**±.083	**43.3E**±.11	**13**		**9**	**0-4**
DHMR	III	09 01 52 58.7	12.2N	43.0E	13	4.7L		**¶97iii1881**
ARO	III	09 01 52 59.1	11.9N	43.3E	2±1.3	3.9L		
ISC	**III**	**09 02 04 25**±9.2	**11.8N**±.45	**43.3E**±.46	**24**±20		**6**	**0-1**
ARO	III	09 02 04 26.0	11.9N	43.3E	3±.7	3.5L		**¶97iii1884**
ISC	**III**	**09 02 09 07**±1.2	**11.75N**±.087	**43.16E**±.089	**13**±11		**9**	**0-4**
ARO	III	09 02 09 04.5	11.9N	43.3E	4±.7	4.4L		**¶97iii1887**
DHMR	III	09 02 09 05.8	12.4N	42.5E		3.9L		
ISC	**III**	**09 02 12 41**±11	**11.9N**±.55	**43.3E**±.52	**24**±20		**6**	**0-1**
ARO	III	09 02 12 40.5	11.9N	43.4E	3±.8	3.8L		**¶97iii1888**
ISC	**III**	**09 03 37 31**±1.3	**11.88N**±.098	**43.3E**±.11	**25**±11	**4.0b,4.6s**	**25**	**0-128**
EIDC	III	09 03 37 29.3	11.8N	43.2E	0	4.0b,4.6s		**¶97iii1898**
BJI	III	09 03 37 29.7	11.65N	43.75E	0	4.8b		
NEIC	III	09 03 37 29.7	12.04N	43.42E	10	4.1b		
ARO	III	09 03 37 31.1	11.9N	43.4E	5±5.0	4.8L		
NEIC	Less reliable solution.							
ISC	**III**	**09 04 48 21**±8.8	**11.9N**±.43	**43.3E**±.49	**28**±17		**6**	**0-1**
ARO	III	09 04 48 21.4	11.9N	43.3E	4±.9	3.6L		**¶97iii1905**
ISC	**III**	**09 05 39 34**±8.4	**11.9N**±.43	**43.3E**±.45	**28**±20		**6**	**0-1**
ARO	III	09 05 39 34.5	11.9N	43.3E	4±.5	3.5L		**¶97iii1911**
ISC	**III**	**09 06 16 59**±1.2	**11.9N**±.11	**43.3E**±.14	**25**±19		**9**	**0-4**
DHMR	III	09 06 16 59.1	12.4N	45.3E	14	4.1L		**¶97iii1920**
ARO	III	09 06 17 00.1	11.9N	43.3E	0±2.6	3.8L		
ISC	**III**	**09 13 34 11.4**±.28	**11.98N**±.042	**43.37E**±.049	**2**	**4.6b,4.9s**	**67**	**0-95**
DHMR	III	09 13 34 12.3	11.9N	43.6E	52	4.9L		**¶97iii1978**
MOS	III	09 13 34 12.5	11.6N	43.8E	10	5.2b		
NEIC	III	09 13 34 12.9	11.97N	43.40E	10	4.6b		
ARO	III	09 13 34 13.5	11.9N	43.3E	2±1.8	4.8L		
BJI	III	09 13 34 13.6	11.81N	43.89E	5	4.9b		
EIDC	III	09 13 34 14.3	11.7N	43.4E	14	4.2b,4.9s		
NEIC	Less reliable solution.							
ARO	**III**	**09 13 35 35.3**	**11.8N**	**43.3E**	**1**±2.0	**4.0L**		**¶97iii1979**
DHMR	**III**	**09 14 19 35.8**	**11.9N**	**43.3E**	**51**	**2.7L**		**¶97iii1986**
ISC	**III**	**09 15 22 35**±9.1	**11.8N**±.44	**43.3E**±.47	**24**±20		**6**	**0-1**
ARO	III	09 15 22 35.7	11.9N	43.3E	3±1.8	4.4L		**¶97iii2007**
ISC	**III**	**09 16 43 09**±1.4	**11.9N**±.12	**43.3E**±.14	**24**±19		**8**	**0-3**
ARO	III	09 16 43 09.0	11.9N	43.3E	0±.5	3.7L		**¶97iii2022**
ISC	**III**	**09 17 26 02**±1.1	**11.9N**±.16	**43.4E**±.11	**10**	**4.0b**	**13**	**2-69**
NEIC	III	09 17 26 01.7	11.87N	43.36E	10	3.8b		**¶97iii2029**
EIDC	III	09 17 26 02.2	11.8N	43.4E	0	4.0b		
NEIC	Poor solution.							
ISC	**III**	**09 17 29 19**±10	**11.9N**±.51	**43.3E**±.48	**25**±19		**6**	**0-1**
ARO	III	09 17 29 19.5	11.9N	43.3E	1±1.3	3.5L		**¶97iii2030**
ISC	**III**	**09 17 31 38**±2.4	**11.0N**±.16	**43.4E**±.12	**28**±15	**3.7b**	**13**	**0-70**
NEIC	III	09 17 31 35.7	11.03N	43.53E	10	3.7b		**¶97iii2031**
EIDC	III	09 17 31 36.1	11.0N	43.4E	0	3.7b		
ARO	III	09 17 31 40.7	11.8N	43.3E	0±1.6	3.8L		
NEIC	Poor solution.							
ISC	**III**	**09 17 40 18.0**±.23	**11.71N**±.031	**43.51E**±.033	**3**	**4.7b,5.3s**	**161**	**0-128**
MOS	III	09 17 40 18.2	11.6N	43.4E	10	5.7b,5.5s		**¶97iii2032**
NEIC	III	09 17 40 18.3	11.70N	43.55E	10	4.8b,5.0s		
EIDC	III	09 17 40 18.3	11.8N	43.4E	0	4.5b,5.2s		
BJI	III	09 17 40 19.1	11.97N	43.37E	11	5.1b,5.6s		
ARO	III	09 17 40 19.6	11.9N	43.3E	3±2.0	5.0L		
HRVD	III	09 17 40 23.4±.3	12.04N±.02	43.75E±.04	15			
NEIC	Mw5.5(HRV)							
NEIC	Felt in Djibouti.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s26,c41; Half duration: 1$4. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.32±.07; $M_{\theta\theta}$2.74±.07; $M_{\phi\phi}$−1.42±.10; $M_{r\theta}$−0.54±.18; $M_{r\phi}$−0.10±.12; $M_{\theta\phi}$−0.31±.07. Principal Axes: T 2.83,Plg7°,Azm184°; N −1.28,Plg51°,Azm85°; P −1.56,Plg38°,Azm280°. Best double couple: $M_0$2.2×10^{17}Nm, NP1: ϕ_S315°,δ58°,λ−24°. NP2:ϕ_S58°,δ70°,λ−146°.							
ISC	**III**	**09 17 41 44.7**±.61	**11.55N**±.087	**43.62E**±.052	**10**	**4.7b**,5.0s	**72**	**0-129**
MOS	III	09 17 41 42.7	11.3N	43.7E	10	5.1b		**¶97iii2034**
BJI	III	09 17 41 45.0	11.70N	43.40E	10	5.0b,5.5s		
NEIC	III	09 17 41 45.0	11.69N	43.41E	10	4.7b		
EIDC	III	09 17 41 45.2	11.7N	43.5E	0	4.6b		
ARO	III	09 17 41 47.2	11.8N	43.3E	2±1.4	4.8L		
NEIC	Less reliable solution.							
NEIC	**III**	**09 17 53 17.4**	**11.93N**	**43.31E**	**10**			**0-69**
EIDC	III	09 17 53 22.9	11.8N	43.2E	31	3.6b		**¶97iii2037**
ARO	III	09 17 53 32.4	11.8N	43.3E	2±2.1	4.5L		
NEIC	Poor solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**09 18 01 10**±1.3	**11.3N**±.28	**43.5E**±.17	**10**	**4.4b**	**8**	**26-54**
NEIC	III	09 18 01 10.3	11.26N	43.49E	10	4.2b		¶97iii2038
EIDC	III	09 18 01 11.2	11.3N	43.4E	0	4.1b		
NEIC	Poor solution.							
ISC	**III**	**09 18 05 37**±10	**11.9N**±.52	**43.3E**±.50	**25**±20		**6**	**0-1**
ARO	III	09 18 05 38.6	11.9N	43.3E	4±.7	3.9L		¶97iii2040
ISC	**III**	**09 18 19 26**±9.3	**11.8N**±.46	**43.3E**±.47	**24**±20		**6**	**0-1**
ARO	III	09 18 19 26.5	11.8N	43.3E	6±.5	3.6L		¶97iii2043
ISC	**III**	**09 18 26 39**±8.5	**11.8N**±.44	**43.3E**±.42	**25**±19		**6**	**0-1**
ARO	III	09 18 26 39.1	11.9N	43.3E	3±2.7	3.7L		¶97iii2046
ISC	**III**	**09 18 53 29**±1.1	**12.0N**±.11	**43.31E**±.095	**4**		**8**	**0-3**
ARO	III	09 18 53 32.1	11.9N	43.3E	4±.9	3.5L		¶97iii2056
ISC	**III**	**09 19 04 10.5**±.93	**12.0N**±.10	**43.32E**±.099	**0**		**8**	**0-3**
ARO	III	09 19 04 13.9	11.8N	43.2E	1±.7	3.6L		¶97iii2065
ARO	**III**	**09 19 06 42.5**	**11.8N**	**43.3E**	**6**±3.3	**3.6L**		¶97iii2066
ISC	**III**	**09 19 09 31.1**±.30	**11.92N**±.039	**43.40E**±.042	**5**	**4.7b,4.8s**	**101**	**0-128**
NEIC	III	09 19 09 29.7	11.58N	43.31E	10	4.9b		¶97iii2068
EIDC	III	09 19 09 29.8	11.6N	43.2E	0	4.3b,4.7s		
BJI	III	09 19 09 30.7	11.26N	42.98E	36	4.7b		
MOS	III	09 19 09 31.2	11.9N	43.5E	10	5.0b		
ARO	III	09 19 09 34.5	11.8N	43.2E	5±.3	4.9L		
ISC	**III**	**09 19 20 06**±1.4	**11.8N**±.11	**43.2E**±.13	**23**±17		**8**	**0-3**
ARO	III	09 19 20 06.0	11.8N	43.3E	1±.7	3.8L		¶97iii2069
ISC	**III**	**09 19 58 17**±10	**11.9N**±.52	**43.3E**±.51	**25**±20		**6**	**0-1**
ARO	III	09 19 58 18.3	11.8N	43.3E	1±.9	3.5L		¶97iii2076
DHMR	**III**	**09 21 03 32.3**	**11.4N**	**43.6E**	**120**	**2.5L**		¶97iii2088
DHMR	**III**	**09 21 06 18.4**	**11.9N**	**43.4E**	**43**	**4.2L**		¶97iii2090
DHMR	**III**	**09 22 31 15.4**	**11.9N**	**43.2E**	**36**	**3.6L**		¶97iii2101
DHMR	**III**	**09 22 39 15.2**	**12.0N**	**43.4E**	**51**	**3.4L**		¶97iii2103
DHMR	**III**	**09 23 22 46.4**	**12.0N**	**43.2E**	**46**	**3.9L**		¶97iii2107
DHMR	**III**	**09 23 34 32.3**	**12.0N**	**43.6E**	**20**	**3.8L**		¶97iii2111
DHMR	**III**	**10 00 59 41.2**	**11.7N**	**43.8E**	**59**	**4.0L**		¶97iii2124
DHMR	**III**	**10 03 17 34.1**	**11.9N**	**43.5E**	**40**	**3.0L**		¶97iii2136
ISC	**III**	**10 03 53 39**±1.1	**11.8N**±.10	**43.3E**±.11	**23**±18		**9**	**0-4**
DHMR	III	10 03 53 38.4	12.0N	43.4E	4	3.2L		¶97iii2142
ARO	III	10 03 53 39.6	11.9N	43.3E	1±.9	3.7L		
ISC	**III**	**10 04 02 47.4**±.82	**11.95N**±.082	**43.30E**±.094	**5**		**9**	**0-4**
DHMR	III	10 04 02 49.7	12.2N	43.3E	17	3.9L		¶97iii2143
ARO	III	10 04 02 49.9	11.9N	43.3E	5±1.1	3.5L		
ISC	**III**	**10 04 04 02**±3.5	**11.7N**±.17	**43.2E**±.17	**5**		**6**	**0-1**
ARO	III	10 04 04 00.1	11.9N	43.3E	5±1.0	3.5L		¶97iii2144
DHMR	**III**	**10 04 30 04.3**	**11.9N**	**43.4E**	**20**	**3.4L**		¶97iii2146
ISC	**III**	**10 04 40 39**±1.2	**12.0N**±.11	**43.4E**±.12	**25**±21		**9**	**0-4**
DHMR	III	10 04 40 39.6	12.2N	43.4E	19	4.0L		¶97iii2147
ARO	III	10 04 40 42.1	11.8N	43.3E	4±.5	3.5L		
ISC	**III**	**10 06 58 00**±10	**11.9N**±.51	**43.3E**±.48	**24**±20		**6**	**0-1**
ARO	III	10 06 58 01.3	11.8N	43.3E	4±.7	3.5L		¶97iii2158
DHMR	III	10 06 59 04.0	11.8N	43.5E	49	3.0L		
ISC	**III**	**10 06 59 02.6**±.81	**11.90N**±.088	**43.39E**±.093	**4**		**10**	**0-4**
ARO	III	10 06 59 05.8	11.8N	43.3E	4±.4	3.7L		¶97iii2160
ISC	**III**	**10 07 33 35**±1.2	**11.84N**±.064	**43.37E**±.067	**11**±8.5	**4.2b**	**32**	**0-69**
NEIC	III	10 07 33 34.2	11.73N	43.29E	10	4.4b		¶97iii2167
EIDC	III	10 07 33 34.6	11.6N	43.3E	0	4.1b		
DHMR	III	10 07 33 35.0	11.9N	43.4E	43	4.8L		
ARO	III	10 07 33 36.0	11.9N	43.3E	1±.9	4.8L		
NEIC	Less reliable solution.							
DHMR	**III**	**10 07 47 08.0**	**11.9N**	**43.3E**	**36**	**3.4L**		¶97iii2169
ISC	**III**	**10 07 54 43**±1.0	**11.9N**±.11	**43.3E**±.11	**27**±17		**9**	**0-4**
DHMR	III	10 07 54 42.0	12.0N	43.1E	27	2.6L		¶97iii2170
ARO	III	10 07 54 44.3	11.8N	43.3E	3±1.8	3.5L		
DHMR	**III**	**10 08 00 08.9**	**12.0N**	**43.4E**	**28**	**2.1L**		¶97iii2171
ISC	**III**	**10 08 35 04**±1.2	**11.8N**±.12	**43.3E**±.12	**24**±19		**10**	**0-4**
DHMR	III	10 08 35 03.5	11.9N	43.3E	28	3.1L		¶97iii2175
ARO	III	10 08 35 05.7	11.8N	43.3E	4±.3	3.5L		
ISC	**III**	**10 08 44 40**±1.1	**11.8N**±.10	**43.3E**±.11	**24**±18		**9**	**0-4**
DHMR	III	10 08 44 37.8	11.9N	43.3E	13	4.7L		¶97iii2176
ARO	III	10 08 44 41.2	11.8N	43.3E	4±1.2	4.5L		
ISC	**III**	**10 08 50 10**±1.3	**11.87N**±.075	**43.37E**±.068	**12**±9.3	**4.2b,4.3s**	**31**	**0-69**
NEIC	III	10 08 50 09.1	11.88N	43.54E	10	4.3b		¶97iii2179
EIDC	III	10 08 50 09.1	11.5N	43.4E	0	4.0b,4.3s		
DHMR	III	10 08 50 11.0	11.9N	43.4E	41	4.7L		
BJI	III	10 08 50 11.5	11.42N	43.51E	28	4.8b		
ARO	III	10 08 50 12.8	11.8N	43.3E	4±.8	4.7L		
NEIC	Poor solution.							
ISC	**III**	**10 09 07 15.4**±.90	**12.0N**±.14	**43.5E**±.10	**5**		**8**	**1-3**
ARO	III	10 09 07 21.0	11.8N	43.3E	5±.5	3.9L		¶97iii2181
ISC	**III**	**10 09 14 04**±15	**11.8N**±.70	**43.2E**±.84	**13**±27		**8**	**0-1**
ARO	III	10 09 14 03.6	11.8N	43.3E	5±.8	3.5L		¶97iii2182
DHMR	**III**	**10 09 18 58.2**	**11.9N**	**43.4E**	**19**	**3.9L**		¶97iii2183
ISC	**III**	**10 09 40 37.9**±.72	**11.79N**±.084	**43.33E**±.080	**5**	**3.9b**,3.7s	**14**	**0-95**
ARO	III	10 09 40 38.4	11.8N	43.3E	5±.6	4.7L		¶97iii2187
EIDC	III	10 09 40 38.7	12.1N	43.5E	0	4.1s,4.0b		
NEIC	III	10 09 40 39.8	12.19N	43.60E	10	4.3b		
NEIC	Poor solution.							
ISC	**III**	**10 09 46 28**±1.7	**11.9N**±.13	**43.3E**±.16	**24**±20		**7**	**0-3**
ARO	III	10 09 46 29.9	11.8N	43.3E	5±.6	3.8L		¶97iii2188
ISC	**III**	**10 10 32 10**±2.4	**11.7N**±.14	**43.1E**±.13	**0**		**5**	**0-1**
ARO	III	10 10 32 07.0	11.8N	43.2E	1±.5	3.6L		¶97iii2194
ISC	**III**	**10 10 33 08**±1.7	**11.8N**±.10	**43.3E**±.11	**16**±12		**8**	**0-4**
ARO	III	10 10 33 09.1	11.8N	43.3E	2±2.4	3.9L		¶97iii2195
ISC	**III**	**10 10 44 24**±3.3	**11.7N**±.16	**43.1E**±.16	**5**		**6**	**0-1**
ARO	III	10 10 44 23.2	11.8N	43.2E	5±1.3	3.5L		¶97iii2197
DHMR	**III**	**10 14 54 39.6**	**11.8N**	**43.5E**	**22**	**3.3L**		¶97iii2235
DHMR	**III**	**10 17 20 05.6**	**11.9N**	**43.2E**	**21**	**3.2L**		¶97iii2251
ISC	**III**	**10 18 18 04.0**±.90	**11.86N**±.086	**43.33E**±.098	**9**		**9**	**0-4**
DHMR	III	10 18 18 02.0	11.8N	43.5E	9	2.5		¶97iii2256
ARO	III	10 18 18 05.2	11.9N	43.3E	3±1.5	3.5L		
ISC	**III**	**10 20 10 52.6**±.93	**11.93N**±.097	**43.4E**±.11	**19**		**10**	**0-4**
DHMR	III	10 20 10 49.4	11.9N	43.3E	19	4.1L		¶97iii2265
ARO	III	10 20 10 53.9	11.9N	43.4E	4±.3	3.8L		
DHMR	**III**	**10 20 57 21.2**	**11.9N**	**43.2E**	**60**	**2.1L**		¶97iii2268
ISC	**III**	**11 03 31 51**±1.3	**11.8N**±.13	**43.2E**±.13	**20**±34		**10**	**0-4**
ARO	III	11 03 31 52.1	11.8N	43.2E	4±1.2	3.5L		¶97iii2301
DHMR	III	11 03 31 53.2	12.1N	43.4E	10	3.5L		
DHMR	**III**	**11 03 54 03.6**	**11.8N**	**43.6E**	**39**	**2.6L**		¶97iii2305
ISC	**III**	**11 04 15 02.1**±.68	**11.8N**±.10	**43.3E**±.11	**39**		**12**	**0-4**
DHMR	III	11 04 15 00.9	11.9N	43.3E	39	2.9L		¶97iii2307
ARO	III	11 04 15 03.6	11.8N	43.2E	4±.9	3.5L		
DHMR	**III**	**11 06 12 33.0**	**11.8N**	**43.6E**	**49**	**2.7L**		¶97iii2320
ISC	**III**	**11 06 28 42.6**±.55	**11.85N**±.066	**43.41E**±.064	**4**	**4.0b**	**26**	**0-69**
RYD	III	11 06 28 26.0	9.6N	43.2E	18	5.1D		¶97iii2322
DHMR	III	11 06 28 43.1	11.9N	43.4E	25	4.5L		
NEIC	III	11 06 28 44.5	12.08N	43.51E	10			
ARO	III	11 06 28 44.7	11.9N	43.3E	4±1.1	4.5L		
EIDC	III	11 06 28 46.0	12.1N	43.5E	0	4.0b		
NEIC	Poor solution.							
DHMR	**III**	**11 06 51 49.2**	**11.8N**	**43.4E**	**52**	**2.5L**		¶97iii2327
DHMR	**III**	**11 08 07 08.4**	**12.0N**	**43.2E**	**19**	**2.4L**		¶97iii2340
DHMR	**III**	**11 09 05 22.9**	**11.8N**	**43.3E**	**38**	**3.2L**		¶97iii2347
DHMR	**III**	**11 19 36 23.3**	**12.0N**	**43.2E**	**28**	**2.4L**		¶97iii2435
ISC	**III**	**12 06 05 08.0**±.74	**11.91N**±.083	**43.33E**±.082	**4**		**12**	**0-3**
DHMR	III	12 06 05 09.6	11.8N	43.3E	63	3.8L		¶97iii2485
ARO	III	12 06 05 10.8	11.8N	43.3E	4±.9	3.5L		
ISC	**III**	**12 09 32 02**±1.0	**11.80N**±.098	**43.33E**±.094	**22**±18		**14**	**0-4**
DHMR	III	12 09 32 01.9	11.9N	43.5E	14	3.7L		¶97iii2506
ARO	III	12 09 32 02.4	11.8N	43.3E	0±1.4	3.6L		
DHMR	**III**	**12 11 29 51.1**	**11.7N**	**43.6E**	**28**	**3.0L**		¶97iii2523
DHMR	**III**	**13 04 11 40.9**	**11.9N**	**43.3E**	**28**	**2.7L**		¶97iii2642
DHMR	**III**	**13 04 14 21.2**	**11.9N**	**43.2E**	**37**	**3.2L**		¶97iii2643
ISC	**III**	**14 05 06 17**±1.3	**11.87N**±.093	**43.3E**±.14	**15**±12		**8**	**0-4**
ARO	III	14 05 06 18.0	11.9N	43.3E	3±.8	3.6L		¶97iii2815
ISC	**III**	**14 14 39 11**±1.6	**11.85N**±.099	**43.3E**±.15	**14**±12		**7**	**0-4**
ARO	III	14 14 39 11.9	11.9N	43.3E	6±2.6	4.0L		¶97iii2899
DHMR	**III**	**23 10 48 15.1**	**13.8N**	**41.5E**	**6**	**3.5L**		¶97iii4430
DHMR	**III**	**25 21 16 00.8**	**11.9N**	**43.8E**	**51**	**3.1L**		¶97iii4794
DHMR	**IV**	**09 16 31 16.4**	**11.8N**	**43.5E**	**16**	**2.5L**		¶97iv1553
ISC	**IV**	**09 22 37 04**±1.1	**11.89N**±.064	**42.04E**±.082	**8**		**12**	**0-4**
ARO	IV	09 22 37 03.3	11.7N	41.9E	1±2.4	3.8L		¶97iv1592
DHMR	IV	09 22 37 06.3	12.1N	42.3E	8	2.6L		
ARO	**V**	**06 23 55 10.6**	**12.8N**	**40.9E**	**5**±63.0	**3.6L**		¶97v1033
ARO	**V**	**08 05 22 32.4**	**12.8N**	**40.9E**	**5**±100.0	**3.5L**		¶97v1183
ARO	**V**	**10 16 35 29.3**	**12.8N**	**40.9E**	**5**±59.1	**3.5L**		¶97v1628
ARO	**V**	**12 12 11 37.1**	**12.7N**	**41.1E**	**1**±31.1	**4.1L**		¶97v1955
ISC	**V**	**30 23 56 22.6**±.94	**11.7N**±.12	**42.86E**±.099	**17**±13		**8**	**0-3**
ARO	V	30 23 56 23.3	11.7N	42.9E	9±1.1	3.6L		¶97v5120
ARO	**VI**	**09 02 02 31.6**	**9.9N**	**43.2E**	**5**±24.6	**3.5L**		¶97vi1314
ARO	**VI**	**28 10 32 18.4**	**10.0N**	**41.6E**	**5**±96.7	**3.6L**		¶97vi4462

(559) Western Gulf of Aden.

DHMR	**III**	**09 07 17 16.6**	**12.4N**	**45.4E**	**30**	**3.5L**		¶97iii1928
DHMR	**III**	**09 10 38 34.4**	**12.3N**	**45.2E**	**44**	**2.5L**		¶97iii1943
DHMR	**IV**	**09 07 09 18.7**	**12.4N**	**45.8E**	**47**	**3.4L**		¶97iv1471
DHMR	**IV**	**09 18 56 15.9**	**12.4N**	**45.9E**	**42**	**3.1L**		¶97iv1566
DHMR	**IV**	**09 20 26 54.3**	**12.4N**	**45.8E**	**23**	**3.3L**		¶97iv1578
DHMR	**IV**	**10 23 56 06.0**	**12.5N**	**45.4E**	**111**	**3.0L**		¶97iv1763
DHMR	**IV**	**11 13 19 58.8**	**12.2N**	**45.8E**	**54**	**3.3L**		¶97iv1906
DHMR	**IV**	**11 15 40 46.7**	**12.4N**	**45.9E**	**37**	**3.0L**		¶97iv1930
DHMR	**IV**	**11 22 29 34.7**	**11.6N**	**45.2E**	**36**	**3.4L**		¶97iv1982
ISC	**IV**	**11 22 32 12**±1.8	**12.3N**±.18	**45.0E**±.21	**17**	**4.0b**	**9**	**2-94**
EIDC	IV	11 22 32 06.3	12.6N	44.1E	0	4.0b,2.9s		¶97iv1983
DHMR	IV	11 22 32 07.7	12.1N	45.0E	17	3.6L		
ISC	**IV**	**12 18 45 48**±1.1	**12.2N**±.14	**45.9E**±.13	**39**	**3.7b**	**9**	**1-93**
EIDC	IV	12 18 45 44.5	12.0N	46.0E	0	3.8b		¶97iv2109
DHMR	IV	12 18 45 47.1	12.3N	45.9E	39	3.2L		
DHMR	**IV**	**12 19 35 38.9**	**12.3N**	**45.9E**	**40**	**2.4L**		¶97iv2115
DHMR	**IV**	**12 20 59 45.4**	**12.3N**	**45.9E**	**40**	**3.2L**		¶97iv2129
DHMR	**VI**	**02 09 08 43.9**	**12.2N**	**45.0E**	**18**	**2.7L**		¶97vi0215

(567) Zaïre.

ISC	**I**	**06 20 44 43**±1.6	**0.5S**±.25	**27.7E**±.11	**0**	**4.4b**	**19**	**2-79**
NAI	I	06 20 44 44.4	0.5S	27.5E		4.9L		¶97i0830
ISC	**II**	**04 14 39 55**±4.4	**8.5S**±.11	**28.9E**±.14	**20**±35	**4.0b**	**9**	**11-78**
NEIC	II	04 14 39 51.4	8.76S	28.72E	10	4.5b		¶97ii0546
EIDC	II	04 14 39 54.9	9.1S	28.5E	30	3.9b,4.9L		
NEIC	Poor solution.							
ISC	**IV**	**15 19 04 27.9**±.23	**8.65S**±.037	**26.35E**±.064	**10**	**4.8b**,5.3s	**145**	**12-129**
BJI	IV	15 19 04 27.3	8.70S	26.40E	10	5.1b		¶97iv2638
NEIC	IV	15 19 04 27.3	8.73S	26.36E	10	5.0b,4.8s		
EIDC	IV	15 19 04 28.0	8.8S	26.3E	0	4.5b,4.6L		
MOS	IV	15 19 04 29.2	8.5S	26.1E	10	5.2b		
ISC	**IV**	**16 00 09 30.9**±.72	**1.5S**±.11	**27.10E**±.072	**0**	**4.1b**,3.9s	**20**	**3-82**
EIDC	IV	16 00 09 22.6	3.4S	26.8E	14	3.7b,3.4s		¶97iv2666
NAI	IV	16 00 09 39.7	2.6N	28.5E	0	5.1L		

(568) Uganda.

NAI	**I**	**08 12 05 05.8**	**0.7N**	**30.1E**		**5.1L**		¶97i1055
NAI	**III**	**19 22 04 45.9**	**0.1N**	**30.3E**	**0**	**4.7L**		¶97iii3771
NAI	**III**	**22 00 55 09.3**	**0.3N**	**30.3E**	**0**	**4.5L**		¶97iii4168
NAI	**IV**	**13 22 42 49.6**	**0.7S**	**30.1E**	**9**	**5.0L**		¶97iv2314
ISC	**V**	**27 16 18 38**±2.8	**2.6N**±.61	**31.4E**±.15	**10**	**4.1b**	**5**	**13-83**
NEIC	V	27 16 18 38.2	2.52N	31.35E	10			¶97v4590
EIDC	V	27 16 18 39.4	2.6N	31.4E	0	4.0b,3.5s		
NEIC	Poor solution.							
ISC	**V**	**27 16 41 03.8**±.40	**2.55N**±.063	**31.65E**±.071	**10**	**4.7b,4.3s**	**89**	**13-127**
EIDC	V	27 16 41 02.5	2.4N	31.5E	0	4.6b,4.0s		¶97v4592
NEIC	V	27 16 41 03.1	2.50N	31.60E	10	4.8b,4.1s		
MOS	V	27 16 41 03.2	2.5N	31.4E	10	5.3b		
BJI	V	27 16 41 06.8	2.85N	32.39E	5	5.1b,5.2s		
NEIC	Less reliable solution.							
NEIC	Felt at Gulu.							
ISC	**V**	**27 17 21 41.8**±.83	**2.1N**±.15	**31.38E**±.099	**10**	**4.3b**,3.3s	**17**	**6-127**
EIDC	V	27 17 21 41.3	1.9N	31.4E	0	4.1b,3.3s		¶97v4595
NEIC	V	27 17 21 41.5	1.97N	31.37E	10			
NAI	V	27 17 21 50.2	2.2N	31.9E	10	4.9L		
NEIC	Poor solution.							
NAI	**V**	**27 23 46 33.6**	**2.2N**	**31.4E**	**10**	**5.2L**		¶97v4627
ISC	**V**	**28 00 05 02**±1.0	**2.2N**±.21	**31.4E**±.13	**10**	**4.1b**	**8**	**4-84**
NEIC	V	28 00 05 00.3	1.78N	31.36E	10			¶97v4628
EIDC	V	28 00 05 01.3	2.0N	31.4E	0	3.9b,5.0L		
NAI	V	28 00 05 07.3	3.7N	34.0E	14	4.2L		
NEIC	Poor solution.							
NAI	**V**	**28 02 06 40.0**	**3.4N**	**33.3E**	**14**	**4.9L**		¶97v4642
NAI	**V**	**29 02 18 32.2**	**2.8N**	**32.0E**	**9**	**4.4L,3.7D**		¶97v4802
NAI	**V**	**29 14 28 42.1**	**1.9N**	**31.3E**	**13**	**4.6L**		¶97v4880
ISC	**V**	**31 09 02 28**±1.2	**1.9N**±.23	**31.3E**±.13	**33**	**3.8b**	**6**	**7-68**
EIDC	V	31 09 02 24.0	1.7N	31.4E	0	3.8b		¶97v5173

ISC	**V**	**31 13 24 20**±1.1	**2.0N**±.21	**31.3E**±.14	**33**	**3.9b**	**8**	**8-84**
EIDC	V	31 13 24 14.9	1.4N	31.4E	0	3.9b,3.9s		¶97v5196
NEIC	V	31 13 24 18.1	1.48N	31.31E	33			
NEIC	Poor solution.							
NAI	**VI**	**01 14 44 23.5**	**1.7N**	**31.6E**	**10**	**4.9L,3.6D**		¶97vi0101
ISC	**VI**	**16 23 16 54.0**±.32	**2.35N**±.049	**31.50E**±.067	**10**	**4.4b,3.7s**	**53**	**2-127**
NEIC	VI	16 23 16 54.0	2.32N	31.37E	10	4.5b		¶97vi2525
EIDC	VI	16 23 16 54.9	2.4N	31.3E	0	4.3b,3.8s		
NAI	VI	16 23 17 00.6	2.9S	30.4E	14	4.7L,4.1D		
NEIC	Less reliable solution.							

(569) Lake Victoria region.

NAI	**I**	**01 00 15 57.2**	**1.2S**	**33.4E**	**10**	**4.7L**		¶97i0003
NAI	**I**	**10 07 21 31.0**	**1.0S**	**33.5E**		**4.3L**		¶97i1328
NAI	**I**	**15 12 21 20.3**	**0.8S**	**33.5E**		**3.0L,3.1D**		¶97i2154
NAI	**I**	**16 21 16 15.4**	**4.0S**	**33.5E**	**7**	**4.2L,3.6D**		¶97i2360
NAI	**I**	**18 21 21 23.4**	**1.2S**	**33.5E**	**9**	**4.5L,3.9D**		¶97i2715
NAI	**I**	**28 17 32 24.9**	**4.0S**	**33.8E**	**14**	**4.3L,3.3D**		¶97i4233
NAI	**II**	**05 01 29 33.5**	**0.9S**	**33.8E**	**12**	**4.0L**		¶97ii0620
NAI	**III**	**16 07 04 39.2**	**0.2S**	**34.6E**	**0**	**3.7L**		¶97iii3186
ISC	**III**	**27 17 01 48**±7.7	**2.9S**±.24	**34.9E**±.44	**10**		**6**	**1-3**
NAI	III	27 17 02 01.7	3.0S	36.0E	10	3.9L		¶97iii5267
NAI	**IV**	**12 03 13 49.9**	**0.1S**	**34.6E**	**0**	**3.0L**		¶97iv2001

(570) Kenya.

NAI	**I**	**25 14 39 50.3**	**2.0S**	**37.8E**	**32**	**3.1L**		¶97i3825
NAI	**II**	**10 21 38 33.5**	**2.0S**	**36.2E**	**14**	**3.4L**		¶97ii1523
NAI	**II**	**14 00 26 31.2**	**4.7S**	**39.3E**	**0**	**3.9L**		¶97ii1997
NAI	**II**	**15 01 33 01.7**	**1.8S**	**37.6E**	**14**	**3.3L**		¶97ii2151
ISC	**III**	**06 02 48 19.7**±.94	**0.3S**±.24	**35.0E**±.15	**0**		**6**	**0-4**
NAI	III	06 02 48 20.7	0.4S	35.0E	0	3.4L,3.5D		¶97iii1176
NAI	**III**	**06 18 13 51.5**	**3.3S**	**38.2E**	**0**	**3.4L**		¶97iii1327
NAI	**III**	**10 03 01 11.9**	**2.5N**	**37.5E**	**0**	**4.3L**		¶97iii2133
ISC	**III**	**14 07 57 50**±4.4	**2.6S**±.41	**37.6E**±.12	**22**		**4**	**1-2**
NAI	III	14 07 57 50.0	2.7S	37.6E	22	3.0L		¶97iii2838
ISC	Poorly determined							
ISC	**III**	**26 13 16 34**±1.2	**1.3S**±.11	**36.67E**±.081	**10**		**4**	**1-2**
NAI	III	26 13 16 36.4	1.4S	36.8E	10	4.4L		¶97iii4972
ISC	Poorly determined							
ISC	**IV**	**01 13 36 08**±3.5	**3.0S**±.33	**37.3E**±.14	**33**		**4**	**1-2**
NAI	IV	01 13 36 09.7	2.9S	37.2E	33	3.8L		¶97iv0077
ISC	Poorly determined							

(571) Southern Somalia.

NAI	**III**	**09 01 37 21.4**	**0.1S**	**42.8E**	**10**			¶97iii1879

(572) Lake Tanganyika region.

ISC	**II**	**11 07 38 40.5**±.82	**2.4S**±.11	**29.3E**±.14	**10**	**4.5b**	**12**	**8-114**
NEIC	II	11 07 38 37.9	2.72S	29.11E	10	4.7b		¶97ii1602
EIDC	II	11 07 38 45.4	1.7S	29.0E	0	4.1b,4.3L		
NEIC	Poor solution.							
NAI	**III**	**21 01 33 53.5**	**4.9S**	**29.7E**	**10**	**5.1L**		¶97iii3981
ISC	**V**	**14 21 14 40.7**±.39	**3.90S**±.056	**28.77E**±.086	**10**	**4.3b,3.6s**	**46**	**4-128**
NEIC	V	14 21 14 40.8	3.91S	28.68E	10	4.4b,3.7s		¶97v2508
EIDC	V	14 21 14 42.0	3.9S	28.3E	0	4.0b,4.5L		
ISC	**VI**	**12 05 08 27.6**±.42	**9.60S**±.059	**31.81E**±.072	**10**	**4.4b,3.9s**	**29**	**7-97**
NEIC	VI	12 05 08 27.0	9.75S	31.65E	10	4.6b		¶97vi1802
EIDC	VI	12 05 08 27.6	9.8S	31.6E	0	4.2b,4.1s		
NAI	VI	12 05 09 19.7	6.8S	34.5E	18	4.6L,4.5D		
NEIC	Less reliable solution.							
NAI	**VI**	**19 15 35 36.1**	**3.8S**	**29.3E**		**4.5L,4.0D**		¶97vi2935

(573) Tanzania.

NAI	**I**	**06 00 59 52.4**	**5.3S**	**35.9E**	**1**	**4.1L**		¶97i0732
NAI	**I**	**06 02 38 36.5**	**5.3S**	**35.9E**		**4.9L**		¶97i0738
NAI	**I**	**07 12 18 49.8**	**5.3S**	**35.9E**	**14**	**5.1L**		¶97i0918
NAI	**I**	**13 20 28 02.7**	**3.2S**	**35.8E**	**0**	**4.4L,3.6D**		¶97i1893
NAI	**I**	**20 22 52 13.7**	**3.6S**	**35.8E**	**8**	**3.4L,3.1D**		¶97i3097
NAI	**I**	**24 09 03 07.7**	**3.1S**	**36.0E**	**6**	**3.1L,3.0D**		¶97i3622
ISC	**I**	**24 11 25 48**±2.4	**3.0S**±.13	**35.8E**±.32	**5**		**4**	**1-3**
NAI	I	24 11 25 51.3	3.0S	36.0E	5	3.2L,3.0D		¶97i3639
ISC	Poorly determined							
NAI	**I**	**25 05 00 01.3**	**3.0S**	**36.0E**	**7**	**3.0L**		¶97i3742
NAI	**I**	**28 01 17 31.7**	**5.4S**	**35.8E**		**4.0L,3.5D**		¶97i4152
NAI	**II**	**03 19 05 49.8**	**3.7S**	**35.8E**	**14**	**4.0L**		¶97ii0411
NAI	**II**	**07 05 55 42.0**	**3.7S**	**36.4E**	**7**	**3.1L**		¶97ii0953
NAI	**II**	**08 04 50 00.3**	**4.1S**	**35.7E**	**0**	**3.4L**		¶97ii1096
ISC	**II**	**13 14 19 01**±1.3	**3.33S**±.090	**36.8E**±.13	**7**		**5**	**1-3**
NAI	II	13 14 19 02.4	3.3S	36.7E	7	3.6L,3.1D		¶97ii1936
ISC	**II**	**13 19 11 55**±1.1	**5.4S**±.14	**36.0E**±.40	**0**		**5**	**1-4**
NAI	II	13 19 11 57.2	5.4S	36.0E	0	4.6L		¶97ii1967
NAI	**II**	**15 23 51 42.1**	**4.5S**	**36.2E**	**0**	**3.8L**		¶97ii2313
ISC	**II**	**23 01 39 31.3**±.29	**5.33S**±.044	**34.84E**±.059	**10**	**4.5b,3.8s**	**58**	**5-135**
NEIC	II	23 01 39 31.2	5.30S	34.82E	10	4.6b		¶97ii3277
EIDC	II	23 01 39 31.5	5.3S	34.8E	0	4.4b,3.9s		
MOS	II	23 01 39 32.0	5.3S	34.5E	10	4.8b		
BJI	II	23 01 39 32.0	5.06S	34.75E	6	5.0b		
NAI	**III**	**02 17 47 12.9**	**4.4S**	**36.0E**	**14**	**3.7L**		¶97iii0371
NAI	**III**	**05 17 57 55.1**	**3.0S**	**36.4E**	**0**	**3.3L**		¶97iii1112
NAI	**III**	**16 01 38 47.0**	**5.1S**	**36.4E**	**14**			¶97iii3146
NAI	**III**	**16 02 47 24.6**	**5.2S**	**36.3E**	**9**	**3.8L**		¶97iii3154
NAI	**III**	**16 09 59 57.9**	**3.2S**	**35.2E**	**31**	**3.5L**		¶97iii3207
NAI	**III**	**18 21 30 20.6**	**5.3S**	**35.1E**	**14**	**4.2L**		¶97iii3593
NAI	**III**	**20 04 48 21.1**	**3.4S**	**36.3E**	**0**	**3.1L**		¶97iii3835
NAI	**III**	**23 05 50 04.5**	**3.0S**	**36.3E**	**23**	**3.8L**		¶97iii4400
NAI	**III**	**25 19 24 03.9**	**6.6S**	**36.0E**	**13**	**3.9L,3.2D**		¶97iii4774
NAI	**III**	**25 21 24 32.0**	**5.2S**	**36.2E**	**10**	**3.9L**		¶97iii4797
NAI	**III**	**25 22 09 23.4**	**5.3S**	**36.1E**	**3**	**4.6L,3.3D**		¶97iii4802
NAI	**III**	**26 15 07 10.0**	**5.2S**	**36.0E**	**13**	**3.7L**		¶97iii5009
NAI	**III**	**30 10 13 32.5**	**2.4S**	**36.2E**	**10**	**3.2L**		¶97iii5737
NAI	**IV**	**01 07 00 11.2**	**4.3S**	**33.4E**	**0**	**4.1L**		¶97iv0029
NAI	**IV**	**04 07 23 48.4**	**5.5S**	**35.9E**	**0**	**3.9L**		¶97iv0562
NAI	**IV**	**04 13 59 56.1**	**4.0S**	**35.8E**	**9**	**3.9L**		¶97iv0620
NAI	**IV**	**18 23 22 43.6**	**3.8S**	**35.7E**	**14**	**3.7L**		¶97iv3132
NAI	**IV**	**24 01 07 39.0**	**4.8S**	**35.2E**	**0**	**4.0L**		¶97iv4055
NAI	**IV**	**27 16 41 22.2**	**2.5S**	**36.0E**	**8**	**3.3L**		¶97iv4759
NAI	**V**	**03 07 45 10.5**	**5.3S**	**35.9E**	**4**	**3.8L,3.4D**		¶97v0396
NAI	**V**	**03 20 10 27.0**	**2.2S**	**36.2E**	**8**	**2.9L,3.0D**		¶97v0494
NAI	**V**	**15 12 52 22.6**	**4.5S**	**34.3E**	**37**	**3.8L,3.7D**		¶97v2621
NAI	**V**	**17 18 25 35.8**	**5.3S**	**36.1E**	**9**	**4.4L,3.8D**		¶97v2970
NAI	**V**	**18 19 38 10.5**	**2.6S**	**36.0E**	**22**	**3.8L,3.2D**		¶97v3138
NAI	**V**	**18 21 52 05.8**	**2.8S**	**36.1E**		**3.1L,2.8D**		¶97v3152
NAI	**V**	**21 22 08 48.0**	**4.5S**	**38.4E**		**3.3L**		¶97v3613
NAI	**V**	**22 07 39 51.9**	**3.1S**	**37.0E**	**11**	**3.5L**		¶97v3730
NAI	**V**	**24 05 58 35.8**	**2.2S**	**35.5E**		**3.6L**		¶97v4063
NAI	**V**	**28 07 35 49.7**	**5.2S**	**35.6E**		**3.7L**		¶97v4676
ISC	**VI**	**09 02 38 31**±7.9	**6.4S**±.13	**39.4E**±.18	**10**±45	**4.2b**,3.6s	**17**	**4-85**
NEIC	VI	09 02 38 31.0	6.38S	39.35E	10	4.4b		¶97vi1320
EIDC	VI	09 02 38 31.1	6.5S	39.3E	0	4.1b,3.6s		
NAI	VI	09 02 38 48.3	5.3S	38.9E		3.9L,3.6D		
NEIC	Less reliable solution.							
NAI	**VI**	**30 23 41 53.1**	**3.4S**	**37.5E**	**10**	**3.6L,3.1D**		¶97vi4845

(574) North-west of Madagascar.

ISC	**I**	**21 03 17 50**±1.1	**10.3S**±.13	**41.7E**±.15	**10**		**7**	**10-43**
								¶97i3130

(576) Zambia.

ISC	**I**	**10 08 22 59.7**±.62	**14.76S**±.075	**26.8E**±.11	**20**	**4.4b**	**28**	**6-133**
NEIC	I	10 08 22 59.1	14.69S	27.11E	20	4.1b		¶97i1332
EIDC	I	10 08 23 01.4	14.5S	27.3E	20	4.1b,4.3L		
NEIC	Less reliable solution.							

(577) Malawi.

ISC	**IV**	**20 14 57 09**±1.1	**13.8S**±.13	**34.8E**±.18	**33**	**3.7b**	**8**	**17-127**
EIDC	IV	20 14 57 05.6	13.8S	34.9E	0	3.8b,3.7L		¶97iv3331
NEIC	IV	20 14 57 09.4	13.73S	34.81E	33			
NEIC	Single network solution.							

(579) Botswana.

ISC	**VI**	**29 17 32 06.0**±.89	**20.6S**±.10	**26.8E**±.12	**0**	**3.9b**	**7**	**2-82**
EIDC	VI	29 17 32 09.4	20.5S	26.3E	0	3.9b,4.6L		¶97vi4647

(582) Moçambique Channel.

NAI	**V**	**03 17 01 03.7**	**19.5S**	**39.0E**	**90**	**4.9b**		¶97v0468

(583) Madagascar.

ISC	**VI**	**27 08 18 13**±10	**18.6S**±.37	**46.9E**±.52	**5**±22		**5**	**0-1**
ISC	Poorly determined							¶97vi4258
ISC	**VI**	**27 16 19 24**±2.7	**19.2S**±.12	**46.9E**±.26	**30**		**5**	**0-1**
								¶97vi4325

(584) South Africa.

PRE	**I**	**01 01 46 13.1**	**26.47S**	**27.36E**	**2**	**3.7L**		¶97i0011
PRE	**I**	**02 15 22 47.6**	**26.10S**	**27.78E**	**2**	**2.2L**		¶97i0230
PRE	**I**	**02 16 26 16.1**	**26.36S**	**27.39E**	**2**	**1.9L**		¶97i0243
ISC	**I**	**03 03 23 26**±1.3	**26.48S**±.076	**27.6E**±.22	**2**	**4.4b**	**20**	**1-136**
EIDC	I	03 03 23 24.2	26.6S	28.2E	0	4.2b,4.6L		¶97i0308
NEIC	I	03 03 23 25.7	26.41S	27.82E	5	4.2b		
PRE	I	03 03 23 28.3	26.39S	27.41E	2	4.4L		
NEIC	Poor solution.							
ISC	**I**	**03 05 08 41**±1.5	**26.51S**±.079	**27.8E**±.22	**2**	4.0b	**13**	**1-72**
NEIC	I	03 05 08 41.9	26.46S	27.74E	5			¶97i0323
PRE	I	03 05 08 44.1	26.40S	27.38E	2	3.9L		
EIDC	I	03 05 08 44.7	26.3S	27.3E	0	4.0b,4.1L		
NEIC	Poor solution.							
PRE	**I**	**03 08 21 59.4**	**26.36S**	**27.47E**	**2**	**4.1L**		¶97i0344
PRE	**I**	**03 10 27 56.3**	**26.36S**	**27.36E**	**2**	**2.2L**		¶97i0358
PRE	**I**	**03 10 43 45.5**	**26.84S**	**26.81E**	**2**	**2.0L**		¶97i0359
PRE	**I**	**03 21 23 24.9**	**26.34S**	**27.48E**	**2**	**2.3L**		¶97i0429
ISC	**I**	**04 02 16 14.7**±.79	**26.2S**±.10	**26.8E**±.15	**2**	**4.2b**	**10**	**0-87**
EIDC	I	04 02 16 15.7	26.2S	27.0E	0	4.1b,4.2L		¶97i0461
NEIC	I	04 02 16 16.1	26.07S	26.59E	5			
PRE	I	04 02 16 16.4	26.42S	27.37E	2	3.7L		
NEIC	Poor solution.							
PRE	**I**	**04 18 15 33.5**	**26.95S**	**26.68E**	**2**	**3.0L**		¶97i0568
PRE	**I**	**07 14 53 45.0**	**26.32S**	**27.50E**	**2**	**2.0L**		¶97i0939
PRE	**I**	**07 18 41 03.4**	**26.97S**	**26.74E**	**2**	**2.5L**		¶97i0965
PRE	**I**	**07 19 44 06.4**	**27.07S**	**26.79E**	**2**	**2.4L**		¶97i0970
PRE	**I**	**07 21 20 09.2**	**26.41S**	**27.50E**	**2**	**2.5L**		¶97i0977
PRE	**I**	**09 14 07 35.7**	**26.38S**	**27.45E**	**2**	**4.1L**		¶97i1230
PRE	**I**	**09 21 33 37.1**	**26.86S**	**26.87E**	**2**	**3.3L**		¶97i1278
PRE	**I**	**10 05 04 07.1**	**26.43S**	**27.28E**	**2**	**2.9L**		¶97i1315
PRE	**I**	**10 15 15 57.8**	**26.90S**	**26.80E**	**2**	**3.1L**		¶97i1383
PRE	**I**	**10 23 39 52.2**	**26.95S**	**26.79E**	**2**	**3.3L**		¶97i1440
PRE	**I**	**11 11 24 58.6**	**26.36S**	**27.46E**	**2**	**2.7L**		¶97i1513
PRE	**I**	**11 15 49 51.0**	**26.84S**	**26.70E**	**2**	**3.6L**		¶97i1541
PRE	**I**	**11 15 58 50.7**	**26.39S**	**27.64E**	**2**	**2.3L**		¶97i1544
PRE	**I**	**11 16 03 45.8**	**26.32S**	**27.63E**	**2**	**2.9L**		¶97i1545
PRE	**I**	**11 20 59 51.4**	**26.16S**	**27.76E**	**2**	**3.1L**		¶97i1579
PRE	**I**	**13 03 17 16.0**	**26.82S**	**26.71E**	**2**	**3.0L**		¶97i1773
PRE	**I**	**14 10 35 52.1**	**27.10S**	**26.71E**	**2**	**3.8L**		¶97i1981
PRE	**I**	**14 12 46 10.5**	**26.09S**	**27.72E**	**2**	**2.6L**		¶97i1993
PRE	**I**	**15 16 44 11.5**	**26.37S**	**27.43E**	**2**	**2.9L**		¶97i2178
PRE	**I**	**15 20 42 46.6**	**26.49S**	**27.39E**	**2**	**2.2L**		¶97i2207
PRE	**I**	**15 23 32 41.5**	**26.36S**	**27.46E**	**2**	**2.5L**		¶97i2222
ISC	**I**	**16 03 13 00**±1.1	**26.51S**±.088	**27.4E**±.11	**2**		**11**	**1-10**
PRE	I	16 03 13 01.3	26.42S	27.49E	2	3.2L		¶97i2248
PRE	**I**	**16 22 54 00.6**	**27.90S**	**26.75E**	**2**	**2.6L**		¶97i2371
PRE	**I**	**17 12 37 22.1**	**26.75S**	**26.83E**	**2**	**2.3L**		¶97i2453
PRE	**I**	**18 02 21 22.8**	**26.38S**	**27.45E**	**2**	**2.1L**		¶97i2581
PRE	**I**	**18 12 45 46.9**	**26.39S**	**27.46E**	**2**	**2.0L**		¶97i2658
PRE	**I**	**18 13 27 13.9**	**26.87S**	**26.75E**	**2**	**2.4L**		¶97i2668
PRE	**I**	**18 14 18 45.0**	**26.32S**	**27.50E**	**2**	**1.6L**		¶97i2673
PRE	**I**	**20 03 05 06.5**	**26.85S**	**26.72E**	**2**	**3.5L**		¶97i2930
PRE	**I**	**20 06 47 16.4**	**26.98S**	**26.76E**	**2**	**4.0L**		¶97i2953
EIDC	I	20 06 47 14.1	26.8S	26.4E	0	4.1b,3.7L		
PRE	**I**	**20 10 48 20.0**	**26.52S**	**27.42E**	**2**	**3.3L**		¶97i2989

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °	
PRE	**I**	**22 00 31 15.5**	**26.39S**	**27.36E**	**2**	**1.9L**			¶97i3253
PRE	**I**	**22 01 47 22.2**	**26.40S**	**27.38E**	**2**	**2.6L**			¶97i3261
PRE	**I**	**22 06 03 30.4**	**26.41S**	**27.54E**	**2**	**3.0L**			¶97i3284
PRE	**I**	**22 22 34 44.9**	**26.34S**	**27.48E**	**2**	**3.1L**			¶97i3395
PRE	**I**	**23 03 10 05.0**	**26.36S**	**27.42E**	**2**	**2.8L**			¶97i3429
PRE	**I**	**23 04 42 11.0**	**26.37S**	**27.55E**	**2**	**1.9L**			¶97i3435
PRE	**I**	**23 06 47 43.8**	**26.90S**	**26.71E**	**2**	**2.5L**			¶97i3449
PRE	**I**	**23 15 02 11.9**	**28.03S**	**26.89E**	**2**	**3.1L**			¶97i3516
PRE	**I**	**23 15 14 15.9**	**26.34S**	**27.45E**	**2**	**2.7L**			¶97i3517
PRE	**I**	**23 15 33 22.1**	**26.23S**	**27.88E**	**2**	**2.0L**			¶97i3519
PRE	**I**	**23 17 08 30.5**	**26.79S**	**26.73E**	**2**	**3.2L**			¶97i3531
PRE	**I**	**23 18 10 42.2**	**26.42S**	**27.40E**	**2**	**1.7L**			¶97i3534
PRE	**I**	**23 21 03 38.4**	**26.36S**	**27.44E**	**2**	**2.0L**			¶97i3550
PRE	**I**	**24 00 28 16.5**	**26.37S**	**27.41E**	**2**	**2.2L**			¶97i3572
PRE	**I**	**24 09 23 50.4**	**26.85S**	**26.89E**	**2**	**2.5L**			¶97i3630
PRE	**I**	**24 16 19 57.3**	**28.00S**	**26.64E**	**2**	**2.1L**			¶97i3667
PRE	**I**	**25 11 05 14.1**	**26.41S**	**27.31E**	**2**	**1.9L**			¶97i3796
PRE	**I**	**26 11 29 45.5**	**26.27S**	**27.63E**	**2**	**2.7L**			¶97i3936
PRE	**I**	**26 16 50 12.6**	**26.39S**	**27.46E**	**2**	**1.7L**			¶97i3969
PRE	**I**	**27 23 23 24.2**	**26.30S**	**27.66E**	**2**	**3.1L**			¶97i4142
PRE	**I**	**28 14 00 29.1**	**27.90S**	**26.62E**	**2**	**3.1L**			¶97i4216
PRE	**I**	**28 18 51 48.4**	**26.84S**	**26.73E**	**2**	**3.0L**			¶97i4243
PRE	**I**	**29 20 58 43.6**	**26.32S**	**27.45E**	**2**	**2.3L**			¶97i4400
ISC	**I**	**31 16 38 58.9**±.85	**27.10S**±.077	**26.6E**±.14	**2**			**11**	**1-7**
PRE	I	31 16 38 55.1	26.95S	26.65E	2	3.6L			¶97i4653
PRE	**II**	**01 09 14 17.9**	**26.81S**	**26.73E**	**2**	**3.1L**			¶97ii0048
PRE	**II**	**01 13 58 07.4**	**26.42S**	**27.34E**	**2**	**2.0L**			¶97ii0079
PRE	**II**	**02 23 12 24.7**	**26.33S**	**27.63E**	**2**	**2.7L**			¶97ii0295
PRE	**II**	**03 11 44 40.5**	**26.46S**	**27.54E**	**2**	**3.4L**			¶97ii0372
ISC	**II**	**04 12 12 56**±1.2	**26.5S**±.11	**27.4E**±.12	**2**			**5**	**1-6**
PRE	II	04 12 12 50.8	26.49S	27.44E	2	3.4L			¶97ii0516
PRE	**II**	**04 15 11 56.1**	**26.37S**	**27.27E**	**2**	**2.7L**			¶97ii0555
PRE	**II**	**05 03 19 53.5**	**26.88S**	**26.61E**	**2**	**3.2L**			¶97ii0631
PRE	**II**	**06 06 31 51.6**	**27.74S**	**26.73E**	**2**	**3.6L**			¶97ii0807
PRE	**II**	**06 12 09 47.1**	**26.25S**	**27.69E**	**2**	**3.0L**			¶97ii0834
PRE	**II**	**07 14 31 44.4**	**26.45S**	**27.49E**	**2**	**2.3L**			¶97ii1001
ISC	**II**	**08 09 19 10**±1.3	**26.3S**±.10	**27.3E**±.13	**2**			**4**	**1-3**
PRE	II	08 09 19 10.3	26.38S	27.31E	2	2.4L			¶97ii1122
ISC		Poorly determined							
ISC	**II**	**08 14 53 22**±1.4	**26.5S**±.11	**27.7E**±.17	**2**			**4**	**1-3**
PRE	II	08 14 53 24.1	26.40S	27.59E	2	2.5L			¶97ii1154
ISC		Poorly determined							
PRE	**II**	**08 15 42 40.6**	**26.34S**	**27.59E**	**2**	**3.1L**			¶97ii1166
PRE	**II**	**09 00 16 34.8**	**26.43S**	**27.54E**	**2**	**2.7L**			¶97ii1225
PRE	**II**	**09 04 27 48.0**	**26.21S**	**27.71E**	**2**	**1.5L**			¶97ii1252
PRE	**II**	**09 09 05 22.2**	**28.16S**	**26.86E**	**2**	**2.7L**			¶97ii1286
PRE	**II**	**09 19 50 38.2**	**26.50S**	**27.34E**	**2**	**2.5L**			¶97ii1358
PRE	**II**	**09 22 49 25.7**	**26.34S**	**27.53E**	**2**	**2.9L**			¶97ii1377
PRE	**II**	**10 11 10 15.1**	**26.50S**	**27.38E**	**2**	**1.6L**			¶97ii1447
ISC	**II**	**10 12 33 34**±1.2	**26.45S**±.088	**27.3E**±.14	**2**			**6**	**1-3**
PRE	II	10 12 33 26.8	26.43S	27.30E	2	2.5L			¶97ii1459
PRE	**II**	**10 12 44 13.1**	**26.53S**	**27.48E**	**2**	**2.9L**			¶97ii1461
PRE	**II**	**10 13 13 19.2**	**26.46S**	**27.36E**	**2**	**2.4L**			¶97ii1467
ISC	**II**	**10 14 53 40**±1.5	**26.9S**±.14	**27.1E**±.19	**2**			**5**	**1-7**
PRE	II	10 14 53 43.4	26.78S	26.75E	2	2.5L			¶97ii1476
ISC	**II**	**10 16 10 29**±1.8	**26.93S**±.060	**26.71E**±.055	**2**±11	**5.1b**,4.5s		**139**	**1-149**
PRE	II	10 16 09 28.2	26.88S	26.72E	2	4.1L			¶97ii1486
NEIC	II	10 16 10 28.6	27.02S	26.70E	5	5.2b			
EIDC	II	10 16 10 29.5	26.9S	26.7E	0	4.9b,5.2L			
BJI	II	10 16 10 30.3	26.69S	26.93E	5	5.0b			
MOS	II	10 16 10 30.8	26.8S	26.8E	10	5.2b			
PRE	**II**	**10 16 27 37.6**	**26.85S**	**26.64E**	**2**	**2.5L**			¶97ii1488
ISC	**II**	**10 16 29 55**±1.7	**27.0S**±.19	**26.8E**±.20	**2**			**4**	**2-3**
PRE	II	10 16 29 53.1	27.08S	26.85E	2	2.8L			¶97ii1489
ISC		Poorly determined							
ISC	**II**	**10 16 39 49**±1.0	**26.8S**±.11	**26.6E**±.15	**2**			**5**	**1-2**
PRE	II	10 16 39 47.5	26.95S	26.83E	2	2.7L			¶97ii1490
PRE	**II**	**11 03 38 04.9**	**26.98S**	**26.73E**	**2**	**2.5L**			¶97ii1577
ISC	**II**	**11 07 46 16.6**±.90	**26.87S**±.083	**26.8E**±.13	**2**			**10**	**0-4**
PRE	II	11 07 46 13.7	26.86S	26.67E	2	3.4L			¶97ii1604
PRE	**II**	**12 05 29 55.8**	**27.83S**	**26.60E**	**2**	**3.3L**			¶97ii1727
PRE	**II**	**12 13 50 19.9**	**26.42S**	**27.33E**	**2**	**2.0L**			¶97ii1769
PRE	**II**	**12 18 04 51.4**	**26.31S**	**27.47E**	**2**	**2.0L**			¶97ii1801
ISC	**II**	**12 20 18 59**±2.7	**26.2S**±.10	**28.3E**±.28	**2**			**4**	**0-4**
PRE	II	12 20 19 02.6	26.22S	28.13E	2	2.6L			¶97ii1813
ISC		Poorly determined							
PRE	**II**	**13 00 19 50.1**	**27.98S**	**26.74E**	**2**	**2.9L**			¶97ii1843
ISC	**II**	**13 14 22 56**±1.1	**26.34S**±.077	**27.5E**±.12	**2**			**5**	**1-3**
PRE	II	13 14 22 57.6	26.36S	27.48E	2	2.5L			¶97ii1937
PRE	**II**	**14 07 20 46.8**	**26.82S**	**26.77E**	**2**	**2.5L**			¶97ii2036
PRE	**II**	**14 16 56 21.1**	**26.90S**	**26.83E**	**2**	**2.6L**			¶97ii2085
PRE	**II**	**14 18 00 31.1**	**26.37S**	**27.59E**	**2**	**2.6L**			¶97ii2096
PRE	**II**	**15 04 33 51.9**	**27.98S**	**26.73E**	**2**	**2.8L**			¶97ii2172
ISC	**II**	**15 09 39 01**±1.1	**26.9S**±.12	**26.9E**±.24	**2**			**5**	**1-2**
PRE	II	15 09 39 02.1	26.92S	26.73E	2	3.0L			¶97ii2206
PRE	**II**	**15 13 15 58.0**	**26.88S**	**26.75E**	**2**	**3.2L**			¶97ii2236
PRE	**II**	**15 13 45 26.9**	**26.86S**	**26.75E**	**2**	**2.5L**			¶97ii2242
PRE	**II**	**16 02 25 29.6**	**26.90S**	**26.57E**	**2**	**2.5L**			¶97ii2328
ISC	**II**	**16 04 32 36**±1.1	**26.9S**±.12	**26.9E**±.24	**2**			**5**	**1-2**
PRE	II	16 04 32 37.2	26.94S	26.81E	2	2.3L			¶97ii2337
PRE	**II**	**16 12 50 13.3**	**27.98S**	**26.70E**	**2**	**2.8L**			¶97ii2378
PRE	**II**	**17 12 39 50.4**	**26.41S**	**27.52E**	**2**	**2.1L**			¶97ii2496
PRE	**II**	**17 14 37 27.2**	**26.45S**	**27.43E**	**2**	**2.2L**			¶97ii2504
ISC	**II**	**17 22 07 33**±1.3	**26.4S**±.11	**27.4E**±.12	**2**			**5**	**1-3**
PRE	II	17 22 07 34.9	26.38S	27.31E	2	2.5L			¶97ii2554
ISC	**II**	**18 16 00 15**±1.6	**26.3S**±.27	**27.3E**±.24	**2**			**5**	**1-3**
PRE	II	18 16 00 16.1	26.33S	27.35E	2	2.5L			¶97ii2667
ISC		Poorly determined							
PRE	**II**	**18 23 05 46.9**	**27.03S**	**26.84E**	**2**	**2.7L**			¶97ii2700
ISC	**II**	**19 00 08 29**±1.1	**26.8S**±.11	**26.8E**±.15	**2**			**5**	**1-2**
PRE	II	19 00 08 28.1	26.96S	26.82E	2	2.8L			¶97ii2710
ISC	**II**	**19 19 52 30**±1.4	**28.0S**±.14	**26.7E**±.24	**2**			**4**	**1-3**
PRE	II	19 19 52 31.1	28.05S	26.70E	2	2.5L			¶97ii2824
ISC		Poorly determined							
PRE	**II**	**21 06 50 06.8**	**26.50S**	**27.49E**	**2**	**3.1L**			¶97ii3030
PRE	**II**	**21 06 58 17.3**	**27.92S**	**26.62E**	**2**	**3.0L**			¶97ii3031
ISC	**II**	**21 11 53 12.7**±.81	**26.83S**±.085	**26.76E**±.077	**2**			**10**	**1-7**
PRE	II	21 11 53 12.8	26.80S	26.77E	2	3.8L			¶97ii3066
PRE	**II**	**22 00 00 14.6**	**26.86S**	**26.72E**	**2**	**3.4L**			¶97ii3143
PRE	**II**	**22 00 14 02.4**	**26.83S**	**26.71E**	**2**	**2.6L**			¶97ii3144
PRE	**II**	**22 13 40 29.4**	**26.35S**	**27.39E**	**2**	**1.9L**			¶97ii3213
PRE	**II**	**23 06 26 48.8**	**27.86S**	**26.75E**	**2**	**2.4L**			¶97ii3302
PRE	**II**	**24 14 07 02.4**	**26.37S**	**27.46E**	**2**	**2.6L**			¶97ii3486
PRE	**II**	**25 13 33 55.4**	**26.81S**	**26.84E**	**2**	**4.3L**			¶97ii3627
PRE	**II**	**27 03 32 17.8**	**26.49S**	**27.38E**	**2**	**2.9L**			¶97ii3901
PRE	**II**	**28 13 03 34.1**	**26.36S**	**27.47E**	**2**	**3.3L**			¶97ii4254
PRE	**II**	**28 19 56 24.4**	**26.35S**	**27.30E**	**2**	**2.3L**			¶97ii4325
EIDC	**III**	**01 20 10 41.3**	**26.1S**	**26.3E**	**0**	3.8b,3.7L			**3-71**
									¶97iii0177
ISC	**III**	**20 07 44 59.7**±.49	**26.78S**±.076	**26.41E**±.097	**5**	**4.5b**		**36**	**2-149**
NEIC	III	20 07 44 59.7	26.81S	26.36E	5	4.6b			¶97iii3867
EIDC	III	20 07 45 00.6	26.8S	26.3E	0	4.5b,4.6L			
NEIC		Less reliable solution.							
PRE	**IV**	**01 10 16 32.5**	**26.46S**	**27.53E**	**2**	**3.2L**			¶97iv0052
ISC	**IV**	**01 16 16 30.5**±.91	**26.45S**±.072	**27.62E**±.099	**0**			**6**	**0-3**
									¶97iv0105
ISC	**IV**	**05 03 33 10**±1.1	**26.32S**±.077	**27.6E**±.11	**2**			**5**	**1-3**
PRE	IV	05 03 33 12.7	26.36S	27.47E	2	3.0L			¶97iv0686
PRE	**IV**	**05 23 14 20.1**	**27.91S**	**26.73E**	**2**	**3.3L**			¶97iv0876
ISC	**IV**	**11 12 17 54.5**±.81	**26.31S**±.074	**27.46E**±.088	**2**			**9**	**1-6**
PRE	IV	11 12 17 55.5	26.35S	27.48E	2	3.2L			¶97iv1897
ISC	**IV**	**13 06 24 26**±1.1	**26.31S**±.098	**27.4E**±.15	**2**			**6**	**1-6**
PRE	IV	13 06 24 26.8	26.39S	27.43E	2	3.1L			¶97iv2203
PRE	**IV**	**13 17 01 42.9**	**26.78S**	**26.85E**	**2**	**3.0L**			¶97iv2270
ISC	**IV**	**16 12 34 07**±3.0	**26.4S**±.17	**29.5E**±.37	**33**	**4.0b**		**6**	**4-73**
EIDC	IV	16 12 34 04.9	26.5S	29.5E	0	4.0b,3.2L			¶97iv2754
PRE	**IV**	**17 14 19 45.8**	**26.31S**	**27.33E**	**2**	**3.1L**			¶97iv2919
ISC	**IV**	**18 20 01 25**±1.4	**26.38S**±.089	**27.6E**±.18	**5**	3.7b		**10**	**1-72**
NEIC	IV	18 20 01 24.5	26.36S	27.81E	5				¶97iv3114
PRE	IV	18 20 01 26.5	26.37S	27.42E	2	3.9L			
EIDC	IV	18 20 01 27.3	26.4S	27.3E	0	3.6b,3.2L			
NEIC		Poor solution.							
PRE	**IV**	**23 16 16 41.5**	**26.37S**	**27.50E**	**2**	**3.0L**			¶97iv3991
ISC	**IV**	**24 22 16 07.0**±.92	**26.36S**±.073	**26.9E**±.12	**34**±12	**3.9b**		**13**	**0-87**
NEIC	IV	24 22 16 02.2	26.30S	27.08E	5				¶97iv4218
PRE	IV	24 22 16 02.9	26.41S	27.49E	2	3.2L			
EIDC	IV	24 22 16 03.0	26.4S	27.2E	0	4.0b,3.9L			
NEIC		Less reliable solution.							
PRE	**IV**	**26 15 05 47.2**	**26.41S**	**27.32E**	**2**	**3.4L**			¶97iv4568
PRE	**IV**	**27 23 43 35.3**	**26.80S**	**26.78E**	**2**	**3.6L**			¶97iv4808
PRE	**V**	**04 18 54 45.1**	**26.41S**	**27.40E**	**2**	**3.1L**			¶97v0678
PRE	**V**	**05 15 49 27.0**	**26.87S**	**26.80E**	**2**	**3.4L**			¶97v0809
PRE	**V**	**05 21 28 33.5**	**27.99S**	**26.63E**	**2**	**3.1L**			¶97v0852
PRE	**V**	**07 10 04 28.4**	**26.38S**	**27.51E**	**2**	**3.9L**			¶97v1079
PRE	**V**	**07 14 53 00.1**	**26.92S**	**26.83E**	**2**	**3.4L**			¶97v1114
PRE	**V**	**09 21 28 47.9**	**27.11S**	**26.82E**	**2**	**3.0L**			¶97v1491
PRE	**V**	**13 01 01 55.9**	**26.37S**	**27.42E**	**2**	**3.0L**			¶97v2094
PRE	**V**	**16 12 30 03.5**	**26.19S**	**27.83E**	**2**	**3.2L**			¶97v2773
PRE	**V**	**17 10 32 30.8**	**26.39S**	**27.44E**	**2**	**3.2L**			¶97v2913
PRE	**V**	**21 14 45 51.3**	**26.81S**	**26.73E**	**2**	**3.3L**			¶97v3571
PRE	**V**	**21 16 15 18.4**	**26.88S**	**26.70E**	**2**	**3.8L**			¶97v3579
ISC	**V**	**23 05 35 44**±1.2	**26.9S**±.14	**26.7E**±.28	**2**			**4**	**1-2**
PRE	V	23 05 35 44.7	26.84S	26.71E	2	3.4L			¶97v3897
ISC		Poorly determined							
ISC	**V**	**23 11 16 30.0**±.72	**26.92S**±.081	**26.8E**±.12	**5**	**4.2b**		**15**	**1-149**
NEIC	V	23 11 16 29.6	26.94S	26.83E	5	4.5b			¶97v3946
EIDC	V	23 11 16 29.9	27.1S	27.1E	0	4.0b,4.0L			
PRE	V	23 11 16 30.4	26.84S	26.67E	2	4.1L			
NEIC		Less reliable solution.							
ISC	**V**	**23 16 13 49.3**±.95	**26.8S**±.10	**26.2E**±.14	**2**			**8**	**1-9**
PRE	V	23 16 13 52.9	26.85S	26.69E	2	4.0L			¶97v3971
PRE	**V**	**25 08 57 54.8**	**26.84S**	**26.74E**	**2**	**3.0L**			¶97v4248
PRE	**V**	**26 19 18 35.2**	**26.90S**	**26.60E**	**2**	**3.7L**			¶97v4454
PRE	**V**	**30 12 03 25.8**	**26.98S**	**26.71E**	**2**	**3.2L**			¶97v5031
ISC	**V**	**30 18 34 29**±1.4	**26.3S**±.11	**27.4E**±.13	**2**			**4**	**1-3**
PRE	V	30 18 34 29.4	26.38S	27.40E	2	3.1L			¶97v5076
ISC		Poorly determined							
ISC	**VI**	**05 17 34 35**±1.2	**26.9S**±.12	**26.9E**±.25	**2**			**4**	**1-2**
PRE	VI	05 17 34 36.5	26.91S	26.86E	2	3.2L			¶97vi0811
ISC		Poorly determined							
PRE	**VI**	**06 19 26 54.8**	**26.40S**	**27.42E**	**2**	**3.1L**			¶97vi0978
ISC	**VI**	**06 20 58 22**±1.0	**27.0S**±.10	**26.7E**±.16	**2**			**8**	**1-9**
PRE	VI	06 20 58 25.0	26.87S	26.72E	2	3.8L			¶97vi0995
ISC	**VI**	**08 19 56 29**±1.1	**26.44S**±.083	**27.5E**±.13	**2**			**5**	**1-5**
PRE	VI	08 19 56 29.9	26.39S	27.48E	2	3.4L			¶97vi1279
ISC	**VI**	**10 23 37 23**±1.1	**26.46S**±.091	**27.7E**±.15	**2**			**5**	**1-5**
PRE	VI	10 23 37 24.3	26.41S	27.66E	2	3.4L			¶97vi1586
PRE	**VI**	**11 16 43 33.8**	**27.85S**	**26.77E**	**2**	**3.3L**			¶97vi1724
ISC	**VI**	**11 22 31 32**±1.2	**26.7S**±.11	**26.8E**±.24	**2**			**4**	**1-2**
PRE	VI	11 22 31 33.1	26.74S	26.82E	2	3.0L			¶97vi1763
ISC		Poorly determined							
ISC	**VI**	**11 23 49 05**±1.1	**26.9S**±.11	**27.0E**±.22	**2**			**6**	**1-4**
PRE	VI	11 23 49 04.0	26.92S	26.82E	2	3.9L			¶97vi1772
PRE	**VI**	**14 18 31 10.2**	**26.91S**	**26.80E**	**2**	**3.1L**			¶97vi2157
EIDC	**VI**	**17 12 32 14.2**	**26.1S**	**29.0E**	**0**	4.0b,3.0L			**4-46**
									¶97vi2628
ISC	**VI**	**17 18 11 12**±1.9	**28.0S**±.15	**26.8E**±.34	**2**			**5**	**1-8**
PRE	VI	17 18 11 13.6	27.99S	26.68E	2	3.1L			¶97vi2675
ISC	**VI**	**18 03 57 45**±1.2	**26.36S**±.095	**27.6E**±.12	**2**			**5**	**1-6**
PRE	VI	18 03 57 43.3	26.36S	27.60E	2	3.0-L			¶97vi2722
PRE	**VI**	**18 14 07 31.0**	**26.75S**	**26.88E**	**2**	**3.2L**			¶97vi2795
ISC	**VI**	**19 11 07 33**±1.3	**26.32S**±.094	**27.9E**±.16	**2**			**5**	**1-3**
PRE	VI	19 11 07 38.1	26.35S	27.49E	2	3.0L			¶97vi2905
ISC	**VI**	**19 22 42 36.5**±.89	**26.88S**±.083	**26.79E**±.096	**2**			**8**	**1-7**
PRE	VI	19 22 42 36.7	26.92S	26.78E	2	3.7L			¶97vi2967
ISC	**VI**	**25 19 13 30**±1.2	**26.88S**±.094	**26.5E**±.17	**2**			**8**	**1-7**
PRE	VI	25 19 13 30.2	26.93S	26.61E	2	3.6L			¶97vi4012
PRE	**VI**	**26 17 24 43.0**	**26.45S**	**27.32E**	**2**	**3.0L**			¶97vi4174
PRE	**VI**	**27 13 23 05.1**	**26.42S**	**27.42E**	**2**	**3.0L**			¶97vi4300
ISC	**VI**	**28 03 35 29**±1.6	**26.44S**±.060	**27.4E**±.14	**17**±11	**4.1b**		**19**	**0-88**
PRE	VI	28 03 35 28.8	26.42S	27.33E	2	4.1L			¶97vi4410
EIDC	VI	28 03 35 29.7	26.2S	26.6E	0	4.2b,4.3L			
NEIC	VI	28 03 35 30.6	26.50S	27.33E	33				
NEIC		Poor solution.							
ISC	**VI**	**29 08 24 50**±1.4	**26.42S**±.062	**27.3E**±.14	**20**±10	**4.0b**		**21**	**1-141**
EIDC	VI	29 08 24 49.8	26.3S	27.0E	0	4.1b,4.1L			¶97vi4591
PRE	VI	29 08 24 50.1	26.43S	27.25E	2	4.1L			
NEIC	VI	29 08 24 51.9	26.43S	27.25E	33				
NEIC		Less reliable solution.							

PRE	**VI**	**29 12 17 14.7**	**26.44S**	**27.35E**	**2**	**3.4L**		**¶97vi4624**
ISC	**VI**	**29 15 24 02**±2.5	**26.4S**±.13	**27.3E**±.31	**2**		**4**	**1-3**
PRE	VI	29 15 24 02.6	26.38S	27.46E	2	3.5L		**¶97vi4638**
ISC		Poorly determined						

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ISC	**II**	**02 19 36 41**±3.1	**13.9S**±.24	**124.1E**±.19	**33**	3.8b	**9**	**8-24**
EIDC	II	02 19 36 31.3	13.1S	123.9E	0	4.1b,3.6L		**¶97ii0267**
ISC	**II**	**20 14 45 38**±4.1	**16.0S**±.36	**120.8E**±.25	**5**		**8**	**8-16**
AUST	II	20 14 45 43.6	15.95S	120.86E	5	3.5L		**¶97ii2942**
EIDC	**III**	**05 15 05 50.5**	**12.3S**	**111.3E**	**0**	**3.7b**		**23-34**
								¶97iii1079
EIDC	**III**	**21 20 58 54.6**	**12.4S**	**112.4E**	**0**	**3.2b**		**5-33**
								¶97iii4135
AUST	**V**	**21 11 58 52.9**	**14.90S**	**122.07E**	**5**	**3.2L**		**¶97v3558**
AUST	**VI**	**19 22 22 53.4**	**16.64S**	**120.70E**	**5**	**3.0L**		**¶97vi2963**

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ISC	**II**	**05 14 55 54.0**±.74	**29.9S**±.11	**123.24E**±.075	**10**		**11**	**2-14**
NEIC	II	05 14 55 53.9	29.94S	123.24E	10	3.6b		**¶97ii0707**
AUST	II	05 14 55 57.7	29.85S	123.27E	5	3.3L		
ISC	**II**	**06 13 56 13.0**±.65	**30.1S**±.11	**123.91E**±.065	**10**		**13**	**2-15**
NEIC	II	06 13 56 13.8	29.95S	123.99E	10	3.8b		**¶97ii0850**
AUST	II	06 13 56 17.2	30.13S	123.92E	5	3.3L		
NEIC		Poor solution.						
ISC	**II**	**22 08 48 37.6**±.80	**22.19S**±.087	**126.56E**±.070	**12**		**16**	**4-19**
NEIC	II	22 08 48 37.8	22.09S	126.48E	10	3.8b		**¶97ii3186**
AUST	II	22 08 48 40.1	21.76S	126.33E	12	3.8L		
NEIC		Poor solution.						
AUST	**III**	**03 03 05 47.5**	**16.59S**	**127.00E**	**5**	**3.3L**		**¶97iii0460**
ISC	**III**	**07 08 14 45**±1.1	**31.50S**±.097	**117.6E**±.12	**5**		**5**	**0-3**
NEIC	III	07 08 14 45.1	31.50S	117.59E	5			**¶97iii1470**
NEIC		Single network solution.						
ISC	**III**	**18 23 24 27**±7.1	**19.2S**±.58	**119.5E**±.31	**33**		**9**	**5-14**
AUST	III	18 23 25 28.0	19.01S	119.59E	5	3.3L		**¶97iii3604**
ISC	**III**	**20 16 50 29**±2.1	**31.4S**±.13	**117.7E**±.41	**10**±23		**5**	**0-3**
NEIC	III	20 16 50 29.1	31.44S	117.72E	10			**¶97iii3922**
ISC		Poorly determined						
NEIC		Single network solution.						
ISC	**III**	**26 16 40 26**±1.6	**31.43S**±.090	**117.8E**±.20	**13**±14		**6**	**0-5**
NEIC	III	26 16 40 25.6	31.42S	117.76E	10			**¶97iii5037**
NEIC		Single network solution.						
ISC	**III**	**27 03 52 33**±1.5	**31.40S**±.069	**117.77E**±.097	**10**±13		**9**	**0-9**
NEIC	III	27 03 52 33.1	31.40S	117.80E	10			**¶97iii5134**
AUST	III	27 03 52 35.2	31.47S	117.68E	5	3.2L		
NEIC		Single network solution.						
ISC	**III**	**27 06 14 17**±1.5	**31.43S**±.096	**117.9E**±.13	**14**±13		**7**	**0-9**
NEIC	III	27 06 14 16.2	31.41S	117.87E	10			**¶97iii5155**
AUST	III	27 06 14 18.8	31.48S	117.67E	5	3.3L		
NEIC		Single network solution.						
ISC	**III**	**27 07 58 04**±1.5	**31.42S**±.096	**117.9E**±.13	**13**±13		**7**	**0-9**
NEIC	III	27 07 58 03.2	31.41S	117.86E	10			**¶97iii5170**
NEIC		Single network solution.						
ISC	**III**	**27 16 58 17**±1.5	**31.44S**±.097	**117.9E**±.13	**14**±13		**7**	**0-9**
NEIC	III	27 16 58 16.4	31.42S	117.88E	10	4.6b		**¶97iii5265**
AUST	III	27 16 58 19.0	31.48S	117.68E	5	3.0L		
NEIC		Single network solution.						
ISC	**III**	**27 17 08 27**±3.3	**31.4S**±.12	**117.7E**±.43	**33**		**4**	**1-3**
ISC		Poorly determined						**¶97iii5268**
AUST	**IV**	**21 13 37 44.2**	**22.73S**	**113.90E**	**5**	**3.1L**		**¶97iv3489**
ISC	**IV**	**24 20 12 17**±1.4	**31.42S**±.082	**117.81E**±.083	**14**±12		**9**	**0-9**
NEIC	IV	24 20 12 16.2	31.40S	117.82E	10			**¶97iv4201**
AUST	IV	24 20 12 18.3	31.46S	117.67E	1	3.2L		
NEIC		Single network solution.						
ISC	**IV**	**24 23 06 39**±2.3	**31.4S**±.13	**117.7E**±.42	**13**±20		**5**	**0-3**
NEIC	IV	24 23 06 39.4	31.44S	117.69E	10			**¶97iv4228**
ISC		Poorly determined						
NEIC		Single network solution.						
ISC	**IV**	**25 00 39 41**±1.6	**31.4S**±.10	**117.7E**±.16	**13**±13		**6**	**0-37**
NEIC	IV	25 00 39 41.4	31.43S	117.69E	10			**¶97iv4244**
NEIC		Single network solution.						
ISC	**IV**	**25 03 24 14**±1.1	**31.5S**±.10	**117.6E**±.14	**10**		**5**	**0-3**
NEIC	IV	25 03 24 14.4	31.53S	117.64E	10			**¶97iv4271**
NEIC		Single network solution.						
ISC	**V**	**04 05 31 47**±5.5	**30.8S**±.17	**118.3E**±.55	**33**		**5**	**1-3**
								¶97v0571
ISC	**V**	**11 02 13 17**±1.8	**31.5S**±.11	**117.6E**±.24	**8**±27		**6**	**0-3**
NEIC	V	11 02 13 16.6	31.48S	117.64E	10			**¶97v1702**
ISC		Poorly determined						
NEIC		Less reliable solution.						
AUST	**V**	**18 08 35 52.3**	**23.74S**	**112.98E**	**5**	**3.0L**		**¶97v3054**
AUST	**VI**	**06 06 17 15.6**	**24.16S**	**125.81E**	**5**	**3.0L**		**¶97vi0892**
ISC	**VI**	**21 22 33 39**±1.2	**31.5S**±.10	**117.7E**±.15	**10**		**5**	**0-3**
NEIC	VI	21 22 33 38.5	31.52S	117.65E	10			**¶97vi3282**
NEIC		Less reliable solution.						
AUST	**VI**	**28 01 00 33.9**	**23.51S**	**114.47E**	**13**	**3.0L**		**¶97vi4390**

(591) Northern Territory, Australia.

ISC	**I**	**23 23 45 53**±1.3	**20.1S**±.15	**133.90E**±.095	**5**		**9**	**0-19**
AUST	I	23 23 45 55.9	19.91S	133.99E	5	3.5L		**¶97i3567**
EIDC	**III**	**14 09 30 32.7**	**20.1S**	**134.9E**	**0**	2.9L		**1-13**
								¶97iii2846
AUST	**IV**	**01 08 11 56.9**	**19.82S**	**134.00E**	**5**	**3.1L**		**¶97iv0037**
ISC	**VI**	**23 20 44 14.0**±.59	**23.32S**±.067	**131.78E**±.067	**19**		**19**	**2-17**
EIDC	VI	23 20 44 15.2	23.2S	131.8E	0	4.2L		**¶97vi3589**
AUST	VI	23 20 44 21.7	23.11S	131.87E	19	4.2L		

(592) South Australia.

EIDC	**I**	**14 04 59 58.1**	**30.6S**	**138.3E**	**0**	**2.7L**		**3-11**
								¶97i1957
EIDC	**I**	**16 15 41 52.4**	**29.1S**	**137.8E**	**0**	2.9L		**4-10**
								¶97i2331
EIDC	**I**	**23 21 00 01.7**	**29.6S**	**139.5E**	**0**	**2.4L**		**3-11**
								¶97i3549
ISC	**II**	**05 00 15 13.7**±.47	**28.76S**±.055	**139.22E**±.053	**10**		**19**	**4-20**
NEIC	II	05 00 15 13.6	28.76S	139.21E	10	4.3b		**¶97ii0611**
AUST	II	05 00 15 14.6	28.80S	139.12E	0	4.3L		
EIDC	II	05 00 15 17.5	28.8S	139.1E	20	4.2L		
ISC	**III**	**03 19 53 44.0**±.77	**27.28S**±.068	**134.8E**±.12	**19**		**8**	**4-10**
EIDC	III	03 19 53 44.0	27.1S	135.5E	0	3.5L		**¶97iii0680**
AUST	III	03 19 53 45.2	27.31S	134.69E	19	3.4L		
AUST	**IV**	**03 15 56 35.5**	**31.17S**	**138.48E**	**6**	**3.4L**		**¶97iv0451**

(594) Queensland.

AUST	**I**	**02 07 11 11.0**	**28.45S**	**148.85E**	**0**	**3.1L**		**¶97i0170**
AUST	**II**	**15 13 28 50.9**	**20.53S**	**146.36E**	**5**	**3.5L**		**¶97ii2241**
ISC	**V**	**27 04 12 42**±4.6	**22.3S**±.15	**147.9E**±.47	**33**		**4**	**3-13**
EIDC	V	27 04 12 39.7	22.1S	148.1E	0	3.5L		**¶97v4511**
ISC		Poorly determined						

(595) Coral Sea.

EIDC	**IV**	**21 13 36 00.2**	**16.5S**	**153.8E**	**0**	3.7L,4.0b		**19-93**
								¶97iv3486

(596) South of Solomon Islands.

EIDC	**I**	**31 17 50 24.6**	**17.0S**	**159.6E**	**0**	**3.6b**		**22-25**
								¶97i4657
EIDC	**IV**	**21 14 21 35.6**	**15.8S**	**159.1E**	**0**	**3.6b**		**23-25**
								¶97iv3500
EIDC	**IV**	**21 19 53 16.7**	**16.2S**	**160.9E**	**0**	**3.4b**		**23-26**
								¶97iv3565
EIDC	**IV**	**22 10 18 32.8**	**16.8S**	**158.7E**	**0**	**3.3b**		**13-24**
								¶97iv3696

(597) New Caledonia region.

EIDC	**I**	**10 02 08 00.4**	**22.4S**	**160.9E**	**0**	3.8b,3.7L		**14-25**
								¶97i1295
EIDC	**IV**	**10 06 44 56.9**	**22.1S**	**161.8E**	**0**	**3.2b**		**20-26**
								¶97iv1646
EIDC	**IV**	**10 15 43 51.2**	**17.2S**	**159.7E**	**0**	**3.7b**		**8-25**
								¶97iv1713
ISC	**IV**	**24 02 37 37**±2.2	**20.5S**±.40	**160.9E**±.37	**33**	**4.1b**	**6**	**21-94**
EIDC	IV	24 02 37 33.9	20.3S	160.8E	0	3.9b		**¶97iv4066**
ISC	**IV**	**28 15 13 12**±3.5	**21.8S**±.39	**159.7E**±.35	**33**	**3.8b**	**6**	**19-56**
EIDC	IV	28 15 13 06.2	21.4S	159.9E	0	3.9b,3.5L		**¶97iv4946**
EIDC	**V**	**06 09 34 22.6**	**21.2S**	**159.1E**	**0**	**4.1b**,3.5L		**19-139**
								¶97v0941
EIDC	**V**	**19 12 26 24.9**	**21.7S**	**162.0E**	**0**	**4.0b**		**21-26**
								¶97v3254
EIDC	**V**	**23 00 48 02.2**	**21.1S**	**159.3E**	**0**	3.7b,3.6L		**19-24**
								¶97v3853
EIDC	**V**	**23 07 28 39.2**	**21.1S**	**162.2E**	**23**	**3.6b**		**21-26**
								¶97v3909
EIDC	**VI**	**08 05 21 34.0**	**22.1S**	**163.2E**	**0**	**3.4b**		**22-27**
								¶97vi1181
EIDC	**VI**	**20 08 24 55.5**	**21.5S**	**161.7E**	**0**	**3.4b**		**21-26**
								¶97vi3028
EIDC	**VI**	**30 15 00 30.6**	**20.3S**	**161.9E**	**0**	**3.6b**		**21-26**
								¶97vi4776
EIDC	**VI**	**30 15 06 43.9**	**22.0S**	**161.6E**	**0**	**3.8b**		**5-26**
								¶97vi4779

(600) Near south coast of Australia.

ISC	**III**	**05 06 15 19.2**±.40	**33.71S**±.059	**138.97E**±.049	**23**	**4.8b**,4.1s	**69**	**3-152**
NEIC	III	05 06 15 17.2	33.68S	138.98E	10	4.8b		**¶97iii0997**
MOS	III	05 06 15 17.4	33.7S	138.9E	10	5.3b		
BJI	III	05 06 15 19.5	33.70S	138.90E	10	4.9b		
EIDC	III	05 06 15 21.3	33.7S	138.8E	21	4.5b,4.9L		
AUST	III	05 06 15 21.4	33.82S	138.97E	23	5.0L		
ISC	**III**	**05 07 53 46**±1.4	**33.5S**±.18	**138.97E**±.091	**23**		**7**	**3-14**
AUST	III	05 07 53 45.5	33.82S	139.07E	23	3.1L		**¶97iii1012**
NEIC	III	05 07 53 45.8	33.34S	139.12E	10	4.0b		
NEIC		Less reliable solution.						
ISC	**III**	**15 15 07 35**±1.3	**33.5S**±.17	**139.1E**±.10	**22**		**9**	**3-14**
EIDC	III	15 15 07 32.9	33.8S	138.8E	0	3.5L		**¶97iii3065**
AUST	III	15 15 07 36.3	33.81S	139.01E	22	3.5L		
ISC	**IV**	**12 20 16 38**±4.3	**34.4S**±.57	**139.1E**±.14	**5**		**4**	**3-10**
AUST	IV	12 20 16 42.5	33.81S	139.10E	5	3.3L		**¶97iv2121**
ISC		Poorly determined						
ISC	**V**	**03 22 54 14**±1.2	**33.5S**±.13	**138.61E**±.097	**5**		**10**	**2-20**
EIDC	V	03 22 54 12.1	33.9S	138.3E	0	3.9L		**¶97v0512**
NEIC	V	03 22 54 16.7	33.53S	138.62E	33	4.8b		
AUST	V	03 22 54 17.0	33.74S	138.62E	5	3.3L		
NEIC		Less reliable solution.						

(601) New South Wales.

ISC	**V**	**17 16 24 44**±1.4	**30.1S**±.19	**143.5E**±.14	**10**		**4**	**2-7**
AUST	V	17 16 24 45.8	29.98S	143.37E	10	3.1L		**¶97v2957**
ISC		Poorly determined						

(602) Victoria.

ISC	**VI**	**27 03 20 27**±6.6	**36.9S**±.66	**145.8E**±.13	**18**		**6**	**3-20**
AUST	VI	27 03 20 27.9	36.75S	145.96E	18	3.8L		**¶97vi4229**
EIDC	VI	27 03 20 37.7	35.3S	146.3E	0	3.9L		

(603) Near south-east coast of Australia.

AUST	**I**	**20 11 03 21.9**	**38.46S**	**144.89E**	**10**	**3.5L**		**¶97i2991**
AUST	**V**	**04 22 33 18.2**	**38.17S**	**145.96E**	**12**	**3.0L**		**¶97v0702**

(605) East of Australia.

ISC	**I**	**19 19 06 41**±3.9	**24.4S**±.47	**155.8E**±.42	**5**	3.9b	**7**	**10-70**
AUST	I	19 19 06 43.8	24.47S	155.85E	5	3.5L		**¶97i2875**
EIDC	I	19 19 06 49.3	23.3S	155.2E	0	3.8L,3.8b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**21 17 27 38**±1.8	**20.3S**±.21	**151.0E**±.20	**33**	3.9b	**5**	**14-97**
EIDC	IV	21 17 27 34.9	20.2S	151.0E	0	3.6L,4.3b		¶97iv3545
ISC	**IV**	**23 05 17 35**±6.1	**18.9S**±.80	**152.6E**±.72	**33**	**4.4b**	**5**	**17-85**
EIDC	IV	23 05 17 26.8	19.7S	153.2E	0	4.4b,3.1L		¶97iv3900
AUST	**V**	**28 17 55 45.0**	**23.91S**	**153.34E**	**10**	**3.5L**		¶97v4754

(606) Norfolk Island region.

EIDC	**III**	**11 10 39 38.3**	**28.5S**	**172.4E**	**0**	**3.8b**		**35-159**
								¶97iii2360

(607) North-west of New Zealand.

ISC	**IV**	**06 13 05 00**±10	**35.3S**±.53	**168.8E**±.76	**33**		**6**	**4-8**
								¶97iv0999

Seismic Region 39. Pacific Basin.

(611) North Pacific Ocean.

EIDC	**I**	**06 07 50 23.0**	**27.8N**	**146.2E**	**0**	**3.4b**		**49-70**
								¶97i0760
EIDC	**I**	**07 11 54 44.2**	**38.4N**	**148.7E**	**0**	**3.3b**		**31-60**
								¶97i0915
EIDC	**I**	**22 16 14 16.6**	**17.5N**	**150.1E**	**0**	**3.5b**		**40-77**
								¶97i3349
EIDC	**II**	**27 11 38 54.4**	**41.1N**	**160.8E**	**0**	**3.7b**		**38-75**
								¶97ii3952
EIDC	**III**	**06 17 01 40.5**	**25.7N**	**145.9E**	**0**	**3.7b**		**47-57**
								¶97iii1316
EIDC	**IV**	**17 12 31 38.7**	**25.0N**	**151.5E**	**0**	**3.4b**		**24-70**
								¶97iv2897
ISC	**IV**	**24 00 52 11.5**±.91	**22.0N**±.12	**146.1E**±.27	**33**	**3.8b**	**8**	**22-147**
NEIC	IV	24 00 52 11.4	22.04N	146.03E	33	4.3b		¶97iv4051
EIDC	IV	24 00 52 15.6	22.0N	145.9E	50	3.4b		
NEIC	Poor solution.							
EIDC	**V**	**02 05 44 12.2**	**41.8N**	**150.4E**	**0**	**3.8b**		**29-82**
								¶97v0209
EIDC	**V**	**09 02 08 21.3**	**17.1N**	**154.7E**	**0**	**3.9b**		**24-91**
								¶97v1345
ISC	**VI**	**15 02 17 12**±1.5	**22.2N**±.20	**146.9E**±.39	**33**	**3.6b**	**4**	**22-74**
EIDC	VI	15 02 17 08.8	22.2N	147.0E	0	3.6b		¶97vi2211
ISC	Poorly determined							
ISC	**VI**	**16 22 43 54**±2.0	**40.58N**±.065	**134.58W**±.065	**20**±13	**4.8b,4.4s**	**199**	**9-151**
NEIC	VI	16 22 43 51.0	40.49N	134.65W	10	5.0b,4.4s		¶97vi2519
BJI	VI	16 22 43 51.3	40.82N	134.78W	5	5.0b		
MOS	VI	16 22 43 52.7	40.7N	134.6W	10	5.3b,4.2s		
HRVD	VI	16 22 43 56.6±.9	40.91N±.07	134.86W±.06	15			
EIDC	VI	16 22 43 56.7	40.7N	134.6W	29	4.4b,4.2L		
NEIC	Mw5.2(HRV).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s33,c55; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−5.19±.29; $M_{\theta\theta}$4.85±.25; $M_{\phi\phi}$0.34±.44; $M_{r\theta}$−2.62±1.09; $M_{r\phi}$−0.38±.88; $M_{\theta\phi}$2.43±.31. Principal Axes: T 6.47,Plg13°,Azm158°; N −0.63,Plg7°,Azm249°; P −5.84,Plg75°,Azm8°. Best double couple: $M_0$6.2×10^{16}Nm, NP1: ϕ_s238°,δ33°,λ−103°. NP2:ϕ_s74°,δ58°,λ−82°.

(613) Hawaiian Islands.

ISC	**II**	**03 04 55 39**±2.9	**20.1N**±.17	**155.8W**±.37	**47**±26		**6**	**0-3**
NEIC	II	03 04 55 42.3	20.13N	155.77W	23			¶97ii0322
NEIC	M_D3.5(HVO). Felt, After HVO.							
NEIC	Felt at Captain Cook, Hawaiian Ocean View Estates, Hawi and Kona Palisades. Also felt in the Hamakua District.							
NEIC	**II**	**03 09 56 19.7**	**19.75N**	**156.14W**	**12**			**0-1**
NEIC	M_D3.7(HVO). Felt, After HVO.							¶97ii0359
NEIC	Felt at Kona Palisades.							
ISC	**III**	**16 14 19 00.7**±.54	**19.54N**±.077	**155.29W**±.062	**8**	**4.1b**	**26**	**1-155**
EIDC	III	16 14 19 00.4	19.4N	155.1W	0	4.0b		¶97iii3235
NEIC	III	16 14 19 01.1	19.36N	155.08W	8	4.2b		
NEIC	M_D4.4(HVO). Felt, After HVO.							
NEIC	Felt at Hilo and Volcano. Also felt in the Puna and Kau Districts.							
ISC	**VI**	**30 15 47 39.6**±.36	**19.34N**±.035	**155.12W**±.023	**14**±2.0	**5.3b,5.0s**	**247**	**0-174**
BJI	VI	30 15 47 37.8	19.36N	155.13W	9	5.6b,5.4s		¶97vi4785
EIDC	VI	30 15 47 38.3	19.3N	155.1W	0	5.1b,5.0s		
MOS	VI	30 15 47 38.7	19.4N	155.1W	10	5.6b,4.9s		
NEIC	VI	30 15 47 39.5	19.36N	155.07W	8	5.3b,5.0s		
HRVD	VI	30 15 47 45.2±.3	19.23N±.04	154.92W±.04	15			
NEIC	Mw5.7(HRV). Damage, After HVO.							
NEIC	Slight damage and temporary power outages occurred in the Hilo and Puna areas. Felt throughout the island of Hawaii. M_0=3.7×10^{17}Nm (PPT).							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c67; Mantle waves: s3,c4; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.71±.06; $M_{\theta\theta}$−0.58±.06; $M_{\phi\phi}$−0.13±.07; $M_{r\theta}$2.73±.13; $M_{r\phi}$2.37±.13; $M_{\theta\phi}$−0.75±.06. Principal Axes: T 3.52,Plg52°,Azm317°; N 0.42,Plg2°,Azm49°; P −3.94,Plg38°,Azm141°. Best double couple: $M_0$3.7×10^{17}Nm, NP1:ϕ_s243°,δ7°,λ104°. NP2:ϕ_s49°,δ83°,λ88°.

(614) Caroline Islands region.

ISC	**I**	**19 00 30 02.4**±.64	**4.07N**±.098	**151.1E**±.18	**33**	**4.1b**,3.6s	**15**	**24-140**
EIDC	I	19 00 29 58.6	4.0N	151.4E	0	4.1b,3.5s		¶97i2749
ISC	**I**	**30 08 50 56.7**±.61	**8.31N**±.054	**145.6E**±.16	**33**	**4.3b**	**30**	**5-147**
EIDC	I	30 08 50 54.0	8.3N	145.8E	0	4.2b		¶97i4453
BJI	I	30 08 50 56.6	8.24N	145.67E	33	4.9b		
NEIC	I	30 08 50 56.6	8.35N	145.55E	33	4.4b		
NEIC	Less reliable solution.							
EIDC	**III**	**12 16 53 10.4**	**6.3N**	**143.7E**	**0**	**3.4b**		**28-58**
								¶97iii2557
EIDC	**III**	**26 00 11 54.1**	**5.3N**	**149.5E**	**0**	**3.6b**		**29-74**
								¶97iii4816
ISC	**IV**	**01 13 15 57**±1.6	**0.6N**±.44	**147.2E**±.79	**33**	**3.3b**	**4**	**24-79**
EIDC	IV	01 13 15 54.2	0.6N	147.2E	0	3.2b		¶97iv0073
ISC	Poorly determined							
ISC	**IV**	**24 08 11 55**±1.3	**11.9N**±.32	**151.0E**±.69	**33**	**4.3b**	**6**	**36-68**
EIDC	IV	24 08 11 52.3	12.5N	149.7E	0	4.1b		¶97iv4106
EIDC	**IV**	**24 12 43 31.4**	**7.7N**	**149.7E**	**0**	**3.8b**		**31-36**
								¶97iv4146
ISC	**IV**	**24 17 42 34**±1.4	**4.9N**±.49	**158.0E**±.71	**33**	**4.2b**	**7**	**10-84**
EIDC	IV	24 17 42 30.6	4.8N	158.3E	0	3.9b		¶97iv4189
EIDC	**IV**	**27 09 55 00.0**	**4.2N**	**145.3E**	**0**	**3.7b**		**26-77**
								¶97iv4704
ISC	**V**	**06 11 40 08**±1.6	**3.6N**±.21	**147.8E**±.60	**33**	**3.6b**	**5**	**27-76**
EIDC	V	06 11 40 04.0	3.5N	148.2E	0	3.6b		¶97v0958
EIDC	**VI**	**19 22 48 27.3**	**4.3N**	**143.5E**	**0**	**3.9b**		**26-36**
								¶97vi2969

(618) Kiribati (Gilbert Islands) region.

EIDC	**I**	**25 01 38 48.1**	**2.8S**	**178.0E**	**0**	**3.6b**		**46-82**
								¶97i3718

(623) Tuvalu (Ellice Islands) region.

EIDC	**IV**	**07 17 50 56.7**	**8.3S**	**178.3E**	**0**	**3.4b**		**44-70**
								¶97iv1200

(626) Northern Cook Islands.

ISC	**IV**	**14 22 45 08**±1.3	**14.4S**±.32	**157.8W**±.28	**33**	**4.2b**	**5**	**54-66**
EIDC	IV	14 22 45 05.8	14.3S	157.8W	0	4.2b		¶97iv2522

(627) Cook Islands region.

EIDC	**II**	**02 13 43 47.6**	**16.3S**	**161.5W**	**0**	**3.7b**		**54-127**
								¶97ii0230
EIDC	**IV**	**01 19 56 39.8**	**16.5S**	**162.2W**	**0**	**3.9b**		**53-60**
								¶97iv0134
EIDC	**IV**	**17 09 17 47.9**	**21.2S**	**162.8W**	**0**	**3.5b**		**58-87**
								¶97iv2874
ISC	**IV**	**17 10 29 44**±1.0	**19.4S**±.30	**165.3W**±.26	**33**	**3.7b**	**5**	**56-77**
EIDC	IV	17 10 29 40.9	19.3S	165.2W	0	3.7b		¶97iv2885
EIDC	**VI**	**10 14 49 26.1**	**18.8S**	**158.3W**	**0**	**4.0b**		**55-63**
								¶97vi1538

(632) South Pacific Ocean.

ISC	**I**	**28 16 30 18.2**±.32	**27.63S**±.076	**136.2W**±.10	**10**	**5.2b,4.5s**	**183**	**55-166**
BJI	I	28 16 30 18.2	27.60S	136.20W	10			¶97i4225
NEIC	I	28 16 30 18.2	27.63S	136.16W	10	5.2b,4.5s		
EIDC	I	28 16 30 21.6	27.6S	136.2W	21	4.7b,4.4s		
MOS	I	28 16 30 21.9	26.8S	137.3W	10	5.6b		
ISC	**II**	**22 08 20 45.1**±.66	**15.8S**±.11	**124.7W**±.14	**10**	**4.7b,4.1s**	**46**	**49-150**
NEIC	II	22 08 20 44.8	15.77S	124.67W	10	4.7b		¶97ii3185
EIDC	II	22 08 20 45.0	15.7S	124.8W	0	4.6b,4.1s		
NEIC	Less reliable solution.							
ISC	**II**	**27 21 48 39.3**±.77	**36.3S**±.18	**122.2W**±.21	**10**	**4.5b**	**10**	**52-89**
EIDC	II	27 21 48 38.8	36.4S	122.4W	0	4.2b		¶97ii4025
ISC	Unusual position							
EIDC	**II**	**28 13 13 52.2**	**38.0S**	**173.2W**	**0**	**4.0b**		**10-49**
								¶97ii4256
EIDC	**III**	**02 09 54 41.2**	**37.6S**	**173.7W**	**0**	**4.2b**		**37-99**
								¶97iii0276
ISC	**III**	**05 01 33 35**±1.1	**52.0S**±.35	**129.5W**±.31	**10**	**4.6b**	**12**	**59-157**
EIDC	III	05 01 33 30.5	52.8S	130.4W	0	4.4b		¶97iii0959
EIDC	**III**	**14 13 29 47.9**	**29.5S**	**167.8W**	**0**	**3.9b**		**43-53**
								¶97iii2885
EIDC	**III**	**14 15 08 26.6**	**28.9S**	**169.0W**	**0**	**3.9b**		**42-52**
								¶97iii2904
EIDC	**V**	**21 20 56 05.8**	**3.9S**	**169.1E**	**32**	**3.4b**		**37-89**
								¶97v3606
ISC	**VI**	**13 19 40 40**±1.5	**51.4S**±.33	**136.6W**±.61	**10**	**4.0b**,3.8s	**5**	**60-116**
EIDC	VI	13 19 40 40.2	51.3S	136.4W	0	3.7s,3.6b		¶97vi2034
ISC	Poorly determined							

Seismic Region 40. Arctic Zone.

(636) Eastern Greenland.

ISC	**I**	**25 15 18 21.7**±.79	**78.6N**±.14	**19.3W**±.56	**10**	**3.5b**	**10**	**2-60**
NEIC	I	25 15 18 21.7	78.60N	19.22W	10	3.0b		¶97i3828
EIDC	I	25 15 18 22.0	78.6N	19.4W	0	3.4b,3.5L		
NEIC	Less reliable solution.							

(637) Iceland region.

ISC	**I**	**06 10 58 27**±7.9	**62.20N**±.092	**26.3W**±.16	**8**±49	**4.0b,3.8s**	**28**	**3-89**
EIDC	I	06 10 58 26.7	62.1N	26.0W	0	3.8b,4.4L		¶97i0777
NEIC	I	06 10 58 26.9	62.18N	26.31W	10	4.2b,3.8s		
ISC	**I**	**06 11 22 27**±9.0	**62.4N**±.10	**26.4W**±.15	**2**±56	**4.0b**,4.0s	**27**	**3-89**
EIDC	I	06 11 22 27.2	62.2N	26.2W	0	3.8b,4.3L		¶97i0781
NEIC	I	06 11 22 28.2	62.40N	26.36W	10	4.3b		
NEIC	Less reliable solution.							
ISC	**I**	**06 11 27 40.0**±.39	**62.13N**±.076	**26.4W**±.11	**10**	**4.2b,4.2s**	**59**	**3-139**
MOS	I	06 11 27 39.6	62.1N	26.5W	10	4.1s		¶97i0782
NEIC	I	06 11 27 40.0	62.19N	26.41W	10	4.4b		
EIDC	I	06 11 27 40.3	62.3N	26.3W	0	3.9b,4.9L		
ISC	**I**	**06 12 35 08.3**±.52	**62.2N**±.11	**26.5W**±.14	**10**	**3.9b**,3.8s	**22**	**3-89**
NEIC	I	06 12 35 08.1	62.18N	26.53W	10	4.3b,3.8s		¶97i0783
EIDC	I	06 12 35 09.9	62.6N	26.8W	0	3.7b,3.9L		
NEIC	Less reliable solution.							
ISC	**I**	**06 12 58 29.9**±.43	**62.20N**±.084	**26.3W**±.12	**10**	**3.9b**,3.9s	**35**	**3-139**
NEIC	I	06 12 58 29.6	62.20N	26.26W	10	4.1b		¶97i0786
EIDC	I	06 12 58 30.0	62.3N	26.4W	0	3.8b,4.0L		
ISC	**I**	**17 04 29 02.2**±.41	**68.84N**±.057	**17.0W**±.15	**10**	**4.3b,3.4s**	**64**	**4-67**
NEIC	I	17 04 29 01.9	68.83N	17.04W	10	4.3b		¶97i2398
EIDC	I	17 04 29 02.5	68.8N	17.0W	0	4.0b,4.2L		
ISC	**II**	**23 00 35 47.3**±.55	**63.94N**±.073	**22.0W**±.18	**10**	**3.7b**	**23**	**1-65**
NEIC	II	23 00 35 47.1	63.91N	21.97W	10	3.9b		¶97ii3272
EIDC	II	23 00 35 47.8	64.0N	22.2W	0	3.5b,3.5L		
ISC	**II**	**25 16 34 47.7**±.44	**63.19N**±.095	**24.6W**±.14	**10**	**4.1b**,3.5s	**27**	**13-81**
NEIC	II	25 16 34 47.5	63.16N	24.65W	10	4.4b		¶97ii3662
EIDC	II	25 16 34 48.4	63.3N	24.7W	0	3.8b,3.5L		
ISC	**III**	**01 17 29 27.2**±.70	**62.5N**±.12	**26.0W**±.23	**10**	**3.8b**	**18**	**3-66**
NEIC	III	01 17 29 27.3	62.48N	26.02W	10	4.2b		¶97iii0151
EIDC	III	01 17 29 27.5	62.5N	26.0W	0	3.6b,3.9L		
NEIC	Less reliable solution.							

ISC	**VI**	**02 18 16 37.4**±.46	**68.26N**±.080	**18.8W**±.15	**10**	**3.9b**	**29**	**12-83**
NEIC	VI	02 18 16 36.8	68.24N	18.74W	10			**¶97vi0275**
MOS	VI	02 18 16 37.4	68.1N	19.1W	10	4.4b		
EIDC	VI	02 18 16 37.4	68.2N	18.7W	0	3.7b,3.8L		
ISC	**VI**	**02 18 18 10.7**±.52	**68.31N**±.074	**18.4W**±.17	**10**	**4.0b,3.6s**	**30**	**14-132**
NEIC	VI	02 18 18 10.4	68.31N	18.34W	10			**¶97vi0278**
EIDC	VI	02 18 18 10.5	68.3N	18.4W	0	3.8b,3.6L		
MOS	VI	02 18 18 10.7	68.3N	18.6W	10	4.7b		
ISC	**VI**	**02 18 55 09.0**±.48	**68.28N**±.069	**18.9W**±.17	**10**	**4.0b,3.8s**	**31**	**9-132**
NEIC	VI	02 18 55 09.0	68.30N	18.95W	10	4.5b		**¶97vi0287**
MOS	VI	02 18 55 09.1	68.4N	18.7W	10	4.6b		
EIDC	VI	02 18 55 09.3	68.2N	19.1W	0	3.9b,3.9s		

(638) Iceland.

ISC	**I**	**03 00 51 20.2**±.59	**64.1N**±.12	**18.1W**±.22	**10**	**3.8b,3.3s**	**23**	**7-64**
NEIC	I	03 00 51 20.0	64.09N	18.11W	10	4.2b,3.5s		**¶97i0294**
EIDC	I	03 00 51 21.1	64.2N	18.2W	0	3.5b,3.1s		
NEIC	Less reliable solution.							
ISC	**II**	**09 02 07 54.0**±.69	**64.52N**±.093	**18.0W**±.17	**10**	**4.0b**,3.6s	**30**	**1-53**
NEIC	II	09 02 07 53.5	64.34N	17.81W	10			**¶97ii1239**
EIDC	II	09 02 07 54.2	64.6N	17.9W	0	3.2b,3.4L		
NEIC	Less reliable solution.							
ISC	**II**	**23 08 45 02.6**±.51	**64.01N**±.078	**22.0W**±.18	**10**	**3.8b**	**21**	**1-65**
NEIC	II	23 08 45 02.4	63.99N	21.93W	10	4.0b		**¶97ii3310**
EIDC	II	23 08 45 02.9	64.0N	22.1W	0	3.6b		
ISC	**III**	**07 04 39 12.0**±.81	**65.7N**±.12	**18.0W**±.23	**10**	**3.7b**	**7**	**2-53**
EIDC	III	07 04 39 11.2	65.8N	18.2W	0	3.5L,3.6b		**¶97iii1441**
NEIC	III	07 04 39 12.0	65.69N	18.00W	10	3.0b		
NEIC	Less reliable solution.							
ISC	**IV**	**12 23 04 44.3**±.49	**64.02N**±.083	**21.4W**±.20	**10**	**3.9b**,3.6s	**34**	**1-65**
NEIC	IV	12 23 04 44.0	64.03N	21.36W	10	4.1b		**¶97iv2151**
EIDC	IV	12 23 04 44.4	64.1N	21.3W	0	3.7b		
ISC	**IV**	**19 16 08 18.9**±.46	**64.33N**±.082	**17.7W**±.16	**10**	**4.1b**,3.9s	**41**	**12-145**
NEIC	IV	19 16 08 18.7	64.34N	17.75W	10	4.3b,3.9s		**¶97iv3218**
EIDC	IV	19 16 08 19.9	64.5N	17.7W	0	3.6b,3.8L		

(639) Jan Mayen Island region.

ISC	**I**	**01 08 19 39**±1.0	**71.5N**±.15	**12.5W**±.30	**33**		**6**	**1-18**
								¶97i0042
BER	**I**	**01 15 04 22.1**	**71.0N**	**7.2W**	**12**			**¶97i0083**
BER	**I**	**02 06 40 22.8**	**70.9N**	**9.2W**	**20**			**¶97i0167**
BER	**I**	**02 21 25 38.4**	**71.5N**	**8.7W**	**15**			**¶97i0274**
ISC	**I**	**04 07 54 51.9**±.79	**71.34N**±.062	**8.2W**±.26	**10**	3.5b	**11**	**0-37**
NEIC	I	04 07 54 52.4	71.49N	7.75W	10			**¶97i0496**
EIDC	I	04 07 54 53.0	71.4N	8.0W	0	3.7L,3.5b		
NEIC	Less reliable solution.							
BER	**I**	**04 09 35 49.5**	**71.2N**	**8.6W**	**16**			**¶97i0516**
BER	**I**	**04 12 58 45.0**	**71.2N**	**8.3W**	**20**			**¶97i0539**
BER	**I**	**05 00 30 36.1**	**71.4N**	**9.1W**	**15**			**¶97i0601**
BER	**I**	**07 00 07 46.9**	**71.2N**	**8.2W**	**18**			**¶97i0855**
BER	**I**	**07 14 34 30.0**	**71.3N**	**8.5W**	**0**			**¶97i0933**
BER	**I**	**08 18 29 56.3**	**71.1N**	**8.3W**	**20**			**¶97i1099**
BER	**I**	**08 22 17 06.3**	**71.8N**	**11.9W**	**15**			**¶97i1125**
BER	**I**	**11 07 17 09.8**	**71.1N**	**6.2W**	**8**	**3.2L,3.8D**		**¶97i1486**
BER	**I**	**11 20 08 42.9**	**71.3N**	**7.3W**	**15**			**¶97i1571**
BER	**I**	**12 05 44 13.5**	**71.1N**	**7.5W**	**15**			**¶97i1628**
ISC	**I**	**13 15 19 03.0**±.31	**71.52N**±.039	**5.0W**±.13	**10**	**4.3b**,3.6s	**78**	**1-127**
NEIC	I	13 15 19 03.0	71.54N	4.71W	10	4.4b		**¶97i1858**
EIDC	I	13 15 19 03.0	71.4N	4.7W	0	3.8b,4.5L		
BER	I	13 15 19 05.7	71.3N	5.3W	0			
BER	**I**	**17 06 56 30.4**	**71.5N**	**6.6W**	**18**			**¶97i2412**
BER	**I**	**17 08 14 15.9**	**71.2N**	**6.6W**	**15**			**¶97i2418**
ISC	**I**	**19 09 34 01.0**±.82	**71.33N**±.064	**8.2W**±.27	**10**	3.2b	**9**	**0-37**
NEIC	I	19 09 34 01.9	71.52N	7.69W	10			**¶97i2814**
EIDC	I	19 09 34 02.3	71.4N	8.0W	0	3.4L,3.2b		
BER	I	19 09 34 02.9	71.2N	8.2W	18	3.5L,3.0D		
NEIC	Less reliable solution.							
BER	**I**	**19 12 50 50.7**	**71.4N**	**9.3W**	**18**	**2.5D**		**¶97i2842**
BER	**I**	**30 16 15 11.4**	**70.7N**	**6.3W**	**18**	**1.8D**		**¶97i4512**
BER	**II**	**03 04 26 20.5**	**70.8N**	**8.7W**	**29**	**2.3L,1.5D**		**¶97ii0316**
ISC	**II**	**05 23 16 16**±1.4	**71.44N**±.072	**9.4W**±.50	**10**		**9**	**1-17**
NEIC	II	05 23 16 15.2	71.37N	9.59W	10			**¶97ii0764**
BER	II	05 23 16 19.8	71.2N	9.5W	0	3.2L,3.6D		
EIDC	II	05 23 16 21.3	71.4N	8.1W	0	3.6L		
NEIC	Less reliable solution.							
BER	**II**	**20 06 37 56.1**	**71.1N**	**7.4W**	**16**	**2.1L,1.8D**		**¶97ii2890**
BER	**II**	**20 13 22 31.0**	**71.3N**	**9.0W**	**28**	**2.4L,2.4D**		**¶97ii2934**
BER	**II**	**27 22 57 52.4**	**71.3N**	**7.3W**	**14**	**2.1D**		**¶97ii4053**
BER	**III**	**15 01 05 07.2**	**71.2N**	**8.2W**	**18**	**1.6L,0.8D**		**¶97iii2973**
BER	**III**	**16 06 16 51.1**	**71.5N**	**10.0W**	**18**			**¶97iii3178**
BER	**III**	**16 10 30 17.9**	**70.5N**	**7.7W**	**15**	**2.3D**		**¶97iii3208**
BER	**III**	**18 06 07 25.0**	**71.1N**	**7.5W**	**18**	**1.9L,1.6D**		**¶97iii3495**
BER	**III**	**18 12 15 21.3**	**71.4N**	**6.5W**	**15**	**2.1L,2.0D**		**¶97iii3531**
BER	**III**	**18 12 54 36.1**	**71.1N**	**7.5W**	**25**	**1.9L,1.6D**		**¶97iii3535**
BER	**III**	**19 04 30 46.7**	**71.4N**	**9.4W**	**0**	**2.0L,1.0D**		**¶97iii3629**
BER	**III**	**21 02 47 44.0**	**71.1N**	**6.5W**	**9**	**2.1L,1.6D**		**¶97iii3987**
BER	**III**	**21 10 47 58.8**	**71.2N**	**8.6W**	**17**	**2.3L,2.1D**		**¶97iii4058**
BER	**III**	**21 22 24 01.5**	**70.5N**	**7.3W**	**12**	**2.0L,1.6D**		**¶97iii4144**
BER	**III**	**22 13 40 10.9**	**71.0N**	**6.8W**	**0**	**2.7L,2.2D**		**¶97iii4273**
BER	**III**	**22 16 20 21.5**	**71.5N**	**10.1W**	**15**	**2.5L,2.2D**		**¶97iii4292**
BER	**IV**	**05 14 39 57.5**	**71.2N**	**8.1W**	**16**	**1.4L,1.7D**		**¶97iv0790**
BER	**IV**	**13 18 57 04.5**	**71.6N**	**10.0W**	**17**	**3.2L,2.6D**		**¶97iv2283**
BER	**IV**	**21 16 58 16.5**	**72.0N**	**9.5W**	**10**	**3.1L,2.8D**		**¶97iv3539**
BER	**IV**	**28 06 34 53.8**	**71.1N**	**6.6W**	**12**	**2.6L,2.1D**		**¶97iv4865**
ISC	**IV**	**28 20 45 12**±1.1	**71.7N**±.20	**1.5W**±.49	**10**	3.3b	**5**	**9-66**
EIDC	IV	28 20 45 12.7	71.6N	1.9W	0	3.5L,3.3b		**¶97iv4977**
BER	**IV**	**28 22 01 15.0**	**71.1N**	**7.4W**	**16**	**2.2L,2.0D**		**¶97iv4983**
BER	**IV**	**28 22 05 12.7**	**71.1N**	**7.4W**	**13**	**1.5D**		**¶97iv4984**
BER	**IV**	**29 08 40 10.3**	**71.0N**	**7.0W**	**13**	**2.7L,2.2D**		**¶97iv5047**
BER	**IV**	**29 08 47 50.1**	**71.3N**	**7.2W**	**14**	**2.8L,2.0D**		**¶97iv5050**
BER	**IV**	**29 09 53 36.1**	**70.9N**	**7.1W**	**0**	**2.5L,1.7D**		**¶97iv5055**
BER	**IV**	**29 10 20 03.4**	**71.1N**	**7.1W**	**15**	**3.1L,2.7D**		**¶97iv5057**
BER	**IV**	**30 09 38 46.3**	**71.0N**	**7.1W**	**14**	**2.0D**		**¶97iv5194**
BER	**IV**	**30 09 44 13.7**	**71.2N**	**7.1W**	**16**	**3.1L,2.5D**		**¶97iv5195**
BER	**IV**	**30 11 08 55.9**	**71.2N**	**7.1W**	**16**	**2.9L,2.3D**		**¶97iv5205**
BER	**V**	**01 16 53 48.7**	**71.0N**	**7.0W**	**11**	**3.0L,2.4D**		**¶97v0126**
BER	**V**	**02 07 19 30.4**	**71.2N**	**6.6W**	**15**	**3.3L,2.6D**		**¶97v0224**
BER	**V**	**02 17 13 26.3**	**71.1N**	**7.0W**	**13**	**2.0D**		**¶97v0302**
ISC	**V**	**03 11 58 13.0**±.57	**71.0N**±.11	**6.1W**±.18	**10**	**3.5b**,4.0s	**14**	**1-68**
NEIC	V	03 11 58 13.1	70.81N	6.46W	10			**¶97v0430**
EIDC	V	03 11 58 13.5	70.9N	6.1W	0	3.4b,3.8L		
NEIC	Less reliable solution.							
BER	**V**	**06 21 52 58.0**	**71.2N**	**8.2W**	**6**	**1.4D**		**¶97v1015**
ISC	**V**	**12 08 48 24**±1.3	**71.41N**±.082	**8.7W**±.41	**10**	3.0b	**8**	**0-37**
EIDC	V	12 08 48 24.9	71.3N	9.0W	0	3.6L,3.0b		**¶97v1925**
BER	**V**	**13 02 42 41.0**	**71.0N**	**6.9W**	**0**	**2.7L,2.6D**		**¶97v2114**
ISC	**V**	**16 14 31 21.1**±.20	**71.73N**±.029	**1.6W**±.10	**10**	**4.5b,4.2s**	**115**	**2-146**
BJI	V	16 14 31 20.8	71.70N	1.70W	10	4.7b,4.7s		**¶97v2789**
NEIC	V	16 14 31 20.8	71.76N	1.67W	10	4.5b,4.1s		
EIDC	V	16 14 31 21.0	71.7N	1.8W	0	4.3b,4.2L		
MOS	V	16 14 31 21.3	71.8N	1.8W	10	4.9b,4.1s		
BER	V	16 14 31 26.6	71.8N	1.7W	10			
BER	**V**	**20 07 03 54.4**	**71.1N**	**8.6W**	**22**	**2.5L,2.7D**		**¶97v3370**
BER	**V**	**20 07 05 50.9**	**71.2N**	**8.6W**	**19**	**1.4L,1.3D**		**¶97v3371**
BER	**V**	**21 00 21 18.7**	**71.2N**	**6.6W**	**14**	**2.6L,2.1D**		**¶97v3484**
BER	**V**	**27 12 19 15.6**	**71.3N**	**8.8W**	**15**	**1.8L,1.6D**		**¶97v4566**
BER	**V**	**29 18 19 13.9**	**71.1N**	**7.4W**	**10**	**2.2L,1.5D**		**¶97v4909**
BER	**VI**	**05 14 35 55.8**	**71.3N**	**7.7W**	**7**	**1.8D**		**¶97vi0787**
BER	**VI**	**05 15 30 41.1**	**71.1N**	**7.5W**	**0**	**1.8D**		**¶97vi0797**
BER	**VI**	**07 16 47 18.1**	**71.3N**	**6.7W**	**18**	**2.3L,1.8D**		**¶97vi1122**
BER	**VI**	**10 08 21 31.7**	**71.0N**	**7.1W**	**0**	**2.3L,2.2D**		**¶97vi1496**
BER	**VI**	**15 13 34 29.9**	**71.2N**	**8.7W**	**20**	**1.6L,1.6D**		**¶97vi2305**
BER	**VI**	**17 08 27 04.9**	**71.2N**	**9.2W**	**30**	**2.7L,2.2D**		**¶97vi2578**
BER	**VI**	**17 08 38 06.7**	**71.3N**	**9.0W**	**17**	**2.1L,1.9D**		**¶97vi2580**
BER	**VI**	**17 09 11 19.0**	**71.3N**	**9.1W**	**15**	**2.3L,2.0D**		**¶97vi2585**
BER	**VI**	**17 09 16 36.3**	**71.3N**	**9.1W**	**21**	**1.7L,2.0D**		**¶97vi2586**
BER	**VI**	**17 11 51 10.5**	**71.3N**	**9.0W**	**17**	**2.9L,2.5D**		**¶97vi2616**
BER	**VI**	**17 15 10 41.2**	**71.3N**	**9.1W**	**17**	**2.4L,2.2D**		**¶97vi2651**
BER	**VI**	**18 13 30 00.9**	**70.7N**	**8.0W**	**30**	**2.5D**		**¶97vi2790**
ISC	**VI**	**22 00 22 00**±1.2	**71.8N**±.12	**1.3W**±.55	**10**	2.9b	**7**	**7-42**
EIDC	VI	22 00 21 59.9	71.7N	1.8W	0	3.4L,3.1b		**¶97vi3293**
ISC	**VI**	**22 21 18 42**±1.6	**70.9N**±.54	**6.3W**±.45	**10**		**5**	**1-9**
BER	VI	22 21 18 44.6	70.9N	6.6W	10	3.3L,2.9D		**¶97vi3439**
BER	**VI**	**25 02 09 26.3**	**71.1N**	**7.5W**	**17**	**3.1L,2.7D**		**¶97vi3830**
BER	**VI**	**25 03 01 06.6**	**71.2N**	**7.6W**	**16**	**2.3L,1.8D**		**¶97vi3833**
BER	**VI**	**25 03 48 08.1**	**71.1N**	**7.5W**	**17**	**2.9L,2.6D**		**¶97vi3836**
BER	**VI**	**25 04 05 29.8**	**71.2N**	**7.3W**	**15**	**2.6L,2.1D**		**¶97vi3841**

(640) Greenland Sea.

ISC	**I**	**20 03 03 18.7**±.33	**73.34N**±.035	**6.2E**±.21	**10**	**4.1b,3.8s**	**83**	**5-119**
MOS	I	20 03 03 17.8	73.4N	5.0E	10	4.8b,3.7s		**¶97i2929**
EIDC	I	20 03 03 18.2	73.3N	6.8E	0	3.9b,4.3L		
BJI	I	20 03 03 18.5	73.30N	6.80E	10			
NEIC	I	20 03 03 18.5	73.35N	6.79E	10	4.3b,3.5s		
BER	I	20 03 03 23.4	73.3N	7.1E	18	3.4L,3.3D		
HEL	I	20 03 03 28	72.88N	7.69E		4.2L		
ISC	**I**	**30 16 13 19**±1.2	**79.2N**±.11	**4.0E**±.88	**10**	**3.7b**	**9**	**2-120**
NEIC	I	30 16 13 18.1	79.23N	3.69E	10			**¶97i4511**
EIDC	I	30 16 13 18.4	79.2N	3.1E	0	3.7L,3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**07 21 41 08.4**±.59	**75.10N**±.048	**9.2E**±.37	**10**	**3.5b**	**21**	**4-67**
NEIC	III	07 21 41 07.7	75.02N	8.71E	10	4.1b		**¶97iii1611**
EIDC	III	07 21 41 08.2	75.1N	9.1E	0	3.5b,3.6L		
BER	III	07 21 41 12.5	75.1N	9.6E	20	2.6D		
HEL	III	07 21 41 14	75.34N	11.44E		4.1L		
NEIC	Less reliable solution.							
ISC	**III**	**14 08 39 02**±1.2	**73.5N**±.12	**8.9E**±.65	**10**	**3.0b**	**5**	**5-41**
EIDC	III	14 08 39 01.8	73.4N	8.6E	0	3.1b,2.9L		**¶97iii2839**
NEIC	III	14 08 39 02.0	73.51N	8.83E	10			
NEIC	Single network solution.							
ISC	**IV**	**03 14 15 03.3**±.32	**79.91N**±.049	**0.0E**±.26	**10**	**4.1b,3.2s**	**43**	**2-120**
BJI	IV	03 14 15 02.7	80.12N	0.32E	10	4.4b		**¶97iv0441**
BER	IV	03 14 15 03.0	80.5N	1.1E	23	3.1L,3.5D		
NEIC	IV	03 14 15 03.0	79.98N	0.20E	10	4.3b,3.5s		
EIDC	IV	03 14 15 03.1	80.1N	0.8E	0	4.0b,3.3s		
MOS	IV	03 14 15 03.4	79.8N	0.6W	10	4.5b		
ISC	**IV**	**03 14 35 11.1**±.50	**79.53N**±.090	**3.9E**±.44	**10**	**3.5b**	**21**	**2-120**
NEIC	IV	03 14 35 10.7	79.46N	3.16E	10			**¶97iv0444**
EIDC	IV	03 14 35 10.8	79.4N	3.6E	0	3.5b,4.1L		
NEIC	Less reliable solution.							
ISC	**IV**	**03 16 31 20.3**±.40	**79.41N**±.054	**3.5E**±.29	**10**	**3.8b**,3.7s	**33**	**2-120**
NEIC	IV	03 16 31 20.4	79.55N	4.08E	10	3.9b		**¶97iv0453**
EIDC	IV	03 16 31 20.7	79.5N	4.2E	0	3.8b,4.2L		
BER	IV	03 16 31 24.2	80.0N	6.8E	10	2.9L,3.0D		
ISC	**IV**	**16 05 10 47**±1.4	**73.04N**±.065	**6.1E**±.53	**10**		**12**	**6-14**
NEIC	IV	16 05 10 46.1	73.02N	5.83E	10	4.0b		**¶97iv2698**
EIDC	IV	16 05 10 48.5	73.1N	6.3E	0	3.7L		
NEIC	Less reliable solution.							
ISC	**IV**	**23 04 41 11.7**±.80	**73.01N**±.051	**6.3E**±.35	**10**	3.1b	**15**	**6-41**
NEIC	IV	23 04 41 12.0	73.00N	6.38E	10	4.1b		**¶97iv3896**
EIDC	IV	23 04 41 12.7	73.1N	6.1E	0	3.7L,3.1b		
BER	IV	23 04 41 14.7	73.0N	5.7E	10			
NEIC	Less reliable solution.							
ISC	**V**	**05 04 32 37**±2.3	**73.04N**±.072	**5.8E**±.65	**43**±34	3.1b	**11**	**6-39**
NEIC	V	05 04 32 33.6	73.02N	5.34E	10			**¶97v0736**
EIDC	V	05 04 32 37.0	73.1N	6.1E	0	3.6L		
NEIC	Poor solution.							
BER	**V**	**07 22 02 18.4**	**78.9N**	**4.6E**	**15**	**2.1D**		**¶97v1149**
ISC	**VI**	**24 10 23 05.1**±.73	**79.6N**±.10	**2.7E**±.46	**10**	**3.7b**	**11**	**2-46**
EIDC	VI	24 10 23 09.7	79.6N	6.2E	0	3.7b,4.0L		**¶97vi3697**
ISC	**VI**	**27 05 17 13.2**±.40	**73.19N**±.047	**7.0E**±.19	**10**	**3.9b**	**42**	**5-123**
MOS	VI	27 05 17 13.1	73.4N	7.2E	10	4.6b		**¶97vi4246**
NEIC	VI	27 05 17 13.5	73.39N	7.82E	10	4.3b		
HEL	VI	27 05 17 15	73.22N	6.90E		3.6L		
BER	VI	27 05 17 16.5	73.3N	6.9E	10	3.1L,3.6D		
EIDC	VI	27 05 17 16.8	73.3N	8.0E	20	3.7b,4.1L		
NEIC	Poor solution.							
HEL	MB4.3							

(641) North of Svalbard.

ISC	**I**	**01 19 48 08.2**±.67	**85.35N**±.093	**14E**±1.8	**10**	**3.6b**	**10**	**7-80**
NEIC	I	01 19 48 08.0	85.40N	14.69E	10			**¶97i0108**
EIDC	I	01 19 48 08.4	85.4N	14.7E	0	3.6b,3.1L		
NEIC	Single network solution.							
ISC	**I**	**25 03 39 04**±1.3	**81.9N**±.27	**0W**±2.8	**10**	**3.4b**	**6**	**22-63**
NEIC	I	25 03 39 03.8	81.90N	1.58W	10	3.0b		**¶97i3733**
EIDC	I	25 03 39 04.8	81.9N	1.6W	0	3.4b		
NEIC	Poor solution.							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**30 14 36 21.7**±.75	**84.8N**±.10	**2E**±1.6	**10**	**4.2b**	**17**	**6-117**
NEIC	I	30 14 36 20.7	84.97N	5.97E	10	4.5b		¶97i4497
EIDC	I	30 14 36 20.7	85.0N	15.6E	0	4.1b,4.2L		
NEIC	Less reliable solution.							
ISC	**I**	**31 20 42 58.7**±.77	**84.57N**±.085	**4E**±1.3	**33**	**3.7b**	**14**	**6-80**
EIDC	I	31 20 42 54.5	84.8N	5.4E	0	3.8b,3.8L		¶97i4675
ISC	**II**	**03 05 09 12.4**±.24	**80.10N**±.034	**0.3E**±.24	**10**	**4.6b,4.5s**	**106**	**2-120**
BER	II	03 05 09 07.8	81.0N	0.8W	29	4.3L,3.1D		¶97ii0323
MOS	II	03 05 09 11.9	80.1N	0.1E	10	4.9b,4.1s		
BJI	II	03 05 09 12.0	80.10N	0.50E	10	4.8b,5.0s		
NEIC	II	03 05 09 12.0	80.13N	0.55E	10	4.7b,4.3s		
EIDC	II	03 05 09 15.8	80.1N	0.7E	26	4.2b,4.7L		
ISC	**II**	**13 10 22 23.0**±.24	**80.15N**±.037	**1.0W**±.24	**10**	**4.5b,4.2s**	**85**	**3-120**
MOS	II	13 10 22 22.4	80.2N	1.2W	10	4.9b		¶97ii1898
BJI	II	13 10 22 22.8	80.20N	0.70W	10	4.6b,5.0s		
NEIC	II	13 10 22 22.8	80.21N	0.71W	10	4.6b,4.2s		
EIDC	II	13 10 22 22.9	80.2N	0.5W	0	4.3b,3.7s		
BER	II	13 10 22 24.7	80.5N	0.1E	15	3.9L,3.8D		
NEIC	**II**	**14 23 14 37.2**	**80.43N**	**1.96E**	**10**	3.3b		**2-41**
EIDC	II	14 23 14 38.4	80.4N	2.3E	0	3.7b,4.2L		¶97ii2129
NEIC	Less reliable solution.							
ISC	**II**	**18 02 03 20**±1.1	**81.0N**±.14	**0.5W**±.98	**10**	**3.6b**	**9**	**3-35**
NEIC	II	18 02 03 19.5	80.99N	0.40W	10			¶97ii2589
EIDC	II	18 02 03 20.5	81.1N	0.3E	0	3.5b,3.5L		
NEIC	Less reliable solution.							
ISC	**III**	**11 10 56 00.7**±.54	**81.39N**±.077	**5.5W**±.57	**10**	**3.6b**	**17**	**5-77**
NEIC	III	11 10 55 59.8	81.43N	4.44W	10	3.9b		¶97iii2364
EIDC	III	11 10 56 01.2	81.4N	4.0W	0	3.6b,3.5L		
EIDC	**IV**	**18 17 55 23.0**	**85.9N**	**18.2E**	**0**	3.4L,3.3b		**8-31**
								¶97iv3104
EIDC	**IV**	**26 17 20 44.5**	**82.3N**	**3.9E**	**0**	**3.3b**,4.0L		**4-32**
								¶97iv4583
ISC	**V**	**07 04 47 43.8**±.61	**80.10N**±.095	**0.1E**±.44	**10**	**3.7b**	**17**	**4-64**
NEIC	V	07 04 47 43.9	80.10N	0.01W	10			¶97v1054
EIDC	V	07 04 47 48.9	80.2N	1.1E	33	3.5b,3.5L		
NEIC	Less reliable solution.							
ISC	**V**	**09 05 23 20.0**±.55	**86.20N**±.062	**31E**±1.5	**10**	**3.7b**,3.8s	**18**	**8-131**
EIDC	V	09 05 23 19.0	86.2N	32.7E	0	3.7b,3.6L		¶97v1365
NEIC	V	09 05 23 19.9	86.17N	29.42E	10	3.2b		
NEIC	Less reliable solution.							
ISC	**V**	**25 04 05 25**±1.6	**86.27N**±.091	**31E**±7.6	**0**	**3.5b**	**6**	**8-29**
EIDC	V	25 04 05 26.7	86.2N	31.5E	0	3.2L,3.5b		¶97v4216
ISC	**VI**	**11 19 40 57.6**±.22	**82.85N**±.040	**7.1W**±.31	**10**	**4.4b,4.0s**	**92**	**5-154**
BJI	VI	11 19 40 55.8	83.01N	7.40W	8	4.7b		¶97vi1738
MOS	VI	11 19 40 56.9	82.8N	7.1W	10	4.8b		
NEIC	VI	11 19 40 57.2	82.87N	6.75W	10	4.6b		
EIDC	VI	11 19 40 57.3	82.8N	7.1W	0	4.3b,3.5L		

(642) Norwegian Sea.

BER	**I**	**01 21 03 39.2**	**62.3N**	**5.0E**	**5**	**1.2L,1.6D**		¶97i0118
BER	**I**	**02 17 48 55.8**	**70.2N**	**17.3E**	**15**	**2.3L,1.9D**		¶97i0257
HEL	I	02 17 48 55	70.00N	17.46E		2.4L		
ISC	**I**	**10 16 28 35.7**±.78	**72.69N**±.060	**4.8E**±.35	**10**	**4.0b**	**18**	**6-68**
NEIC	I	10 16 28 35.1	72.69N	4.62E	10	4.6b		¶97i1394
EIDC	I	10 16 28 36.3	72.7N	4.7E	0	3.8L,3.5b		
BER	I	10 16 28 36.5	72.7N	3.6E	0	2.8L,3.1D		
HEL	I	10 16 28 44	72.65N	5.63E		4.1L		
NEIC	Less reliable solution.							
ISC	**I**	**12 15 19 36**±2.0	**63.1N**±.11	**5.5E**±.35	**15**		**7**	**1-10**
EIDC	I	12 15 19 39.8	63.1N	6.6E	0	2.4L		¶97i1701
BER	I	12 15 19 40.2	62.9N	5.6E	15	2.2L,1.9D		
BER	**I**	**19 15 42 57.8**	**61.5N**	**3.8E**	**10**	**1.8L,1.3D**		¶97i2861
ISC	**I**	**19 21 15 16.6**±.65	**71.89N**±.053	**1.2E**±.25	**10**	**3.7b**	**30**	**6-68**
BER	I	19 21 15 15.7	71.8N	0.1E	0			¶97i2891
NEIC	I	19 21 15 15.8	71.84N	0.96E	10	3.0b		
EIDC	I	19 21 15 16.3	71.8N	0.8E	0	3.6b,3.7L		
HEL	I	19 21 15 20	71.90N	1.17E		4.0L		
NEIC	Less reliable solution.							
ISC	**I**	**20 20 27 20**±5.4	**61.3N**±.15	**2.8E**±.83	**0**		**11**	**1-11**
								¶97i3077
BER	**I**	**23 00 34 00.2**	**62.2N**	**5.0E**	**16**	**1.4L,1.6D**		¶97i3412
ISC	**I**	**26 00 35 16**±1.5	**61.6N**±.12	**2.7E**±.20	**33**		**12**	**1-6**
								¶97i3863
BER	**II**	**06 00 32 24.2**	**75.0N**	**11.3E**	**31**	**1.9L,2.5D**		¶97ii0772
ISC	**II**	**11 17 18 16**±2.3	**72.4N**±.10	**2.8E**±.87	**10**	3.4b	**6**	**7-24**
NEIC	II	11 17 18 14.7	72.38N	2.44E	10			¶97ii1650
EIDC	II	11 17 18 16.1	72.4N	2.4E	0	3.4L,3.4b		
NEIC	Poor solution.							
ISC	**II**	**15 03 57 36**±4.1	**61.7N**±.16	**3.3E**±.61	**15**		**8**	**1-3**
BER	II	15 03 57 38.0	61.8N	3.4E	15	2.3L,2.2D		¶97ii2169
BER	**II**	**15 23 08 40.0**	**61.8N**	**3.7E**	**15**	**1.6L,1.5D**		¶97ii2308
BER	**II**	**27 23 54 21.2**	**62.7N**	**4.3E**	**15**	**1.5D**		¶97ii4067
ISC	**III**	**18 05 53 50.6**±.26	**66.40N**±.029	**1.94W**±.088	**10**	**4.1b**	**92**	**5-89**
MOS	III	18 05 53 49.7	66.2N	2.1W	10	4.5b		¶97iii3493
HEL	III	18 05 53 50	66.30N	2.59W		4.1L		
EIDC	III	18 05 53 50.0	66.3N	2.1W	0	4.0b,4.1L		
NEIC	III	18 05 53 50.4	66.50N	1.99W	10	4.0b		
BJI	III	18 05 53 52.1	66.66N	1.77W	14	4.5b		
BER	III	18 05 53 52.4	66.4N	2.3W	9	3.4L,3.8D		
BGS	III	18 05 53 53.0	66.42N	2.28W	31	4.0L		
BER	**III**	**18 19 55 13.2**	**68.3N**	**12.0E**	**3**	**1.3L,1.6D**		¶97iii3586
BER	**III**	**19 06 05 20.7**	**68.3N**	**12.0E**	**15**	**1.1D**		¶97iii3644
BER	**III**	**19 08 48 00.2**	**68.3N**	**12.0E**	**15**	**1.2D**		¶97iii3672
BER	**III**	**26 09 48 24.8**	**61.1N**	**3.6E**	**15**	**1.9L,1.8D**		¶97iii4911
ISC	**III**	**27 17 36 50**±5.5	**61.5N**±.16	**3.6E**±.88	**33**		**10**	**1-5**
								¶97iii5272
ISC	**III**	**31 12 46 52**±1.3	**64.81N**±.087	**1.1E**±.27	**0**	3.0b	**12**	**4-44**
HEL	III	31 12 46 57	64.64N	1.28E		3.3L		¶97iii5889
BER	III	31 12 46 57.0	64.7N	1.3E	0	2.8L,2.9D		
BER	**III**	**31 17 04 25.2**	**66.0N**	**6.3E**	**15**	**2.3D**		¶97iii5909
ISC	**IV**	**05 20 13 56**±6.2	**61.4N**±.20	**3.2E**±.80	**3**		**5**	**1-2**
BER	IV	05 20 14 02.8	61.3N	3.8E	3	1.3L,1.6D		¶97iv0845
EIDC	**IV**	**06 23 14 57.7**	**70.4N**	**8.8E**	**0**	**3.2L**		**6-11**
								¶97iv1069
ISC	**IV**	**12 10 03 17**±1.2	**61.93N**±.096	**3.3E**±.19	**31**		**13**	**1-12**
BER	IV	12 10 03 20.7	61.7N	3.3E	31	2.2L,2.7D		¶97iv2050
ISC	**IV**	**12 19 34 07**±1.9	**73.00N**±.091	**5.8E**±.69	**10**		**8**	**6-14**
BER	IV	12 19 34 10.6	73.1N	5.7E	10			¶97iv2114
ISC	**IV**	**25 03 29 33**±1.1	**67.89N**±.069	**10.3E**±.29	**0**		**15**	**1-10**
BER	IV	25 03 29 37.8	67.9N	10.1E	7	2.5L,2.9D		¶97iv4272
HEL	IV	25 03 29 38	67.81N	10.34E		2.4L		
EIDC	IV	25 03 29 38.5	67.7N	10.9E	0	3.0L		
HEL	MD2.6							
ISC	**IV**	**30 21 24 28.3**±.70	**72.69N**±.073	**4.8E**±.33	**31**	**3.6b**	**20**	**5-68**
EIDC	IV	30 21 24 25.8	72.6N	4.4E	0	3.7L,2.9s		¶97iv5269
BER	IV	30 21 24 33.8	72.7N	5.0E	31	2.6L,3.5D		
EIDC	**V**	**01 10 43 36.2**	**71.5N**	**0.6E**	**0**	**3.5L**		**9-15**
								¶97v0082
ISC	**V**	**02 07 31 15.7**±.77	**72.39N**±.062	**19.4E**±.39	**17**		**11**	**3-13**
EIDC	V	02 07 31 16.5	72.5N	20.2E	0	3.5L		¶97v0228
BER	V	02 07 31 18.7	72.4N	19.5E	17	2.4D		
BER	**V**	**02 19 58 05.0**	**62.1N**	**4.9E**	**13**	**1.6L,1.5D**		¶97v0322
ISC	**V**	**04 00 16 55**±1.6	**74.77N**±.093	**14.7E**±.69	**43**±38	2.6b	**14**	**3-26**
NEIC	V	04 00 16 52.2	74.71N	14.70E	10			¶97v0526
EIDC	V	04 00 16 52.6	74.7N	14.8E	0	3.4L,3.0b		
HEL	V	04 00 16 55	74.83N	13.88E				
BER	V	04 00 16 55.8	74.7N	13.0E	29			
NEIC	Single network solution.							
ISC	**V**	**06 00 47 08.5**±.74	**72.65N**±.058	**3.8E**±.31	**10**	**3.5b,**3.9s	**27**	**6-124**
EIDC	V	06 00 47 07.3	72.5N	3.2E	0	3.7b,3.5L		¶97v0872
MOS	V	06 00 47 08.6	73.0N	3.4E	10	4.1b		
BER	V	06 00 47 10.8	72.5N	3.0E	18			
NEIC	V	06 00 47 11.7	72.67N	3.89E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**V**	**10 21 46 07**±1.4	**68.25N**±.076	**10.5E**±.33	**19**		**14**	**1-10**
HEL	V	10 21 46 10	68.21N	10.54E		2.9L		¶97v1668
BER	V	10 21 46 11.3	68.3N	10.5E	19	2.7L,3.2D		
ISC	**V**	**12 00 28 21**±1.9	**66.5N**±.11	**9.6E**±.51	**31**		**11**	**2-9**
BER	V	12 00 28 21.9	66.6N	8.7E	31	1.8L,2.7D		¶97v1867
EIDC	V	12 00 28 22.3	66.2N	10.6E	0	2.6L		
BER	**V**	**12 04 11 43.0**	**61.7N**	**2.1E**	**31**	**2.1D**		¶97v1890
ISC	**V**	**17 01 28 24.5**±.76	**63.18N**±.045	**3.0E**±.16	**10**	3.7b	**32**	**2-46**
NEIC	V	17 01 28 24.3	62.92N	2.67E	10	3.4b		¶97v2864
EIDC	V	17 01 28 25.1	63.0N	3.0E	0	3.5L,3.6b		
BGS	V	17 01 28 30.9	63.02N	2.13E	15	3.2L		
ISC	**V**	**17 02 47 33**±1.1	**63.18N**±.066	**2.9E**±.24	**5**		**16**	**2-16**
BER	V	17 02 47 36.3	63.1N	2.9E	5	2.0L,2.9D		¶97v2871
ISC	**V**	**29 15 10 42**±1.4	**68.49N**±.083	**10.8E**±.37	**10**		**11**	**1-10**
NEIC	V	29 15 10 49.4	67.98N	11.71E	10			¶97v4888
EIDC	V	29 15 10 50.3	68.1N	11.5E	0	3.0L		
NEIC	Poor solution.							
ISC	**V**	**30 06 50 39**±2.7	**66.4N**±.13	**7.5E**±.61	**0**		**7**	**3-10**
EIDC	V	30 06 50 44.8	66.3N	8.6E	0	3.2L		¶97v4991
BER	**VI**	**02 16 16 50.3**	**65.8N**	**8.6E**	**0**	**2.0D**		¶97vi0266
ISC	**VI**	**11 01 44 29**±4.6	**64.0N**±.31	**5.6E**±.81	**0**		**6**	**2-5**
BER	VI	11 01 44 31.5	64.1N	5.6E	0	1.8L,2.6D		¶97vi1603
ISC	**VI**	**19 23 02 37**±6.1	**61.5N**±.16	**4.0E**±.88	**22**±19		**8**	**1-4**
BER	VI	19 23 02 37.6	61.5N	3.9E	7	1.6L,1.8D		¶97vi2971

(643) Svalbard region.

BER	**I**	**11 01 46 43.0**	**79.8N**	**22.1E**	**31**	**2.2L,2.3D**		¶97i1448
BER	**I**	**11 01 54 23.7**	**79.5N**	**24.1E**	**16**			¶97i1449
BER	**I**	**11 15 06 36.4**	**77.2N**	**19.2E**	**15**	**2.3D**		¶97i1538
BER	**I**	**16 12 50 55.1**	**80.0N**	**20.6E**	**30**	**2.0L,2.5D**		¶97i2313
ISC	**I**	**18 13 06 14**±3.4	**79.7N**±.26	**21.1E**±.73	**15**		**7**	**2-20**
BER	I	18 13 06 13.6	80.0N	21.5E	15	2.9L,2.4D		¶97i2663
BER	**I**	**18 13 29 01.2**	**79.9N**	**21.6E**	**15**	**2.4L,2.0D**		¶97i2671
BER	**I**	**19 10 33 43.4**	**78.1N**	**8.0E**	**0**	**2.2D**		¶97i2821
ISC	**II**	**06 14 41 51.5**±.91	**77.79N**±.064	**9.1E**±.47	**10**	**3.6b**	**15**	**1-36**
NEIC	II	06 14 41 51.7	77.75N	7.88E	10	5.3b		¶97ii0854
BER	II	06 14 41 55.3	77.9N	8.5E	29			
EIDC	II	06 14 41 55.9	77.7N	8.7E	31	4.0L,3.5b		
NEIC	Less reliable solution.							
ISC	**II**	**11 06 15 12**±7.9	**80.1N**±.65	**23E**±1.6	**0**		**6**	**2-20**
								¶97ii1592
ISC	**II**	**15 21 32 23**±1.4	**78.8N**±.13	**7.3E**±.60	**20**	3.1b	**7**	**1-65**
BER	II	15 21 32 12.5	79.9N	4.3E	20	2.6L,2.7D		¶97ii2297
EIDC	II	15 21 32 22.3	78.8N	7.3E	0	3.5L,3.1b		
BER	**II**	**16 07 26 20.0**	**78.0N**	**8.7E**	**6**	**2.5L,2.3D**		¶97ii2353
BER	**II**	**16 20 06 33.7**	**80.1N**	**22.1E**	**15**	**2.3D**		¶97ii2415
BER	**II**	**17 12 08 28.3**	**77.7N**	**8.6E**	**15**	**1.7L,1.7D**		¶97ii2490
BER	**II**	**17 15 13 51.5**	**78.4N**	**5.7E**	**17**	**2.2D**		¶97ii2510
BER	**II**	**19 21 53 53.8**	**77.3N**	**21.5E**	**15**			¶97ii2842
BER	**II**	**22 08 00 23.7**	**77.2N**	**23.1E**	**15**	**2.3L,2.0D**		¶97ii3182
BER	**II**	**22 23 40 36.2**	**77.0N**	**17.6E**	**0**	**2.3L,2.4D**		¶97ii3267
BER	**III**	**02 07 09 53.2**	**77.6N**	**14.2E**	**1**	**2.3L,2.2D**		¶97iii0256
BER	**III**	**05 00 52 06.5**	**76.8N**	**17.4E**	**12**			¶97iii0951
BER	**III**	**11 07 58 36.9**	**77.2N**	**13.3E**	**15**	**2.7L,1.7D**		¶97iii2337
BER	**III**	**11 08 12 56.2**	**78.2N**	**15.5E**	**15**	**2.1L,1.6D**		¶97iii2344
ISC	**III**	**14 05 47 53.9**±.92	**79.6N**±.13	**6.5E**±.79	**10**	**3.4b**	**9**	**1-38**
NEIC	III	14 05 47 53.7	79.62N	6.63E	10			¶97iii2818
EIDC	III	14 05 47 53.9	79.6N	6.4E	0	3.4b,3.8L		
NEIC	Less reliable solution.							
BER	**III**	**17 08 42 48.8**	**77.8N**	**12.9E**	**15**	**2.2L,1.8D**		¶97iii3349
BER	**III**	**17 08 48 01.0**	**77.8N**	**12.9E**	**13**	**2.0L,2.0D**		¶97iii3350
BER	**III**	**18 04 06 44.6**	**77.1N**	**7.8E**	**15**	**2.0L,2.6D**		¶97iii3485
BER	**III**	**25 11 50 16.3**	**78.1N**	**8.6E**	**0**	**2.1D**		¶97iii4718
BER	**III**	**27 22 53 45.4**	**78.0N**	**8.0E**	**0**	**2.5D**		¶97iii5325
BER	**III**	**31 10 19 54.2**	**78.8N**	**6.3E**	**0**			¶97iii5876
BER	**III**	**31 16 51 30.9**	**78.0N**	**7.9E**	**0**	**1.6L,2.2D**		¶97iii5907
BER	**IV**	**01 16 07 38.6**	**79.9N**	**21.5E**	**31**	**2.0D**		¶97iv0102
BER	**IV**	**01 22 55 01.6**	**80.1N**	**21.2E**	**15**	**1.8D**		¶97iv0153
BER	**IV**	**04 06 03 18.3**	**80.7N**	**6.1E**	**0**	**2.3D**		¶97iv0553
BER	**IV**	**05 16 27 27.2**	**80.1N**	**21.0E**	**15**	**1.8L,1.9D**		¶97iv0804
BER	**IV**	**05 23 16 21.7**	**77.7N**	**7.8E**	**15**	**1.5D**		¶97iv0877
BER	**IV**	**14 02 10 06.9**	**80.3N**	**22.0E**	**15**	**1.9D**		¶97iv2368
BER	**IV**	**20 11 19 30.9**	**77.5N**	**20.2E**	**0**	**2.4L,2.5D**		¶97iv3302
BER	**IV**	**28 06 09 48.0**	**77.6N**	**17.7E**	**0**	**1.9L,1.6D**		¶97iv4863
BER	**IV**	**28 14 23 19.9**	**77.8N**	**24.4E**	**15**			¶97iv4936
BER	**V**	**03 20 06 02.6**	**77.2N**	**23.3E**	**12**	**2.4D**		¶97v0491
BER	**V**	**03 21 48 45.7**	**77.1N**	**22.9E**	**15**	**2.2D**		¶97v0503
BER	**V**	**05 17 08 28.1**	**77.8N**	**18.3E**	**15**	**1.9L,2.1D**		¶97v0821
BER	**V**	**05 18 24 34.6**	**77.9N**	**12.9E**	**15**	**1.8L,1.5D**		¶97v0832
BER	**V**	**07 11 24 10.0**	**80.4N**	**22.9E**	**15**	**2.4D**		¶97v1093
BER	**V**	**14 06 44 05.8**	**77.7N**	**18.4E**	**5**	**2.8D**		¶97v2402
BER	**V**	**14 12 52 31.4**	**80.1N**	**22.0E**	**3**	**2.4D**		¶97v2450

BER	**V**	**15 09 59 45.6**	**77.7N**	**14.2E**	**0**	**2.7L,1.9D**	**¶97v2591**
BER	**V**	**15 14 16 15.6**	**77.8N**	**13.0E**	**15**	**2.5L,2.2D**	**¶97v2630**
ISC	**V**	**16 12 04 00.5**±.61	**81.34N**±.095	**6.7E**±.98	**10**	**3.9b**	**13 3-75**
NEIC	V	16 12 04 00.4	81.34N	6.68E	10		**¶97v2771**
EIDC	V	16 12 04 01.1	81.3N	6.4E	0	3.5b,4.4L	
NEIC	Less reliable solution.						
BER	**VI**	**03 06 13 27.0**	**80.3N**	**23.2E**	**15**	**2.2D**	**¶97vi0393**
BER	**VI**	**09 15 56 26.4**	**80.5N**	**23.4E**	**15**	**2.3D**	**¶97vi1418**
BER	**VI**	**10 13 31 59.7**	**80.6N**	**24.4E**	**15**	**1.8L,2.2D**	**¶97vi1529**
BER	**VI**	**11 14 04 43.8**	**80.4N**	**22.6E**	**15**	**2.2D**	**¶97vi1700**
BER	**VI**	**15 04 37 59.3**	**80.1N**	**19.4E**	**0**	**1.9L,2.6D**	**¶97vi2239**
BER	**VI**	**16 01 27 43.3**	**80.6N**	**23.2E**	**15**	**1.8L,2.6D**	**¶97vi2387**
BER	**VI**	**16 20 09 42.6**	**80.6N**	**23.2E**	**15**	**1.8L,2.6D**	**¶97vi2507**
BER	**VI**	**18 17 15 55.1**	**80.4N**	**24.0E**	**15**	**2.8D**	**¶97vi2812**
BER	**VI**	**24 03 47 17.9**	**77.5N**	**7.1E**	**10**	**2.0D**	**¶97vi3630**
BER	**VI**	**25 23 49 32.9**	**78.6N**	**5.7E**	**15**	**1.5D**	**¶97vi4047**
BER	**VI**	**27 11 22 40.0**	**80.2N**	**21.3E**	**15**	**2.1L,2.6D**	**¶97vi4292**
BER	**VI**	**29 02 35 20.1**	**75.1N**	**15.5E**	**0**		**¶97vi4556**
HEL	VI	29 02 35 22	75.17N	16.56E		3.2L	

(644) North of Franz Joseph Land.

ISC	**II**	**05 01 34 46.3**±.38	**86.88N**±.046	**57E**±1.5	**10**	**4.1b**,4.1s	**34 9-82**
EIDC	II	05 01 34 45.2	86.8N	59.6E	0	4.1b,3.8s	**¶97ii0621**
MOS	II	05 01 34 45.7	86.9N	56.0E	10	4.8b	
NEIC	II	05 01 34 46.2	86.90N	57.62E	10	4.6b	

(646) Northern Norway.

BER	**I**	**08 14 09 12.3**	**67.7N**	**14.9E**	**15**	**1.5L,1.7D**	**¶97i1074**
ISC	**I**	**20 12 31 15.6**±.86	**66.39N**±.079	**14.8E**±.27	**0**		**7 0-7**
EIDC	I	20 12 31 18.4	66.5N	15.2E	0	2.8L	**¶97i3001**
ISC	**I**	**24 09 16 50**±2.4	**65.0N**±.13	**12.0E**±.66	**25**±23		**6 1-7**
							¶97i3628
ISC	**II**	**11 16 28 23.7**±.84	**66.34N**±.082	**15.0E**±.24	**0**		**7 0-7**
EIDC	II	11 16 28 26.7	66.2N	15.5E	0	2.6L	**¶97ii1646**
BER	**II**	**20 11 49 42.2**	**65.4N**	**11.7E**	**15**	**1.9D**	**¶97ii2919**
BER	**II**	**21 12 31 37.4**	**66.3N**	**14.8E**	**0**	**1.4L,2.0D**	**¶97ii3070**
BER	Explosion						
BER	**II**	**26 20 53 11.8**	**70.4N**	**28.5E**	**0**	**2.0L,2.2D**	**¶97ii3851**
BER	**III**	**05 00 52 11.4**	**69.0N**	**16.5E**	**0**		**¶97iii0952**
ISC	**III**	**08 16 00 07**±1.0	**66.48N**±.067	**13.1E**±.27	**10**		**11 1-8**
HEL	III	08 16 00 07	66.49N	12.84E		2.5L	**¶97iii1787**
EIDC	III	08 16 00 09.4	66.3N	13.3E	0	3.1L	
BER	III	08 16 00 09.9	66.5N	13.0E	10	2.4L,2.5D	
BER	**III**	**18 09 36 30.5**	**66.4N**	**14.6E**	**0**	**1.8L,2.3D**	**¶97iii3518**
BER	Explosion						
ISC	**III**	**25 15 24 15.0**±.79	**66.45N**±.066	**15.0E**±.23	**0**		**11 0-7**
EIDC	III	25 15 24 16.9	66.4N	15.0E	0	2.4L	**¶97iii4751**
ISC	**III**	**29 01 41 44.0**±.78	**67.66N**±.067	**15.5E**±.16	**0**		**12 1-8**
HEL	III	29 01 41 46	67.80N	15.47E		2.9L	**¶97iii5517**
BER	III	29 01 41 48.1	67.8N	15.3E	0	2.3L,2.6D	
EIDC	III	29 01 41 55.4	67.1N	16.3E	0	3.0L	
BER	**IV**	**09 09 25 57.7**	**70.5N**	**21.1E**	**0**	**2.7D**	**¶97iv1489**
BER	**IV**	**11 10 37 55.1**	**66.4N**	**14.9E**	**0**	**2.1L,2.3D**	**¶97iv1875**
BER	Explosion						
BER	**IV**	**22 18 44 24.8**	**69.1N**	**23.3E**	**0**	**1.9L,2.0D**	**¶97iv3811**
BER	**IV**	**23 16 48 53.6**	**70.6N**	**22.2E**	**0**	**2.3D**	**¶97iv3998**
BER	**IV**	**29 14 55 21.1**	**68.1N**	**19.9E**	**0**	**1.9L,2.6D**	**¶97iv5094**
BER	**V**	**19 18 38 52.3**	**66.7N**	**13.9E**	**0**	**2.4D**	**¶97v3292**
BER	**V**	**23 10 34 35.9**	**69.9N**	**20.5E**	**0**	**1.7L,2.1D**	**¶97v3936**
BER	**V**	**30 03 31 17.4**	**66.9N**	**15.6E**	**0**	**2.0L,2.4D**	**¶97v4973**
BER	**V**	**30 08 05 56.2**	**66.4N**	**14.8E**	**0**	**1.7L,2.2D**	**¶97v5000**
BER	**VI**	**01 23 58 10.8**	**66.0N**	**14.3E**	**0**	**1.7D**	**¶97vi0153**
BER	**VI**	**03 23 42 27.4**	**64.1N**	**13.2E**	**14**	**1.8L,2.6D**	**¶97vi0534**
BER	**VI**	**11 01 09 41.0**	**66.8N**	**14.5E**	**15**	**2.2D**	**¶97vi1598**
BER	**VI**	**16 16 00 32.1**	**66.3N**	**14.7E**	**0**	**2.0L,2.8D**	**¶97vi2492**
BER	Explosion						
BER	**VI**	**17 01 09 51.6**	**66.8N**	**14.1E**	**0**	**2.4D**	**¶97vi2536**
BER	Explosion						
BER	**VI**	**19 15 01 51.4**	**66.9N**	**15.6E**	**0**	**2.5D**	**¶97vi2931**
BER	Explosion						
BER	**VI**	**26 07 07 53.7**	**66.8N**	**14.1E**	**0**	**2.0L,2.3D**	**¶97vi4097**
BER	Explosion						
BER	**VI**	**26 13 59 16.1**	**68.4N**	**18.0E**	**0**	**2.6D**	**¶97vi4150**
ISC	**VI**	**27 10 54 02.2**±.91	**66.42N**±.077	**14.9E**±.28	**0**		**7 0-7**
BER	VI	27 10 54 04.9	66.5N	14.8E	0	2.8D	**¶97vi4286**
BER	Explosion						

(647) Barents Sea.

BER	**I**	**13 05 43 18.3**	**76.1N**	**27.6E**	**15**	**2.2L,2.2D**	**¶97i1780**
BER	**I**	**13 11 17 34.5**	**75.0N**	**25.5E**	**12**		**¶97i1827**
ISC	**I**	**14 00 36 57**±1.6	**76.2N**±.10	**25.9E**±.93	**15**		**14 3-17**
EIDC	I	14 00 36 52.2	76.5N	28.8E	0	3.8L	**¶97i1923**
BER	I	14 00 37 01.4	76.3N	25.6E	15	2.9L,2.8D	
HEL	I	14 00 37 02	76.10N	23.91E		3.2L	

(651) North of Severnaya Zemlya.

ISC	**II**	**09 18 28 36.2**±.46	**85.32N**±.067	**87E**±1.0	**10**	**4.0b**	**21 11-107**
EIDC	II	09 18 28 35.2	85.2N	88.5E	0	3.9b,3.8L	**¶97ii1340**
BJI	II	09 18 28 36.0	85.30N	87.70E	10		
NEIC	II	09 18 28 36.0	85.32N	87.71E	10	4.4b	
EIDC	**III**	**19 06 14 39.0**	**84.8N**	**95.1E**	**0**	**3.7b**,2.8L	**18-84**
							¶97iii3645
ISC	**IV**	**24 08 18 54.9**±.36	**84.98N**±.062	**99.6E**±.58	**10**	**4.3b,3.7s**	**58 12-84**
EIDC	IV	24 08 18 53.1	84.7N	101.2E	0	4.2b,3.7s	**¶97iv4107**
MOS	IV	24 08 18 54.4	85.0N	100.2E	10	4.8b	
NEIC	IV	24 08 18 54.4	84.95N	99.93E	10	4.5b	
ISC	**IV**	**30 05 23 59**±5.3	**82.5N**±.13	**115E**±1.3	**54**±64	**3.5b**	**6 14-27**
EIDC	IV	30 05 23 54.1	82.3N	115.5E	0	3.1L,3.6b	**¶97iv5170**
NEIC	IV	30 05 23 54.5	82.50N	115.83E	10		
NEIC	Single network solution.						
ISC	**V**	**30 01 00 33.1**±.53	**82.09N**±.096	**119.1E**±.43	**10**	**4.0b**,2.4s	**38 14-86**
EIDC	V	30 01 00 32.5	81.9N	118.9E	0	3.8b,3.1s	**¶97v4952**
NEIC	V	30 01 00 32.7	82.05N	119.30E	10	4.2b	
MOS	V	30 01 00 33.1	81.7N	121.6E	10	4.5b	

(654) East of Severnaya Zemlya.

ISC	**I**	**02 16 37 31**±5.9	**81.6N**±.13	**119.5E**±.68	**28**±46	**3.6b**	**12 14-87**
NEIC	I	02 16 37 27.4	81.40N	119.08E	10	3.4b	**¶97i0249**
EIDC	I	02 16 37 27.4	81.4N	119.3E	0	3.7b,3.8L	
NEIC	Less reliable solution.						
ISC	**IV**	**16 08 42 27.6**±.16	**78.48N**±.032	**125.6E**±.12	**9**	**4.7b,4.5s**	**205 13-150**
BJI	IV	16 08 42 26.1	78.49N	126.06E	9	4.9b,5.0s	**¶97iv2725**
EIDC	IV	16 08 42 26.5	78.4N	125.3E	0	4.4b,4.1s	
MOS	IV	16 08 42 27.2	78.4N	125.9E	10	5.3b,4.5s	
NEIC	IV	16 08 42 27.5	78.51N	125.52E	10	4.8b,4.3s	
ISC	**IV**	**19 15 26 33.6**±.11	**78.43N**±.021	**125.82E**±.077	**10**	**5.6b,5.3s**	**542 17-168**
BJI	IV	19 15 26 31.7	78.51N	126.49E	9	5.5b,5.8s	**¶97iv3213**
MOS	IV	19 15 26 33.3	78.4N	126.0E	10	6.1b,5.4s	
NEIC	IV	19 15 26 33.4	78.45N	125.82E	10	5.7b,5.0s	
EIDC	IV	19 15 26 38.1	78.4N	125.6E	33	5.0b,4.8s	
NEIC	Me6.2(GS), Mw5.5(GS).						

NEIC Radiated energy from the P−wave first−motion solution: $4.0\pm1.2\times10^{13}$Nm/13

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S285°,δ60°,λ180°. NP2:ϕ_S195°,δ90°,λ−30°. Principal axes: T Plg21°,Azm244°; P Plg21°,Azm146°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s32, scale 10^{17}Nm; M_{rr}−0.09; $M_{\theta\theta}$−0.11; $M_{\phi\phi}$0.19; $M_{r\theta}$0.10; $M_{r\phi}$2.15; $M_{\theta\phi}$−0.07. Depth 14km; Principal axes: T 2.21,Plg43°,Azm271°; N −0.10,Plg2°, Azm3°; P −2.11,Plg47°,Azm95°. Best double couple: $M_0$2.2×10^{17}Nm; NP1:ϕ_S311°,δ3°, λ−142°. NP2:ϕ_S183°,δ88°,λ−88°.

EIDC	**IV**	**19 18 00 34.2**	**78.7N**	**123.9E**	**31**	**3.1b**,3.9L	**19-69**
							¶97iv3226
ISC	**V**	**27 23 40 19**±8.3	**81.95N**±.064	**119.4E**±.45	**3**±51	**4.0b**	**30 14-152**
BJI	V	27 23 40 22.7	82.00N	119.40E	26	4.5b	**¶97v4625**
NEIC	V	27 23 40 22.7	82.02N	119.39E	26	4.0b	
EIDC	V	27 23 40 24.4	81.9N	119.3E	25	3.8b,3.1L	
MOS	V	27 23 40 25.1	81.7N	122.1E	33	4.4b	
ISC	**VI**	**04 15 55 41.0**±.64	**81.03N**±.096	**121.3E**±.64	**10**	**3.6b**	**12 17-67**
NEIC	VI	04 15 55 40.9	81.04N	121.32E	10	3.5b	**¶97vi0637**
EIDC	VI	04 15 55 44.9	81.0N	120.6E	23	3.3b,2.5L	

(655) Laptev Sea.

EIDC	**III**	**08 05 05 51.6**	**74.8N**	**131.8E**	**0**	**3.5b**,3.8L	**17-70**
							¶97iii1672

SEISMIC REGION 41.
EASTERN ASIA.

(656) Eastern Russia.

ISC	**I**	**20 01 29 13**±1.5	**56.1N**±.15	**125.1E**±.35	**0**	3.7b	**4 7-47**
EIDC	I	20 01 29 15.2	56.2N	125.1E	0	3.6b,4.1L	**¶97i2920**
ISC	Poorly determined						
ISC	**VI**	**22 06 04 33.9**±.92	**56.9N**±.10	**123.1E**±.42	**33**	**3.6b**	**7 8-81**
EIDC	VI	22 06 04 30.6	56.9N	123.6E	0	3.7b,3.8L	**¶97vi3332**
NEIC	VI	22 06 04 33.9	56.87N	123.12E	33		
NEIC	Less reliable solution.						

(657) E. Russia-N.E. China border region.

ISC	**IV**	**30 13 57 03.6**±.29	**44.49N**±.037	**130.66E**±.052	**563**±5.4	**3.7b**	**147 1-151**
NEIC	IV	30 13 57 02.8	44.59N	130.55E	550	3.9b	**¶97iv5226**
EIDC	IV	30 13 57 04.4	44.6N	130.6E	555	3.3b	
MOS	IV	30 13 57 05.1	44.6N	130.5E	582	3.7b	
JMA	IV	30 13 57 05.6±.2	44.33N±.02	131.00E±.02	592		
BJI	IV	30 13 57 05.8	44.56N	130.39E	561	4.1b	

(658) North-Eastern China.

BJI	**I**	**03 13 48 28.3**	**40.89N**	**111.17E**	**13**	**3.0L**	**¶97i0384**
BJI	**I**	**05 19 03 26.4**	**38.26N**	**112.09E**	**15**	**2.9L**	**¶97i0701**
EIDC	**I**	**19 13 12 48.5**	**40.2N**	**112.7E**	**0**	3.0b,3.1L	**3-71**
							¶97i2846
BJI	**I**	**26 21 11 39.8**	**37.83N**	**115.27E**	**11**	**3.0L**	**¶97i3997**
BJI	**I**	**28 01 39 39.9**	**37.27N**	**121.95E**	**5**	**2.8L**	**¶97i4156**
ISC	**II**	**06 07 07 38**±1.1	**38.7N**±.17	**118.12E**±.090	**11**	3.8b	**7 2-71**
EIDC	II	06 07 07 40.2	39.9N	118.5E	0	3.7b,3.6L	**¶97ii0809**
BJI	II	06 07 07 41.2	39.55N	118.41E	11	2.9L	
ISC	**II**	**10 11 35 38.0**±.91	**40.10N**±.098	**113.7E**±.11	**19**	3.2b	**7 2-71**
BJI	II	10 11 35 37.8	39.98N	113.54E	19	3.2L	**¶97ii1452**
BJI	**II**	**10 13 17 16.0**	**40.79N**	**122.80E**	**21**	**3.2L**	**¶97ii1469**
BJI	**II**	**10 18 11 54.6**	**40.04N**	**113.45E**	**25**	**3.0L**	**¶97ii1495**
BJI	**II**	**16 02 35 28.3**	**40.42N**	**122.46E**	**15**	**2.9L**	**¶97ii2331**
BJI	**II**	**17 15 08 29.4**	**39.94N**	**123.69E**	**20**	**2.9L**	**¶97ii2508**
ISC	**II**	**18 14 17 37**±1.4	**39.83N**±.080	**116.0E**±.14	**15**±13	3.4b	**11 0-88**
BJI	II	18 14 17 35.0	39.71N	116.31E	3	3.2L	**¶97ii2652**
EIDC	II	18 14 17 36.5	39.8N	115.9E	0	3.5L,3.4b	
BJI	**II**	**19 09 31 57.6**	**39.98N**	**113.49E**	**17**	**2.8L**	**¶97ii2757**
BJI	**II**	**23 21 05 58.8**	**38.34N**	**115.90E**	**12**	**3.4L**	**¶97ii3374**
BJI	**II**	**26 10 04 16.5**	**40.65N**	**122.65E**	**6**	**2.9L**	**¶97ii3775**
ISC	**II**	**28 12 43 18.2**±.65	**39.22N**±.090	**118.90E**±.075	**18**	3.4b	**13 2-70**
EIDC	II	28 12 43 17.4	39.2N	118.8E	0	3.2b,4.2L	**¶97ii4249**
BJI	II	28 12 43 18.4	39.15N	118.99E	18	3.9L	
NEIC	II	28 12 43 19.0	39.11N	118.88E	33	3.5b	
NEIC	Less reliable solution.						
ISC	**III**	**01 12 03 20.2**±.88	**40.5N**±.15	**112.9E**±.10	**12**	**3.7b**	**9 2-82**
BJI	III	01 12 03 22.2	40.20N	113.06E	12	3.1L	**¶97iii0104**
EIDC	III	01 12 03 23.8	40.9N	113.5E	0	3.6b,3.4L	
NEIC	III	01 12 03 24.2	40.97N	113.51E	10		
NEIC	Poor solution.						
BJI	**III**	**09 14 40 40.8**	**43.08N**	**117.18E**	**18**	**3.1L**	**¶97iii1989**
ISC	**III**	**21 13 30 42**±1.0	**40.4N**±.18	**114.1E**±.20	**33**	**3.5b**	**5 19-88**
EIDC	III	21 13 30 39.0	40.4N	114.1E	0	3.6b,3.5L	**¶97iii4078**
BJI	**III**	**22 07 20 01.5**	**37.54N**	**121.59E**	**4**	**3.4L**	**¶97iii4220**
BJI	**III**	**28 22 57 56.9**	**37.26N**	**121.53E**	**9**	**2.8L**	**¶97iii5498**
ISC	**III**	**30 11 37 55**±4.8	**40.1N**±.12	**112.9E**±.14	**24**±48		**6 1-71**
BJI	III	30 11 37 53.3	40.05N	112.82E	15	3.0L	**¶97iii5751**
BJI	**IV**	**01 09 18 46.4**	**37.41N**	**111.50E**	**9**	**3.3L**	**¶97iv0046**
ISC	**IV**	**12 07 05 05**±1.6	**38.19N**±.054	**120.50E**±.059	**9**±11	**4.0b**	**39 1-96**
EIDC	IV	12 07 05 05.2	38.3N	120.4E	0	3.9b,4.6L	**¶97iv2025**
BJI	IV	12 07 05 06.8	38.23N	120.38E	19	4.4L,4.0b	
NEIC	IV	12 07 05 07.4	38.31N	120.53E	33	4.5b	
MOS	IV	12 07 05 07.6	38.1N	120.5E	33	4.9b	
BJI	Ms3.8						

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
BJI	**IV**	**14 15 50 14.5**	**42.06N**	**123.25E**	**24**	**3.2L**		**¶97iv2482**
BJI	**IV**	**26 07 02 40.0**	**40.29N**	**112.05E**	**18**	**3.3L**		**¶97iv4481**
BJI	**IV**	**27 14 08 40.6**	**40.33N**	**112.30E**	**10**	**3.5L**		**¶97iv4738**
BJI	**IV**	**27 22 23 44.7**	**43.03N**	**125.87E**	**14**	**3.6L**		**¶97iv4799**
BJI	**IV**	**30 11 27 32.5**	**37.54N**	**112.57E**	**10**	**3.2L**		**¶97iv5210**
BJI	**V**	**01 01 26 37.1**	**37.87N**	**112.04E**	**5**	**2.9L**		**¶97v0011**
BJI	**V**	**01 07 41 03.2**	**40.59N**	**123.01E**	**15**	**3.0L**		**¶97v0059**
BJI	**V**	**20 15 13 31.9**	**42.01N**	**121.23E**	**18**	**2.9L**		**¶97v3425**
ISC	**V**	**25 06 59 09**±2.3	**40.89N**±.076	**114.88E**±.081	**23**±20	**3.9b**	**18**	**1-85**
EIDC	V	25 06 59 07.7	40.9N	115.0E	0	3.9b,3.9L		**¶97v4234**
BJI	V	25 06 59 09.3	40.92N	114.87E	23	4.2L,3.8s		
NEIC	V	25 06 59 10.9	40.94N	115.24E	33	4.2b		
NEIC	Less reliable solution.							
BJI	**V**	**28 05 28 15.0**	**39.68N**	**118.37E**	**14**	**2.9L**		**¶97v4664**
BJI	**VI**	**01 05 16 31.1**	**40.70N**	**122.44E**	**13**	**2.9L**		**¶97vi0027**
BJI	**VI**	**08 09 06 18.1**	**40.15N**	**113.21E**	**8**	**3.0L**		**¶97vi1205**
BJI	**VI**	**11 01 17 52.8**	**40.06N**	**112.14E**	**23**	**3.3L**		**¶97vi1601**
ISC	**VI**	**11 12 03 29.1**±.77	**41.34N**±.094	**122.14E**±.096	**17**	3.3b	**10**	**1-54**
BJI	VI	11 12 03 24.8	41.81N	121.73E	17	3.5L		**¶97vi1686**
EIDC	VI	11 12 03 32.0	41.5N	122.8E	0	3.9L,3.4b		
NEIC	VI	11 12 03 33.1	41.38N	122.74E	33			
NEIC	Single network solution.							
BJI	**VI**	**14 08 59 48.0**	**41.73N**	**121.62E**	**5**	**2.8L**		**¶97vi2105**
BJI	**VI**	**15 13 37 10.3**	**39.37N**	**122.22E**	**13**	**2.8L**		**¶97vi2306**
BJI	**VI**	**16 09 38 01.2**	**40.34N**	**112.14E**	**7**	**2.9L**		**¶97vi2439**
BJI	**VI**	**17 08 43 38.7**	**46.76N**	**119.84E**	**32**	**3.5L**		**¶97vi2582**

(659) North Korea.

BJI	**IV**	**09 06 39 19.3**	**41.25N**	**126.80E**	**14**	**3.0L**		**¶97iv1468**

(660) Sea of Japan.

ISC	**I**	**01 17 24 23.0**±.47	**36.91N**±.048	**135.55E**±.087	**366**±7.0	**3.3b**	**63**	**2-67**
NEIC	I	01 17 24 22.6	36.98N	135.51E	361	4.1b		**¶97i0091**
EIDC	I	01 17 24 23.8	37.1N	135.7E	360	2.8b		
JMA	I	01 17 24 24.6±.4	36.81N±.03	135.80E±.04	366±5			
NEIC	Less reliable solution.							
ISC	**I**	**18 21 24 37.2**±.18	**38.36N**±.038	**133.96E**±.047	**454**±4.6	**3.9b**	**162**	**2-81**
BJI	I	18 21 24 36.8	38.33N	133.84E	454	4.5b		**¶97i2717**
NEIC	I	18 21 24 37.0	38.34N	133.85E	450	4.2b		
JMA	I	18 21 24 37.1±.1	38.28N±.01	134.01E±.02	467±3			
EIDC	I	18 21 24 37.7	38.4N	133.9E	438	3.3b		
ISC	**I**	**19 17 42 56.9**±.74	**37.1N**±.15	**135.1E**±.13	**384**±11	2.5b	**9**	**3-57**
NEIC	I	19 17 42 56.8	37.11N	135.10E	383			**¶97i2869**
EIDC	I	19 17 42 58.2	37.1N	135.1E	370	2.4b		
NEIC	Less reliable solution.							
JMA	**I**	**24 18 12 59.5**±.5	**36.86N**±.07	**135.71E**±.07	**351**			**¶97i3675**
ISC	**II**	**02 18 48 42.6**±.32	**37.76N**±.049	**134.48E**±.062	**415**±5.9	**3.3b**	**112**	**2-94**
JMA	II	02 18 48 42.4±.2	37.70N±.01	134.52E±.02	425±3			**¶97ii0264**
NEIC	II	02 18 48 42.4	37.66N	134.35E	413	3.0b		
EIDC	II	02 18 48 43.5	37.5N	134.4E	414	3.1b		
NEIC	Less reliable solution.							
ISC	**II**	**05 00 57 46**±6.9	**37.0N**±.12	**135.8E**±.64	**382**±44		**38**	**2-10**
JMA	II	05 00 57 49.5±.4	37.01N±.02	136.04E±.04	360±4			**¶97ii0615**
EIDC	**II**	**07 23 57 31.8**	**41.0N**	**132.2E**	**0**	3.9b,4.1L		**6-62**
								¶97ii1059
ISC	**II**	**20 19 14 46**±6.7	**37.4N**±.16	**134.8E**±.94	**453**		**19**	**3-6**
JMA	II	20 19 14 51.8±.4	37.40N±.02	135.65E±.06	453			**¶97ii2965**
ISC	**II**	**27 20 50 51**±3.9	**37.5N**±.10	**135.9E**±.49	**321**		**26**	**2-10**
JMA	II	27 20 50 54.7±.4	37.38N±.03	136.36E±.05	321			**¶97ii4006**
ISC	**III**	**17 16 45 52.8**±.68	**38.0N**±.14	**134.0E**±.17	**455**±17	2.5b	**52**	**2-71**
JMA	III	17 16 45 53.1±.2	38.02N±.02	134.05E±.03	455			**¶97iii3402**
ISC	**IV**	**05 20 14 57.8**±.51	**38.18N**±.076	**134.34E**±.081	**441**±12	3.1b	**65**	**2-37**
JMA	IV	05 20 14 57.7±.1	38.15N±.02	134.39E±.02	448			**¶97iv0846**
EIDC	IV	05 20 14 58.7	38.2N	134.3E	427	2.8b		
ISC	**IV**	**10 19 48 00**±1.9	**37.2N**±.12	**134.9E**±.23	**420**±21		**51**	**2-10**
JMA	IV	10 19 48 02.1±.3	37.25N±.02	134.97E±.03	399±4			**¶97iv1740**
ISC	**V**	**09 10 30 55.0**±.47	**37.94N**±.057	**135.51E**±.090	**376**±9.0	**3.2b**	**69**	**1-80**
NEIC	V	09 10 30 54.9	37.96N	135.42E	365			**¶97v1408**
EIDC	V	09 10 30 56.0	37.9N	135.5E	359	3.0b		
JMA	V	09 10 30 56.3±.3	37.86N±.01	135.67E±.03	377±4			
NEIC	Single network solution.							
ISC	**V**	**12 03 59 24.4**±.20	**37.24N**±.037	**135.28E**±.043	**388**±3.9	**3.6b**	**150**	**1-160**
BJI	V	12 03 59 22.5	37.16N	135.28E	379	4.6b		**¶97v1889**
MOS	V	12 03 59 23.2	37.2N	135.2E	374	4.3b		
NEIC	V	12 03 59 23.6	37.22N	135.22E	379	4.0b		
EIDC	V	12 03 59 24.4	37.2N	135.3E	369	3.2b		
JMA	V	12 03 59 24.9±.1	37.21N±.01	135.31E±.01	386±2			
ISC	**VI**	**02 12 20 07**±6.2	**36.8N**±.24	**135.0E**±.46	**406**±53		**40**	**1-11**
JMA	VI	02 12 20 12.2±.3	36.92N±.03	135.31E±.05	364			**¶97vi0236**
ISC	**VI**	**02 13 02 44**±4.6	**37.3N**±.20	**135.5E**±.54	**407**±30		**32**	**2-10**
JMA	VI	02 13 02 46.5±.4	37.26N±.02	135.91E±.06	408			**¶97vi0243**
ISC	**VI**	**03 16 48 04**±12	**35.4N**±.87	**130.0E**±.27	**17**±35		**7**	**1-2**
JMA	VI	03 16 48 05.1±.2	35.30N±.01	130.09E±.01	14	2.8		**¶97vi0491**
ISC	**VI**	**03 17 14 56**±1.4	**38.5N**±.10	**134.0E**±.17	**26**		**24**	**2-6**
JMA	VI	03 17 14 54.8±.2	38.46N±.01	133.99E±.02	26	3.1		**¶97vi0494**
ISC	**VI**	**08 05 27 13.0**±.29	**38.43N**±.036	**134.98E**±.064	**416**±6.1	**3.6b**	**111**	**3-65**
MOS	VI	08 05 27 12.4	38.5N	134.9E	400	4.0b		**¶97vi1183**
BJI	VI	08 05 27 12.6	38.38N	134.81E	404	4.5b		
NEIC	VI	08 05 27 12.9	38.38N	134.93E	406			
JMA	VI	08 05 27 13.2±.2	38.36N±.01	135.08E±.02	428±4			
EIDC	VI	08 05 27 14.2	38.4N	134.9E	398	3.2b		
NEIC	Single network solution.							
ISC	**VI**	**14 20 37 46.6**±.51	**37.39N**±.064	**135.02E**±.091	**396**±8.2	**3.2b**	**65**	**2-66**
NEIC	VI	14 20 37 46.5	37.28N	135.01E	400			**¶97vi2172**
JMA	VI	14 20 37 47.5±.4	37.34N±.02	135.10E±.03	391±5			
EIDC	VI	14 20 37 47.5	37.2N	135.0E	388	2.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**27 03 11 31.9**±.18	**39.40N**±.033	**130.64E**±.036	**570**±3.8	**4.2b**	**210**	**3-152**
JMA	VI	27 03 11 31.0±.2	39.42N±.02	130.69E±.02	599±4			**¶97vi4228**
MOS	VI	27 03 11 31.1	39.3N	130.5E	567	4.6b		
NEIC	VI	27 03 11 31.3	39.29N	130.45E	563	4.3b		
BJI	VI	27 03 11 31.7	39.36N	130.55E	585	4.9b		
EIDC	VI	27 03 11 32.5	39.3N	130.6E	567	3.7b		

(661) Near east coast of Eastern Russia.

ISC	**V**	**04 03 26 25.8**±.22	**43.32N**±.028	**135.60E**±.042	**364**±3.5	**4.3b**	**184**	**3-160**
MOS	V	04 03 26 25.2	43.3N	135.6E	362	4.4b		**¶97v0550**
BJI	V	04 03 26 28.0	43.35N	135.30E	389	4.8b		
JMA	V	04 03 26 28.2±.2	43.11N±.01	136.18E±.03	406±4			
EIDC	V	04 03 26 28.2	43.3N	135.4E	376	3.8b		
NEIC	V	04 03 26 29.2	43.29N	135.31E	400	4.4b		

(662) Sakhalin.

SKHL	**I**	**03 06 06 21.2**	**53.18N**±.01	**142.70E**±.04	**8**			**¶97i0336**
SKHL	K8.0							
SKHL	**I**	**03 14 01 52.4**	**53.23N**±.05	**142.75E**±.11	**7**			**¶97i0389**
SKHL	K7.9							
SKHL	**I**	**03 17 15 04.0**	**53.18N**±.02	**142.74E**±.07	**10**			**¶97i0405**
SKHL	K7.7							
ISC	**I**	**05 00 57 50**±1.6	**52.53N**±.083	**142.9E**±.33	**10**		**4**	**1-3**
SKHL	I	05 00 57 49.5	52.60N±.05	142.86E±.10	10			**¶97i0603**
ISC	Poorly determined							
SKHL	K8.5							
SKHL	**I**	**08 02 16 13.9**	**52.81N**±.04	**141.88E**±.08	**8**±2			**¶97i1006**
SKHL	K7.6							
ISC	**I**	**08 10 55 00**±1.6	**53.1N**±.12	**142.7E**±.21	**8**±17	3.8b	**7**	**0-77**
SKHL	I	08 10 54 59.9	53.14N±.06	142.69E±.14	10±2			**¶97i1051**
EIDC	I	08 10 56 53.5	45.4N	143.3E	700	2.7b		
SKHL	K8.7. Felt I=III−IV MSK at Vostochnoe; I=III at Ehabi, Tungor, Okha, Kolendo; I=II−III at Ozernoe							
SKHL	**I**	**08 20 43 28.2**	**52.63N**±.05	**142.68E**±.17	**8**			**¶97i1114**
SKHL	K8.3							
ISC	**I**	**09 08 42 43**±2.8	**52.58N**±.065	**142.7E**±.19	**25**±22	**4.1b**	**18**	**1-76**
SKHL	I	09 08 42 37.6	52.51N±.06	142.77E±.17	13±2			**¶97i1193**
EIDC	I	09 08 42 40.7	52.6N	142.7E	0	4.1b,3.8L		
NEIC	I	09 08 42 43.8	52.59N	142.48E	33	4.0b		
SKHL	K9.8							
NEIC	Less reliable solution.							
SKHL	**I**	**11 05 07 11.4**	**52.52N**±.03	**142.68E**±.09	**11**			**¶97i1467**
SKHL	K8.4							
SKHL	**I**	**11 05 12 24.0**	**52.53N**±.01	**142.71E**±.03	**11**±1			**¶97i1468**
SKHL	K8.1							
SKHL	**I**	**11 12 09 10.9**	**54.84N**±.04	**142.51E**±.10	**10**			**¶97i1517**
SKHL	K7.7							
SKHL	**I**	**12 01 48 50.5**	**52.87N**±.01	**142.89E**±.03	**10**			**¶97i1609**
SKHL	K7.6							
SKHL	**I**	**12 13 28 54.0**	**52.27N**±.02	**142.01E**±.07	**9**±1			**¶97i1687**
SKHL	K7.6							
SKHL	**I**	**15 02 39 26.1**	**52.87N**±.06	**142.79E**±.05	**9**±2			**¶97i2086**
SKHL	K7.8							
ISC	**I**	**15 19 01 34**±1.1	**52.89N**±.070	**142.6E**±.22	**9**		**5**	**1-6**
SKHL	I	15 19 01 33.1	52.91N±.04	142.54E±.08	9±2			**¶97i2195**
SKHL	K8.4							
SKHL	**I**	**15 23 36 58.7**	**52.53N**±.02	**142.90E**±.08	**11**			**¶97i2223**
SKHL	K7.6							
EIDC	**I**	**18 06 46 57.9**	**46.5N**	**143.2E**	**0**	**3.5b**		**41-83**
								¶97i2617
SKHL	**I**	**19 04 59 23.8**	**53.11N**±.01	**142.76E**±.03	**9**±2			**¶97i2784**
SKHL	K8.0							
ISC	**I**	**22 20 51 22.9**±.83	**51.27N**±.061	**143.7E**±.18	**10**	**3.4b**	**9**	**1-75**
SKHL	I	22 20 51 23.1	51.32N±.07	143.61E±.23	10			**¶97i3383**
EIDC	I	22 20 51 26.0	50.5N	146.3E	0	3.4b		
SKHL	K8.2							
SKHL	**I**	**23 01 56 24.2**	**53.12N**	**142.75E**±.01	**9**±2			**¶97i3421**
SKHL	K7.6							
SKHL	**I**	**25 21 45 58.6**	**52.82N**±.03	**142.86E**±.10	**10**			**¶97i3852**
SKHL	K7.7							
SKHL	**I**	**27 22 33 15.1**	**52.55N**±.02	**142.81E**±.07	**10**			**¶97i4136**
SKHL	K7.8							
SKHL	**I**	**31 06 30 15.5**	**52.56N**±.05	**142.46E**±.13	**11**			**¶97i4595**
SKHL	K7.9							
SKHL	**II**	**06 08 56 03.0**	**52.80N**±.04	**142.74E**±.12	**7**			**¶97ii0814**
SKHL	K7.7							
ISC	**II**	**07 13 33 49**±1.3	**51.08N**±.079	**142.5E**±.27	**17**±12	**3.6b**	**11**	**0-75**
SKHL	II	07 13 33 47.1	51.11N±.03	142.29E±.08	9±1			**¶97ii0993**
NEIC	II	07 13 33 50.9	51.16N	142.41E	33	3.3b		
EIDC	II	07 13 33 52.5	51.1N	142.6E	29	3.4b		
SKHL	K8.1							
NEIC	Poor solution.							
ISC	**II**	**08 20 32 36**±1.4	**48.0N**±.25	**142.7E**±.38	**33**	**3.5b**	**4**	**36-72**
EIDC	II	08 20 32 33.3	47.9N	142.8E	0	3.5b		**¶97ii1203**
ISC	Poorly determined							
ISC	**II**	**10 08 04 27**±1.2	**52.72N**±.066	**142.7E**±.21	**10**		**6**	**1-8**
SKHL	II	10 08 04 26.1	52.75N±.05	142.71E±.09	10±2			**¶97ii1436**
SKHL	K8.5 Felt I=II MSK at Okha							
SKHL	**II**	**11 21 06 57.5**	**52.64N**±.03	**142.73E**±.09	**10**±2			**¶97ii1672**
SKHL	K8.2							
SKHL	**III**	**06 18 40 19.6**	**52.90N**±.02	**142.93E**±.06	**9**±1			**¶97iii1332**
SKHL	K8.1							
SKHL	**III**	**09 13 03 47.8**	**53.89N**±.03	**142.69E**±.07	**10**±2			**¶97iii1970**
SKHL	K7.6. Felt I=III−IV MSK at Kolendo; I=II at Nekrasovka, Moskalvo							
SKHL	**III**	**10 11 28 19.5**	**52.63N**±.02	**142.90E**±.08				**¶97iii2204**
SKHL	**III**	**11 07 27 30.1**	**54.45N**±.06	**142.77E**±.22	**10**±2			**¶97iii2333**
SKHL	K8.4							
ISC	**III**	**17 07 46 26**±1.6	**53.16N**±.052	**142.9E**±.11	**3**±9.8	**4.1b**	**29**	**0-83**
SKHL	III	17 07 46 26.0	53.12N±.04	142.70E±.07	10±2			**¶97iii3339**
BJI	III	17 07 46 27.2	53.29N	143.14E	14	4.1b		
NEIC	III	17 07 46 27.3	53.19N	142.82E	10	4.5b		
EIDC	III	17 07 46 27.5	53.2N	142.9E	0	3.9b,3.9L		
MOS	III	17 07 46 30.3	53.1N	143.1E	33	4.5b		
SKHL	K8.9. Felt I=IV−V MSK at Sabo, Tungor; I=III−IV at Okha,Kolendo, Laguri; I=II−III at Nekrasovka; I=II at Ribnovsk							
NEIC	Less reliable solution.							
MOS	Felt I=III−IV MSK at Okha, I=III at Moskalvo.							
ISC	**III**	**23 18 11 31.5**±.36	**52.93N**±.046	**143.01E**±.095	**12**	**4.0b,3.8s**	**38**	**1-83**
SKHL	III	23 18 11 29.7	52.99N±.05	142.54E±.12	12±2			**¶97iii4470**
NEIC	III	23 18 11 30.7	52.87N	142.85E	10	4.0b,4.0s		
EIDC	III	23 18 11 30.8	52.9N	142.8E	0	4.0b,3.9L		
MOS	III	23 18 11 31.4	53.0N	143.0E	10	4.4b		
BJI	III	23 18 11 34.2	53.85N	142.39E	5	4.0b,4.7s		
SKHL	K9.7. Felt I=IV MSK at Sabo; I=III at Okha, Ehabi, Kolendo; I=II at Nikolaevsk−na−Amure							
NEIC	Less reliable solution.							
MOS	Felt I=IV MSK Sabo, III−IV Okha, Kalendo, III Ekhabi, II Nikolayevsk−na−Amure							

SKHL	**III**	**25 15 17 26.3**	**52.57N**±.02	**142.72E**±.04	**9**±2				**¶97iii4750**
SKHL	K7.6								
SKHL	**III**	**29 08 53 35.1**	**52.44N**±.03	**142.38E**±.09	**11**				**¶97iii5563**
SKHL	K7.7								
SKHL	**III**	**29 14 31 15.2**	**52.73N**±.03	**142.76E**±.09	**10**				**¶97iii5603**
SKHL	K8.0								
SKHL	**IV**	**21 16 25 06.2**	**52.55N**±.05	**142.91E**±.17	**11**				**¶97iv3532**
SKHL	K8.0								
SKHL	**IV**	**24 09 54 17.0**	**53.19N**±.03	**142.69E**±.06	**9**±2				**¶97iv4119**
SKHL	K8.5.		Felt I=II−III MSK at Sabo, Tungor						
ISC	**IV**	**26 23 38 40**±1.0	**53.2N**±.13	**142.2E**±.21	**33**	**3.2b**		**6**	**15-50**
EIDC	IV	26 23 38 37.2	53.3N	142.2E	0	3.2b,4.1L			**¶97iv4625**
NEIC	IV	26 23 38 39.6	53.23N	142.16E	33				
NEIC	Single network solution.								
ISC	**IV**	**29 10 22 53**±1.2	**53.17N**±.058	**142.7E**±.15	**15**±10	**3.8b**		**16**	**0-80**
SKHL	IV	29 10 22 51.4	53.10N±.05	142.72E±.15	9±2				**¶97iv5059**
EIDC	IV	29 10 22 52.5	53.3N	142.9E	0	3.8b,3.9L			
NEIC	IV	29 10 22 55.7	53.34N	142.65E	33	4.0b			
SKHL	8K.7		Felt I=IV−V MSK at Sabo; I=IV at Tungor; I=II−III at Okha, Ozerniy						
NEIC	Less reliable solution.								
SKHL	**V**	**07 12 34 41.1**	**53.06N**±.03	**142.65E**±.07	**10**				**¶97v1104**
SKHL	K8.0								
SKHL	**V**	**08 10 39 09.1**	**52.54N**±.02	**142.82E**±.06	**10**				**¶97v1226**
SKHL	K8.1. Felt I=II−III MSK at Sabo								
ISC	**V**	**08 16 44 02.3**±.91	**47.93N**±.086	**143.8E**±.17	**15**	**3.4b**		**9**	**1-82**
SKHL	V	08 16 44 00.6	47.98N±.03	143.91E±.06	15				**¶97v1278**
EIDC	V	08 16 44 14.5	47.2N	149.0E	0	3.4b,4.3L			
SKHL	K8.5								
SKHL	**V**	**09 00 37 09.1**	**52.98N**±.04	**142.85E**±.13	**10**				**¶97v1333**
SKHL	K9.0. Felt I=III−IV MSK at Sabo, I=III at Tungor, I=II at Okha								
SKHL	**V**	**10 12 41 56.0**	**52.85N**±.02	**142.82E**±.08	**10**±1				**¶97v1601**
SKHL	K7.8. Felt I=III MSK at Sabo								
SKHL	**V**	**10 14 03 48.1**	**53.02N**	**142.94E**	**10**				**¶97v1612**
SKHL	K8.0. Felt I=II−III MSK at Sabo								
ISC	**V**	**16 23 12 45**±1.4	**53.13N**±.070	**142.9E**±.16	**27**±11	**3.7b**		**17**	**0-83**
SKHL	V	16 23 12 40.8	52.97N±.05	142.94E±.12	11±1				**¶97v2842**
EIDC	V	16 23 12 42.3	53.1N	143.0E	0	3.7b			
SKHL	K 8.9. Felt I=V−VI MSK at Sabo; I=IV at Tungor; I=III at Ehabi, Ozernii, Okha; I=II−III at Vostochnii, Kolendo								
ISC	**V**	**30 16 17 13**±3.6	**46.0N**±.39	**143.8E**±.39	**354**			**15**	**2-7**
JMA	V	30 16 17 13.5±.5	45.96N±.06	143.89E±.08	354				**¶97v5060**
SKHL	**VI**	**01 12 14 20.1**	**52.74N**±.03	**142.84E**±.10	**10**				**¶97vi0080**
SKHL	K8.8								
SKHL	**VI**	**04 09 15 49.4**	**52.91N**±.03	**142.24E**±.06	**10**				**¶97vi0589**
SKHL	K7.8								
ISC	**VI**	**13 08 00 01.4**±.64	**52.65N**±.065	**142.9E**±.15	**10**	**3.7b**		**15**	**1-134**
SKHL	VI	13 08 00 00.3	52.63N±.02	142.88E±.04	10				**¶97vi1949**
NEIC	VI	13 08 00 11.2	52.95N	142.55E	100	3.6b			
EIDC	VI	13 08 00 15.6	52.9N	142.7E	127	3.3b			
SKHL	K9.3								
NEIC	Less reliable solution.								
SKHL	**VI**	**20 12 22 12.1**	**53.07N**±.01	**142.59E**±.03	**10**				**¶97vi3054**
SKHL	K8.4								
ISC	**VI**	**27 09 35 34**±1.4	**52.95N**±.046	**142.9E**±.11	**22**±11	**4.0b**,4.2s		**34**	**1-83**
SKHL	VI	27 09 35 32.0	52.91N±.05	142.75E±.11	10				**¶97vi4271**
EIDC	VI	27 09 35 32.8	53.0N	142.9E	0	4.0b,3.3L			
BJI	VI	27 09 35 33.9	52.84N	143.03E	30	3.9b,4.3s			
MOS	VI	27 09 35 35.3	52.9N	142.9E	33	4.4b			
NEIC	VI	27 09 35 35.4	52.98N	142.85E	33	4.2b			
SKHL	K9.9								

(663) Sea of Okhotsk.

ISC	**I**	**03 09 52 14.8**±.92	**49.0N**±.27	**147.0E**±.49	**33**	**3.2b**		**6**	**37-80**
EIDC	I	03 09 52 09.8	49.6N	145.1E	0	3.3b			**¶97i0352**
EIDC	**I**	**30 11 11 14.1**	**51.2N**	**147.4E**	**0**	**3.3b**			**36-78**
									¶97i4477
ISC	**I**	**30 21 50 47.9**±.75	**46.4N**±.25	**145.0E**±.23	**419**±25	**3.1b**		**31**	**3-54**
EIDC	I	30 21 49 51.3	43.5N	145.5E	0	3.6b,4.5L			**¶97i4547**
NEIC	I	30 21 49 58.4	43.14N	145.30E	100				
JMA	I	30 21 50 49.2±.3	46.44N±.04	145.04E±.07	396				
NEIC	Less reliable solution.								
ISC	**II**	**12 00 46 30.3**±.27	**46.51N**±.035	**145.94E**±.057	**337**±3.6	**4.1b**		**140**	**2-153**
BJI	II	12 00 46 28.7	46.68N	146.03E	333	4.6b			**¶97ii1692**
NEIC	II	12 00 46 29.5	46.84N	145.74E	319	4.2b			
MOS	II	12 00 46 30.9	46.6N	145.9E	342	4.2b			
EIDC	II	12 00 46 30.9	46.7N	145.9E	326	3.9b			
SKHL	II	12 00 46 31.0	46.55N±.22	146.00E±.35	335				
JMA	II	12 00 46 32.9±.4	46.10N±.03	146.04E±.05	344±4				
ISC	**II**	**17 00 48 20.0**±.91	**53.8N**±.17	**153.9E**±.27	**481**±14	**3.2b**		**12**	**3-79**
MOS	II	17 00 48 20.8	54.4N	153.9E	426	4.1b			**¶97ii2441**
NEIC	II	17 00 48 21.7	53.89N	153.88E	500				
EIDC	II	17 00 48 23.4	53.8N	153.8E	506	2.8b			
NEIC	Single network solution.								
ISC	**II**	**26 14 17 41.7**±.55	**47.23N**±.079	**146.0E**±.16	**431**±7.3	**3.6b**		**54**	**3-81**
NEIC	II	26 14 17 43.4	47.35N	145.75E	450				**¶97ii3800**
JMA	II	26 14 17 43.6±.3	46.90N±.03	146.10E±.06	437				
EIDC	II	26 14 17 44.2	47.4N	145.8E	440	3.3b			
NEIC	Single network solution.								
ISC	**III**	**13 18 17 13**±3.2	**53.5N**±.27	**153.6E**±.27	**578**±44	**3.4b**		**15**	**21-76**
NEIC	III	13 18 17 11.4	53.49N	153.59E	550				**¶97iii2748**
EIDC	III	13 18 17 13.9	53.4N	153.5E	569	2.9b			
NEIC	Less reliable solution.								
EIDC	**III**	**18 14 58 22.1**	**52.8N**	**151.3E**	**520**	**2.6b**			**33-78**
									¶97iii3555
ISC	**IV**	**15 00 34 33.0**±.26	**48.59N**±.037	**147.72E**±.049	**486**±4.2	**4.5b**		**195**	**3-152**
BJI	IV	15 00 34 30.5	48.71N	147.81E	463	4.9b			**¶97iv2536**
SKHL	IV	15 00 34 33.0	48.4N±.12	147.8E±.14	529±8				
NEIC	IV	15 00 34 33.3	48.70N	147.64E	492	4.5b			
MOS	IV	15 00 34 33.9	48.7N	147.7E	495	4.6b			
EIDC	IV	15 00 34 34.5	48.7N	147.7E	494	4.0b			
JMA	IV	15 00 34 36.0±.3	47.97N±.03	148.28E±.06	471				
ISC	**IV**	**25 19 55 39**±3.7	**53.2N**±.15	**153.4E**±.26	**515**±51	**3.2b**		**10**	**20-78**
NEIC	IV	25 19 55 38.2	53.25N	153.41E	500				**¶97iv4408**
EIDC	IV	25 19 55 39.4	53.2N	153.4E	500	2.8b			
NEIC	Single network solution.								
ISC	**IV**	**29 21 13 17.1**±.48	**49.15N**±.066	**147.3E**±.10	**576**±5.9	**3.9b**		**69**	**3-150**
BJI	IV	29 21 13 12.1	49.30N	147.30E	507	4.6b			**¶97iv5123**
NEIC	IV	29 21 13 12.1	49.30N	147.27E	507	4.0b			
SKHL	IV	29 21 13 17.0	49.1N±.09	147.3E±.11	580±3				
MOS	IV	29 21 13 17.1	49.1N	147.3E	582	4.1b			
EIDC	IV	29 21 13 17.8	49.2N	147.2E	570	3.2b			
NEIC	Less reliable solution.								
ISC	**V**	**18 11 56 40**±1.3	**48.3N**±.34	**147.2E**±.38	**400**	**3.1b**		**6**	**18-80**
EIDC	V	18 11 56 43.1	48.1N	147.2E	438	2.8b			**¶97v3074**
ISC	**V**	**28 09 10 33.1**±.21	**46.78N**±.023	**145.06E**±.047	**379**±2.7	**4.6b**		**307**	**2-147**
NEIC	V	28 09 10 30.7	46.93N	145.01E	351	4.5b			**¶97v4691**
BJI	V	28 09 10 32.1	46.96N	145.13E	371	4.9b			
MOS	V	28 09 10 32.3	46.9N	145.0E	366	4.9b			
SKHL	V	28 09 10 33.0	46.8N±.07	145.1E±.14	376±9				
EIDC	V	28 09 10 33.4	46.8N	144.9E	373	4.0b			
JMA	V	28 09 10 34.5±.3	46.47N±.02	145.28E±.04	391±2				

(664) Eastern China.

BJI	**I**	**02 13 39 24.0**	**35.53N**	**111.18E**	**27**	**2.8L**			**¶97i0217**
EIDC	**I**	**29 02 42 12.9**	**32.0N**	**119.5E**	**0**	**3.6b**,3.6L			**9-57**
									¶97i4292
BJI	**II**	**26 01 12 36.7**	**24.23N**	**105.22E**	**25**	**3.6L**			**¶97ii3723**
BJI	**III**	**01 11 34 38.4**	**32.05N**	**110.56E**	**7**	**3.1L**			**¶97iii0099**
ISC	**III**	**22 23 02 21**±1.3	**35.4N**±.10	**111.6E**±.12	**13**			**7**	**2-6**
BJI	III	22 23 02 21.3	35.46N	111.51E	13	3.4L			**¶97iii4334**
ISC	**III**	**25 03 41 23**±1.0	**35.69N**±.080	**119.0E**±.15	**5**			**5**	**2-7**
BJI	III	25 03 41 20.3	35.78N	119.02E	5	3.4L			**¶97iii4668**
BJI	**IV**	**02 23 27 49.8**	**27.31N**	**106.08E**	**26**	**3.2L**			**¶97iv0349**
BJI	**IV**	**11 09 45 17.2**	**31.50N**	**114.55E**	**5**	**3.2L**			**¶97iv1857**
BJI	**IV**	**23 08 54 39.8**	**35.22N**	**109.97E**	**5**	**4.0L,4.1s**			**¶97iv3924**
BJI	**IV**	**26 22 54 49.6**	**21.97N**	**111.42E**	**15**	**3.2L**			**¶97iv4616**
BJI	**V**	**21 05 52 18.8**	**34.23N**	**113.15E**	**10**	**2.9L**			**¶97v3523**
BJI	**VI**	**12 05 34 49.3**	**24.56N**	**113.08E**	**14**	**3.5L**			**¶97vi1805**
BJI	**VI**	**13 02 47 02.4**	**24.47N**	**113.03E**	**14**	**3.2L**			**¶97vi1926**

(665) Yellow Sea.

ISC	**I**	**14 18 49 00**±1.0	**35.19N**±.068	**121.19E**±.096	**59**±11	**3.8b**		**26**	**3-73**
BJI	I	14 18 48 56.4	35.04N	121.42E	18	4.5L,4.4b			**¶97i2037**
NEIC	I	14 18 49 00.2	35.02N	121.65E	39	3.9b			
EIDC	I	14 18 49 01.0	35.2N	120.9E	38	3.4b			
BJI	Ms4.1								
NEIC	Poor solution.								
ISC	**III**	**31 19 31 01**±2.0	**33.55N**±.056	**121.22E**±.071	**23**±16	**4.1b**,4.0s		**32**	**2-77**
BJI	III	31 19 30 59.3	33.46N	121.31E	17	4.5L,3.9b			**¶97iii5920**
EIDC	III	31 19 30 59.5	33.6N	121.2E	0	4.1b,3.7L			
NEIC	III	31 19 31 01.8	33.58N	121.25E	33	4.2b			
BJI	Ms4.2								
ISC	**VI**	**25 11 33 47.2**±.71	**33.63N**±.070	**122.22E**±.092	**13**	**3.6b**		**15**	**3-74**
BJI	VI	25 11 33 45.4	33.73N	122.45E	13	4.3L			**¶97vi3927**
EIDC	VI	25 11 33 46.5	33.6N	122.2E	0	3.8L,3.6b			
NEIC	VI	25 11 33 46.9	33.63N	122.08E	10				
NEIC	Less reliable solution.								

(666) Off coast of Eastern China.

BJI	**I**	**18 06 35 22.4**	**31.80N**	**123.79E**	**28**	**3.9L,3.9s**			**¶97i2615**
ISC	**II**	**14 08 37 26.4**±.87	**32.1N**±.12	**123.22E**±.082	**15**	**3.9b**		**14**	**2-75**
BJI	II	14 08 37 25.7	31.87N	123.33E	15	4.4L,4.1b			**¶97ii2043**
EIDC	II	14 08 37 27.2	32.0N	123.3E	0	3.8b,3.6L			
NEIC	II	14 08 37 28.6	32.14N	123.23E	33	4.0b			
BJI	Ms4.2								
NEIC	M_L4.4(BJI), Less reliable solution.								
BJI	**V**	**02 02 21 30.9**	**28.94N**	**122.77E**	**5**	**3.4L,4.6b**			**¶97v0197**
BJI	Ms3.4								

SEISMIC REGION 42.
NORTHEASTERN ASIA, NORTHERN ALASKA TO GREENLAND.

(668) New Siberian Islands.

ISC	**III**	**17 11 20 12**±1.0	**74.1N**±.21	**143.2E**±.28	**10**	**3.8b**		**14**	**17-68**
NEIC	III	17 11 20 10.0	73.77N	142.93E	10	3.9b			**¶97iii3371**
EIDC	III	17 11 20 10.2	73.9N	142.5E	0	3.7b,3.7L			
MOS	III	17 11 20 11.3	74.0N	142.9E	10	4.9b			
NEIC	Less reliable solution.								

(670) Near north coast of Eastern Siberia.

ISC	**I**	**13 07 55 10**±3.5	**67.0N**±.22	**172.3W**±.89	**10**	**3.6b**		**7**	**11-55**
EIDC	I	13 07 55 21.8	67.4N	171.2W	65	3.4b,3.7L			**¶97i1801**
ISC	**II**	**21 04 59 52.8**±.94	**66.7N**±.20	**172.6W**±.24	**10**	**3.3b**		**7**	**11-41**
NEIC	II	21 04 59 52.7	66.69N	172.60W	10				**¶97iii3018**
EIDC	II	21 04 59 52.9	66.9N	172.8W	0	3.5b,2.9L			
NEIC	Single network solution.								
ISC	**III**	**24 06 56 13.3**±.17	**67.07N**±.038	**173.31W**±.054	**7**	**5.1b,4.8s**		**223**	**4-157**
BJI	III	24 06 56 11.0	66.97N	173.16W	7	5.3b,5.4s			**¶97iii4542**
NEIC	III	24 06 56 13.6	67.07N	173.41W	10	5.1b,4.6s			
EIDC	III	24 06 56 13.7	67.1N	173.4W	0	4.6b,4.6s			
MOS	III	24 06 56 14.0	67.1N	173.2W	10	5.3b,4.8s			
HRVD	III	24 06 56 17.8±.8	67.08N±.13	174.16W±.42	15				
NEIC	Mw5.1(HRV).								
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s12,c15; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−2.53±.43; $M_{\theta\theta}$5.66±.47; $M_{\phi\phi}$−3.12±.33; $M_{r\theta}$−2.02±2.71; $M_{r\phi}$0.42±1.76; $M_{\theta\phi}$−0.33±.81. Principal Axes: T 6.15,Plg13°,Azm183°; N −2.74,Plg49°,Azm288°; P −3.41,Plg38°,Azm82°. Best double couple: $M_0$4.8×10^{16}Nm, NP1: ϕ_S230°,δ53°,λ−160°. NP2:ϕ_S127°,δ74°,λ−39°.							
ISC	**V**	**19 16 42 11**±1.6	**67.1N**±.21	**172.3W**±.47	**10**	**3.4b**		**9**	**4-41**
EIDC	V	19 16 42 09.4	67.0N	172.8W	0	3.4b,3.6L			**¶97v3284**
NEIC	V	19 16 42 11.2	67.10N	172.28W	10				
NEIC	Poor solution.								

(671) Eastern Siberia.

ISC	**I**	**03 21 51 27**±2.3	**60.93N**±.029	**167.37E**±.040	**1**±14	**5.6b,5.0s**		**460**	**5-157**
KRSC	I	03 21 51 20.7	61.59N	167.91E	20	5.0b			**¶97i0432**
BJI	I	03 21 51 27.3	61.02N	167.32E	10	5.3b,5.4s			
NEIC	I	03 21 51 28.3	60.96N	167.40E	10	5.7b,4.9s			
MOS	I	03 21 51 28.5	61.0N	167.4E	10	6.0b,5.6s			
EIDC	I	03 21 51 28.5	61.0N	167.3E	0	5.2b,4.5s			
HRVD	I	03 21 51 31.6±.3	60.86N±.05	167.71E±.09	15				
KRSC	Felt I=III MSK Khailino, Tilichiki, I=II Ossora								
NEIC	Mw5.4(GS), Me5.4(GS).								

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °

NEIC Mw 5.4 (HRV).
NEIC Radiated energy from the P−wave first−motion solution: 2.7±0.6×10^{12}Nm/10
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S215°,δ55°,λ90°. NP2:ϕ_S35°,δ35°,λ90°. Principal axes: T Plg80°,Azm125°; P Plg10°,Azm305°. Depth from synthetics of broadband displacement seismograms.
NEIC Moment tensor solution: s10, scale 10^{17}Nm; M_{rr}0.94; $M_{\theta\theta}$0.12; $M_{\phi\phi}$−1.06; $M_{r\theta}$−0.61; $M_{r\phi}$−0.76; $M_{\theta\phi}$−0.56. Depth 9km; Principal axes: T 1.35,Plg66°,Azm150°; N 0.28,Plg13°, Azm30°; P −1.63,Plg20°,Azm295°. Best double couple: $M_0$1.5×10^{17}Nm; NP1:ϕ_S3°,δ27°, λ61°. NP2:ϕ_S215°,δ66°,λ104°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c52; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}8.13±.33; $M_{\theta\theta}$−1.99±.39; $M_{\phi\phi}$−6.14±.35; $M_{r\theta}$−5.91±1.37; $M_{r\phi}$−8.96±1.78; $M_{\theta\phi}$−4.37±.46. Principal Axes: T 13.3,Plg64°,Azm124°; N 0.8,Plg1°,Azm33°; P −14.1,Plg26°,Azm303°. Best double couple: $M_0$1.4×10^{17}Nm, NP1: ϕ_S31°,δ19°,λ88°. NP2:ϕ_S213°,δ71°,λ91°.

ISC	**I**	**03 22 40 44**±3.8	**61.03N**±.070	**167.20E**±.086	**28**±27	**4.4b**		**76**	**17-89**
BJI	I	03 22 40 38.2	60.91N	167.92E	14	4.7b			**¶97i0441**
NEIC	I	03 22 40 41.0	61.06N	167.13E	10	4.7b			
EIDC	I	03 22 40 41.0	61.0N	167.2E	0	4.3b			
MOS	I	03 22 40 41.8	61.1N	167.1E	10	4.8b			
ISC	**I**	**04 06 12 53**±1.2	**60.8N**±.20	**167.4E**±.27	**10**	**3.9b**		**9**	**21-85**
NEIC	I	04 06 12 53.2	60.80N	167.39E	10				**¶97i0487**
EIDC	I	04 06 12 53.2	60.7N	167.4E	0	3.8b			
NEIC	Less reliable solution.								
ISC	**I**	**04 06 13 45**±1.2	**61.0N**±.21	**167.2E**±.33	**10**	**4.0b**		**7**	**21-85**
NEIC	I	04 06 13 44.4	61.00N	167.27E	10				**¶97i0488**
EIDC	I	04 06 13 44.6	60.9N	167.2E	0	3.9b			
NEIC	Less reliable solution.								
ISC	**II**	**20 21 22 08**±1.2	**60.2N**±.22	**148.2E**±.26	**33**	**3.8b**		**6**	**18-80**
EIDC	II	20 21 22 04.5	60.1N	148.1E	0	3.7b,3.6L			**¶97ii2979**
ISC	**IV**	**25 01 31 20**±1.4	**63.5N**±.36	**144.5E**±.37	**0**	**3.6b**		**4**	**16-87**
EIDC	IV	25 01 31 21.5	63.5N	144.3E	0	3.6b,4.8L			**¶97iv4251**
ISC	Poorly determined								
ISC	**VI**	**18 06 13 47**±1.7	**65.0N**±.11	**137.3E**±.17	**39**±20	**4.0b**		**23**	**5-85**
NEIC	VI	18 06 13 41.6	64.82N	137.30E	10	3.9b			**¶97vi2734**
MOS	VI	18 06 13 43.8	65.0N	137.1E	10	4.3b			
EIDC	VI	18 06 13 45.4	64.9N	137.1E	18	3.9b,4.6L			
NEIC	Less reliable solution.								
ISC	**VI**	**20 04 57 04.3**±.64	**64.8N**±.12	**146.9E**±.18	**33**	**3.6b**		**13**	**3-72**
EIDC	VI	20 04 57 02.2	64.8N	147.0E	0	3.7b,4.6L			**¶97vi3015**
NEIC	VI	20 04 57 04.5	64.78N	147.05E	33	3.5b			
MOS	VI	20 04 57 04.6	64.7N	147.0E	33	4.0b			
NEIC	Less reliable solution.								
ISC	**VI**	**20 16 19 59.2**±.88	**61.1N**±.17	**167.1E**±.24	**33**	**3.7b**		**12**	**21-85**
EIDC	VI	20 16 19 56.0	61.0N	167.1E	0	3.7b			**¶97vi3080**
NEIC	VI	20 16 19 59.1	61.08N	167.04E	33				
NEIC	Single network solution.								

(673) Bering Strait.

ISC	**I**	**12 10 29 10**±1.8	**64.7N**±.15	**170.9W**±.35	**10**	**3.7b**		**16**	**7-53**
EIDC	I	12 10 29 07.2	64.2N	171.3W	0	3.7b,3.8L			**¶97i1663**
NEIC	I	12 10 29 11.2	64.81N	170.67W	10				
NEIC	Poor solution.								

(675) Beaufort Sea.

ISC	**II**	**13 20 25 36**±2.2	**72.5N**±.13	**137.0W**±.73	**18**			**7**	**4-13**
OTT	II	13 20 25 37.5	72.6N	137.3W	18	4.1L			**¶97ii1976**
OTT	Beaufort Sea. 382km north from Tuktoyaktuk, Northwest Territories.								
ISC	**III**	**19 20 08 59.9**±.67	**70.58N**±.065	**132.3W**±.31	**10**	**3.8b**		**11**	**2-53**
EIDC	III	19 20 08 59.9	70.6N	132.5W	0	3.8L,3.8b			**¶97iii3759**
NEIC	III	19 20 09 00.2	70.61N	132.09W	10				
PGC	III	19 20 09 05.3	70.6N	132.5W	35	3.8L			
NEIC	Less reliable solution.								
PGC	Beaufort Sea.								

(676) Alaska.

ISC	**I**	**01 21 23 11.0**±.83	**65.16N**±.064	**148.6W**±.14	**11**			**14**	**0-4**
NEIC	I	01 21 23 11.3	65.13N	148.60W	11				**¶97i0122**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**I**	**06 13 58 20.4**±.57	**65.23N**±.045	**152.6W**±.12	**0**			**24**	**1-5**
NEIC	I	06 13 58 20.7	65.23N	152.54W	0				**¶97i0791**
NEIC	M_L3.4(PMR), M_L3.2(AEIC), After AEIC.								
ISC	**I**	**27 23 10 01.2**±.71	**65.87N**±.059	**146.8W**±.16	**5**			**13**	**1-4**
NEIC	I	27 23 10 01.7	65.82N	146.62W	5				**¶97i4140**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**I**	**31 20 22 56.8**±.92	**65.70N**±.050	**145.4W**±.18	**18**±9.1			**24**	**0-4**
NEIC	I	31 20 22 56.0	65.69N	145.16W	14				**¶97i4670**
NEIC	M_L2.9(AEIC), After AEIC.								
ISC	**II**	**17 03 40 23.0**±.80	**66.11N**±.074	**150.3W**±.14	**29**			**15**	**1-3**
NEIC	II	17 03 40 23.1	66.13N	150.24W	29				**¶97ii2449**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**II**	**17 23 19 37**±1.1	**65.19N**±.050	**148.7W**±.11	**7**±8.9			**22**	**0-4**
NEIC	II	17 23 19 38.5	65.15N	148.63W	10				**¶97ii2570**
NEIC	M_L2.9(AEIC). Felt, After AEIC.								
NEIC	Felt in the Hamilton Acres area of Fairbanks.								
ISC	**II**	**23 23 11 20**±1.1	**65.3N**±.11	**167.1W**±.26	**10**	**3.5b**		**14**	**1-53**
EIDC	II	23 23 11 19.9	65.1N	167.1W	0	3.6b,3.5L			**¶97ii3388**
NEIC	II	23 23 11 20.2	65.29N	167.08W	10				
NEIC	M_L3.7(PMR), Less reliable solution.								
ISC	**III**	**02 20 39 16**±5.4	**64.3N**±.16	**166.5W**±.92	**10**	2.7b		**9**	**1-23**
NEIC	III	02 20 39 15.7	64.27N	166.54W	10				**¶97iii0401**
NEIC	M_L3.7(PMR), Poor solution.								
ISC	**III**	**18 07 21 34**±1.1	**70.01N**±.092	**144.7W**±.33	**10**			**9**	**4-14**
PGC	III	18 07 21 37.3	69.8N	144.7W	10	3.2L			**¶97iii3503**
PGC	North coast of Alaska.								
ISC	**III**	**25 12 11 28**±1.5	**65.22N**±.070	**150.3W**±.13	**10**±12			**17**	**0-3**
NEIC	III	25 12 11 29.0	65.17N	150.30W	9				**¶97iii4724**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**III**	**26 23 02 49**±1.6	**68.1N**±.33	**160.4W**±.38	**10**	3.6b		**5**	**3-51**
NEIC	III	26 23 02 49.1	68.13N	160.38W	10				**¶97iii5089**
EIDC	III	26 23 02 49.9	68.0N	160.5W	0	3.5b,3.5L			
NEIC	Poor solution.								
ISC	**III**	**28 13 55 23**±10	**64.1N**±.37	**165W**±1.8	**0**			**7**	**0-9**
									¶97iii5446
ISC	**IV**	**02 15 45 47**±1.3	**67.6N**±.10	**148.6W**±.17	**17**			**26**	**2-6**
NEIC	IV	02 15 45 46.6	67.69N	148.71W	17				**¶97iv0264**
NEIC	M_L3.3(AEIC), After AEIC.								
ISC	**IV**	**14 22 57 02**±1.9	**66.43N**±.088	**148.2W**±.18	**112**±34			**15**	**1-4**
NEIC	IV	14 22 57 03.0	66.40N	148.29W	112				**¶97iv2523**
NEIC	After AEIC.								
ISC	**IV**	**15 04 58 47**±4.8	**65.3N**±.18	**166.0W**±.87	**10**	3.0b		**7**	**1-22**
NEIC	IV	15 04 58 47.4	65.26N	165.96W	10				**¶97iv2559**
NEIC	Poor solution.								
PGC	**IV**	**23 23 43 36.5**	**66.0N**	**141.6W**	**0**	**3.3L**			**¶97iv4043**
PGC	Northeastern Alaska.								
ISC	**V**	**01 09 29 54**±1.0	**65.17N**±.046	**148.67W**±.094	**9**±7.6			**31**	**0-4**
NEIC	V	01 09 29 55.3	65.15N	148.62W	11				**¶97v0071**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**V**	**05 07 10 14.0**±.52	**66.35N**±.045	**142.38W**±.096	**23**	**3.7b**		**49**	**1-52**
EIDC	V	05 07 10 12.0	66.4N	142.4W	0	3.8b,4.2L			**¶97v0754**
PGC	V	05 07 10 13.4	66.3N	142.4W	0	4.4L			
NEIC	V	05 07 10 15.0	66.34N	142.37W	23				
PGC	Eastern Alaska.								
NEIC	M_L4.4(AEIC), After AEIC.								
PGC	**V**	**05 09 45 16.2**	**66.3N**	**142.0W**	**5**	**3.1L**			**¶97v0766**
PGC	Eastern Alaska. Aftershock.								
ISC	**V**	**14 17 04 57.4**±.85	**66.25N**±.073	**149.7W**±.15	**9**			**15**	**1-3**
NEIC	V	14 17 04 57.7	66.23N	149.70W	9				**¶97v2490**
NEIC	M_L2.5(AEIC), After AEIC.								
ISC	**V**	**19 21 37 53**±4.8	**65.49N**±.063	**149.9W**±.13	**12**±39			**16**	**1-3**
NEIC	V	19 21 37 52.9	65.50N	149.97W	11				**¶97v3307**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**V**	**21 02 19 41.1**±.98	**66.50N**±.088	**150.1W**±.16	**23**			**14**	**1-4**
NEIC	V	21 02 19 41.4	66.48N	150.07W	23				**¶97v3496**
NEIC	M_L2.9(AEIC), After AEIC.								
ISC	**V**	**21 22 59 55.4**±.57	**65.39N**±.068	**167.0W**±.17	**5**	**4.2b**		**33**	**1-75**
NEIC	V	21 22 59 55.2	65.39N	166.98W	5	4.3b			**¶97v3622**
EIDC	V	21 22 59 56.0	65.4N	166.9W	0	4.1b,3.8L			
NEIC	$M_{L4.6}$(AEIC), $M_{L4.7}$(PMR)								
NEIC	Felt at Brevig Mission and Teller. Also felt I=IV MM at Nome.								
ISC	**V**	**22 14 27 08.4**±.42	**65.35N**±.054	**167.0W**±.10	**5**	**4.1b**		**63**	**1-96**
NEIC	V	22 14 27 08.4	65.38N	167.12W	5	3.9b			**¶97v3781**
EIDC	V	22 14 27 09.4	65.3N	167.1W	0	4.0b,4.1L			
NEIC	$M_{L4.4}$(PMR).								
ISC	**V**	**24 13 04 48**±1.1	**65.39N**±.077	**147.9W**±.16	**21**±14			**14**	**0-2**
NEIC	V	24 13 04 48.0	65.39N	148.03W	18				**¶97v4109**
NEIC	M_L2.6(AEIC), After AEIC.								
ISC	**V**	**31 00 19 05**±1.6	**65.3N**±.15	**167.4W**±.45	**10**	**3.4b**		**13**	**1-53**
NEIC	V	31 00 19 05.9	65.34N	166.95W	10				**¶97v5121**
EIDC	V	31 00 19 06.4	65.4N	166.9W	0	3.5b,2.7L			
NEIC	M_L3.7(PMR), Poor solution.								
ISC	**VI**	**14 16 53 25**±1.2	**65.1N**±.12	**163.5W**±.26	**33**			**5**	**1-8**
NEIC	VI	14 16 53 25.6	65.19N	163.57W	33				**¶97vi2149**
NEIC	Poor solution.								
ISC	**VI**	**15 20 37 16**±1.8	**64.9N**±.22	**164.0W**±.25	**10**			**5**	**1-8**
NEIC	VI	15 20 37 16.2	64.95N	163.97W	10				**¶97vi2353**
NEIC	M_L3.2(PMR), Less reliable solution.								
ISC	**VI**	**24 14 27 16**±1.4	**65.16N**±.065	**148.5W**±.13	**8**±10			**16**	**0-4**
NEIC	VI	24 14 27 16.9	65.15N	148.50W	11				**¶97vi3728**
NEIC	M_L2.6(AEIC), After AEIC.								
PGC	**VI**	**27 15 24 36.3**	**66.3N**	**142.4W**	**0**	**3.2L**			**¶97vi4314**
PGC	Eastern Alaska.								
ISC	**VI**	**28 08 35 05.9**±.56	**66.16N**±.045	**148.9W**±.11	**34**	**3.3b**		**44**	**1-50**
EIDC	VI	28 08 35 04.2	66.1N	148.9W	0	3.3b,3.6L			**¶97vi4451**
NEIC	VI	28 08 35 06.4	66.14N	148.97W	34				
NEIC	M_L3.9(PMR), M_L3.8(AEIC), After AEIC.								

(677) Northern Yukon Territory.

ISC	**I**	**04 03 42 33.6**±.51	**65.05N**±.054	**133.8W**±.13	**5**	**4.0b**		**24**	**3-58**
NEIC	I	04 03 42 34.2	65.02N	133.88W	10				**¶97i0474**
EIDC	I	04 03 42 34.3	65.0N	134.1W	0	4.0b,4.4L			
PGC	I	04 03 42 37.0	65.0N	134.3W	5	4.9b			
PGC	Wernecke Mountains, Yukon Territory								
PGC	**I**	**08 14 51 09.0**	**67.1N**	**136.8W**	**18**	**3.6L**			**¶97i1079**
PGC	Richardson Mountains. Yukon Territory								
ISC	**I**	**30 03 56 55.6**±.81	**65.02N**±.079	**132.5W**±.23	**10**	4.1b		**8**	**3-27**
EIDC	I	30 03 56 56.3	65.0N	132.5W	0	3.3L,4.2b			**¶97i4438**
NEIC	I	30 03 56 56.4	65.03N	132.59W	10				
NEIC	Less reliable solution.								
ISC	**II**	**03 20 56 45**±1.5	**68.4N**±.11	**136.5W**±.46	**18**			**5**	**1-14**
PGC	II	03 20 56 48.4	68.2N	135.8W	18	3.2L			**¶97ii0425**
PGC	Richardson Mountains. Yukon Territory								
ISC	**III**	**09 14 33 22.6**±.18	**66.53N**±.024	**135.85W**±.059	**10**	**4.5b**,3.7s		**129**	**2-86**
BJI	III	09 14 33 17.1	65.84N	135.16W	10	4.6b			**¶97iii1987**
MOS	III	09 14 33 22.5	66.5N	135.8W	10	5.0b			
NEIC	III	09 14 33 22.5	66.54N	135.87W	10	4.7b			
EIDC	III	09 14 33 22.9	66.5N	135.7W	0	4.3b,4.5L			
PGC	III	09 14 33 23.8	66.5N	135.8W	0	4.8L			
NEIC	$M_{L4.8}$(PGC).								
PGC	Richardson Mountains. Yukon Territory.Unlocated aftershock at 14:36.								
ISC	**III**	**20 11 56 20**±2.6	**65.8N**±.14	**139.3W**±.70	**10**			**5**	**2-11**
PGC	III	20 11 56 15.0	66.0N	141.3W	10	3.1L			**¶97iii3891**
PGC	Eastern Alaska.								
ISC	**IV**	**05 04 02 37.0**±.61	**65.85N**±.057	**136.4W**±.14	**10**			**18**	**2-16**
NEIC	IV	05 04 02 37.0	65.80N	136.43W	10				**¶97iv0688**
PGC	IV	05 04 02 38.6	65.8N	136.9W	0	4.1L			
PGC	Wernecke Mountains, Yukon Territory								
PGC	**V**	**14 03 12 08.4**	**66.8N**	**136.6W**	**0**	**3.0L**			**¶97v2378**
PGC	Richardson Mountains. Yukon Territory								
PGC	**VI**	**02 09 13 55.2**	**65.8N**	**136.5W**	**0**	**3.3L**			**¶97vi0216**
PGC	Richardson Mountains. Yukon Territory								
ISC	**VI**	**21 09 14 26.0**±.76	**65.30N**±.077	**134.0W**±.21	**0**	3.5b		**9**	**3-63**
PGC	VI	21 09 14 28.8	65.3N	134.3W	0	3.1L			**¶97vi3191**
EIDC	VI	21 09 14 29.0	65.3N	134.1W	0	3.0L,3.4b			
PGC	Wernecke Mountains, Yukon Territory								

(678) Queen Elizabeth Islands.

ISC	**I**	**25 10 50 04**±1.1	**78.5N**±.12	**112.7W**±.54	**10**	**3.4b**		**11**	**3-49**
NEIC	I	25 10 50 04.2	78.46N	112.73W	10				**¶97i3793**
EIDC	I	25 10 50 05.5	78.7N	112.9W	16	4.4L,3.3b			
OTT	I	25 10 50 06.5	78.8N	112.5W	18	3.7N			
NEIC	Less reliable solution.								
OTT	Near Borden Island, 327km northeast from Mould Bay, Northwest Territories.Unlocated aftershocks on MBC at 11:17 and 11:24.								

ISC IV 11 00 31 49±1.9 **76.4N**±.22 **102.0W**±.42 **18** **8 2-20**
OTT IV 11 00 31 50.9 76.6N 101.9W 18 3.4N **¶97iv1767**
OTT Bathurst Island, Northwest Territories, Sverdrup seismic zone. 285km northwest from Resolute, Northwest Territories
OTT V 12 18 17 43.3 76.3N 94.2W 18 3.1N ¶97v2020
OTT Boothia Ungava seismic zone. 182km north from Resolute, Northwest Territories
OTT VI 18 23 06 31.1 75.7N 90.4W 18 3.0N ¶97vi2842
OTT Devon Island, Northwest Territories 167 km northeast from Resolute, Northwest Territories
ISC VI 20 08 51 51±2.0 **76.2N**±.22 **118.4W**±.46 **5** **3.8b** **10 0-34**
NEIC VI 20 08 51 53.0 76.08N 117.92W 10 **¶97vi3034**
PGC VI 20 08 51 53.1 76.7N 119.2W 5 3.7L
EIDC VI 20 08 51 53.4 76.1N 117.8W 0 3.9b,3.6L
NEIC Less reliable solution.
PGC Prince Patrick Island, Northwest Territories Unlocated aftershocks at 08:55 and 08:57.

(679) Northwest Territories.

ISC I 14 04 10 04±1.1 **64.42N**±.098 **128.9W**±.22 **10** **6 4-7**
PGC I 14 04 10 09.9 64.5N 129.5W 10 3.0L **¶97i1952**
PGC Mackenzie Mountains, Northwest Territories
ISC II 02 05 20 05.8±.96 **63.53N**±.093 **128.7W**±.20 **10** **8 4-16**
PGC II 02 05 20 09.1 63.5N 128.9W 10 3.9L **¶97ii0176**
PGC Mackenzie Mountains, Northwest Territories.
ISC II 02 08 27 54±1.0 **63.58N**±.099 **128.7W**±.21 **0** **6 4-7**
PGC II 02 08 27 58.7 63.5N 129.0W 0 3.1L **¶97ii0196**
PGC Ogilvie Mountains, Yukon Territory
OTT II 17 23 37 30.0 73.0N 97.5W 18 3.0N ¶97ii2572
OTT Boothia Ungava seismic zone.208km southwest from Resolute, Northwest Territories.
ISC III 22 21 58 27±3.3 **63.4N**±.13 **126.6W**±.76 **0** **5 5-6**
PGC III 22 21 58 29.2 63.3N 126.5W 0 3.1L **¶97iii4326**
ISC Poorly determined
PGC Mackenzie Mountains, Northwest Territories
ISC IV 06 02 44 57.2±.73 **62.15N**±.074 **124.0W**±.15 **10** 2.4b **10 4-21**
NEIC IV 06 02 44 57.1 62.19N 124.07W 10 **¶97iv0914**
EIDC IV 06 02 44 58.2 62.2N 123.9W 0 3.4L,2.5b
PGC IV 06 02 44 59.6 62.1N 124.0W 0 3.4L
NEIC Less reliable solution.
PGC Mackenzie Mountains, Northwest Territories
OTT IV 10 10 13 01.2 68.2N 90.9W 18 3.1L ¶97iv1669
OTT Pelly Bay, Northwest Territories, 59km SW from Pelly Bay, Northwest Territories Boothia Ungava seismic zone.
ISC IV 20 05 07 15±1.2 **73.0N**±.11 **90.9W**±.47 **18** **6 2-14**
OTT IV 20 05 07 16.5 73.1N 90.4W 18 3.2N **¶97iv3273**
OTT Prince Regent Inlet, Northwest Territories 191km west from Nanisivik, Northwest Territories
OTT IV 30 00 12 36.9 73.8N 95.6W 18 3.2N ¶97iv5136
OTT Boothia Ungava seismic zone. 105km south from Resolute, Northwest Territories
ISC V 06 10 23 09±5.0 **62.1N**±.17 **124.0W**±.95 **0** **4 5-7**
PGC V 06 10 23 14.2 62.1N 124.3W 0 3.1L **¶97v0947**
ISC Poorly determined
PGC Mackenzie Mountains, Northwest Territories
OTT V 09 09 39 45.9 72.9N 91.0W 18 3.2N ¶97v1404
OTT Prince Regent Inlet, 213km west of Nanisivik, Northwest Territories, largest event so far in swarm that started May 7 at 22:24 U.T
PGC V 27 07 26 39.1 62.3N 126.6W 10 3.2L ¶97v4531
PGC Mackenzie Mountains, Northwest Territories
ISC VI 07 18 42 35.1±.47 **62.15N**±.055 **124.1W**±.10 **10** 3.4b **19 4-21**
EIDC VI 07 18 42 35.9 62.2N 124.2W 0 3.8L,3.3b **¶97vi1130**
NEIC VI 07 18 42 38.1 62.12N 124.06W 10 3.6b
PGC VI 07 18 42 38.2 62.1N 124.1W 10 3.6b
NEIC M_L4.0(PGC), After PGC.
PGC Mackenzie Mountains, Northwest Territories
ISC VI 09 05 31 47.2±.54 **62.13N**±.065 **124.1W**±.11 **10** 3.0b **16 4-21**
EIDC VI 09 05 31 49.3 62.3N 124.2W 0 3.5L,3.1b **¶97vi1338**
NEIC VI 09 05 31 50.0 62.15N 124.03W 10
PGC VI 09 05 31 50.0 62.1N 124.0W 10 3.4b
NEIC M_L4.0(PGC), After PGC.
PGC Mackenzie Mountains, Northwest Territories
ISC VI 14 07 45 50.0±.99 **65.0N**±.11 **84.6W**±.24 **18** **8 5-17**
OTT VI 14 07 45 54.5 65.1N 84.1W 18 3.6N **¶97vi2101**
OTT North of Southampton Island, Northwest Territories 120 km north from Coral Harbour, Northwest Territories
PGC VI 16 18 27 13.5 64.6N 129.4W 10 3.0L ¶97vi2499
PGC Mackenzie Mountains, Northwest Territories
ISC VI 23 18 38 46.6±.95 **68.3N**±.11 **127.5W**±.25 **0** 3.6b **7 2-24**
EIDC VI 23 18 38 48.2 68.4N 127.2W 0 3.4L,3.5b **¶97vi3575**
PGC VI 23 18 38 51.6 68.2N 127.6W 0 3.2L
PGC South of Franklin Bay, Northwest Territories

(680) Western Greenland.

OTT V 05 22 31 27.9 76.9N 70.8W 18 3.3L ¶97v0859
OTT Greenland. 319km east from Grise Fiord, Northwest Territories

(681) Baffin Bay.

OTT I 29 02 04 58.0 69.3N 61.2W 18 3.8L ¶97i4285
OTT Baffin Bay, 232km northeast from Broughton Island, Northwest Territories
OTT II 25 06 43 38.2 69.4N 61.9W 18 3.4L ¶97ii3594
OTT Davis Strait. 222km north from Broughton Island, Northwest Territories.
OTT III 19 05 21 25.7 72.5N 57.8W 18 3.8L ¶97iii3638
OTT Eastern Baffin Bay.445km northeast from Clyde River, Northwest Territories
OTT V 10 02 10 30.4 75.9N 67.3W 18 3.1L ¶97v1513
OTT Northern Baffin Bay, Northwest Territories 421 km east from Grise Fiord, Northwest Territories
ISC VI 09 03 05 17±1.5 **73.7N**±.11 **72.0W**±.63 **18** **4 5-10**
OTT VI 09 03 05 19.8 73.6N 72.2W 18 3.5L **¶97vi1322**
ISC Poorly determined
OTT Baffin Bay seismic zone 216 km northeast from Pond Inlet, Northwest Territories

(682) Baffin Island region.

OTT I 22 21 30 41.3 67.5N 64.9W 18 3.3N ¶97i3387
OTT Baffin Island. 38km west from Broughton Island, Northwest Territories
OTT IV 21 20 43 18.8 62.1N 67.2W 18 3.0N ¶97iv3573
OTT Hudson Strait, Northwest Territories 152km northwest from Resolution Island, Northwest Territories

SEISMIC REGION 43.
SOUTHEASTERN AND ANTARCTIC PACIFIC.

(684) Easter Island Cordillera.

EIDC I 12 06 23 45.9 37.2S 108.2W 0 4.3b,4.4s **66-136**
¶97i1633
EIDC I 12 06 57 52.1 35.9S 113.0W 0 4.1b,4.3s **65-132**
¶97i1636
ISC I 16 19 26 23±3.5 **24.5S**±.55 **116.5W**±.50 **10** **4.4b**,5.0s **16 46-154**
NEIC I 16 19 26 21.6 24.65S 116.49W 10 4.3b **¶97i2347**
BJI I 16 19 26 24.6 24.70S 116.50W 10
EIDC I 16 19 26 25.5 24.0S 116.6W 0 4.3b
NEIC Poor solution.
ISC II 05 23 06 38±3.2 **34.2S**±.51 **109.8W**±.58 **10** **3.9b** **8 32-150**
NEIC II 05 23 06 36.6 34.33S 109.98W 10 4.0b **¶97ii0762**
EIDC II 05 23 06 37.4 34.1S 109.9W 0 3.9b
NEIC Poor solution.
ISC II 09 05 37 42.4±.41 **24.24S**±.076 **115.87W**±.098 **10** **4.9b,4.8s** **99 41-148**
BJI II 09 05 37 41.6 23.96S 115.58W 17 **¶97ii1261**
NEIC II 09 05 37 42.2 24.24S 115.82W 10 5.1b,4.7s
MOS II 09 05 37 42.5 24.2S 116.0W 10 5.3b
EIDC II 09 05 37 44.9 24.1S 115.8W 20 4.4b,4.9s
HRVD II 09 05 37 50.6±.6 24.26S±.12 115.85W±.10 15
NEIC Mw5.3(HRV), Less reliable solution.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c21; Half duration: 1$\frac{1}{2}$2. Moment tensor: Scale 10^{16}Nm; M_{rr}−6.05±.74; $M_{\theta\theta}$−3.64±1.31; $M_{\phi\phi}$9.69±.78; $M_{r\theta}$5.70±2.48; $M_{r\phi}$−3.21±3.61; $M_{\theta\phi}$−1.13±.54. Principal Axes: T 10.7,Plg14°,Azm80°; N 0.1, Plg35°,Azm340°; P −10.8,Plg52°,Azm188°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S207°,δ43°,λ−34°. NP2:ϕ_S323°,δ67°,λ−128°.
EIDC II 09 05 50 45.2 23.8S 115.5W 0 3.9b **45-86**
¶97ii1264
ISC II 09 05 53 55±3.0 **24.6S**±.39 **116.3W**±.57 **10** **4.0b** **8 41-147**
NEIC II 09 05 53 55.3 24.56S 116.20W 10 4.1b **¶97ii1265**
EIDC II 09 05 53 56.1 24.6S 116.2W 0 4.0b
NEIC Poor solution.
ISC II 09 05 56 48±3.0 **24.3S**±.40 **116.0W**±.59 **10** **4.0b** **6 41-86**
EIDC II 09 05 56 48.2 24.4S 116.1W 0 3.9b **¶97ii1266**
NEIC II 09 05 56 48.5 24.27S 115.99W 10 4.0b
NEIC Poor solution.
ISC II 09 14 07 19±2.2 **24.5S**±.31 **116.0W**±.42 **10** **4.2b** **26 41-154**
NEIC II 09 14 07 19.6 24.48S 115.85W 10 4.4b **¶97ii1315**
EIDC II 09 14 07 21.5 24.5S 116.1W 19 3.9b
BJI II 09 14 07 23.6 24.50S 115.90W 10
NEIC Poor solution.
ISC II 09 16 59 16±3.1 **24.2S**±.47 **115.8W**±.62 **10** **4.2b** **9 41-147**
NEIC II 09 16 59 17.4 23.99S 115.51W 10 4.3b **¶97ii1333**
EIDC II 09 16 59 19.5 24.0S 115.8W 15 3.9b
NEIC Poor solution.
ISC II 15 15 20 30±2.8 **20.5S**±.37 **115.5W**±.55 **10** **3.8b** **10 43-151**
EIDC II 15 15 20 33.1 20.1S 115.0W 0 3.8b **¶97ii2255**
ISC II 19 18 08 50.9±.95 **34.8S**±.17 **106.6W**±.17 **10** **4.5b**,5.3s **41 29-166**
EIDC II 19 18 08 50.6 34.7S 106.7W 0 4.3b **¶97ii2812**
BJI II 19 18 08 50.9 34.80S 106.50W 10
NEIC II 19 18 08 50.9 34.83S 106.50W 10 4.8b
MOS II 19 18 08 52.1 34.5S 106.4W 10 5.0b
NEIC Poor solution.
ISC II 24 03 18 33±3.8 **35.1S**±.58 **112.4W**±.68 **10** **3.9b** **7 33-148**
NEIC II 24 03 18 32.2 35.22S 112.55W 10 **¶97ii3415**
EIDC II 24 03 18 34.0 35.0S 112.2W 0 3.8b
NEIC Poor solution.
ISC III 05 00 50 57±1.4 **55.5S**±.67 **124.4W**±.70 **10** **3.9b** **7 58-154**
EIDC III 05 00 50 56.5 55.6S 124.1W 0 4.0b **¶97iii0950**
NEIC III 05 00 50 56.7 55.52S 124.32W 10
ISC Poorly determined
NEIC Poor solution.
ISC III 05 01 30 18.5±.48 **55.4S**±.16 **123.5W**±.18 **10** **4.5b**,5.3s **101 33-164**
MOS III 05 01 30 18.4 55.7S 123.3W 10 4.9b **¶97iii0958**
EIDC III 05 01 30 18.6 55.3S 123.7W 0 4.4b
NEIC III 05 01 30 19.3 55.37S 123.95W 10 4.8b
NEIC Poor solution.
ISC III 05 02 14 52±1.2 **57.8S**±.39 **122.1W**±.48 **10** **4.1b**,4.3s **11 32-153**
NEIC III 05 02 14 52.0 57.77S 122.16W 10 4.3b **¶97iii0962**
EIDC III 05 02 14 52.2 57.7S 122.5W 0 4.1b,4.3s
NEIC Poor solution.
ISC III 14 09 42 58.7±.36 **34.13S**±.067 **109.53W**±.091 **10** **4.8b,5.1s** **112 25-164**
EIDC III 14 09 42 58.3 34.2S 109.7W 0 4.4b **¶97iii2849**
NEIC III 14 09 42 58.6 34.13S 109.53W 10 5.1b,5.1s
MOS III 14 09 43 00.8 34.2S 109.6W 10 5.2b
BJI III 14 09 43 02.6 34.10S 109.50W 10 5.7s
HRVD III 14 09 43 04.1±.3 34.50S±.03 109.28W±.03 15
NEIC Mw5.4(HRV).
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c45; Half duration: 1$\frac{1}{2}$3. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.14±.03; $M_{\theta\theta}$−1.20±.04; $M_{\phi\phi}$1.34±.04; $M_{r\theta}$0.00±.00; $M_{r\phi}$0.00±.00; $M_{\theta\phi}$0.38±.04. Principal Axes: T 1.39,Plg0°,Azm98°; N −0.14, Plg90°,Azm180°; P −1.26,Plg0°,Azm8°. Best double couple: $M_0$1.3×10^{17}Nm, NP1:ϕ_S143°, δ90°,λ−180°. NP2:ϕ_S233°,δ90°,λ0°.
ISC III 23 04 26 31.8±.43 **34.07S**±.084 **109.23W**±.097 **10** **4.9b,4.9s** **130 7-158**
EIDC III 23 04 26 30.9 34.0S 109.4W 0 4.6b,4.9s **¶97iii4389**
BJI III 23 04 26 31.1 34.10S 109.30W 10 5.9s
NEIC III 23 04 26 31.1 34.15S 109.34W 10 5.0b,4.9s
HRVD III 23 04 26 36.0±.3 34.60S±.04 109.35W±.04 15
MOS III 23 04 26 36.3 33.3S 107.5W 10 5.2b
NEIC Mw5.4(HRV), Less reliable solution.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s29,c43; Half duration: 1$\frac{1}{2}$2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.00±.04; $M_{\theta\theta}$−1.29±.04; $M_{\phi\phi}$1.30±.04; $M_{r\theta}$−0.63±.14; $M_{r\phi}$0.03±.16; $M_{\theta\phi}$0.29±.05. Principal Axes: T 1.33,Plg2°,Azm97°; N 0.25, Plg68°,Azm192°; P −1.58,Plg22°,Azm6°. Best double couple: $M_0$1.5×10^{17}Nm, NP1:ϕ_S144°, δ73°,λ−165°. NP2:ϕ_S49°,δ76°,λ−18°.
ISC IV 01 21 20 28±1.4 **55.9S**±.69 **126.4W**±.68 **10** **3.7b** **4 59-87**
EIDC IV 01 21 20 27.5 55.8S 126.5W 0 3.7b **¶97iv0142**
ISC Poorly determined
ISC IV 02 00 06 58.6±.87 **55.1S**±.20 **126.6W**±.28 **10** **3.9b**,4.0s **32 33-157**
NEIC IV 02 00 06 58.3 55.07S 126.60W 10 4.3b **¶97iv0161**
EIDC IV 02 00 07 02.5 55.2S 126.6W 26 3.7b,3.9s
NEIC Less reliable solution.
EIDC IV 03 14 00 51.1 33.8S 106.9W 0 3.6b,3.7s **63-152**
¶97iv0439
ISC IV 05 15 00 08±1.0 **55.8S**±.46 **124.0W**±.38 **10** **3.9b** **11 38-154**
EIDC IV 05 15 00 08.5 55.5S 124.2W 0 3.9b **¶97iv0793**

Agency	Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**V 01 13 03 44.7**±.95	**24.6S**±.22	**117.0W**±.20	**10**	**4.4b**	**9**	**46-133**
EIDC	V 01 13 03 44.8	24.7S	117.0W	0	4.4b		**¶97v0107**
NEIC	V 01 13 03 44.9	24.61S	116.89W	10	4.6b		
NEIC	Poor solution.						
EIDC	**V 26 10 52 42.1**	**49.8S**	**113.0W**	**0**	**3.8b**		**49-92**
							¶97v4401
ISC	**VI 10 21 53 55.6**±.24	**35.75S**±.045	**108.10W**±.050	**10**	**5.6b,6.2s**	**420**	**30-177**
BJI	VI 10 21 53 54.3	35.69S	108.07W	9	6.5s		**¶97vi1570**
NEIC	VI 10 21 53 55.0	35.81S	108.14W	10	5.8b,6.1s		
MOS	VI 10 21 53 56.1	35.6S	108.1W	10	5.9b,6.0s		
EIDC	VI 10 21 53 59.3	35.7S	108.1W	28	5.1b,6.0s		
HRVD	VI 10 21 54 02.8±.1	35.92S±.01	107.96W±.01	15			
NEIC	Me7.0(GS), Mw6.5(GS).						
NEIC	Mw 6.5 (HRV). Ms 5.8 (BRK). Mo=1.3×10^{19}Nm (PPT).						
NEIC	Radiated energy from the P−wave first−motion solution: 6.8±1.5×10^{14}Nm/16						
NEIC	Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ85°,λ180°. NP2:ϕ_S345°,δ90°,λ−5°. Principal axes: T Plg4°,Azm30°; P Plg4°,Azm300°. Depth from synthetics of broadband displacement seismograms.						
NEIC	Moment tensor solution: s33, scale 10^{18}Nm; M_{rr}0.12; $M_{\theta\theta}$3.38; $M_{\phi\phi}$−3.50; $M_{r\theta}$0.48; $M_{r\phi}$0.31; $M_{\theta\phi}$−6.07. Depth 9km; Principal axes: T 6.93,Plg2°,Azm30°; N 0.14,Plg85°,Azm272°; P −7.07,Plg4°,Azm120°. Best double couple: $M_0$7.0×10^{18}Nm; NP1:ϕ_S165°,δ86°,λ−1°. NP2: ϕ_S255°,δ89°,λ−176°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s70,c165; Mantle waves: s67,c165; Half duration: 4s6. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.35±.03; $M_{\theta\theta}$4.24±.03; $M_{\phi\phi}$−3.89±.03; $M_{r\theta}$0.43±.12; $M_{r\phi}$−1.00±.11; $M_{\theta\phi}$−6.02±.03. Principal Axes: T 7.53,Plg6°,Azm28°; N −0.37,Plg82°,Azm165°; P −7.16,Plg6°,Azm298°. Best double couple: $M_0$7.3×10^{18}Nm, NP1:ϕ_S73°,δ82°,λ180°. NP2:ϕ_S163°,δ90°,λ8°.						
ISC	**VI 10 22 20 27.8**±.76	**35.8S**±.13	**108.3W**±.21	**10**	**4.3b**,6.2s	**21**	**30-160**
NEIC	VI 10 22 20 27.0	35.78S	108.35W	10			**¶97vi1571**
EIDC	VI 10 22 20 31.3	35.7S	108.3W	22	4.1b		
NEIC	Less reliable solution.						
ISC	**VI 11 01 15 24.8**±.57	**35.73S**±.096	**108.3W**±.15	**10**	**4.3b**,4.1s	**42**	**30-165**
NEIC	VI 11 01 15 23.0	36.03S	108.55W	10	4.5b		**¶97vi1600**
MOS	VI 11 01 15 23.9	36.0S	108.5W	10	4.9b		
BJI	VI 11 01 15 27.0	36.00S	108.50W	10			
EIDC	VI 11 01 15 27.7	35.7S	108.3W	21	4.1b,4.1s		
NEIC	Less reliable solution.						
ISC	**VI 26 18 35 46.0**±.95	**49.8S**±.22	**115.0W**±.34	**10**	**4.0b,4.4s**	**10**	**40-151**
NEIC	VI 26 18 35 45.5	49.74S	115.09W	10	4.0b		**¶97vi4188**
EIDC	VI 26 18 35 45.7	49.7S	115.2W	0	4.0b,4.5s		
NEIC	Poor solution.						
ISC	**VI 26 19 21 08.5**±.23	**49.76S**±.054	**114.65W**±.087	**10**	**5.2b,6.0s**	**304**	**23-172**
BJI	VI 26 19 21 07.3	49.62S	114.51W	11	6.1s		**¶97vi4192**
EIDC	VI 26 19 21 08.5	50.0S	114.4W	0	5.0b,6.1s		
NEIC	VI 26 19 21 08.8	49.69S	114.57W	10	5.4b,6.0s		
MOS	VI 26 19 21 10.1	49.5S	114.6W	10	5.8b,5.9s		
HRVD	VI 26 19 21 16.7±.1	49.81S±.01	115.06W±.01	15			
NEIC	Mw6.3(GS), Mw6.2(HRV).						
NEIC	Mo=4.6×10^{18}Nm (PPT).						
NEIC	Moment tensor solution: s24, scale 10^{18}Nm; M_{rr}0.18; $M_{\theta\theta}$1.48; $M_{\phi\phi}$−1.66; $M_{r\theta}$−0.18; $M_{r\phi}$0.41; $M_{\theta\phi}$2.33. Depth 7km; Principal axes: T 2.71,Plg1°,Azm332°; N 0.25,Plg82°, Azm236°; P −2.96,Plg8°,Azm62°. Best double couple: $M_0$2.8×10^{18}Nm; NP1:ϕ_S107°,δ84°, λ−5°. NP2:ϕ_S197°,δ85°,λ−174°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c142; Mantle waves: s61,c113; Half duration: 2s8. Moment tensor: Scale 10^{18}Nm; M_{rr}0.08±.01; $M_{\theta\theta}$0.66±.01; $M_{\phi\phi}$−0.74±.01; $M_{r\theta}$0.19±.04; $M_{r\phi}$0.23±.04; $M_{\theta\phi}$1.95±.01. Principal Axes: T 2.08,Plg8°,Azm325°; N 0.05,Plg82°,Azm159°; P −2.12,Plg2°,Azm55°. Best double couple: $M_0$2.1×10^{18}Nm, NP1:ϕ_S100°,δ83°,λ4°. NP2:ϕ_S10°,δ86°,λ173°.						
ISC	**VI 26 19 33 06.8**±.80	**49.5S**±.15	**115.2W**±.29	**10**	**4.4b**	**15**	**41-157**
NEIC	VI 26 19 33 06.9	49.48S	115.17W	10	4.5b		**¶97vi4195**
EIDC	VI 26 19 33 07.1	49.5S	115.2W	0	4.5b		
NEIC	Poor solution.						

(685) Easter Island region.

EIDC	**I 16 21 59 56.0**	**26.8S**	**107.4W**	**0**	3.8b		**69-154**
							¶97i2366
NEIC	**I 29 22 33 44.7**	**23.17S**	**111.69W**	**10**	3.9b		**41-151**
EIDC	I 29 22 33 45.3	23.7S	112.1W	22	3.8b		**¶97i4409**
NEIC	Poor solution.						
ISC	**I 31 20 53 04**±2.9	**24.8S**±.41	**112.4W**±.57	**10**	**4.1b**	**8**	**38-152**
NEIC	I 31 20 53 00.7	25.35S	112.66W	10	4.2b		**¶97i4677**
EIDC	I 31 20 53 04.5	24.8S	112.4W	0	4.1b		
NEIC	Poor solution.						
EIDC	**II 01 03 30 01.9**	**23.8S**	**111.5W**	**0**	**3.8b**		**41-151**
NEIC	II 01 03 30 06.4	23.05S	111.06W	10	4.4b		**¶97ii0015**
NEIC	Poor solution.						
ISC	**II 21 03 29 47**±1.2	**23.0S**±.17	**112.0W**±.26	**10**	**4.0b**,3.8s	**9**	**39-151**
NEIC	II 21 03 29 45.9	22.96S	112.02W	10	4.1b		**¶97ii3008**
EIDC	II 21 03 29 47.0	23.0S	111.9W	0	4.0b,3.8s		
NEIC	Poor solution.						

(686) West Chile Rise.

ISC	**II 01 21 33 01**±1.1	**38.2S**±.19	**93.4W**±.27	**10**	**4.4b**	**12**	**31-148**
EIDC	II 01 21 32 59.1	38.5S	93.6W	0	4.2b		**¶97ii0126**
NEIC	II 01 21 33 00.9	38.20S	93.35W	10	4.6b		
NEIC	Poor solution.						
EIDC	**II 04 01 24 22.8**	**37.6S**	**89.9W**	**0**	**3.8b**		**29-82**
							¶97ii0442
ISC	**II 06 11 44 57**±1.1	**38.6S**±.20	**91.8W**±.15	**10**	**4.5b,5.5s**	**51**	**17-171**
EIDC	II 06 11 44 55.7	38.7S	92.0W	0	4.5b,5.4s		**¶97ii0828**
BJI	II 06 11 44 57.1	38.50S	91.70W	10	5.8s		
NEIC	II 06 11 44 57.1	38.46S	91.67W	10	4.6b		
NEIC	Less reliable solution.						
ISC	**II 20 13 58 16**±1.1	**43.0S**±.20	**82.1W**±.14	**10**	**4.4b**	**21**	**9-166**
NEIC	II 20 13 58 16.3	42.88S	82.08W	10	4.7b		**¶97ii2937**
EIDC	II 20 13 58 16.4	42.8S	82.2W	0	4.4b,3.9L		
NEIC	Less reliable solution.						
ISC	**III 03 07 54 18.0**±.74	**42.9S**±.11	**82.7W**±.13	**10**	**4.4b,4.6s**	**23**	**9-124**
NEIC	III 03 07 54 17.5	42.95S	82.89W	10	4.7b		**¶97iii0514**
EIDC	III 03 07 54 19.0	42.6S	82.9W	0	4.4b,4.5s		
NEIC	Less reliable solution.						
ISC	**III 13 06 27 58.2**±.45	**36.45S**±.083	**97.71W**±.084	**10**	**4.9b,5.0s**	**123**	**14-172**
NEIC	III 13 06 27 58.0	36.47S	97.67W	10	4.9b,5.0s		**¶97iii2656**
BJI	III 13 06 28 01.5	36.50S	97.70W	10	5.5s		
HRVD	III 13 06 28 03.1±.2	36.52S±.03	97.64W±.03	15			
MOS	III 13 06 28 04.5	35.3S	98.4W	10	5.2b		
EIDC	III 13 06 28 14.4	36.5S	97.4W	137	4.3b		
NEIC	Mw5.6(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c61; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.08±.05; $M_{\theta\theta}$0.21±.06; $M_{\phi\phi}$−0.13±.07; $M_{r\theta}$0.56±.15; $M_{r\phi}$−1.25±.18; $M_{\theta\phi}$−2.17±.05. Principal Axes: T 2.79,Plg24°,Azm46°; N −0.49, Plg60°,Azm188°; P −2.29,Plg16°,Azm308°. Best double couple: $M_0$2.5×10^{17}Nm, NP1: ϕ_S85°,δ61°,λ174°. NP2:ϕ_S178°,δ85°,λ29°.						
ISC	**III 18 19 22 41.1**±.80	**43.9S**±.15	**82.3W**±.15	**10**	**4.3b**,4.7s	**21**	**9-155**
NEIC	III 18 19 22 40.8	43.96S	82.24W	10	4.3b		**¶97iii3581**
EIDC	III 18 19 22 41.0	43.8S	82.5W	0	4.2b,3.7L		
NEIC	Less reliable solution.						
ISC	**III 29 10 43 39.7**±.86	**36.3S**±.16	**97.1W**±.18	**10**	**4.0b,**3.8s	**15**	**21-150**
EIDC	III 29 10 43 39.6	36.3S	97.2W	0	4.0b,4.2s		**¶97iii5574**
NEIC	III 29 10 43 39.8	36.30S	97.06W	10			
NEIC	Less reliable solution.						
ISC	**IV 21 21 02 14.8**±.64	**36.3S**±.12	**96.9W**±.15	**10**	**4.3b**	**29**	**21-162**
EIDC	IV 21 21 02 14.2	36.4S	97.1W	0	4.3b		**¶97iv3580**
NEIC	IV 21 21 02 14.8	36.29S	96.90W	10	4.6b		
MOS	IV 21 21 02 17.5	36.4S	99.7W	10	4.7b		
NEIC	Less reliable solution.						
ISC	**IV 26 02 42 13**±2.6	**37.8S**±.45	**94.8W**±.36	**10**	**4.2b**	**9**	**19-152**
EIDC	IV 26 02 42 10.6	38.0S	95.1W	0	4.0b,3.8s		**¶97iv4455**
NEIC	IV 26 02 42 16.1	37.09S	94.20W	10	4.3b		
NEIC	Poor solution.						
ISC	**V 05 02 17 45**±1.1	**37.2S**±.19	**93.5W**±.22	**10**	**4.2b,**3.6s	**11**	**18-148**
EIDC	V 05 02 17 43.4	37.4S	93.6W	0	4.0b,3.6s		**¶97v0729**
NEIC	V 05 02 17 45.4	37.06S	93.34W	10	4.3b		
NEIC	Poor solution.						
ISC	**V 11 22 16 15.5**±.37	**36.12S**±.071	**97.68W**±.070	**10**	**5.4b,5.8s**	**271**	**22-172**
EIDC	V 11 22 16 13.2	36.1S	97.9W	0	4.7b,5.6s		**¶97v1854**
NEIC	V 11 22 16 13.9	36.38S	97.70W	10	5.6b,5.8s		
BJI	V 11 22 16 17.4	35.79S	97.56W	19	6.2s		
MOS	V 11 22 16 17.8	35.7S	97.6W	10	5.8b,5.8s		
HRVD	V 11 22 16 24.3±.1	36.46S±.01	98.23W±.01	15			
NEIC	Mw6.5(HRV), Mw6.4(GS).						
NEIC	Moment tensor solution: s34, scale 10^{18}Nm; M_{rr}−0.01; $M_{\theta\theta}$0.10; $M_{\phi\phi}$−0.09; $M_{r\theta}$−0.14; $M_{r\phi}$−0.09; $M_{\theta\phi}$−4.73. Depth 19km; Principal axes: T 4.73,Plg0°,Azm224°; N 0.00,Plg88°, Azm123°; P −4.73,Plg2°,Azm314°. Best double couple: $M_0$4.7×10^{18}Nm; NP1:ϕ_S359°,δ88°, λ−1°. NP2:ϕ_S89°,δ89°,λ−178°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c130; Mantle waves: s54,c109; Half duration: 4s1. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.40±.03; $M_{\theta\theta}$−0.68±.03; $M_{\phi\phi}$1.07±.03; $M_{r\theta}$0.78±.10; $M_{r\phi}$−1.63±.12; $M_{\theta\phi}$−5.73±.02. Principal Axes: T 6.44,Plg14°,Azm50°; N −0.80,Plg75°,Azm208°; P −5.65,Plg5°,Azm319°. Best double couple: $M_0$6.0×10^{18}Nm, NP1:ϕ_S93°,δ76°,λ174°. NP2:ϕ_S185°,δ84°,λ14°.						
ISC	**V 11 23 08 30.7**±.58	**36.6S**±.10	**97.8W**±.14	**10**	**4.6b**	**39**	**22-157**
BJI	V 11 23 08 30.8	36.50S	97.60W	10			**¶97v1861**
NEIC	V 11 23 08 30.8	36.50S	97.65W	10	4.4b		
EIDC	V 11 23 08 31.4	36.5S	97.7W	0	4.5b		
NEIC	Less reliable solution.						
ISC	**VI 10 15 54 48.9**±.86	**38.3S**±.16	**93.8W**±.17	**10**	**4.2b,**4.0s	**16**	**18-153**
EIDC	VI 10 15 54 48.6	38.2S	93.9W	0	4.1b,4.0s		**¶97vi1545**
NEIC	VI 10 15 54 48.7	38.28S	93.78W	10	4.3b		
MOS	VI 10 15 54 51.1	38.1S	93.6W	10	4.3b		
NEIC	Less reliable solution.						
ISC	**VI 21 01 54 22.7**±.51	**41.5S**±.10	**86.59W**±.098	**10**	**4.5b,4.5s**	**81**	**12-161**
NEIC	VI 21 01 54 22.4	41.53S	86.61W	10	4.8b,4.5s		**¶97vi3136**
MOS	VI 21 01 54 23.5	41.5S	86.7W	10	5.1b,4.3s		
EIDC	VI 21 01 54 32.7	41.6S	86.7W	80	4.2b,4.4s		

(687) Juan Fernandez Islands region.

EIDC	**V 13 18 28 34.5**	**34.2S**	**79.6W**	**0**	**4.0b**		**67-81**
							¶97v2292

(688) East of North Island, New Zealand.

WEL	**I 06 21 52 17.6**	**36.28S**	**179.61W**	**12**	**4.1L**		**¶97i0835**
EIDC	I 06 21 52 16.3	36.5S	179.7W	0	3.7b		
ISC	**I 10 08 09 02**±1.5	**35.09S**±.075	**178.5W**±.21	**45**±11	**4.9b,**4.5s	**66**	**4-174**
NEIC	I 10 08 09 10.8	34.56S	179.84W	58	5.0b		**¶97i1331**
EIDC	I 10 08 09 11.9	34.2S	179.6W	55	4.5b,4.3s		
NEIC	Less reliable solution.						
ISC	**I 14 05 57 19**±3.0	**37.9S**±.12	**180.0W**±.31	**16**	3.4b	**19**	**1-145**
EIDC	I 14 05 57 26.8	37.9S	178.8E	0	3.5b		**¶97i1960**
WEL	I 14 05 57 28.0	37.68S	179.34E	16	4.1L		
EIDC	**I 24 05 12 03.9**	**38.4S**	**176.2W**	**0**	3.6b		**45-153**
							¶97i3599
WEL	**I 25 12 50 53.4**	**37.52S**	**179.96W**	**12**	**3.8L**		**¶97i3814**
WEL	**II 01 21 28 54.1**	**36.70S**	**179.67W**	**125**	**4.1L**		**¶97ii0124**
WEL	**II 02 15 53 46.6**	**40.10S**	**179.85W**	**12**	**4.2L**		**¶97ii0243**
WEL	**II 18 23 29 46.3**	**37.74S**	**179.80W**	**12**	**4.0L**		**¶97ii2704**
EIDC	**III 02 17 35 37.1**	**35.9S**	**179.8W**	**0**	**3.9b**		**32-43**
							¶97iii0367
EIDC	**III 02 23 25 25.3**	**36.4S**	**174.7W**	**0**	**4.0b**		**36-47**
							¶97iii0423
ISC	**III 07 08 27 28**±2.2	**38.06S**±.078	**180.0W**±.23	**12**	**4.1b**	**34**	**1-153**
EIDC	III 07 08 27 33.9	38.0S	179.3E	0	4.0b,4.4L		**¶97iii1476**
NEIC	III 07 08 27 36.8	38.04S	179.20E	33	4.3b		
WEL	III 07 08 27 37.3	37.75S	179.31E	12	5.1L		
NEIC	Poor solution.						
WEL	**IV 20 05 58 12.3**	**37.14S**	**179.91W**	**12**	**3.9L**		**¶97iv3279**
EIDC	**IV 25 03 01 25.6**	**35.3S**	**179.5W**	**0**	**3.8b**		**32-154**
							¶97iv4267
WEL	**V 24 02 16 56.4**	**36.48S**	**179.25W**	**12**	**3.7L**		**¶97v4037**
ISC	**V 26 12 47 47**±6.2	**35.5S**±.18	**178.7W**±.88	**100**	**4.2b**	**9**	**3-44**
							¶97v4415
EIDC	**VI 09 10 23 19.1**	**35.2S**	**179.6W**	**0**	3.8b		**42-153**
							¶97vi1380
WEL	**VI 24 09 20 55.2**	**37.77S**	**179.63W**	**12**	**3.9L**		**¶97vi3684**

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EIDC	**I 06 15 09 26.4**	**58.0S**	**149.1W**	**0**	**3.9b**		**63-123**
							¶97i0801
EIDC	**II 06 02 25 09.7**	**55.6S**	**138.7W**	**0**	**4.0b**		**64-72**
							¶97ii0787
EIDC	**III 01 11 27 39.7**	**56.5S**	**130.6W**	**0**	**4.3s,3.7b**		**74-147**
							¶97iii0097
ISC	**III 23 19 35 29.9**±.89	**62.6S**±.15	**159.3W**±.28	**10**	**4.2b**	**9**	**19-127**
NEIC	III 23 19 35 29.4	62.61S	159.28W	10	3.8b		**¶97iii4479**
EIDC	III 23 19 35 29.6	62.4S	159.0W	0	4.1b,4.1L		
NEIC	Less reliable solution.						

ISC	**III**	**28 04 55 15**±1.5	**54.2S**±.26	**134.0W**±.52	**10**	**4.2b**	**12 32-145**
NEIC	III	28 04 55 14.0	54.22S	133.79W	10	4.4b	**¶97iii5364**
EIDC	III	28 04 55 14.5	54.1S	134.0W	0	4.1b	
NEIC	Poor solution.						
ISC	**IV**	**17 10 21 40**±1.3	**65.7S**±.15	**176.1W**±.55	**10**	**3.8b,**2.6s	**9 14-145**
EIDC	IV	17 10 21 38.6	65.6S	175.8W	0	3.8b,3.6s	**¶97iv2884**
NEIC	IV	17 10 21 39.5	65.67S	176.21W	10	4.2b	
NEIC	Poor solution.						
ISC	**IV**	**19 03 25 02.1**±.59	**62.9S**±.18	**158.1W**±.25	**10**	**4.7b,4.9s**	**33 27-166**
NEIC	IV	19 03 25 01.1	63.88S	158.80W	10	4.9b,5.1s	**¶97iv3146**
EIDC	IV	19 03 25 01.4	65.6S	160.0W	0	4.7s,4.5b	
MOS	IV	19 03 25 01.9	63.3S	158.5W	10	5.1b	
HRVD	IV	19 03 25 07.4±.2	62.96S±.02	158.10W±.06	15		
NEIC	Mw5.6(HRV), Poor solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c58; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.17±.05; $M_{\theta\theta}$2.52±.05; $M_{\phi\phi}$−2.35±.06; $M_{r\theta}$0.97±.16; $M_{r\phi}$−0.29±.14; $M_{\theta\phi}$0.53±.06. Principal Axes: T 2.87,Plg17°,Azm355°; N −0.39, Plg70°,Azm142°; P −2.48,Plg11°,Azm262°. Best double couple: $M_0$2.7×10^{17}Nm, NP1: ϕ_S38°,δ70°,λ175°. NP2:ϕ_S129°,δ85°,λ20°.						
ISC	**IV**	**19 14 13 56.7**±.46	**56.2S**±.11	**143.6W**±.13	**10**	**4.7b,5.2s**	**94 28-168**
MOS	IV	19 14 13 57.9	58.3S	143.8W	10	5.2b	**¶97iv3206**
NEIC	IV	19 14 13 59.1	58.50S	143.74W	10	5.0b,5.2s	
EIDC	IV	19 14 13 59.9	55.9S	143.7W	22	4.3b,4.8s	
BJI	IV	19 14 14 01.1	58.50S	143.70W	10	5.8s	
HRVD	IV	19 14 14 02.5±.2	56.16S±.04	143.34W±.06	15		
NEIC	Mw5.5(HRV), Less reliable solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s38,c56; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}0.49±.05; $M_{\theta\theta}$1.54±.05; $M_{\phi\phi}$−2.03±.06; $M_{r\theta}$−0.25±.20; $M_{r\phi}$−0.29±.24; $M_{\theta\phi}$1.45±.08. Principal Axes: T 2.13,Plg11°,Azm160°; N 0.43, Plg78°,Azm358°; P −2.56,Plg4°,Azm251°. Best double couple: $M_0$2.3×10^{17}Nm, NP1: ϕ_S296°,δ80°,λ5°. NP2:ϕ_S205°,δ85°,λ169°.						
ISC	**IV**	**28 20 43 01.7**±.78	**56.1S**±.17	**144.0W**±.22	**10**	**4.1b,4.6s**	**31 28-152**
NEIC	IV	28 20 43 00.5	55.93S	143.88W	10	4.6b,4.7s	**¶97iv4976**
EIDC	IV	28 20 43 00.8	55.8S	143.8W	0	4.0b,4.2s	
HRVD	IV	28 20 43 09.9±.4	55.99S±.06	143.34W±.09	15		
NEIC	Mw5.4(HRV), Less reliable solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s22,c31; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.05±.05; $M_{\theta\theta}$1.09±.07; $M_{\phi\phi}$−1.04±.05; $M_{r\theta}$−0.11±.19; $M_{r\phi}$−0.17±.18; $M_{\theta\phi}$0.84±.07. Principal Axes: T 1.40,Plg6°,Azm161°; N −0.06, Plg82°,Azm22°; P −1.34,Plg5°,Azm251°. Best double couple: $M_0$1.4×10^{17}Nm, NP1:ϕ_S296°, δ82°,λ1°. NP2:ϕ_S206°,δ89°,λ172°.						
ISC	**V**	**02 06 22 16**±1.3	**65.4S**±.16	**177.1W**±.55	**10**	**4.2b,**4.5s	**10 14-154**
NEIC	V	02 06 22 14.8	65.41S	176.81W	10	4.6b	**¶97v0216**
EIDC	V	02 06 22 15.7	65.6S	176.8W	0	4.2b,3.5L	
NEIC	Less reliable solution.						
ISC	**V**	**05 00 31 02**±1.0	**62.1S**±.21	**159.2W**±.33	**10**	**4.1b,**2.9s	**8 20-127**
NEIC	V	05 00 31 00.9	62.09S	158.70W	10	4.3b	**¶97v0712**
EIDC	V	05 00 31 01.3	61.9S	158.7W	0	3.9b,3.5s	
NEIC	Poor solution.						
EIDC	**V**	**11 05 55 39.7**	**53.1S**	**139.1W**	**0**	**3.8b,3.5s**	**32-118**
							¶97v1737
ISC	**V**	**19 02 42 03.4**±.89	**62.4S**±.18	**158.8W**±.27	**10**	**4.3b**	**9 20-127**
NEIC	V	19 02 42 03.1	62.40S	158.74W	10	3.7b	**¶97v3181**
EIDC	V	19 02 42 03.7	62.3S	158.7W	0	4.1b,3.9L	
NEIC	Less reliable solution.						
ISC	**V**	**19 05 17 06.4**±.71	**62.3S**±.13	**159.1W**±.23	**10**	**4.4b,3.8s**	**15 19-127**
NEIC	V	19 05 17 06.0	62.32S	158.99W	10	4.2b	**¶97v3203**
EIDC	V	19 05 17 07.8	61.9S	159.2W	0	4.0s,4.1b	
NEIC	Less reliable solution.						
ISC	**V**	**26 02 46 33**±1.1	**65.6S**±.15	**176.5W**±.44	**10**	**3.9b**	**10 13-146**
NEIC	V	26 02 46 32.8	65.51S	176.40W	10		**¶97v4358**
EIDC	V	26 02 46 33.1	65.6S	176.5W	0	3.8b	
NEIC	Poor solution.						
ISC	**V**	**27 06 10 32.0**±.32	**54.94S**±.082	**136.1W**±.12	**10**	**4.9b,5.8s**	**198 30-179**
EIDC	V	27 06 10 31.5	54.5S	136.4W	0	4.8b,5.8s	**¶97v4521**
BJI	V	27 06 10 31.7	54.90S	136.20W	10	5.9s	
NEIC	V	27 06 10 31.7	54.93S	136.17W	10	5.3b,5.9s	
MOS	V	27 06 10 33.9	54.7S	135.9W	10	5.8s	
HRVD	V	27 06 10 41.1±.1	54.39S±.01	135.92W±.02	15		
NEIC	Mw6.1(HRV), Ms6.0(BRK), Less reliable solution.						
NEIC	Mw 6.0 (GS).						
NEIC	Moment tensor solution: s15, scale 10^{17}Nm; M_{rr}0.40; $M_{\theta\theta}$8.80; $M_{\phi\phi}$−9.20; $M_{r\theta}$2.30; $M_{r\phi}$1.50; $M_{\theta\phi}$8.20. Depth 18km; Principal axes: T 12.6,Plg12°,Azm338°; N −0.1,Plg77°,Azm171°; P −12.4,Plg3°,Azm69°. Best double couple: $M_0$1.3×10^{18}Nm; NP1:ϕ_S114°,δ79°,λ7°. NP2:ϕ_S23°, δ83°,λ169°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s52,c102; Mantle waves: s52,c95; Half duration: 2s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.18±.12; $M_{\theta\theta}$9.35±.16; $M_{\phi\phi}$−9.17±.10; $M_{r\theta}$−0.41±.44; $M_{r\phi}$−3.60±.40; $M_{\theta\phi}$9.78±.12. Principal Axes: T 13.8,Plg8°,Azm156°; N 0.3,Plg75°,Azm36°; P −14.1,Plg13°,Azm248°. Best double couple: $M_0$1.4×10^{18}Nm, NP1:ϕ_S291°,δ76°,λ−4°. NP2:ϕ_S22°,δ86°,λ−166°.						
ISC	**V**	**30 17 39 18**±1.5	**54.1S**±.38	**137.8W**±.44	**10**	**3.9b**	**4 32-73**
EIDC	V	30 17 39 18.2	54.0S	137.7W	0	3.8b	**¶97v5068**
ISC	Poorly determined						
ISC	**VI**	**05 00 25 09**±1.1	**54.4S**±.49	**133.5W**±.46	**10**	**4.2b,**3.6s	**12 63-152**
EIDC	VI	05 00 25 07.6	54.6S	133.2W	0	3.9s,4.0b	**¶97vi0690**
NEIC	VI	05 00 25 08.0	54.51S	133.34W	10	4.6b	
NEIC	Poor solution.						
ISC	**VI**	**06 06 19 56.8**±.70	**54.4S**±.24	**133.6W**±.26	**10**	**4.2b,3.9s**	**12 58-145**
NEIC	VI	06 06 19 56.3	54.40S	133.61W	10	4.0b	**¶97vi0893**
EIDC	VI	06 06 20 00.2	54.1S	133.7W	23	4.1b,4.0s	
NEIC	Poor solution.						
ISC	**VI**	**08 10 47 54.0**±.58	**55.2S**±.12	**128.7W**±.18	**10**	**4.5b,4.8s**	**51 31-161**
MOS	VI	08 10 47 53.8	55.2S	128.5W	10	4.5b	**¶97vi1223**
NEIC	VI	08 10 47 53.9	55.15S	128.66W	10	4.4b,5.0s	
EIDC	VI	08 10 47 58.4	55.3S	128.7W	25	4.3b,4.5s	
HRVD	VI	08 10 48 00.8±.3	55.37S±.04	128.69W±.07	15		
NEIC	Mw5.4(HRV), Less reliable solution.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s45,c65; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}−1.33±.34; $M_{\theta\theta}$6.97±.43; $M_{\phi\phi}$−5.64±.35; $M_{r\theta}$2.44±1.24; $M_{r\phi}$−0.31±1.29; $M_{\theta\phi}$9.84±.42. Principal Axes: T 12.6,Plg8°,Azm332°; N −1.4, Plg78°,Azm105°; P −11.2,Plg8°,Azm241°. Best double couple: $M_0$1.2×10^{17}Nm, NP1:ϕ_S16°, δ78°,λ−180°. NP2:ϕ_S286°,δ90°,λ−12°.						
ISC	**VI**	**11 15 26 38.4**±.96	**56.9S**±.22	**147.7W**±.26	**10**	**4.1b,**3.3s	**15 26-151**
EIDC	VI	11 15 26 38.4	57.0S	147.8W	0	4.0b,3.7s	**¶97vi1709**
NEIC	VI	11 15 26 38.5	56.98S	147.74W	10	4.4b	
BJI	VI	11 15 26 43.5	56.90S	147.70W	10		
NEIC	Poor solution.						
ISC	**VI**	**15 08 07 12.7**±.92	**56.3S**±.27	**129.5W**±.38	**10**	**4.0b,3.8s**	**7 31-121**
NEIC	VI	15 08 07 12.7	56.31S	129.55W	10	4.4b	**¶97vi2263**
EIDC	VI	15 08 07 12.8	56.1S	129.7W	0	3.8s,3.9b	
NEIC	Poor solution.						
EIDC	**VI**	**24 09 16 07.8**	**57.6S**	**141.5W**	**0**	**4.2b**	**33-122**
							¶97vi3682
ISC	**VI**	**28 15 14 28.0**±.59	**55.4S**±.14	**128.9W**±.17	**10**	**4.4b,4.8s**	**37 32-161**
BJI	VI	28 15 14 27.5	55.28S	128.53W	20		**¶97vi4491**
NEIC	VI	28 15 14 28.1	54.92S	129.03W	10	4.4b	
EIDC	VI	28 15 14 29.0	55.0S	129.2W	0	4.3b,4.8s	
MOS	VI	28 15 14 29.8	55.3S	128.9W	10	4.4b	
NEIC	Less reliable solution.						

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ISC	**I**	**18 05 01 32.6**±.75	**71.3S**±.20	**95.8W**±.85	**30**	**4.2b**	**18 25-151**
NEIC	I	18 05 01 32.6	71.24S	96.18W	30	4.5b	**¶97i2602**
EIDC	I	18 05 01 34.1	71.3S	96.3W	29	4.1b	
NEIC	Poor solution.						
ISC	**II**	**05 08 57 53.2**±.95	**37.0S**±.17	**96.1W**±.21	**10**	**4.5b**	**20 20-157**
EIDC	II	05 08 57 52.7	36.9S	96.1W	0	4.3b,4.1s	**¶97ii0664**
NEIC	II	05 08 57 53.1	37.00S	96.05W	10	4.4b	
NEIC	Poor solution.						
ISC	**III**	**06 18 32 13.1**±.90	**36.1S**±.17	**99.0W**±.15	**10**	**4.4b,4.2s**	**32 23-162**
EIDC	III	06 18 32 12.3	36.1S	99.1W	0	4.3b,4.3s	**¶97iii1330**
NEIC	III	06 18 32 13.3	36.03S	98.97W	10	4.8b	
MOS	III	06 18 32 16.8	35.2S	98.0W	10	4.3b	
NEIC	Less reliable solution.						
ISC	**IV**	**08 00 18 45**±3.5	**37.2S**±.53	**96.8W**±.54	**0**	**3.8b,**3.2s	**6 21-151**
EIDC	IV	08 00 18 46.6	37.0S	96.8W	0	3.7s,3.9b	**¶97iv1249**
ISC	Poorly determined						
ISC	**IV**	**18 12 49 24.7**±.37	**41.03S**±.072	**91.33W**±.093	**10**	**5.0b,4.7s**	**117 16-177**
MOS	IV	18 12 49 24.2	41.0S	91.3W	10	5.1b	**¶97iv3078**
NEIC	IV	18 12 49 24.3	41.07S	91.41W	10	5.1b,4.7s	
BJI	IV	18 12 49 27.3	41.00S	91.40W	10		
HRVD	IV	18 12 49 27.4±.3	41.22S±.04	91.47W±.06	15		
EIDC	IV	18 12 49 28.0	41.0S	91.6W	25	4.7b,4.7s	
NEIC	Mw5.5(HRV).						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s31,c49; Half duration: 1s2. Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.05; $M_{\theta\theta}$0.22±.07; $M_{\phi\phi}$−0.24±.08; $M_{r\theta}$0.58±.19; $M_{r\phi}$−0.66±.20; $M_{\theta\phi}$−1.58±.05. Principal Axes: T 1.98,Plg24°,Azm42°; N −0.36, Plg66°,Azm208°; P −1.62,Plg5°,Azm309°. Best double couple: $M_0$1.8×10^{17}Nm, NP1:ϕ_S83°, δ70°,λ166°. NP2:ϕ_S178°,δ77°,λ21°.						
ISC	**V**	**20 03 33 02.2**±.46	**41.26S**±.088	**91.2W**±.12	**10**	**4.6b,4.4s**	**67 16-159**
EIDC	V	20 03 33 00.9	41.3S	91.4W	0	4.5b,4.3s	**¶97v3349**
MOS	V	20 03 33 01.9	41.2S	91.2W	10	4.8b	
NEIC	V	20 03 33 01.9	41.25S	91.17W	10	4.7b,4.4s	
ISC	**V**	**29 14 36 21**±2.8	**36.0S**±.47	**100.6W**±.44	**10**	**4.0b,**3.9s	**10 24-151**
EIDC	V	29 14 36 20.5	36.2S	100.4W	0	3.9b,4.1s	**¶97v4881**
NEIC	V	29 14 36 22.8	35.64S	100.19W	10		
NEIC	Poor solution.						
ISC	**V**	**29 17 02 38.9**±.19	**35.94S**±.038	**102.50W**±.051	**10**	**5.5b,6.2s**	**407 25-176**
EIDC	V	29 17 02 38.1	35.9S	102.5W	0	5.3b,6.0s	**¶97v4902**
BJI	V	29 17 02 38.7	35.90S	102.50W	10	6.4s	
NEIC	V	29 17 02 38.7	35.96S	102.51W	10	5.6b,6.1s	
MOS	V	29 17 02 41.2	35.5S	102.3W	10	5.9b,6.1s	
HRVD	V	29 17 02 45.7±.1	36.03S±.01	102.41W±.01	15		
NEIC	Mw6.5(HRV), Ms6.2(BRK).						
NEIC	Mw 6.4 (GS). Mo=6.4×10^{18}Nm (PPT).						
NEIC	Moment tensor solution: s46, scale 10^{18}Nm; M_{rr}0.24; $M_{\theta\theta}$−0.33; $M_{\phi\phi}$0.09; $M_{r\theta}$−0.10; $M_{r\phi}$−0.40; $M_{\theta\phi}$−4.45. Depth 28km; Principal axes: T 4.34,Plg3°,Azm46°; N 0.25,Plg85°, Azm173°; P −4.60,Plg4°,Azm316°. Best double couple: $M_0$4.5×10^{18}Nm; NP1:ϕ_S91°,δ85°, λ−179°. NP2:ϕ_S1°,δ89°,λ−5°.						
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s64,c157; Mantle waves: s63,c143; Half duration: 4s0. Moment tensor: Scale 10^{18}Nm; M_{rr}−0.68±.03; $M_{\theta\theta}$−0.57±.03; $M_{\phi\phi}$1.25±.03; $M_{r\theta}$0.41±.10; $M_{r\phi}$−0.96±.11; $M_{\theta\phi}$−5.70±.02. Principal Axes: T 6.26,Plg8°,Azm50°; N −0.81,Plg81°,Azm204°; P −5.46,Plg4°,Azm319°. Best double couple: $M_0$5.9×10^{18}Nm, NP1:ϕ_S94°,δ82°,λ177°. NP2:ϕ_S185°,δ87°,λ8°.						
ISC	**VI**	**29 16 29 06.5**±.52	**36.20S**±.090	**100.8W**±.16	**10**	**4.2b,4.1s**	**23 24-155**
NEIC	VI	29 16 29 06.7	36.16S	100.70W	10	4.6b	**¶97vi4641**
EIDC	VI	29 16 29 06.8	36.0S	100.6W	0	4.1b,4.1s	
MOS	VI	29 16 29 08.5	36.3S	100.3W	10	4.7b	
NEIC	Less reliable solution.						

SEISMIC REGION 44.
GALAPAGOS AREA.

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ISC	**II**	**27 01 53 09**±3.7	**1.1N**±.59	**102.1W**±.82	**10**	**3.6b**	**5 28-71**
EIDC	II	27 01 53 09.4	1.2N	101.9W	0	3.6b	**¶97ii3887**
ISC	**IV**	**03 01 56 12**±2.2	**1.1N**±.34	**101.8W**±.49	**10**	**4.1b,3.9s**	**11 28-122**
NEIC	IV	03 01 56 12.6	1.28N	101.45W	10	4.0b	**¶97iv0363**
EIDC	IV	03 01 56 12.7	1.2N	101.6W	0	4.0b,3.9s	
NEIC	Poor solution.						
EIDC	**IV**	**07 19 39 08.2**	**1.2N**	**100.1W**	**0**	**3.8b**	**28-72**
							¶97iv1212
EIDC	**IV**	**07 21 17 46.0**	**2.7N**	**103.3W**	**0**	3.4b	**27-69**
							¶97iv1228
EIDC	**IV**	**22 04 09 30.5**	**8.2S**	**114.9W**	**21**	**3.1b**	**39-146**
							¶97iv3638
ISC	**V**	**01 23 06 29**±2.5	**6.4N**±.38	**105.3W**±.59	**10**	**3.7b,**3.4s	**8 23-146**
NEIC	V	01 23 06 30.3	6.64N	104.86W	10		**¶97v0172**
EIDC	V	01 23 06 30.3	6.6N	104.9W	0	3.7b,3.4s	
NEIC	Poor solution.						
ISC	**V**	**05 17 58 58**±2.6	**4.1N**±.41	**103.7W**±.66	**10**	**4.1b,3.9s**	**12 34-68**
NEIC	V	05 17 58 58.8	4.20N	103.52W	10	4.1b	**¶97v0828**
EIDC	V	05 17 59 01.2	4.7N	102.9W	0	4.1b,3.6s	
NEIC	Poor solution.						
ISC	**V**	**24 11 24 24**±3.1	**2.8S**±.36	**111.6W**±.51	**10**	**3.7b**	**7 33-146**
EIDC	V	24 11 24 25.2	2.7S	111.1W	0	3.6b	**¶97v4104**
ISC	**VI**	**06 23 21 23.0**±.78	**1.9N**±.11	**101.8W**±.14	**10**	**4.4b,**4.1s	**43 27-151**
EIDC	VI	06 23 21 21.1	1.8N	102.2W	0	4.3b,3.9s	**¶97vi1015**
NEIC	VI	06 23 21 22.0	1.77N	101.94W	10	4.5b	
NEIC	Less reliable solution.						
ISC	**VI**	**10 20 42 43**±3.8	**0.2N**±.55	**104.8W**±.77	**10**	**3.6b**	**5 29-150**
EIDC	VI	10 20 42 46.4	0.4N	104.4W	0	3.7b	**¶97vi1566**
ISC	Poorly determined						

(694) Northern Easter I. Cordillera.

EIDC	**I**	**20 15 14 09.9**	**6.1S**	**103.7W**	**24**	**3.9b**	**49-155**
							¶97i3026

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**I**	**20 20 59 31.9**	**4.2S**	**106.4W**	**0**	**3.5b**		**33-75**
								¶97i3081
ISC	**II**	**26 00 20 42**±1.3	**9.0S**±.17	**108.3W**±.27	**10**	**4.3b,4.4s**	**24**	**38-152**
NEIC	II	26 00 20 42.5	8.94S	108.23W	10	4.6b		**¶97ii3713**
EIDC	II	26 00 20 42.5	9.0S	108.4W	0	4.1b,4.3s		
NEIC	Less reliable solution.							
ISC	**II**	**26 01 09 07**±1.3	**9.5S**±.17	**109.0W**±.27	**10**	**4.2b**	**22**	**39-152**
NEIC	II	26 01 09 07.8	9.48S	108.98W	10	4.2b		**¶97ii3722**
EIDC	II	26 01 09 08.2	9.6S	108.9W	0	4.1b		
NEIC	Poor solution.							
ISC	**II**	**28 06 06 48.4**±.97	**8.9S**±.13	**108.1W**±.17	**10**	**4.4b,5.0s**	**56**	**31-152**
EIDC	II	28 06 06 48.1	8.7S	108.1W	0	4.3b,4.9s		**¶97ii4154**
NEIC	II	28 06 06 49.1	8.80S	107.90W	10	4.7b		
MOS	II	28 06 06 51.3	8.4S	107.7W	10	5.2b		
BJI	II	28 06 06 52.1	8.80S	107.90W	10	5.8s		
NEIC	Less reliable solution.							
EIDC	**III**	**14 12 22 30.6**	**4.1S**	**103.5W**	**0**	**3.8b**		**33-76**
								¶97iii2873
EIDC	**III**	**14 12 37 06.1**	**4.0S**	**103.1W**	**0**	**3.9b**		**47-76**
								¶97iii2877
ISC	**III**	**25 08 09 19.6**±.51	**4.48S**±.077	**105.2W**±.11	**10**	**4.6b,5.3s**	**107**	**23-153**
EIDC	III	25 08 09 17.8	4.6S	105.5W	0	4.4b,5.3s		**¶97iii4696**
MOS	III	25 08 09 19.2	4.5S	104.7W	10	5.2b		
NEIC	III	25 08 09 19.2	4.52S	105.27W	10	5.0b,5.3s		
BJI	III	25 08 09 21.5	3.89S	105.80W	10	6.1s		
HRVD	III	25 08 09 25.3±.2	4.48S±.02	105.49W±.02	15			
NEIC	Mw5.7(HRV).							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s39,c65; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.05; $M_{\theta\theta}$0.84±.06; $M_{\phi\phi}$−0.98±.08; $M_{r\theta}$−0.15±.22; $M_{r\phi}$1.59±.23; $M_{\theta\phi}$3.07±.06. Principal Axes: T 3.37,Plg16°,Azm320°; N 0.39, Plg64°,Azm194°; P −3.76,Plg20°,Azm56°. Best double couple: $M_0$3.6×10^{17}Nm, NP1:ϕ_S97°, δ65°,λ−3°. NP2:ϕ_S188°,δ87°,λ−154°.							
ISC	**IV**	**02 10 06 03**±1.1	**12.4S**±.17	**110.4W**±.27	**10**	**3.8b,**3.8s	**10**	**41-151**
NEIC	IV	02 10 06 02.1	12.50S	110.48W	10	4.6b		**¶97iv0228**
EIDC	IV	02 10 06 02.2	12.5S	110.4W	0	3.5b,3.8s		
NEIC	Poor solution.							
ISC	**IV**	**07 17 52 57.8**±.52	**4.55S**±.077	**105.0W**±.12	**10**	**4.7b,5.3s**	**111**	**34-153**
EIDC	IV	07 17 52 56.1	4.6S	105.8W	0	4.4b,5.3s		**¶97iv1201**
MOS	IV	07 17 52 56.4	4.8S	105.4W	10	5.0b,5.3s		
BJI	IV	07 17 52 56.6	4.70S	105.00W	10			
NEIC	IV	07 17 52 56.6	4.69S	105.05W	10	4.8b,5.3s		
HRVD	IV	07 17 53 04.8±.2	4.46S±.02	105.26W±.02	15			
NEIC	Mw5.7(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c89; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.35±.06; $M_{\theta\theta}$1.04±.07; $M_{\phi\phi}$−0.69±.08; $M_{r\theta}$−0.30±.24; $M_{r\phi}$1.54±.23; $M_{\theta\phi}$3.85±.06. Principal Axes: T 4.24,Plg10°,Azm320°; N 0.03, Plg68°,Azm205°; P −4.28,Plg20°,Azm53°. Best double couple: $M_0$4.3×10^{17}Nm, NP1:ϕ_S95°, δ69°,λ−8°. NP2:ϕ_S188°,δ83°,λ−159°.							
EIDC	**IV**	**18 00 55 24.3**	**5.2S**	**105.9W**	**0**	**3.5b,**3.7s		**48-76**
								¶97iv3003
ISC	**IV**	**18 02 55 19**±2.9	**4.2S**±.48	**104.9W**±.72	**10**	**3.9b,**4.0s	**8**	**45-81**
EIDC	IV	18 02 55 20.3	3.9S	104.6W	0	3.7b,3.9s		**¶97iv3014**
ISC	**V**	**12 08 41 20**±1.4	**9.2S**±.17	**109.8W**±.31	**10**	**4.2b,4.1s**	**20**	**39-151**
EIDC	V	12 08 41 18.8	9.2S	110.2W	0	3.9s,3.8b		**¶97v1924**
NEIC	V	12 08 41 19.8	9.20S	109.86W	10	4.5b		
NEIC	Poor solution.							
EIDC	**V**	**12 14 01 54.5**	**10.4S**	**109.0W**	**0**	**3.7b,**4.4s		**40-152**
								¶97v1974
ISC	**V**	**13 00 56 47.2**±.85	**8.9S**±.12	**109.6W**±.18	**10**	**4.3b,4.7s**	**38**	**38-152**
EIDC	V	13 00 56 46.0	8.9S	109.8W	0	4.1b,4.6s		**¶97v2092**
NEIC	V	13 00 56 46.9	8.95S	109.63W	10	4.7b,4.8s		
MOS	V	13 00 56 47.3	8.9S	109.6W	10	5.1b		
HRVD	V	13 00 56 49.2±.5	8.92S±.05	109.86W±.06	15			
BJI	V	13 00 56 50.9	8.90S	109.60W	15			
NEIC	Mw5.3(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s24,c35; Half duration: 1s0. Moment tensor: Scale 10^{16}Nm; M_{rr}−0.72±.43; $M_{\theta\theta}$−1.87±.45; $M_{\phi\phi}$2.59±.73; $M_{r\theta}$−0.46±1.29; $M_{r\phi}$−4.45±1.85; $M_{\theta\phi}$9.57±.35. Principal Axes: T 11.4,Plg18°,Azm126°; N −1.3,Plg66°,Azm350°; P −10.1,Plg15°,Azm221°. Best double couple: $M_0$1.1×10^{17}Nm, NP1: ϕ_S264°,δ66°,λ2°. NP2:ϕ_S174°,δ89°,λ156°.							
EIDC	**V**	**24 09 49 58.6**	**6.5S**	**106.2W**	**0**	**3.4b**		**36-153**
								¶97v4093
ISC	**V**	**24 10 23 16**±2.7	**6.0S**±.36	**106.8W**±.44	**10**	**3.8b,**3.8s	**13**	**35-152**
EIDC	V	24 10 23 15.9	5.9S	106.7W	0	3.7b		**¶97v4097**
NEIC	V	24 10 23 16.2	5.91S	106.61W	10	4.0b,3.8s		
NEIC	Poor solution.							
ISC	**VI**	**04 06 46 49**±2.9	**4.8S**±.41	**106.5W**±.67	**10**	**3.9b,**3.7s	**8**	**34-152**
EIDC	VI	04 06 46 50.1	4.6S	106.3W	0	3.8b,3.7s		**¶97vi0568**
ISC	**VI**	**08 21 02 39.4**±.86	**3.8S**±.12	**103.2W**±.22	**10**	**4.3b,4.6s**	**29**	**33-154**
NEIC	VI	08 21 02 22.9	6.00S	103.08W	10	4.7b		**¶97vi1285**
EIDC	VI	08 21 02 36.1	3.9S	104.0W	0	4.1b,4.6s		
NEIC	Poor solution.							

(695) West of Galapagos Islands.

ISC	**III**	**05 05 18 19**±2.1	**2.1N**±.41	**97.5W**±.63	**10**	**4.2b**	**20**	**28-126**
NEIC	III	05 05 18 17.8	2.01N	97.76W	10	4.0b		**¶97iii0991**
EIDC	III	05 05 18 54.5	2.7N	96.9W	316	3.4b		
NEIC	Poor solution.							
EIDC	**III**	**05 05 33 17.7**	**2.2N**	**98.6W**	**0**	**3.9b**		**37-71**
								¶97iii0992
ISC	**IV**	**07 14 50 12**±4.7	**1.3N**±.66	**99.9W**±.55	**10**	**3.9b**	**9**	**28-153**
NEIC	IV	07 14 50 11.5	1.30N	99.91W	10	3.7b		**¶97iv1176**
EIDC	IV	07 14 50 15.1	1.7N	100.1W	0	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**07 20 42 48**±1.8	**1.1N**±.37	**98.9W**±.74	**10**	**3.8b**	**6**	**28-72**
EIDC	IV	07 20 42 48.3	1.2N	98.7W	0	3.7b		**¶97iv1221**
EIDC	**IV**	**07 20 45 58.1**	**1.0N**	**99.0W**	**0**	**3.5b**		**29-72**
								¶97iv1224
EIDC	**IV**	**07 21 21 41.7**	**1.3N**	**98.2W**	**0**	**3.7b**		**28-72**
								¶97iv1230

(696) Galapagos Islands region.

EIDC	**II**	**14 16 09 23.4**	**0.1N**	**88.7W**	**0**	**3.4b**		**26-77**
								¶97ii2077
EIDC	**II**	**14 16 15 01.1**	**0.7N**	**87.1W**	**0**	**3.7b**		**33-160**
								¶97ii2078
ISC	**II**	**14 16 20 50**±1.1	**1.5N**±.22	**86.8W**±.27	**10**	**4.2b**	**16**	**26-159**
EIDC	II	14 16 20 49.7	1.4N	87.0W	0	4.1b		**¶97ii2079**
NEIC	II	14 16 20 50.5	1.53N	86.86W	10	3.8b		
NEIC	Poor solution.							
EIDC	**II**	**14 16 35 33.2**	**0.8N**	**87.4W**	**0**	**3.9b**		**25-160**
								¶97ii2082
ISC	**II**	**14 19 29 21**±1.1	**0.9N**±.25	**87.4W**±.32	**10**	**4.1b**	**13**	**23-160**
EIDC	II	14 19 29 18.5	0.5N	87.7W	0	4.1b		**¶97ii2102**
NEIC	II	14 19 29 20.8	0.93N	87.43W	10	3.8b		
NEIC	Poor solution.							
EIDC	**II**	**14 19 30 35.8**	**1.0N**	**87.3W**	**0**	**3.7b**		**26-160**
								¶97ii2103
ISC	**II**	**15 06 28 37.6**±.76	**1.6N**±.22	**86.5W**±.29	**10**	**4.3b,4.2s**	**23**	**17-159**
EIDC	II	15 06 28 37.0	1.6N	86.5W	0	4.2s,4.3b		**¶97ii2184**
NEIC	II	15 06 28 37.3	1.52N	86.53W	10	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**15 08 14 05.1**±.99	**1.8N**±.34	**86.4W**±.47	**10**	**4.2b,4.2s**	**18**	**23-159**
EIDC	II	15 08 14 04.7	1.8N	86.5W	0	4.0b,4.3s		**¶97ii2196**
NEIC	II	15 08 14 04.8	1.74N	86.44W	10	4.2b		
NEIC	Poor solution.							
ISC	**II**	**15 09 14 33**±1.9	**1.4N**±.53	**86.8W**±.72	**10**	**3.9b,**3.8s	**9**	**25-160**
EIDC	II	15 09 14 31.1	0.8N	87.4W	0	3.8b,3.8s		**¶97ii2203**
ISC	**II**	**15 10 33 38.9**±.47	**1.0N**±.10	**87.0W**±.13	**10**	**4.5b,4.7s**	**53**	**10-160**
EIDC	II	15 10 33 37.8	0.9N	87.2W	0	4.3b,4.6s		**¶97ii2216**
NEIC	II	15 10 33 38.6	0.97N	87.04W	10	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**15 10 47 38**±1.1	**1.1N**±.36	**87.0W**±.51	**10**	**4.0b**	**16**	**16-160**
NEIC	II	15 10 47 37.0	0.86N	87.36W	10	4.0b		**¶97ii2218**
EIDC	II	15 10 47 37.2	1.0N	87.2W	0	3.9b		
NEIC	Poor solution.							
ISC	**II**	**15 11 27 36.1**±.94	**0.3N**±.22	**87.8W**±.34	**10**	**3.9b,4.0s**	**11**	**25-160**
EIDC	II	15 11 27 35.8	0.3N	87.8W	0	4.0s,3.8b		**¶97ii2223**
NEIC	II	15 11 27 36.2	0.33N	87.88W	10			
NEIC	Poor solution.							
ISC	**II**	**15 11 38 22**±1.8	**0.9N**±.66	**87.3W**±.94	**10**	**3.7b**	**8**	**16-77**
EIDC	II	15 11 38 22.6	0.7N	87.4W	0	3.6b,3.5s		**¶97ii2226**
EIDC	**II**	**15 16 15 12.2**	**1.5N**	**86.0W**	**0**	**3.6b**		**25-77**
								¶97ii2261
ISC	**V**	**13 02 15 32**±5.1	**1.1N**±.81	**94.4W**±.40	**10**	**3.6b,**4.0s	**9**	**20-134**
NEIC	V	13 02 15 33.7	1.33N	94.21W	10	3.6b		**¶97v2108**
EIDC	V	13 02 15 33.9	1.3N	94.3W	0	3.6b,3.9s		
NEIC	Poor solution.							
ISC	**V**	**13 02 18 30**±3.6	**1.3N**±.53	**94.3W**±.27	**10**	**4.0b**	**12**	**20-74**
EIDC	V	13 02 18 28.8	1.1N	94.3W	0	3.9b,3.6s		**¶97v2109**
NEIC	V	13 02 18 29.4	1.24N	94.31W	10	4.3b		
NEIC	Poor solution.							
ISC	**V**	**20 14 16 30**±3.5	**2.1N**±.65	**90.3W**±.63	**10**	**4.0b,**3.8s	**11**	**30-133**
NEIC	V	20 14 16 29.8	2.03N	90.39W	10	4.0b		**¶97v3411**
EIDC	V	20 14 16 29.9	2.0N	90.2W	0	4.0b,3.5s		
NEIC	Poor solution.							

(697) Galapagos Islands.

ISC	**II**	**24 06 30 59**±1.0	**0.5N**±.19	**90.7W**±.28	**10**	**4.0b**	**13**	**31-87**
EIDC	II	24 06 30 58.8	0.5N	90.8W	0	3.9b		**¶97ii3433**
NEIC	II	24 06 30 59.0	0.55N	90.77W	10	3.8b		
NEIC	Poor solution.							

SEISMIC REGION 45.
MACQUARIE LOOP.

(700) South of Tasmania.

EIDC	**II**	**02 09 06 15.3**	**50.3S**	**142.8E**	**0**	3.7b		**27-147**
								¶97ii0202
EIDC	**II**	**02 09 08 02.7**	**50.3S**	**142.3E**	**0**	3.7b		**27-147**
								¶97ii0203

(701) West of Macquarie Island.

ISC	**I**	**23 14 31 20**±1.2	**53.5S**±.13	**139.0E**±.72	**10**	**4.1b**	**9**	**22-142**
NEIC	I	23 14 31 19.4	53.56S	139.04E	10	4.2b		**¶97i3511**
EIDC	I	23 14 31 19.9	53.5S	140.0E	0	4.0b		
NEIC	Poor solution.							
ISC	**I**	**25 17 39 39.2**±.99	**56.1S**±.12	**146.6E**±.68	**10**	**4.2b**	**17**	**22-156**
NEIC	I	25 17 39 39.0	56.09S	146.64E	10	4.4b		**¶97i3837**
EIDC	I	25 17 39 39.0	56.1S	146.7E	0	4.0b		
NEIC	Less reliable solution.							
NEIC	**III**	**12 00 11 26.2**	**52.93S**	**140.30E**	**10**	4.3b		**21-152**
EIDC	III	12 00 11 26.1	53.1S	140.0E	0	3.9b		**¶97iii2456**
NEIC	Poor solution.							
ISC	**III**	**12 00 15 58.8**±.82	**52.98S**±.096	**140.8E**±.39	**5**	**4.6b,4.2s**	**70**	**20-153**
BJI	III	12 00 15 58.3	52.76S	141.33E	5	5.4b		**¶97iii2457**
NEIC	III	12 00 15 58.6	53.09S	141.05E	10	4.8b		
EIDC	III	12 00 15 58.8	53.0S	141.2E	0	4.5b,4.2s		
MOS	III	12 00 15 59.7	52.9S	142.1E	10	5.7b		
NEIC	Less reliable solution.							
ISC	**III**	**15 05 51 34.1**±.42	**59.79S**±.052	**149.9E**±.18	**10**	**4.8b,5.7s**	**170**	**7-162**
EIDC	III	15 05 51 32.9	59.8S	150.1E	0	4.6b,5.4s		**¶97iii3011**
NEIC	III	15 05 51 33.3	59.85S	149.90E	10	5.0b,5.7s		
MOS	III	15 05 51 36.3	59.9S	150.0E	10	5.4b,5.5s		
BJI	III	15 05 51 38.0	59.79S	149.90E	23	5.6s		
HRVD	III	15 05 51 40.5±.1	59.91S±.02	149.99E±.03	15			
NEIC	Mw5.9(HRV), Less reliable solution.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s42,c81; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}0.03±.09; $M_{\theta\theta}$5.70±.11; $M_{\phi\phi}$−5.74±.12; $M_{r\theta}$0.04±.33; $M_{r\phi}$−0.24±.33; $M_{\theta\phi}$−7.19±.11. Principal Axes: T 9.17,Plg1°,Azm26°; N 0.03, Plg88°,Azm151°; P −9.21,Plg1°,Azm296°. Best double couple: $M_0$9.2×10^{17}Nm, NP1:ϕ_S71°, δ89°,λ−180°. NP2:ϕ_S341°,δ90°,λ−1°.							
EIDC	**III**	**21 11 48 53.5**	**57.7S**	**145.4E**	**0**	**4.0b**		**21-48**
								¶97iii4067
ISC	**IV**	**09 01 46 33**±1.0	**52.2S**±.12	**140.5E**±.66	**10**	**4.1b,**2.9s	**34**	**20-153**
NEIC	IV	09 01 46 32.0	52.29S	140.34E	10	4.2b		**¶97iv1442**
EIDC	IV	09 01 46 32.3	52.3S	140.3E	0	4.0b,2.9s		
NEIC	Poor solution.							
ISC	**IV**	**09 02 11 30**±1.1	**52.1S**±.13	**138.9E**±.86	**10**	**4.5b,3.8s**	**34**	**19-152**
EIDC	IV	09 02 11 33.6	51.8S	137.6E	0	3.8s,4.3b		**¶97iv1445**
NEIC	IV	09 02 11 34.2	51.77S	138.32E	10	4.3b,4.6s		
NEIC	Poor solution.							

ISC	**IV**	**26 10 11 51.0**±.51	**53.73S**±.056	**140.4E**±.26	**33**	**4.6b,5.3s**	**104**	**13-156**
EIDC	IV	26 10 11 50.6	53.4S	139.4E	0	4.5b		**¶97iv4521**
BJI	IV	26 10 11 54.0	53.40S	139.70E	33	5.4b,5.4s		
NEIC	IV	26 10 11 54.0	53.40S	139.71E	33	4.7b,5.3s		
HRVD	IV	26 10 11 55.2±.3	53.78S±.03	140.89E±.05	15			

NEIC Mw5.6(HRVD), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s30,c51; Half duration: 1s5. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.13±.06; $M_{\theta\theta}$0.39±.09; $M_{\phi\phi}$−0.26±.08; $M_{r\theta}$−0.79±.17; $M_{r\phi}$−0.08±.15; $M_{\theta\phi}$−3.02±.07. Principal Axes: T 3.18,Plg9°,Azm221°; N −0.10,Plg75°,Azm93°; P −3.08,Plg11°,Azm313°. Best double couple: $M_0$3.1×10^{17}Nm, NP1: ϕ_S357°,δ75°,λ−1°. NP2:ϕ_S87°,δ89°,λ−165°.

EIDC	**IV**	**26 10 46 20.8**	**56.0S**	**144.7E**	**0**	**3.6b**		**24-37**
								¶97iv4530
EIDC	**IV**	**26 20 22 29.0**	**53.6S**	**141.1E**	**0**	**3.8b**		**22-147**
								¶97iv4604
EIDC	**V**	**03 23 13 49.5**	**54.0S**	**139.1E**	**0**	**3.6b**		**22-34**
								¶97v0514
ISC	**V**	**12 12 41 31**±1.5	**55.8S**±.13	**146.8E**±.85	**10**	**3.6b**	**5**	**22-38**
EIDC	V	12 12 41 30.7	55.8S	146.8E	0	3.7b		**¶97v1961**
EIDC	**V**	**12 14 38 18.4**	**52.9S**	**140.4E**	**0**	**3.7b**		**21-33**
								¶97v1983
EIDC	**V**	**13 14 08 26.8**	**54.4S**	**144.2E**	**0**	**3.7b**		**23-35**
								¶97v2266
EIDC	**V**	**13 16 01 03.2**	**54.3S**	**141.3E**	**0**	**3.5b**		**22-35**
								¶97v2274
EIDC	**V**	**14 10 49 23.3**	**55.1S**	**144.9E**	**0**	**3.6b**		**23-144**
								¶97v2432
EIDC	**V**	**14 16 38 44.7**	**52.9S**	**140.2E**	**0**	**3.6b,3.2s**		**21-33**
								¶97v2487
EIDC	**V**	**17 22 11 57.8**	**55.3S**	**143.4E**	**0**	**3.6b**		**23-36**
								¶97v2993
EIDC	**V**	**19 16 18 16.8**	**55.6S**	**144.2E**	**0**	**3.8b**		**23-36**
								¶97v3278
EIDC	**V**	**19 16 31 43.9**	**56.8S**	**148.5E**	**0**	**3.8b**		**25-140**
								¶97v3282
EIDC	**V**	**19 16 51 00.3**	**53.2S**	**140.7E**	**0**	**3.9b**		**21-34**
								¶97v3285
ISC	**V**	**20 18 27 07.3**±.33	**59.70S**±.042	**150.3E**±.14	**10**	**4.7b,5.6s**	**150**	**7-155**
EIDC	V	20 18 27 06.1	59.8S	150.4E	0	4.6b,5.2s		**¶97v3444**
BJI	V	20 18 27 06.5	59.70S	150.50E	10			
NEIC	V	20 18 27 06.5	59.71S	150.49E	10	4.9b,5.6s		
MOS	V	20 18 27 14.2	59.3S	148.1E	10	5.5b,5.5s		
HRVD	V	20 18 27 14.9±.1	59.74S±.01	149.92E±.03	15			

NEIC Mw5.9(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s44,c85; Half duration: 2s1. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.68±.08; $M_{\theta\theta}$5.45±.09; $M_{\phi\phi}$−4.77±.09; $M_{r\theta}$−0.12±.24; $M_{r\phi}$−1.07±.26; $M_{\theta\phi}$−6.14±.09. Principal Axes: T 8.34,Plg2°,Azm25°; N −0.55, Plg82°,Azm130°; P −7.80,Plg8°,Azm295°. Best double couple: $M_0$8.1×10^{17}Nm, NP1:ϕ_S70°, δ83°,λ−176°. NP2:ϕ_S340°,δ86°,λ−7°.

EIDC	**V**	**20 19 51 43.1**	**52.7S**	**140.4E**	**0**	**3.6b**		**21-33**
								¶97v3452
EIDC	**VI**	**01 06 13 45.1**	**59.1S**	**149.0E**	**0**	**3.7b**,3.9s		**19-152**
								¶97vi0032
ISC	**VI**	**01 09 38 12.7**±.78	**59.03S**±.076	**148.8E**±.87	**10**	**4.1b**	**16**	**9-147**
NEIC	VI	01 09 38 12.1	59.21S	147.37E	10	4.2b		**¶97vi0054**
EIDC	VI	01 09 38 12.2	59.1S	148.4E	0	4.0b,3.7s		

NEIC Poor solution.

EIDC	**VI**	**02 16 58 42.0**	**56.0S**	**144.3E**	**0**	**3.7b**		**24-37**
								¶97vi0271
EIDC	**VI**	**02 18 05 02.2**	**55.1S**	**142.6E**	**0**	**3.6b**		**23-36**
								¶97vi0274
ISC	**VI**	**02 21 08 51.1**±.44	**53.55S**±.051	**140.5E**±.20	**10**	**4.7b,4.8s**	**87**	**12-153**
EIDC	VI	02 21 08 51.0	53.5S	140.2E	0	4.5b,4.6s		**¶97vi0328**
NEIC	VI	02 21 08 51.4	53.55S	140.12E	10	4.9b		
MOS	VI	02 21 08 52.2	53.7S	140.9E	10	5.3b		
HRVD	VI	02 21 09 07.2±1.3	52.77S±.10	140.91E±.10	15			

NEIC Mw5.5(HRV), Less reliable solution.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s16,c28; Half duration: 1s6. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.17±.10; $M_{\theta\theta}$0.26±.09; $M_{\phi\phi}$−0.09±.16; $M_{r\theta}$−0.52±.25; $M_{r\phi}$1.04±.37; $M_{\theta\phi}$−2.03±.08. Principal Axes: T 2.56,Plg22°,Azm225°; N −0.51,Plg63°,Azm8°; P −2.06,Plg14°,Azm129°. Best double couple: $M_0$2.3×10^{17}Nm, NP1: ϕ_S265°,δ64°,λ174°. NP2:ϕ_S358°,δ85°,λ26°.

EIDC	**VI**	**03 01 30 33.5**	**59.5S**	**151.9E**	**0**	**3.8b**		**29-42**
								¶97vi0368
ISC	**VI**	**05 12 44 46.5**±.29	**56.64S**±.045	**147.6E**±.10	**10**	**5.0b,5.4s**	**187**	**7-157**
BJI	VI	05 12 44 43.0	56.70S	148.62E	5	5.2b,5.4s		**¶97vi0769**
EIDC	VI	05 12 44 44.9	56.6S	147.7E	0	4.9b,4.9s		
MOS	VI	05 12 44 46.0	56.7S	147.9E	10	5.3b,5.3s		
NEIC	VI	05 12 44 46.1	56.61S	147.83E	10	5.3b,5.4s		
HRVD	VI	05 12 44 51.4±.2	56.73S±.02	147.25E±.04	15			

NEIC Mw5.7(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s54,c99; Half duration: 1s7. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.33±.05; $M_{\theta\theta}$1.70±.06; $M_{\phi\phi}$−1.37±.06; $M_{r\theta}$1.56±.18; $M_{r\phi}$−0.02±.18; $M_{\theta\phi}$−3.23±.06. Principal Axes: T 4.15,Plg17°,Azm30°; N −0.52, Plg67°,Azm254°; P −3.63,Plg15°,Azm125°. Best double couple: $M_0$3.9×10^{17}Nm, NP1: ϕ_S168°,δ67°,λ1°. NP2:ϕ_S77°,δ89°,λ157°.

EIDC	**VI**	**05 12 51 23.7**	**56.6S**	**147.6E**	**0**	**3.9b**		**25-152**
								¶97vi0771
EIDC	**VI**	**05 16 05 59.9**	**55.9S**	**152.3E**	**0**	**3.7b**		**25-38**
								¶97vi0798
EIDC	**VI**	**08 16 03 11.6**	**53.7S**	**140.4E**	**0**	**3.8b**,3.1s		**22-147**
								¶97vi1258
ISC	**VI**	**30 00 14 14**±1.0	**57.48S**±.094	**146.2E**±.43	**10**	**4.3b**,3.6s	**11**	**19-151**
NEIC	VI	30 00 14 14.4	57.48S	146.20E	10	4.1b		**¶97vi4687**
EIDC	VI	30 00 14 18.4	57.3S	147.1E	13	3.8s,4.3b		

NEIC Poor solution.

(702) Balleny Islands region.

EIDC	**I**	**07 13 44 10.4**	**63.7S**	**169.0E**	**19**	3.2b,3.9L		**14-132**
								¶97i0928
EIDC	**I**	**09 14 51 13.1**	**64.9S**	**164.1E**	**0**	**4.3b**,4.1s		**36-49**
								¶97i1235
ISC	**I**	**16 08 13 12**±1.2	**64.4S**±.14	**175.3E**±.56	**10**	**4.5b,4.1s**	**15**	**14-148**
NEIC	I	16 08 13 11.1	64.48S	175.47E	10	4.6b		**¶97i2274**
EIDC	I	16 08 13 15.3	64.1S	174.5E	0	4.4b,4.0s		

NEIC Poor solution.

ISC	**III**	**13 11 51 22**±1.5	**65.3S**±.15	**177.7E**±.69	**10**	**4.0b**	**10**	**13-169**
EIDC	III	13 11 51 20.6	65.2S	178.6E	0	3.6b,4.5L		**¶97iii2695**
NEIC	III	13 11 51 21.7	65.30S	177.99E	10	4.6b		

NEIC Less reliable solution.

ISC	**IV**	**06 05 02 46**±1.3	**64.7S**±.16	**175.4E**±.63	**33**	**4.3b**	**7**	**14-132**
EIDC	IV	06 05 02 43.3	64.5S	175.7E	0	4.0b,3.6L		**¶97iv0931**
EIDC	**IV**	**08 02 42 39.0**	**65.2S**	**176.4E**	**0**	**3.8b,3.8s**		**13-53**
								¶97iv1263
ISC	**IV**	**17 21 38 50.7**±.67	**63.8S**±.10	**172.8E**±.34	**10**	**4.4b,3.8s**	**20**	**14-149**
EIDC	IV	17 21 38 50.4	63.8S	172.8E	0	4.3b,4.0s		**¶97iv2976**
NEIC	IV	17 21 38 50.6	63.80S	172.74E	10	4.6b		

NEIC Less reliable solution.

ISC	**V**	**05 17 27 46**±1.3	**63.3S**±.14	**172.5E**±.66	**10**	**4.0b**	**8**	**15-137**
EIDC	V	05 17 27 46.0	63.3S	172.7E	0	3.9b,3.9L		**¶97v0822**
NEIC	V	05 17 27 46.3	63.28S	172.51E	10	4.6b		

NEIC Less reliable solution.

ISC	**V**	**31 20 43 42**±1.1	**62.4S**±.13	**162.8E**±.79	**10**	**4.2b,4.0s**	**17**	**15-160**
EIDC	V	31 20 43 40.8	63.2S	161.1E	0	4.1b,3.6s		**¶97v5237**
EIDC	**VI**	**05 13 09 39.2**	**61.3S**	**154.5E**	**0**	**4.1b**		**31-44**
								¶97vi0774

SEISMIC REGION 46.
ANDAMAN ISLANDS TO SUMATERA.

(703) Andaman Islands region.

ISC	**I**	**02 10 52 38**±1.1	**10.63N**±.042	**92.80E**±.039	**53**±9.7	**4.9b,4.4s**	**185**	**9-161**
BJI	I	02 10 52 33.5	10.35N	92.56E	36	4.8b,4.5s		**¶97i0195**
MOS	I	02 10 52 34.1	10.5N	93.0E	33	5.4b		
NEIC	I	02 10 52 35.0	10.57N	92.74E	33	5.1b		
EIDC	I	02 10 52 42.6	10.7N	93.0E	90	4.5b		
ISC	**I**	**05 09 03 52**±3.6	**11.8N**±.15	**93.6E**±.15	**121**±33	**3.8b**	**17**	**8-143**
NEIC	I	05 09 03 49.5	11.80N	93.55E	100	4.4b		**¶97i0644**
EIDC	I	05 09 03 53.3	11.9N	93.5E	113	3.6b		

NEIC Less reliable solution.

ISC	**I**	**09 18 46 12.6**±.62	**11.98N**±.074	**95.15E**±.063	**33**	**4.3b**,4.1s	**40**	**6-102**
BJI	I	09 18 46 14.5	11.70N	96.13E	33	4.5b,4.6s		**¶97i1262**
NEIC	I	09 18 46 17.8	12.18N	96.38E	33	4.8b		
EIDC	I	09 18 46 19.5	12.4N	96.8E	23	4.0b		

NEIC Less reliable solution.

ISC	**I**	**18 19 45 22**±1.4	**12.17N**±.056	**93.76E**±.050	**46**±12	**4.3b,4.1s**	**85**	**8-121**
NEIC	I	18 19 45 19.6	12.09N	93.69E	27	4.7b		**¶97i2710**
MOS	I	18 19 45 20.1	11.9N	93.7E	33	4.7b		
BJI	I	18 19 45 20.2	12.08N	93.67E	31	4.4b,4.3s		
EIDC	I	18 19 45 20.9	12.2N	93.7E	25	4.1b,4.7L		
EIDC	**I**	**21 06 31 44.9**	**13.9N**	**96.7E**	**0**	3.7b,3.2L		**5-52**
								¶97i3150
ISC	**I**	**22 01 56 33**±3.0	**10.5N**±.14	**93.7E**±.12	**133**±27	**4.0b**	**34**	**9-147**
NEIC	I	22 01 56 32.6	10.55N	93.65E	129	4.5b		**¶97i3262**
EIDC	I	22 01 56 33.2	10.5N	93.6E	117	3.8b		

NEIC Less reliable solution.

ISC	**I**	**28 04 19 32**±2.9	**10.5N**±.13	**92.8E**±.10	**37**±26	**4.3b**	**16**	**10-146**
EIDC	I	28 04 19 28.0	10.4N	92.7E	0	4.3b,4.3L		**¶97i4166**
NEIC	I	28 04 19 31.6	10.51N	92.80E	33	4.2b		
BJI	I	28 04 19 35.6	10.50N	92.80E	33			

NEIC Less reliable solution.

ISC	**II**	**16 16 45 18**±1.6	**10.6N**±.10	**93.6E**±.11	**160**±16	**3.9b**	**17**	**9-147**
NEIC	II	16 16 45 11.9	10.37N	93.45E	100	4.5b		**¶97ii2393**
EIDC	II	16 16 45 13.3	10.4N	93.4E	99	3.8b		
BJI	II	16 16 45 19.8	11.26N	93.01E	100			

NEIC Less reliable solution.

ISC	**III**	**17 23 55 50**±4.3	**12.0N**±.19	**93.8E**±.23	**138**±40	**3.6b**	**9**	**8-143**
NEIC	III	17 23 55 46.5	11.87N	93.72E	100			**¶97iii3450**
EIDC	III	17 23 55 48.5	11.8N	93.8E	100	3.6b,4.5L		

NEIC Less reliable solution.

ISC	**III**	**24 10 47 40**±1.9	**10.6N**±.13	**92.6E**±.36	**33**	**3.9b**	**7**	**10-93**
NEIC	III	24 10 47 40.1	10.55N	92.56E	33	4.2b		**¶97iii4562**
EIDC	III	24 10 47 51.3	10.8N	93.2E	93	3.5b,4.2L		

NEIC Poor solution.

ISC	**IV**	**02 22 05 12.4**±.72	**10.2N**±.11	**93.3E**±.13	**33**	**4.1b**	**17**	**10-148**
NEIC	IV	02 22 05 12.6	10.23N	93.37E	33			**¶97iv0330**
EIDC	IV	02 22 05 13.7	10.2N	93.5E	22	3.9b,3.6L		

NEIC Less reliable solution.

ISC	**V**	**05 01 18 37**±2.9	**10.19N**±.097	**93.78E**±.092	**60**±27	**4.1b**	**25**	**10-81**
BJI	V	05 01 18 40.1	10.27N	93.17E	76	4.7b,4.3s		**¶97v0719**
NEIC	V	05 01 18 40.9	10.01N	93.59E	100	4.4b		
EIDC	V	05 01 18 49.6	10.3N	94.0E	160	3.6b		

NEIC Less reliable solution.

ISC	**V**	**06 22 18 02**±1.5	**12.30N**±.047	**93.38E**±.063	**100**±15	**4.5b**	**70**	**8-162**
NEIC	V	06 22 17 58.7	12.25N	93.36E	72	5.0b		**¶97v1019**
MOS	V	06 22 17 58.9	12.3N	93.4E	76	4.9b		
BJI	V	06 22 18 00.1	12.43N	93.26E	78	4.8b		
EIDC	V	06 22 18 02.1	12.3N	93.4E	85	4.1b		
ISC	**V**	**28 05 32 31.3**±.58	**12.59N**±.084	**95.9E**±.10	**33**	**4.1b**,3.8s	**24**	**7-151**
EIDC	V	28 05 32 28.1	12.5N	95.8E	0	4.2b,3.8L		**¶97v4666**
NEIC	V	28 05 32 31.3	12.63N	95.97E	33			
BJI	V	28 05 32 31.7	12.71N	96.26E	21	4.3b,4.1s		

NEIC Less reliable solution.

ISC	**VI**	**06 21 40 57**±1.1	**10.2N**±.15	**94.7E**±.19	**33**	**3.6b**	**5**	**9-76**
EIDC	VI	06 21 40 54.3	10.1N	94.6E	0	3.7b,4.1L		**¶97vi0999**
NEIC	VI	06 21 40 57.1	10.21N	94.68E	33			

NEIC Single network solution.

(704) Nicobar Islands region.

ISC	**I**	**03 15 35 26**±2.3	**9.3N**±.10	**93.87E**±.079	**149**±20	**4.1b**	**45**	**8-148**
BJI	I	03 15 35 12.3	9.10N	93.70E	33	4.5b,4.2s		**¶97i0396**
NEIC	I	03 15 35 12.3	9.07N	93.66E	33	4.6b		
EIDC	I	03 15 35 17.2	9.2N	93.7E	59	4.0b,3.8L		

NEIC Less reliable solution.

ISC	**I**	**11 14 35 09**±4.6	**8.84N**±.058	**93.64E**±.065	**10**±27	**4.6b,4.6s**	**112**	**7-139**
EIDC	I	11 14 35 07.6	8.6N	93.5E	0	4.3b,4.4s		**¶97i1535**
BJI	I	11 14 35 11.2	8.90N	93.14E	19	4.8b,4.8s		
KLM	I	11 14 35 12	8.4N	93.6E	33	3.9L		
NEIC	I	11 14 35 12.0	8.86N	93.70E	33	4.7b,4.7s		
HRVD	I	11 14 35 14.8±.5	9.06N±.05	93.30E±.04	48±4.7			
MOS	I	11 14 35 15.2	9.0N	93.3E	33	5.0b,4.8s		
KLM	Mb4.7							

NEIC Mw5.3(HRV).

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s17,c29; Half duration: 1s1. Moment tensor: Scale 10^{16}Nm; M_{rr}0.49±.31; $M_{\theta\theta}$0.53±.62; $M_{\phi\phi}$−1.02±.77; $M_{r\theta}$−0.72±.79; $M_{r\phi}$1.55±.77; $M_{\theta\phi}$9.27±.32. Principal Axes: T 9.09,Plg3°,Azm317°; N 0.72, Plg80°,Azm206°; P −9.81,Plg9°,Azm47°. Best double couple: $M_0$9.4×10^{16}Nm, NP1:ϕ_S92°, δ81°,λ−4°. NP2:ϕ_S182°,δ86°,λ−171°.

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**I**	**15 11 11 45**±1.4	**8.4N**±.16	**93.6E**±.18	**33**	**4.2b**	**24**	**11-95**
EIDC	I	15 11 11 37.6	7.6N	93.8E	0	4.3b,4.5L		¶97i2146
ISC	**I**	**16 09 17 32.4**±.97	**9.1N**±.13	**93.9E**±.14	**33**	**4.0b**	**20**	**11-161**
EIDC	I	16 09 17 31.4	9.0N	94.2E	0	4.0b,4.3L		¶97i2284
ISC	**I**	**17 15 30 46**±2.3	**8.1N**±.25	**93.4E**±.21	**33**	**4.2b**	**16**	**12-79**
EIDC	I	17 15 30 41.6	7.8N	93.2E	0	4.2b		¶97i2476
ISC	**I**	**29 19 40 55.4**±.91	**7.5N**±.13	**95.6E**±.20	**150**	**3.9b**	**10**	**11-79**
EIDC	I	29 19 40 44.8	7.0N	95.0E	42	4.0b,3.6L		¶97i4391
BJI	I	29 19 40 55.5	7.50N	95.60E	150	4.0b		
NEIC	I	29 19 40 55.5	7.52N	95.59E	150	4.2b		
NEIC	Less reliable solution.							
ISC	**II**	**27 02 05 20**±1.0	**7.6N**±.14	**94.0E**±.19	**33**	**3.9b**	**6**	**12-75**
EIDC	II	27 02 05 17.4	7.5N	93.9E	0	3.9b,4.3L		¶97ii3889
NEIC	II	27 02 05 20.4	7.61N	94.01E	33			
NEIC	Single network solution.							
ISC	**III**	**09 21 29 37**±1.9	**8.08N**±.060	**93.82E**±.074	**107**±18	**4.6b**	**63**	**8-145**
MOS	III	09 21 29 36.8	8.2N	94.0E	100	4.8b		¶97iii2092
BJI	III	09 21 29 36.8	8.04N	93.73E	110	4.9b		
NEIC	III	09 21 29 37.9	8.02N	93.76E	111	4.4b		
EIDC	III	09 21 29 39.5	8.0N	93.8E	113	4.2b		
EIDC	**III**	**27 18 21 03.4**	**9.9N**	**94.7E**	**0**	3.7b,3.6L		**9-51**
								¶97iii5281
ISC	**V**	**13 05 10 39**±1.4	**9.8N**±.19	**92.1E**±.23	**33**	**3.7b**	**4**	**11-73**
EIDC	V	13 05 10 36.2	9.7N	92.0E	0	3.7b,4.1L		¶97v2131
ISC	Poorly determined							
ISC	**VI**	**27 01 23 59**±1.4	**8.51N**±.055	**93.23E**±.064	**95**±13	**4.6b**	**71**	**7-139**
BJI	VI	27 01 23 58.4	8.40N	93.15E	99	4.6b		¶97vi4217
MOS	VI	27 01 23 59.8	8.6N	93.4E	100	4.8b		
NEIC	VI	27 01 23 59.9	8.44N	93.14E	100	4.7b		
EIDC	VI	27 01 24 04.9	8.5N	93.3E	135	4.0b,3.7s		

(705) Off west coast of Northern Sumatera.

EIDC	**II**	**17 09 48 41.3**	**3.7N**	**93.5E**	**0**	**3.9b**,4.7L		**8-58**
								¶97ii2473
ISC	**II**	**26 06 47 59**±5.6	**4.1N**±.19	**94.9E**±.29	**55**±44	**4.5b**	**15**	**6-79**
BJI	II	26 06 47 56.1	4.02N	94.91E	35	4.7b		¶97ii3753
EIDC	II	26 06 47 57.3	3.2N	94.0E	47	4.2b		
NEIC	II	26 06 47 57.5	3.94N	94.82E	48	4.4b		
NEIC	Less reliable solution.							
ISC	**III**	**03 00 19 05**±1.3	**4.0N**±.16	**94.4E**±.26	**44**±2.0*	**4.1b**	**8**	**15-79**
EIDC	III	03 00 19 07.5	4.0N	94.4E	42	3.8b,4.1L		¶97iii0432
ISC	**III**	**03 04 14 57**±1.2	**4.4N**±.15	**93.3E**±.23	**33**	**4.3b**	**10**	**8-98**
EIDC	III	03 04 14 54.4	4.3N	93.3E	0	4.3b,4.1s		¶97iii0477
ISC	**III**	**13 06 55 16**±4.4	**2.6N**±.15	**96.0E**±.22	**52**±35	**4.1b**	**17**	**5-99**
BJI	III	13 06 55 13.3	2.50N	95.80E	33	4.6b		¶97iii2661
NEIC	III	13 06 55 13.3	2.49N	95.84E	33			
EIDC	III	13 06 55 14.2	2.5N	95.8E	24	3.9b		
NEIC	Single network solution.							
ISC	**IV**	**02 21 00 54.9**±.95	**3.2N**±.12	**95.3E**±.18	**33**	**3.8b**	**13**	**3-82**
EIDC	IV	02 21 00 56.6	3.2N	95.3E	26	3.7b,4.5L		¶97iv0318
NEIC	IV	02 21 01 03.0	3.42N	95.52E	100			
NEIC	Less reliable solution.							
ISC	**IV**	**21 13 24 51**±1.6	**4.2N**±.20	**94.2E**±.19	**33**	**4.3b**	**7**	**4-79**
EIDC	IV	21 13 24 35.2	2.6N	96.1E	0	4.3b,4.4L		¶97iv3484
EIDC	**IV**	**28 17 52 13.6**	**3.7N**	**92.6E**	**0**	3.8b		**6-49**
								¶97iv4963
ISC	**V**	**02 05 44 39**±1.3	**3.75N**±.059	**95.98E**±.085	**69**±12	**4.3b**	**61**	**2-142**
MOS	V	02 05 44 35.0	3.8N	96.0E	33	4.8b		¶97v0210
KLM	V	02 05 44 35	3.7N	95.9E	33	3.8L		
BJI	V	02 05 44 35.0	3.68N	95.71E	39	4.8b		
NEIC	V	02 05 44 35.2	3.67N	95.91E	33	4.6b,4.1s		
EIDC	V	02 05 44 39.9	3.7N	95.9E	64	3.9b,4.0s		
NEIC	Less reliable solution.							
ISC	**V**	**04 08 03 08**±1.6	**0.77N**±.060	**96.47E**±.085	**43**±14	**4.5b**,4.3s	**67**	**3-158**
BJI	V	04 08 03 06.4	0.74N	96.45E	27	4.7b,4.5s		¶97v0594
NEIC	V	04 08 03 06.6	0.73N	96.41E	30	4.9b,4.3s		
MOS	V	04 08 03 06.7	0.8N	96.4E	33	4.9b		
KLM	V	04 08 03 07	0.7N	96.4E	30	4.2L		
EIDC	V	04 08 03 08.2	0.7N	96.4E	30	4.2b,4.7L		
ISC	**V**	**09 07 44 22**±1.8	**3.8N**±.17	**94.0E**±.20	**33**	**3.8b**	**8**	**4-66**
EIDC	V	09 07 44 17.3	3.6N	93.3E	0	3.8b,4.4L		¶97v1382
ISC	**V**	**23 17 53 09**±1.2	**2.4N**±.14	**95.6E**±.11	**33**	**4.3b**	**15**	**3-143**
EIDC	V	23 17 53 05.6	2.2N	96.0E	0	4.3b,4.8L		¶97v3978
ISC	**V**	**27 00 21 57**±2.4	**3.87N**±.080	**95.5E**±.13	**93**±21	**4.2b**	**29**	**6-146**
BJI	V	27 00 21 49.6	3.66N	95.46E	39	4.7b		¶97v4494
NEIC	V	27 00 21 50.5	3.77N	95.33E	33	4.2b		
EIDC	V	27 00 21 54.1	3.8N	95.4E	47	4.0b,2.8s		
NEIC	Less reliable solution.							
ISC	**VI**	**06 01 50 52**±1.5	**2.78N**±.063	**95.90E**±.055	**55**±13	**5.0b,4.6s**	**131**	**5-159**
MOS	VI	06 01 50 47.1	2.7N	95.8E	15	5.3b,4.5s		¶97vi0863
BJI	VI	06 01 50 47.8	2.70N	95.75E	23	5.4b,5.0s		
KLM	VI	06 01 50 48	2.7N	95.8E	23	4.1L		
NEIC	VI	06 01 50 48.2	2.73N	95.82E	23	4.8b,4.4s		
EIDC	VI	06 01 50 49.6	2.7N	95.8E	22	4.6b,4.4s		
KLM	Mb4.8							
ISC	**VI**	**06 03 47 31**±1.3	**2.78N**±.057	**95.86E**±.059	**53**±12	**4.9b,4.7s**	**128**	**3-159**
BJI	VI	06 03 47 26.8	2.73N	95.81E	23	5.2b,5.0s		¶97vi0879
KLM	VI	06 03 47 27	2.8N	97.5E	22	4.2L		
NEIC	VI	06 03 47 27.3	2.82N	95.79E	22	4.9b,4.7s		
EIDC	VI	06 03 47 28.7	2.8N	95.9E	20	4.6b,4.3s		
MOS	VI	06 03 47 29.3	2.8N	95.9E	33	5.5b,4.5s		
KLM	Mb4.9							
ISC	**VI**	**19 07 07 17**±2.0	**3.57N**±.081	**95.2E**±.14	**61**±18	**4.2b**	**36**	**3-159**
BJI	VI	19 07 07 12.9	3.57N	95.08E	33	4.6b,4.5s		¶97vi2875
NEIC	VI	19 07 07 13.8	3.47N	95.07E	35	4.2b		
EIDC	VI	19 07 07 16.0	3.4N	95.0E	32	4.0b,3.8s		
NEIC	Less reliable solution.							
ISC	**VI**	**22 10 33 40**±4.0	**3.0N**±.17	**95.7E**±.31	**71**±30	**4.0b**	**11**	**3-78**
EIDC	VI	22 10 33 41.7	3.0N	95.7E	72	3.8b,4.3L		¶97vi3373

(706) Northern Sumatera.

ISC	**I**	**03 01 35 18**±3.4	**2.7N**±.15	**96.3E**±.14	**45**±30	**4.3b**	**16**	**5-81**
EIDC	I	03 01 35 13.1	2.5N	96.1E	0	4.2b,3.4s		¶97i0298
NEIC	I	03 01 35 16.9	2.64N	96.32E	33	4.6b		
ISC	**I**	**03 17 36 28**±5.2	**5.7N**±.21	**95.4E**±.34	**208**±44	**3.5b**	**10**	**6-80**
NEIC	I	03 17 36 26.6	5.69N	95.38E	200			¶97i0407
EIDC	I	03 17 36 30.2	5.8N	95.6E	209	3.4b		
NEIC	Less reliable solution.							
ISC	**I**	**05 04 27 18**±3.8	**3.4N**±.18	**96.4E**±.20	**91**±33	**3.9b**	**24**	**5-83**
NEIC	I	05 04 27 18.9	3.28N	96.29E	100	4.1b		¶97i0615
EIDC	I	05 04 27 19.9	3.3N	96.4E	94	3.7b,4.2L		
NEIC	Less reliable solution.							
ISC	**I**	**13 06 26 31**±2.8	**0.4N**±.15	**99.2E**±.16	**102**±23	**4.4b**	**39**	**4-146**
EIDC	I	13 06 26 19.8	0.2N	99.0E	0	4.4b,4.6L		¶97i1787
NEIC	I	13 06 26 30.9	0.49N	99.23E	100	4.3b		
BJI	I	13 06 26 31.5	0.48N	99.10E	112	5.1b		
NEIC	Less reliable solution.							
EIDC	**I**	**21 06 55 10.4**	**4.4N**	**97.5E**	**0**	**3.8b**		**43-55**
								¶97i3151
ISC	**I**	**23 11 12 10.4**±.58	**1.6N**±.16	**99.3E**±.16	**33**	**4.3b**	**12**	**40-86**
EIDC	I	23 11 12 06.9	1.6N	99.3E	0	4.4b		¶97i3489
NEIC	I	23 11 12 10.4	1.65N	99.37E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**I**	**27 02 13 47**±1.1	**5.0N**±.26	**99.5E**±.27	**33**	**4.1b**	**9**	**38-85**
EIDC	I	27 02 13 42.8	4.8N	99.3E	0	4.0b		¶97i4035
ISC	**II**	**07 19 03 18.9**±.69	**0.49N**±.097	**98.8E**±.14	**50**	**4.4b**	**25**	**4-143**
BJI	II	07 19 03 18.9	0.40N	98.80E	50	5.1b		¶97ii1021
NEIC	II	07 19 03 18.9	0.39N	98.76E	50	4.5b		
KLM	II	07 19 03 19	0.4N	98.7E	50	3.7L		
EIDC	II	07 19 03 21.0	0.5N	99.0E	52	4.0b		
NEIC	Less reliable solution.							
KLM	Mb4.5							
ISC	**II**	**08 12 39 46**±1.3	**1.70N**±.036	**98.04E**±.041	**72**±11	**5.1b**	**243**	**4-160**
BJI	II	08 12 39 41.5	1.61N	97.95E	32	5.0b,4.8s		¶97ii1142
NEIC	II	08 12 39 41.8	1.66N	97.95E	33	5.3b,4.6s		
MOS	II	08 12 39 42.0	1.7N	98.0E	33	5.6b		
KLM	II	08 12 39 42	1.7N	97.9E	33	4.8L		
EIDC	II	08 12 39 45.0	1.6N	98.0E	50	4.9b,4.3s		
HRVD	II	08 12 39 47.9±.4	1.65N±.04	98.03E±.06	33			
NEIC	Mw5.2(HRV).							
KLM	Mb5.3							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s20,c31; Half duration: 1τ0. Moment tensor: Scale 10^{16}Nm; M_{rr}−7.90±.44; $M_{\theta\theta}$5.36±.39; $M_{\phi\phi}$2.54±.65; $M_{r\theta}$2.64±1.34; $M_{r\phi}$1.09±.92; $M_{\theta\phi}$0.20±.47. Principal Axes: T 5.91,Plg11°,Azm353°; N 2.59, Plg4°,Azm262°; P −8.50,Plg78°,Azm154°. Best double couple: $M_0$7.2×10^{16}Nm, NP1:ϕ_S88°, δ34°,λ−83°. NP2:ϕ_S260°,δ57°,λ−95°.

ISC	**II**	**09 17 39 38.7**±.74	**5.3N**±.12	**94.4E**±.13	**49**	**4.1b**	**18**	**14-81**
BJI	II	09 17 39 38.4	5.40N	94.58E	44	4.2b		¶97ii1336
NEIC	II	09 17 39 38.4	5.19N	94.35E	49	4.2b		
EIDC	II	09 17 39 40.2	5.1N	94.2E	49	3.9b,4.7L		
NEIC	Less reliable solution.							
ISC	**II**	**11 09 08 20.1**±.97	**2.6N**±.16	**97.1E**±.27	**33**	**4.1b**	**8**	**16-143**
NEIC	II	11 09 08 20.0	2.58N	97.08E	33			¶97ii1610
EIDC	II	11 09 08 26.7	2.7N	97.4E	80	3.9b,4.5L		
NEIC	Poor solution.							
ISC	**II**	**15 16 47 51**±2.6	**4.2N**±.11	**96.5E**±.16	**74**±24	**4.0b**	**23**	**5-142**
BJI	II	15 16 47 40.9	4.00N	96.40E	33			¶97ii2263
EIDC	II	15 16 47 42.8	3.9N	96.2E	0	4.0b,4.2L		
NEIC	II	15 16 47 45.9	4.04N	96.36E	33	4.4b		
KLM	II	15 16 47 46	4.0N	96.3E	33	3.5L		
NEIC	Less reliable solution.							
KLM	Mb4.4							
ISC	**II**	**26 23 58 22**±2.9	**4.47N**±.097	**96.0E**±.13	**31**±26	**4.4b**	**31**	**5-82**
BJI	II	26 23 58 21.2	4.15N	95.47E	56	4.9b		¶97ii3880
NEIC	II	26 23 58 23.6	4.59N	96.06E	50	4.6b		
EIDC	II	26 23 58 30.8	4.7N	96.3E	96	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**05 16 50 17.6**±.64	**4.2N**±.10	**95.2E**±.13	**100**	**4.1b**	**20**	**6-97**
BJI	III	05 16 50 16.4	3.85N	95.23E	127	4.7b		¶97iii1101
NEIC	III	05 16 50 17.7	4.16N	95.12E	100	4.2b		
EIDC	III	05 16 50 23.0	4.3N	95.3E	135	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**06 15 13 19**±2.0	**0.71N**±.075	**99.9E**±.14	**161**±17	**4.5b**	**59**	**4-146**
BJI	III	06 15 13 12.4	0.01S	100.06E	150	4.8b		¶97iii1299
NEIC	III	06 15 13 17.8	0.70N	99.85E	150	4.6b		
KLM	III	06 15 13 18	0.7N	99.8E	150	3.8L		
MOS	III	06 15 13 23.1	0.7N	100.0E	198	4.7b		
EIDC	III	06 15 13 25.1	0.6N	99.9E	205	4.1b		
NEIC	Less reliable solution.							
KLM	Mb 4.6							
ISC	**III**	**13 00 33 25**±1.6	**5.15N**±.060	**95.65E**±.074	**122**±16	**4.5b**	**63**	**5-161**
MOS	III	13 00 33 16.3	5.0N	95.3E	46	5.0b		¶97iii2615
BJI	III	13 00 33 20.5	4.90N	95.33E	95	4.8b		
KLM	III	13 00 33 21	5.0N	95.4E	90	3.9L		
NEIC	III	13 00 33 21.5	5.04N	95.46E	90	4.7b		
EIDC	III	13 00 33 23.4	5.0N	95.4E	94	4.1b		
KLM	Mb4.7							
NEIC	Less reliable solution.							
NEIC	Felt at Banda Aceh.							
ISC	**III**	**13 19 43 21**±4.5	**3.0N**±.17	**96.4E**±.23	**66**±38	**4.1b**	**15**	**5-81**
EIDC	III	13 19 43 13.9	2.8N	96.3E	0	4.1b,4.7L		¶97iii2756
BJI	III	13 19 43 16.0	2.80N	96.51E	32	4.6b		
NEIC	III	13 19 43 17.3	2.87N	96.31E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**14 09 21 19.4**±.77	**4.64N**±.087	**97.1E**±.12	**33**	**4.2b**	**17**	**4-161**
EIDC	III	14 09 21 16.7	4.6N	97.1E	0	4.2b,4.4L		¶97iii2843
KLM	III	14 09 21 19	4.6N	97.1E	33	3.4L		
NEIC	III	14 09 21 19.8	4.67N	97.18E	33	4.3b		
BJI	III	14 09 21 20.5	4.78N	97.11E	32	4.3b		
KLM	Mb4.3							
ISC	**III**	**17 01 55 47**±3.3	**1.3N**±.21	**99.5E**±.26	**174**±28	**4.0b**	**13**	**4-142**
NEIC	III	17 01 55 50.0	1.27N	99.58E	200	4.6b		¶97iii3302
EIDC	III	17 01 56 19.7	1.2N	100.1E	493	3.4b		
NEIC	Less reliable solution.							
EIDC	**IV**	**01 09 38 24.0**	**3.5N**	**97.1E**	**0**	**4.0b**		**1-55**
								¶97iv0047
ISC	**IV**	**07 21 32 51**±1.3	**0.55N**±.082	**98.6E**±.14	**65**±11	**4.3b**	**38**	**2-145**
BJI	IV	07 21 32 47.6	0.16N	98.71E	60	4.8b		¶97iv1232
KLM	IV	07 21 32 48	0.5N	98.5E	43	3.7L		
NEIC	IV	07 21 32 48.2	0.47N	98.52E	43	4.5b		
EIDC	IV	07 21 32 49.9	0.5N	98.5E	40	4.1b,5.0L		
KLM	Mb4.5							
NEIC	Less reliable solution.							
ISC	**IV**	**15 14 35 34**±1.2	**0.68N**±.083	**97.2E**±.16	**33**	**4.2b**	**15**	**2-144**
EIDC	IV	15 14 35 35.2	1.0N	98.2E	0	4.2b,4.2L		¶97iv2614
NEIC	IV	15 14 35 37.4	1.07N	98.09E	33	4.3b		
NEIC	Poor solution.							

ISC	**IV**	**15 17 41 29.5**±.98	**3.74N**±.038	**96.15E**±.052	**74**±9.1	**4.7b**	**131**	**2-160**
MOS	IV	15 17 41 26.0	3.8N	96.2E	43	5.0b		**¶97iv2629**
BJI	IV	15 17 41 26.0	3.67N	96.08E	53	4.8b,4.4s		
NEIC	IV	15 17 41 26.9	3.73N	96.14E	52	4.9b		
KLM	IV	15 17 41 27	3.7N	96.1E	52	4.2L		
EIDC	IV	15 17 41 28.1	3.6N	96.1E	51	4.4b		
KLM	Mb4.9							
ISC	**IV**	**19 00 37 55**±1.2	**1.04N**±.099	**97.0E**±.15	**33**	**4.0b**	**11**	**2-60**
EIDC	IV	19 00 37 56.9	1.4N	98.0E	0	3.9b,4.0L		**¶97iv3134**
NEIC	IV	19 00 37 57.7	1.30N	97.57E	33			
NEIC	Poor solution.							
ISC	**IV**	**21 11 29 39.8**±.93	**2.8N**±.12	**99.3E**±.20	**192**±13	3.1b	**7**	**0-43**
EIDC	IV	21 11 29 29.7	2.9N	100.8E	0	3.5b,3.7L		**¶97iv3450**
ISC	**IV**	**24 17 44 46**±1.2	**1.6N**±.14	**99.0E**±.20	**123**±9.3	**3.7b**	**10**	**0-54**
EIDC	IV	24 17 44 35.0	1.3N	99.2E	0	3.7b,4.2L		**¶97iv4190**
NEIC	IV	24 17 44 44.0	1.48N	98.95E	100			
NEIC	Poor solution.							
ISC	**IV**	**26 23 06 02**±2.8	**1.7N**±.19	**99.9E**±.24	**208**±23	**3.7b**	**15**	**3-88**
NEIC	IV	26 23 05 50.5	1.44N	99.51E	100	4.9b		**¶97iv4619**
EIDC	IV	26 23 05 55.8	1.3N	99.5E	135	3.7b,3.9L		
NEIC	Less reliable solution.							
ISC	**IV**	**27 17 37 19**±1.1	**4.72N**±.051	**96.20E**±.063	**39**±10	**4.7b,4.5s**	**103**	**3-161**
EIDC	IV	27 17 37 15.4	4.6N	96.2E	0	4.5b,3.9s		**¶97iv4769**
MOS	IV	27 17 37 17.6	4.4N	95.6E	33	5.0b,4.5s		
KLM	IV	27 17 37 19	4.6N	96.1E	33	4.4L		
NEIC	IV	27 17 37 19.0	4.61N	96.14E	33	5.0b,4.2s		
BJI	IV	27 17 37 19.8	4.87N	95.63E	24	4.9b,4.7s		
KLM	Mb5.0							
ISC	**IV**	**28 16 53 25.0**±.94	**4.84N**±.038	**97.77E**±.052	**43**±9.0	**4.7b,4.4s**	**110**	**2-162**
KLM	IV	28 16 53 23	4.8N	97.7E	33	4.2L		**¶97iv4958**
NEIC	IV	28 16 53 23.3	4.85N	97.72E	33	4.9b		
BJI	IV	28 16 53 24.1	4.74N	97.75E	35	4.9b,4.8s		
MOS	IV	28 16 53 24.3	4.9N	97.6E	33	5.1b		
EIDC	IV	28 16 53 25.8	4.9N	97.8E	39	4.4b,3.8s		
KLM	Mb4.9							
ISC	**IV**	**29 05 05 32**±1.2	**4.83N**±.089	**97.97E**±.098	**56**±13	**4.1b**	**23**	**2-148**
EIDC	IV	29 05 05 42.0	4.6N	97.8E	138	3.8b		**¶97iv5024**
KLM	IV	29 05 05 43	4.8N	97.9E	170	3.0L		
BJI	IV	29 05 05 43.2	4.83N	97.94E	175			
NEIC	IV	29 05 05 43.7	4.81N	97.98E	170	4.0b		
KLM	Mb4.0							
NEIC	Less reliable solution.							
ISC	**IV**	**29 08 28 37**±1.9	**4.9N**±.14	**98.0E**±.14	**53**±18	**4.1b**	**18**	**2-148**
NEIC	IV	29 08 28 42.7	4.58N	97.77E	100	4.2b		**¶97iv5046**
KLM	IV	29 08 28 43	4.5N	97.7E	100	3.3L		
EIDC	IV	29 08 28 47.0	4.6N	97.8E	123	3.7b		
NEIC	Less reliable solution.							
KLM	Mb4.2							
ISC	**IV**	**29 09 36 46**±1.2	**4.87N**±.060	**97.96E**±.091	**47**±11	**4.4b,4.1s**	**38**	**2-162**
EIDC	IV	29 09 36 40.7	4.8N	97.8E	0	4.3b,4.4L		**¶97iv5053**
BJI	IV	29 09 36 48.3	4.43N	97.45E	100	4.1b		
KLM	IV	29 09 36 51	5.0N	98.0E	100	3.8L		
NEIC	IV	29 09 36 51.5	5.09N	98.06E	100	4.6b		
MOS	IV	29 09 36 54.8	4.7N	98.0E	112	4.4b		
KLM	Mb4.6							
NEIC	Less reliable solution.							
ISC	**IV**	**29 09 48 05**±1.2	**4.7N**±.11	**97.8E**±.13	**102**±12	**4.1b**	**24**	**2-148**
KLM	IV	29 09 48 04	4.5N	97.6E	100	3.4L		**¶97iv5054**
NEIC	IV	29 09 48 04.3	4.60N	97.65E	100	4.3b		
EIDC	IV	29 09 48 15.5	4.8N	97.9E	190	3.6b		
KLM	Mb4.3							
NEIC	Less reliable solution.							
ISC	**V**	**05 13 43 42**±3.3	**4.4N**±.21	**95.6E**±.44	**100**	3.5b	**6**	**3-47**
EIDC	V	05 13 43 14.3	3.8N	92.2E	0	3.8b,4.1L		**¶97v0792**
ISC	**V**	**07 01 18 08**±4.4	**1.7N**±.18	**97.9E**±.24	**80**±36	**4.1b**	**22**	**4-146**
EIDC	V	07 01 17 59.3	1.6N	97.7E	0	4.1b,4.5L		**¶97v1038**
MOS	V	07 01 18 02.2	1.6N	98.2E	33	4.7b		
BJI	V	07 01 18 02.5	1.60N	97.80E	33	4.8b		
NEIC	V	07 01 18 02.5	1.60N	97.83E	33	4.4b		
KLM	V	07 01 18 03	1.6N	97.8E	33	3.5L		
NEIC	Less reliable solution.							
ISC	**V**	**12 23 17 53.3**±.46	**1.97N**±.072	**97.50E**±.079	**33**	**4.4b**	**34**	**1-146**
EIDC	V	12 23 17 49.8	1.9N	97.4E	0	4.3b,4.3L		**¶97v2069**
MOS	V	12 23 17 53.9	2.3N	98.1E	33	5.0b		
BJI	V	12 23 17 53.9	2.10N	97.70E	33	4.5b		
NEIC	V	12 23 17 53.9	2.07N	97.67E	33	4.5b		
KLM	V	12 23 17 54	2.1N	97.7E	33	3.7L		
NEIC	Less reliable solution.							
ISC	**V**	**17 14 57 12**±1.2	**4.1N**±.17	**96.8E**±.27	**33**	**3.7b**	**8**	**4-82**
EIDC	V	17 14 57 08.5	4.0N	96.6E	0	3.7b,4.2L		**¶97v2946**
ISC	**V**	**19 07 37 04.9**±.84	**1.7N**±.24	**99.5E**±.25	**188**±6.9	**3.8b**	**12**	**1-88**
EIDC	V	19 07 36 44.4	1.9N	99.4E	0	4.1b		**¶97v3215**
NEIC	V	19 07 36 47.9	1.68N	99.32E	33			
NEIC	Single network solution.							
ISC	**V**	**20 14 55 37.7**±.89	**2.2N**±.14	**100.53E**±.091	**33**	**3.9b**	**8**	**2-41**
EIDC	V	20 14 55 34.6	2.2N	100.6E	0	3.8b,4.2L		**¶97v3422**
ISC	**V**	**21 03 49 18**±1.5	**0.6N**±.10	**98.7E**±.12	**82**±12	**4.1b**	**35**	**1-144**
NEIC	V	21 03 49 15.6	0.60N	98.65E	63	4.0b		**¶97v3506**
KLM	V	21 03 49 16	0.6N	98.6E	63	3.0L		
EIDC	V	21 03 49 16.9	0.5N	98.6E	64	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**27 18 23 43**±1.2	**3.5N**±.11	**96.4E**±.14	**100**	**3.7b**	**12**	**2-80**
EIDC	V	27 18 23 53.2	3.9N	96.9E	162	3.3b,3.5L		**¶97v4601**
ISC	**V**	**29 06 57 24**±1.6	**3.3N**±.10	**97.9E**±.17	**66**±15	**3.9b**	**19**	**0-147**
KLM	V	29 06 57 22	3.1N	97.8E	33			**¶97v4834**
NEIC	V	29 06 57 22.2	3.08N	97.89E	33			
EIDC	V	29 06 57 35.9	3.6N	98.2E	152	3.7b,4.6L		
NEIC	Less reliable solution.							
ISC	**VI**	**01 16 04 24**±1.4	**1.2N**±.13	**98.9E**±.14	**109**±9.0	**4.0b**	**18**	**1-88**
NEIC	VI	01 16 04 15.6	1.06N	98.74E	33			**¶97vi0110**
EIDC	VI	01 16 04 15.9	1.0N	98.8E	18	4.0b,4.7L		
NEIC	Single network solution.							
ISC	**VI**	**05 08 15 40.6**±.74	**3.64N**±.082	**98.2E**±.12	**174**±6.8	**3.9b**	**19**	**1-97**
NEIC	VI	05 08 15 41.4	3.65N	98.24E	181	4.3b		**¶97vi0732**
EIDC	VI	05 08 15 47.3	3.7N	98.3E	221	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**07 20 20 17**±2.1	**4.3N**±.11	**96.3E**±.19	**118**±18	**3.6b**	**12**	**2-79**
NEIC	VI	07 20 20 15.2	4.27N	96.16E	103			**¶97vi1139**
EIDC	VI	07 20 20 18.2	4.3N	96.2E	111	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**11 19 12 31.6**±.66	**2.92N**±.028	**97.37E**±.030	**84**±6.0	**5.1b**	**419**	**1-163**
MOS	VI	11 19 12 27.3	3.0N	97.4E	45	5.8b,4.8s		**¶97vi1737**
BJI	VI	11 19 12 27.7	2.87N	97.27E	60	5.3b,5.2s		
NEIC	VI	11 19 12 28.6	2.88N	97.33E	57	5.2b,5.0s		
KLM	VI	11 19 12 29	2.8N	97.3E	57	4.6L		
EIDC	VI	11 19 12 30.4	2.9N	97.3E	61	5.0b,4.3s		
HRVD	VI	11 19 12 31.4±.2	3.04N±.02	97.12E±.02	61±2.4			
NEIC	Mw5.6(HRV).							
KLM	Mb5.2							

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s56,c95; Half duration: 1s4. Moment tensor: Scale 10^{17}Nm; M_{rr}−0.79±.04; $M_{\theta\theta}$0.68±.05; $M_{\phi\phi}$0.11±.06; $M_{r\theta}$1.12±.05; $M_{r\phi}$−1.77±.05; $M_{\theta\phi}$−0.83±.05. Principal Axes: T 2.50,Plg32°,Azm45°; N −0.27, Plg14°,Azm144°; P −2.23,Plg54°,Azm255°. Best double couple: $M_0$2.4×10^{17}Nm, NP1: ϕ_S95°,δ19°,λ−140°. NP2:ϕ_S327°,δ78°,λ−76°.

ISC	**VI**	**14 00 59 07**±1.2	**0.79N**±.045	**99.10E**±.065	**109**±11	**4.8b**	**126**	**3-160**
MOS	VI	14 00 59 02.6	0.7N	99.0E	67	5.4b		**¶97vi2063**
NEIC	VI	14 00 59 02.6	0.74N	99.04E	68	4.9b		
KLM	VI	14 00 59 03	0.7N	99.0E	68	4.2L		
BJI	VI	14 00 59 03.2	0.58N	99.07E	84	5.2b		
EIDC	VI	14 00 59 04.7	0.7N	99.1E	75	4.5b		
KLM	Mb4.9							
ISC	**VI**	**16 09 21 14**±1.9	**0.6N**±.14	**98.7E**±.17	**81**±14	**4.1b**	**16**	**1-143**
EIDC	VI	16 09 21 06.0	0.5N	98.6E	0	4.2b,4.8L		**¶97vi2434**
NEIC	VI	16 09 21 08.7	0.52N	98.69E	33			
KLM	VI	16 09 21 09	0.5N	98.6E	33			
NEIC	Single network solution.							
ISC	**VI**	**17 07 47 24**±1.2	**1.8N**±.15	**97.6E**±.21	**14**	**3.9b**	**7**	**6-75**
EIDC	VI	17 07 47 25.9	1.8N	97.7E	14	3.8b,4.6L		**¶97vi2572**
NEIC	VI	17 07 47 26.9	1.85N	97.72E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**VI**	**18 14 30 47**±1.7	**1.5N**±.26	**98.9E**±.42	**200**	**3.4b**	**8**	**0-80**
EIDC	VI	18 14 30 32.2	1.2N	99.3E	0	3.8b		**¶97vi2796**
ISC	**VI**	**19 02 28 24**±4.5	**1.8N**±.27	**99.2E**±.15	**10**±18		**5**	**0-3**
ISC	Poorly determined							**¶97vi2859**
ISC	MD4.0(DJA)							

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(709) Afghanistan.

ISC	**I**	**24 23 40 04**±4.9	**33.1N**±.16	**68.2E**±.13	**26**±36	**3.5b**	**15**	**3-84**
NEIC	I	24 23 40 04.4	33.04N	67.85E	33			**¶97i3706**
EIDC	I	24 23 40 10.3	33.0N	68.1E	68	3.3b,3.5L		
NEIC	Poor solution.							
ISC	**III**	**23 19 15 44**±5.9	**31.5N**±.85	**67.1E**±.30	**300**	**3.2b**	**4**	**6-86**
EIDC	III	23 19 15 38.8	30.5N	67.0E	292	3.0b		**¶97iii4476**
ISC	Poorly determined							
ISC	**V**	**17 19 00 02**±1.0	**34.75N**±.077	**67.64E**±.078	**36**±12	**3.6b,3.2s**	**32**	**4-86**
EIDC	V	17 18 59 58.7	34.5N	67.5E	0	3.7b,4.2L		**¶97v2971**
BJI	V	17 19 00 00.0	34.40N	67.94E	16	4.5b,4.5s		
NEIC	V	17 19 00 01.4	34.68N	67.62E	33			
MOS	V	17 19 00 03.9	35.0N	67.9E	33	4.2b		
NEIC	Less reliable solution.							
ISC	**V**	**28 05 20 56**±2.1	**34.75N**±.052	**67.76E**±.048	**30**±16	**4.6b,4.1s**	**79**	**4-147**
EIDC	V	28 05 20 52.0	34.6N	67.8E	0	4.4b,4.1s		**¶97v4662**
NEIC	V	28 05 20 55.6	34.77N	67.78E	33	4.9b		
MOS	V	28 05 20 56.3	34.8N	67.9E	33	5.0b,4.3s		
BJI	V	28 05 20 56.4	35.04N	67.78E	27	4.7b,4.5s		
NEIC	Less reliable solution.							
ISC	**VI**	**25 01 22 23.0**±.73	**34.57N**±.045	**69.47E**±.041	**52**±8.1	**4.6b,4.5s**	**138**	**2-148**
BJI	VI	25 01 22 17.0	34.49N	69.52E	5	4.7b,4.7s		**¶97vi3821**
NEIC	VI	25 01 22 20.5	34.54N	69.35E	33	4.9b,4.5s		
MOS	VI	25 01 22 21.0	34.5N	69.4E	33	5.1b,4.5s		
EIDC	VI	25 01 22 25.1	34.5N	69.5E	52	4.3b,4.2s		
NEIC	Less reliable solution.							

(710) Pakistan.

ISC	**I**	**01 03 30 43**±1.3	**30.16N**±.061	**68.04E**±.047	**22**±10	**4.2b**,4.1s	**58**	**1-120**
MOS	I	01 03 30 43.4	29.9N	68.1E	33	4.4b		**¶97i0020**
NEIC	I	01 03 30 45.3	30.26N	68.12E	40	4.5b		
BJI	I	01 03 30 47.1	30.70N	67.90E	22	4.2b		
EIDC	I	01 03 30 47.8	30.3N	68.1E	41	3.9b,4.1L		
NEIC	Less reliable solution.							
NEIC	Felt at Harnai.							
ISC	**I**	**10 09 08 32**±1.5	**28.81N**±.070	**67.63E**±.078	**43**±15	**4.0b**,4.1s	**51**	**4-89**
EIDC	I	10 09 08 26.7	28.7N	67.2E	0	4.0b,4.4L		**¶97i1337**
NEIC	I	10 09 08 30.5	28.87N	67.32E	33	4.4b,4.1s		
MOS	I	10 09 08 31.8	28.9N	67.6E	33	4.5b		
BJI	I	10 09 08 36.2	29.39N	68.07E	5	4.8b,4.3s		
NEIC	Less reliable solution.							
ISC	**I**	**12 02 01 01**±1.7	**35.9N**±.16	**71.3E**±.12	**111**±23	**3.7b**	**23**	**2-84**
NEIC	I	12 02 01 00.1	35.99N	71.01E	100	3.7b		**¶97i1610**
EIDC	I	12 02 01 02.9	35.7N	70.8E	119	3.5b		
NEIC	Poor solution.							
ISC	**I**	**14 04 16 11.8**±.74	**29.67N**±.067	**70.20E**±.073	**10**	**3.8b**	**30**	**3-88**
NEIC	I	14 04 16 11.8	29.69N	70.12E	10	4.1b		**¶97i1953**
EIDC	I	14 04 16 12.4	29.6N	70.2E	0	3.8b,3.0s		
BJI	I	14 04 16 13.5	29.70N	70.84E	5	4.5b		
NEIC	Less reliable solution.							
ISC	**I**	**22 07 33 18.8**±.61	**29.0N**±.11	**67.93E**±.065	**33**	**3.7b**	**30**	**6-89**
NEIC	I	22 07 33 18.9	28.81N	67.49E	33			**¶97i3292**
EIDC	I	22 07 33 22.9	28.8N	67.5E	54	3.6b,4.2L		
NEIC	Less reliable solution.							
ISC	**I**	**31 02 56 49**±1.1	**29.4N**±.13	**67.9E**±.14	**5**	**3.9b**	**12**	**6-88**
EIDC	I	31 02 56 49.0	29.3N	68.0E	0	3.9b,3.7L		**¶97i4580**
NEIC	I	31 02 56 53.3	29.52N	68.09E	33	3.8b		
BJI	I	31 02 56 57.4	29.93N	68.77E	5	4.7b		
NEIC	Less reliable solution.							
ISC	**II**	**07 03 32 56**±5.5	**35.4N**±.73	**71.3E**±.37	**33**	**3.7b**	**7**	**21-82**
EIDC	II	07 03 32 47.7	34.5N	71.1E	0	3.8b		**¶97iii0937**
ISC	**II**	**18 21 43 37**±1.7	**30.6N**±.11	**70.37E**±.097	**44**±15	**4.1b**	**30**	**1-87**
EIDC	II	18 21 43 33.6	30.7N	70.2E	0	4.0b,4.3L		**¶97iii2696**
NEIC	II	18 21 43 35.9	30.66N	70.25E	33	4.3b		
BJI	II	18 21 43 37.0	30.47N	70.79E	24			
ISC	**II**	**27 21 08 02.7**±.72	**29.96N**±.032	**68.20E**±.018	**34**±6.5	**6.1b,6.9s**	**678**	**2-158**
RYD	II	27 21 07 54.8	29.38N	68.24E	33	6.5D		**¶97iii4008**
MOS	II	27 21 08 01.7	29.8N	68.2E	33	6.7b,6.8s		
BJI	II	27 21 08 02.1	29.93N	68.16E	34	6.2b,7.3s		
NEIC	II	27 21 08 02.3	29.98N	68.21E	33	6.3b,7.3s		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	II	27 21 08 04.7	29.9N	68.1E	46	5.5b,7.1s		
HRVD	II	27 21 08 13.6±.1	29.74N±.01	68.13E±.01	15±.3			
MOS		Seismic moment Mo=2.0×10^{19}Nm, (after OBN)						
NEIC		Mw7.1(HRV), Me6.7(GS). Casualties, landslide/avalanche observed.						
NEIC		Radiated energy from the P−wave first−motion solution: 2.8±0.4×10^{14}Nm/19						
NEIC		Broadband fault plane solution: P waves. NP1:ϕ_S345°,δ30°,λ150°. NP2:ϕ_S102°,δ76°,λ63°. Principal axes: T Plg52°,Azm341°; P Plg26°,Azm212°. Complex earthquake, with two events occurring about 5 seconds apart. Depth from synthetics of broadband displacement seismograms, based on first event.						
NEIC		Moment tensor solution: s33, scale 10^{19}Nm; M_{rr}0.52; $M_{\theta\theta}$−0.39; $M_{\phi\phi}$−0.14; $M_{r\theta}$3.87; $M_{r\phi}$−0.55; $M_{\theta\phi}$0.42. Depth 7km; Principal axes: T 3.97,Plg48°,Azm3°; N −0.02,Plg5°, Azm99°; P −3.95,Plg41°,Azm194°. Best double couple: Mo4.0×10^{19}Nm; NP1:ϕ_S334°,δ7°, λ145°. NP2:ϕ_S98°,δ86°,λ85°.						
NEIC		Mw 7.0 (GS), 6.8 (OBN). At least 57 people killed, hundreds injured, thousands homeless, more than 500 houses damaged or destroyed and hundreds of livestock killed in the Harnai-Sibi area. Roads and railroads in the area blocked by landslides. Three people killed and several injured in the Quetta area. Felt throughout much of central Baluchistan. Mo=3.2×10^{19}Nm (PPT). Mo=2.0×10^{19}Nm (OBN).						
HRVD		Centroid moment tensor solution. Data used: GSN; LP body waves: s55,c138; Mantle waves: s56,c130; Half duration: 7s9. Moment tensor: Scale 10^{19}Nm; M_{rr}2.24±.01; $M_{\theta\theta}$−2.41±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$4.58±.13; $M_{r\phi}$0.54±.05; $M_{\theta\phi}$0.53±.01. Principal Axes: T 5.16,Plg57°,Azm344°; N 0.07,Plg8°,Azm87°; P −5.23,Plg31°,Azm182°. Best double couple: $M_0$5.2×10^{19}Nm, NP1:ϕ_S298°,δ15°,λ122°. NP2:ϕ_S85°,δ77°,λ82°.						
ISC	**II**	**27 21 17 25.7**±.39	**29.76N**±.078	**68.35E**±.056	**33**	**5.1b**	**87**	**5-88**
EIDC	II	27 21 17 22.3	29.7N	68.3E	0	5.0b		¶97ii4009
MOS	II	27 21 17 25.5	29.6N	68.2E	33	5.3b		
BJI	II	27 21 17 25.5	29.69N	68.33E	33			
NEIC	II	27 21 17 25.6	29.77N	68.32E	33	5.1b		
ISC	**II**	**27 21 19 49.2**±.72	**29.7N**±.15	**68.4E**±.13	**33**	**4.5b**	**27**	**42-88**
EIDC	II	27 21 19 45.9	29.8N	68.5E	0	4.5b		¶97ii4010
NEIC	II	27 21 19 49.2	29.75N	68.38E	33	4.6b		
NEIC		Less reliable solution.						
ISC	**II**	**27 21 21 36.3**±.79	**29.8N**±.16	**68.5E**±.15	**33**	**4.4b**	**12**	**41-88**
EIDC	II	27 21 21 31.8	29.5N	68.4E	0	4.4b		¶97ii4011
NEIC	II	27 21 21 36.2	29.80N	68.47E	33			
NEIC		Less reliable solution.						
ISC	**II**	**27 21 22 10**±4.2	**30.5N**±.63	**68.2E**±.20	**33**	**4.0b**	**9**	**5-87**
EIDC	II	27 21 22 07.6	30.6N	68.2E	0	4.1b		¶97ii4012
ISC	**II**	**27 21 27 34.9**±.64	**29.9N**±.13	**68.14E**±.094	**33**	**4.3b**	**33**	**30-88**
EIDC	II	27 21 27 30.1	29.7N	68.2E	0	4.4b		¶97ii4014
NEIC	II	27 21 27 34.7	29.93N	68.13E	33	4.4b		
NEIC		Less reliable solution.						
ISC	**II**	**27 21 30 38.0**±.87	**30.04N**±.038	**67.97E**±.022	**43**±7.8	**5.8b,6.4s**	**498**	**3-145**
MOS	II	27 21 30 36.1	30.0N	68.0E	28	6.4b		¶97ii4016
NEIC	II	27 21 30 36.5	29.99N	67.98E	33	6.0b		
BJI	II	27 21 30 36.8	30.07N	68.10E	28	5.9b,6.2s		
EIDC	II	27 21 30 38.6	29.9N	68.0E	35	5.5b		
NEIC		Felt in the epicentral area.						
EIDC	**II**	**27 21 38 44.7**	**28.7N**	**66.7E**	**0**	**4.1b**		**47-89**
								¶97ii4019
ISC	**II**	**27 21 42 19**±1.4	**29.6N**±.27	**68.2E**±.18	**33**	**4.0b**	**9**	**40-82**
EIDC	II	27 21 42 15.9	29.6N	68.2E	0	4.0b		¶97ii4020
NEIC	II	27 21 42 19.1	29.62N	68.20E	33			
NEIC		Less reliable solution.						
ISC	**II**	**27 21 44 02**±2.1	**29.9N**±.12	**67.93E**±.069	**35**±17	**4.4b**	**62**	**4-88**
BJI	II	27 21 44 02.1	29.81N	67.82E	37	5.0b		¶97ii4021
NEIC	II	27 21 44 02.1	29.91N	67.94E	33	4.8b		
EIDC	II	27 21 44 02.2	29.9N	67.9E	20	4.2b,4.4L		
MOS	II	27 21 44 03.0	30.0N	67.8E	33	5.0b		
ISC	**II**	**27 21 44 25.0**±.61	**29.8N**±.13	**68.2E**±.12	**33**	**4.4b**	**19**	**30-93**
EIDC	II	27 21 44 21.4	29.7N	68.2E	0	4.4b		¶97ii4022
NEIC	II	27 21 44 25.0	29.80N	68.18E	33	4.9b		
NEIC		Less reliable solution.						
ISC	**II**	**27 21 47 27.9**±.64	**29.9N**±.11	**67.91E**±.063	**32**	**4.3b**	**34**	**3-88**
NEIC	II	27 21 47 27.5	29.82N	67.89E	33	4.6b		¶97ii4023
BJI	II	27 21 47 27.6	29.99N	67.73E	32	4.7b,4.6s		
MOS	II	27 21 47 28.6	30.0N	67.8E	33	4.9b		
EIDC	II	27 21 47 32.2	29.9N	68.0E	56	4.1b,4.5L		
ISC	**II**	**27 21 51 55.9**±.53	**30.19N**±.088	**68.07E**±.070	**33**	**4.2b**	**34**	**4-88**
BJI	II	27 21 51 54.5	30.43N	68.03E	18	4.4b		¶97ii4026
NEIC	II	27 21 51 55.7	30.11N	67.92E	33	4.4b		
MOS	II	27 21 51 56.0	30.0N	67.9E	33	4.8b		
EIDC	II	27 21 52 01.8	30.3N	68.1E	65	4.0b,4.3L		
NEIC		Less reliable solution.						
ISC	**II**	**27 21 56 42**±4.3	**30.2N**±.75	**68.0E**±.43	**33**	**3.9b**	**5**	**46-88**
EIDC	II	27 21 56 37.2	30.0N	68.3E	0	3.9b		¶97ii4029
NEIC	II	27 21 56 41.9	30.14N	67.99E	33			
NEIC		Poor solution.						
ISC	**II**	**27 22 00 37**±4.8	**30.0N**±.13	**68.06E**±.091	**18**±33	**4.1b**	**34**	**3-88**
EIDC	II	27 22 00 36.0	29.9N	67.9E	0	4.1b,4.4L		¶97ii4032
BJI	II	27 22 00 38.8	30.09N	68.18E	30	4.6b,5.0s		
NEIC	II	27 22 00 39.2	30.06N	68.06E	33	4.3b		
MOS	II	27 22 00 39.5	30.0N	68.1E	33	4.7b		
NEIC		Less reliable solution.						
ISC	**II**	**27 22 02 41**±1.7	**30.1N**±.33	**68.2E**±.27	**33**	**3.7b**	**6**	**30-88**
EIDC	II	27 22 02 37.6	29.9N	68.0E	0	3.7b		¶97ii4034
NEIC	II	27 22 02 41.1	30.14N	68.18E	33			
NEIC		Poor solution.						
ISC	**II**	**27 22 09 47**±1.6	**29.8N**±.30	**68.5E**±.36	**33**	**3.7b**	**6**	**41-88**
EIDC	II	27 22 09 43.5	29.6N	68.4E	0	3.8b		¶97ii4036
NEIC	II	27 22 09 47.2	29.80N	68.52E	33	3.7b		
NEIC		Poor solution.						
ISC	**II**	**27 22 12 28**±3.7	**30.1N**±.18	**68.2E**±.15	**51**±30	**4.0b**	**19**	**6-88**
BJI	II	27 22 12 21.9	29.36N	68.30E	40	4.7b		¶97ii4037
NEIC	II	27 22 12 24.8	29.94N	68.12E	33	3.9b		
EIDC	II	27 22 12 28.0	29.9N	68.2E	46	3.8b,3.9L		
NEIC		Less reliable solution.						
ISC	**II**	**27 22 17 39**±4.5	**29.9N**±.14	**68.00E**±.083	**16**±30	**4.3b**	**35**	**3-88**
EIDC	II	27 22 17 38.2	29.9N	68.0E	0	4.3b,4.7L		¶97ii4038
BJI	II	27 22 17 41.1	30.15N	67.88E	35	4.7b,5.2s		
NEIC	II	27 22 17 41.5	29.96N	68.06E	33	4.3b		
MOS	II	27 22 17 44.8	30.5N	68.0E	33	4.5b		
NEIC		Less reliable solution.						
ISC	**II**	**27 22 20 22**±2.6	**30.1N**±.15	**67.93E**±.079	**37**±22	**4.2b**	**36**	**4-88**
EIDC	II	27 22 20 15.7	29.7N	68.5E	0	4.1b		¶97ii4039
NEIC	II	27 22 20 19.6	29.98N	68.24E	33	4.3b		
BJI	II	27 22 20 21.4	29.98N	67.69E	46	4.4b		
MOS	II	27 22 20 22.4	30.4N	68.2E	33	4.5b		
NEIC		Poor solution.						
ISC	**II**	**27 22 21 11**±3.1	**30.7N**±.21	**67.7E**±.10	**66**±24	**4.3b**	**30**	**6-87**
BJI	II	27 22 21 06.2	30.63N	67.53E	31	4.9b		¶97ii4040
NEIC	II	27 22 21 07.1	30.50N	67.63E	33	4.7b		
MOS	II	27 22 21 08.3	30.6N	67.6E	33	4.9b		
EIDC	II	27 22 21 08.9	30.2N	67.7E	53	4.1b,4.7L		
NEIC		Poor solution.						
ISC	**II**	**27 22 31 02**±2.4	**30.1N**±.14	**68.1E**±.12	**55**±21	**3.9b**	**18**	**4-88**
NEIC	II	27 22 31 00.0	30.05N	68.04E	33	4.1b		¶97ii4044
EIDC	II	27 22 31 04.8	30.0N	68.1E	62	3.7b,4.2L		
NEIC		Less reliable solution.						
ISC	**II**	**27 22 36 52.2**±.82	**29.7N**±.13	**68.1E**±.13	**33**	**3.7b**	**13**	**6-88**
EIDC	II	27 22 36 48.2	29.4N	68.0E	0	3.7b,4.0L		¶97ii4045
NEIC	II	27 22 36 51.6	29.64N	68.08E	33	3.6b		
BJI	II	27 22 36 52.1	30.03N	68.14E	21	4.2b		
NEIC		Less reliable solution.						
ISC	**II**	**27 22 39 51**±1.8	**29.61N**±.083	**68.56E**±.052	**37**±16	**4.5b**	**69**	**6-145**
EIDC	II	27 22 39 46.6	29.5N	68.5E	0	4.3b,4.4L		¶97ii4047
NEIC	II	27 22 39 49.7	29.56N	68.55E	33	4.7b		
MOS	II	27 22 39 49.8	29.6N	68.7E	33	4.8b		
BJI	II	27 22 39 50.4	29.59N	68.63E	30	5.0b,5.1s		
ISC	**II**	**27 22 41 54**±4.5	**29.53N**±.066	**68.27E**±.044	**2**±27	**4.7b**,5.2s	**98**	**4-88**
MOS	II	27 22 41 58.2	29.4N	68.3E	33	4.8b		¶97ii4048
BJI	II	27 22 41 58.2	29.73N	68.31E	25	4.9b,5.3s		
NEIC	II	27 22 41 58.7	29.53N	68.29E	33	4.7b		
EIDC	II	27 22 42 01.3	29.6N	68.4E	38	4.4b,4.8L		
ISC	**II**	**27 22 49 12**±5.3	**29.6N**±.14	**68.2E**±.10	**24**±36	**4.1b**	**26**	**4-88**
BJI	II	27 22 49 12.6	29.69N	68.14E	32	4.5b		¶97ii4049
NEIC	II	27 22 49 13.3	29.65N	68.25E	33	4.2b		
EIDC	II	27 22 49 15.1	29.7N	68.3E	30	3.8b,4.3L		
ISC	**II**	**27 22 50 24**±1.7	**30.5N**±.29	**68.1E**±.20	**33**	**3.9b**	**12**	**30-87**
EIDC	II	27 22 50 16.0	29.7N	67.8E	0	4.1b		¶97ii4050
NEIC	II	27 22 50 23.2	30.40N	68.02E	33	4.0b		
NEIC		Poor solution.						
ISC	**II**	**27 22 56 04**±3.4	**30.1N**±.20	**68.2E**±.15	**69**±29	**3.6b**	**11**	**6-88**
NEIC	II	27 22 55 59.3	29.99N	68.14E	33	3.8b		¶97ii4051
EIDC	II	27 22 56 04.9	30.1N	68.3E	66	3.4b		
NEIC		Poor solution.						
ISC	**II**	**27 22 56 46.1**±.80	**30.0N**±.19	**67.9E**±.17	**33**	**3.6b**	**11**	**6-88**
EIDC	II	27 22 56 42.5	30.0N	68.0E	0	3.6b,3.7L		¶97ii4052
NEIC	II	27 22 56 46.1	30.16N	68.06E	33	3.7b		
NEIC		Less reliable solution.						
ISC	**II**	**27 23 02 59**±5.9	**29.7N**±.34	**67.8E**±.23	**69**±45	**3.8b**	**10**	**6-88**
EIDC	II	27 23 02 51.9	29.5N	67.6E	0	3.9b,3.8L		¶97ii4056
NEIC	II	27 23 02 54.3	29.55N	67.64E	33	3.3b		
NEIC		Poor solution.						
ISC	**II**	**27 23 24 45**±3.5	**30.0N**±.36	**67.3E**±.56	**33**	**3.5b**	**5**	**27-88**
EIDC	II	27 23 24 39.2	29.5N	67.0E	0	3.7b		¶97ii4058
ISC	**II**	**27 23 35 14**±4.5	**29.9N**±.38	**68.2E**±.50	**51**±50	**3.5b**	**6**	**6-88**
EIDC	II	27 23 35 10.7	30.1N	67.9E	0	3.7b		¶97ii4060
NEIC	II	27 23 35 12.4	30.01N	68.05E	33	3.5b		
BJI	II	27 23 35 15.1	30.29N	68.07E	12			
NEIC		Poor solution.						
ISC	**II**	**27 23 36 35.7**±.75	**29.0N**±.13	**67.7E**±.14	**33**	**3.9b**	**13**	**15-89**
NEIC	II	27 23 36 35.5	29.02N	67.67E	33			¶97ii4061
EIDC	II	27 23 36 36.3	29.4N	67.7E	0	3.9b		
NEIC		Poor solution.						
ISC	**II**	**27 23 39 09.7**±.57	**30.00N**±.093	**67.90E**±.062	**33**	**4.0b**	**37**	**4-88**
NEIC	II	27 23 39 09.4	30.05N	67.98E	33	4.3b		¶97ii4062
BJI	II	27 23 39 10.2	30.07N	67.71E	44	4.7s		
MOS	II	27 23 39 10.5	30.3N	67.9E	33	4.5b		
EIDC	II	27 23 39 14.1	30.0N	68.1E	57	3.7b,4.0L		
ISC	**II**	**27 23 46 10**±3.4	**30.1N**±.18	**68.1E**±.16	**44**±29	**3.7b**	**12**	**6-88**
NEIC	II	27 23 46 08.5	30.07N	68.04E	33	3.7b		¶97ii4065
EIDC	II	27 23 46 10.7	30.0N	68.0E	37	3.6b,4.4L		
NEIC		Less reliable solution.						
ISC	**II**	**27 23 54 19**±3.2	**29.5N**±.17	**67.9E**±.14	**76**±28	**3.8b**	**16**	**6-88**
EIDC	II	27 23 54 11.1	29.2N	67.8E	0	4.0b,4.2L		¶97ii4066
NEIC	II	27 23 54 14.8	29.34N	67.81E	33	3.8b		
NEIC		Less reliable solution.						
ISC	**II**	**28 00 09 22**±1.1	**29.8N**±.17	**68.6E**±.17	**33**	**3.9b**	**9**	**6-88**
EIDC	II	28 00 09 18.8	29.6N	68.5E	0	4.0b,3.9L		¶97ii4069
NEIC	II	28 00 09 21.9	29.80N	68.59E	33			
NEIC		Poor solution.						
ISC	**II**	**28 00 12 20**±3.3	**29.6N**±.18	**68.5E**±.14	**58**±27	**3.8b**	**15**	**6-88**
EIDC	II	28 00 12 13.2	29.4N	68.4E	0	3.8b,4.1L		¶97ii4071
NEIC	II	28 00 12 16.8	29.63N	68.40E	33	3.8b		
NEIC		Less reliable solution.						
ISC	**II**	**28 00 28 04**±3.1	**30.0N**±.15	**68.1E**±.11	**41**±26	**3.8b**	**20**	**6-88**
EIDC	II	28 00 27 59.9	29.8N	68.1E	0	3.9b,4.3L		¶97ii4077
BJI	II	28 00 28 01.7	30.03N	68.17E	12	4.3b		
NEIC	II	28 00 28 03.3	29.98N	68.11E	33	3.8b		
NEIC		Less reliable solution.						
ISC	**II**	**28 00 33 25.1**±.82	**29.7N**±.13	**68.1E**±.11	**33**	**3.6b**	**12**	**4-88**
EIDC	II	28 00 33 21.9	29.7N	68.1E	0	3.7b,3.6L		¶97ii4079
NEIC	II	28 00 33 25.0	29.74N	68.14E	33			
NEIC		Less reliable solution.						
ISC	**II**	**28 00 33 50**±4.9	**29.8N**±.12	**68.1E**±.10	**29**±34	**4.0b**	**27**	**6-88**
EIDC	II	28 00 33 46.7	29.7N	68.0E	0	4.0b,4.2L		¶97ii4080
NEIC	II	28 00 33 50.3	29.90N	68.14E	33	4.0b		
BJI	II	28 00 33 57.0	30.10N	68.74E	45	4.3b,4.7s		
ISC	**II**	**28 00 36 11**±3.8	**29.54N**±.086	**68.57E**±.087	**17**±27	**4.2b**	**31**	**4-145**
EIDC	II	28 00 36 09.6	29.6N	68.7E	0	4.2b,4.1L		¶97ii4081
NEIC	II	28 00 36 12.7	29.60N	68.62E	33	4.3b		
BJI	II	28 00 36 14.1	30.00N	69.15E	5	4.5b,4.2s		
ISC	**II**	**28 00 45 10**±3.4	**29.9N**±.19	**67.8E**±.17	**36**±29	**3.6b**	**12**	**4-88**
EIDC	II	28 00 45 06.7	29.9N	67.8E	0	3.6b,4.1L		¶97ii4083
NEIC	II	28 00 45 09.3	29.87N	67.82E	33	4.0b		
NEIC		Less reliable solution.						
ISC	**II**	**28 00 58 28**±2.1	**29.6N**±.12	**68.4E**±.11	**31**±18	**4.1b**	**27**	**3-88**
EIDC	II	28 00 58 24.6	29.7N	68.4E	0	4.2b,4.5L		¶97ii4087
BJI	II	28 00 58 28.5	29.81N	68.50E	25	4.5b,4.5s		
NEIC	II	28 00 58 28.6	29.82N	68.38E	33	4.5b		
NEIC		Less reliable solution.						
ISC	**II**	**28 01 02 24.6**±.95	**29.4N**±.27	**68.6E**±.23	**33**	**3.7b**	**6**	**25-88**
EIDC	II	28 01 02 21.0	29.5N	68.7E	0	3.8b		¶97ii4089
NEIC	II	28 01 02 24.6	29.42N	68.57E	33			
NEIC		Poor solution.						
ISC	**II**	**28 01 04 12**±1.5	**29.73N**±.076	**68.62E**±.056	**41**±13	**4.3b,4.4s**	**68**	**3-88**
EIDC	II	28 01 04 06.4	29.4N	68.6E	0	4.3b,4.5L		¶97ii4090
NEIC	II	28 01 04 10.6	29.67N	68.57E	33	4.5b		
BJI	II	28 01 04 11.1	29.81N	68.61E	28	4.8b,4.5s		

MOS	II	28 01 04 11.4	29.8N	68.6E	33	4.7b		
ISC	**II**	**28 01 13 11**±7.2	**29.6N**±.18	**68.2E**±.15	**20**±50	**3.6b**	**14**	**6-88**
EIDC	II	28 01 13 09.7	29.5N	68.2E	0	3.7b,4.0L		¶97ii4091
NEIC	II	28 01 13 12.9	29.62N	68.26E	33	3.6b		
BJI	II	28 01 13 15.8	29.60N	68.30E	33			
NEIC	Less reliable solution.							
ISC	**II**	**28 01 14 41**±1.3	**29.7N**±.29	**68.4E**±.21	**33**	**3.7b**	**9**	**25-88**
EIDC	II	28 01 14 37.8	29.6N	68.3E	0	3.8b		¶97ii4092
NEIC	II	28 01 14 41.4	29.70N	68.37E	33	3.8b		
NEIC	Poor solution.							
ISC	**II**	**28 01 26 24**±3.3	**30.0N**±.15	**68.2E**±.20	**53**±30	**3.7b**	**10**	**6-88**
BJI	II	28 01 26 21.1	30.14N	68.37E	6	4.5b,4.4s		¶97ii4093
NEIC	II	28 01 26 22.0	29.93N	68.20E	33	3.8b		
EIDC	II	28 01 26 27.7	30.1N	68.4E	67	3.5b,4.3L		
NEIC	Less reliable solution.							
ISC	**II**	**28 01 46 23**±3.5	**29.61N**±.066	**68.22E**±.039	**8**±21	**4.7b,4.3s**	**116**	**3-121**
EIDC	II	28 01 46 22.8	29.6N	68.2E	0	4.6b,4.4L		¶97ii4095
BJI	II	28 01 46 25.7	29.84N	68.28E	22	4.9b,4.5s		
NEIC	II	28 01 46 26.2	29.63N	68.20E	33	4.7b		
MOS	II	28 01 46 27.0	29.8N	68.3E	33	4.9b		
ISC	**II**	**28 01 49 27**±1.1	**29.9N**±.19	**67.9E**±.22	**33**	**3.9b**	**9**	**24-88**
EIDC	II	28 01 49 23.2	29.9N	68.0E	0	3.9b		¶97ii4096
NEIC	II	28 01 49 26.6	29.91N	67.88E	33			
NEIC	Poor solution.							
ISC	**II**	**28 02 05 29**±1.9	**29.9N**±.28	**68.0E**±.18	**33**	**3.8b**	**9**	**6-88**
EIDC	II	28 02 05 26.2	30.0N	67.9E	0	3.8b,4.0L		¶97ii4098
NEIC	II	28 02 05 28.5	29.91N	68.09E	33	3.8b		
NEIC	Poor solution.							
ISC	**II**	**28 02 11 11**±5.2	**29.52N**±.086	**68.29E**±.079	**11**±31	**4.3b,4.3s**	**42**	**3-88**
EIDC	II	28 02 11 10.4	29.4N	68.2E	0	4.2b,4.5L		¶97ii4100
BJI	II	28 02 11 10.8	29.68N	67.72E	34	4.7b,5.0s		
NEIC	II	28 02 11 13.6	29.49N	68.32E	33	4.4b		
MOS	II	28 02 11 14.2	29.6N	68.5E	33	4.5s		
ISC	**II**	**28 02 22 05**±4.2	**29.82N**±.097	**67.7E**±.12	**30**±31	**3.8b,**4.0s	**20**	**3-88**
EIDC	II	28 02 22 01.5	29.7N	67.7E	0	3.8b,4.6L		¶97ii4102
BJI	II	28 02 22 03.3	30.41N	66.85E	33	4.5b,4.5s		
NEIC	II	28 02 22 04.8	29.85N	67.78E	33	4.1b		
ISC	**II**	**28 02 28 09**±1.1	**29.6N**±.19	**68.6E**±.23	**33**	**3.9b**	**9**	**42-88**
EIDC	II	28 02 28 05.4	29.5N	68.6E	0	3.9b		¶97ii4104
NEIC	II	28 02 28 09.2	29.55N	68.54E	33	3.6b		
NEIC	Poor solution.							
ISC	**II**	**28 02 35 27**±2.2	**29.7N**±.28	**68.4E**±.34	**33**	**3.7b**	**8**	**42-88**
EIDC	II	28 02 35 24.4	29.8N	68.3E	0	3.7b		¶97ii4107
NEIC	II	28 02 35 27.1	29.71N	68.37E	33			
NEIC	Poor solution.							
ISC	**II**	**28 02 43 13.0**±.60	**29.46N**±.089	**68.57E**±.093	**30**	**3.8b**	**17**	**6-88**
EIDC	II	28 02 43 10.6	29.5N	68.5E	0	3.9b,4.0L		¶97ii4110
NEIC	II	28 02 43 13.0	29.47N	68.53E	33	3.9b		
BJI	II	28 02 43 14.4	29.86N	68.41E	30	4.5b,4.6s		
NEIC	Less reliable solution.							
ISC	**II**	**28 02 51 58.7**±.79	**29.6N**±.12	**68.6E**±.14	**33**	**3.6b,**4.0s	**11**	**15-88**
EIDC	II	28 02 51 58.0	29.6N	68.1E	0	3.7b		¶97ii4112
BJI	II	28 02 51 58.6	29.60N	68.60E	33	4.5b		
NEIC	II	28 02 51 58.6	29.56N	68.63E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**II**	**28 03 03 15.9**±.89	**29.7N**±.18	**68.6E**±.18	**33**	**3.9b**	**7**	**6-88**
EIDC	II	28 03 03 12.6	29.6N	68.6E	0	4.0b,3.9L		¶97ii4113
NEIC	II	28 03 03 15.9	29.67N	68.62E	33			
NEIC	Single network solution.							
ISC	**II**	**28 03 12 12**±2.3	**30.10N**±.098	**68.2E**±.11	**50**±21	**4.1b**	**23**	**6-93**
NEIC	II	28 03 12 09.9	30.10N	68.16E	33	4.1b		¶97ii4115
EIDC	II	28 03 12 11.6	30.0N	68.2E	37	3.9b,4.2L		
ISC	**II**	**28 03 17 35**±2.5	**29.59N**±.064	**68.57E**±.039	**26**±17	**4.7b,4.4s**	**113**	**3-145**
MOS	II	28 03 17 35.7	29.5N	68.6E	33	4.9b,4.4s		¶97ii4117
NEIC	II	28 03 17 35.7	29.56N	68.57E	33	4.7b,4.3s		
BJI	II	28 03 17 35.9	29.84N	68.56E	25	5.0b,4.7s		
EIDC	II	28 03 17 37.6	29.5N	68.6E	34	4.4b,4.4s		
ISC	**II**	**28 03 20 25.6**±.79	**30.0N**±.17	**68.2E**±.16	**33**	**4.2b**	**12**	**45-88**
EIDC	II	28 03 20 22.4	30.0N	68.2E	0	4.2b		¶97ii4118
NEIC	II	28 03 20 25.6	30.02N	68.17E	33	4.3b		
NEIC	Less reliable solution.							
EIDC	**II**	**28 03 53 56.9**	**29.5N**	**68.8E**	**0**	**3.9b**		**53-88**
								¶97ii4123
EIDC	**II**	**28 04 10 37.8**	**30.5N**	**68.3E**	**0**	**3.9b**		**46-87**
								¶97ii4126
ISC	**II**	**28 04 59 36**±2.0	**29.9N**±.12	**68.16E**±.089	**46**±16	**4.1b**	**33**	**3-88**
EIDC	II	28 04 59 31.1	29.7N	68.0E	0	4.2b,4.3L		¶97ii4134
BJI	II	28 04 59 34.5	29.90N	68.10E	33	4.5b,4.2s		
NEIC	II	28 04 59 34.5	29.90N	68.11E	33	4.3b		
MOS	II	28 04 59 34.8	29.9N	68.4E	33	4.4b		
ISC	**II**	**28 05 25 57**±1.9	**29.6N**±.28	**68.6E**±.25	**33**	**3.8b**	**9**	**42-88**
EIDC	II	28 05 25 52.5	29.4N	68.7E	0	3.8b		¶97ii4137
NEIC	II	28 05 25 57.1	29.61N	68.56E	33	3.7b		
NEIC	Poor solution.							
ISC	**II**	**28 05 28 38**±2.8	**30.0N**±.15	**67.81E**±.084	**36**±24	**4.1b**	**31**	**6-145**
MOS	II	28 05 28 34.8	29.5N	68.1E	33	4.5b		¶97ii4138
BJI	II	28 05 28 37.5	30.00N	67.80E	33	4.8b,4.2s		
NEIC	II	28 05 28 37.5	30.01N	67.84E	33	4.3b		
EIDC	II	28 05 28 41.2	30.1N	67.9E	43	3.9b,4.2L		
ISC	**II**	**28 05 34 38**±6.9	**29.43N**±.097	**68.4E**±.11	**4**±42	**4.1b,**4.0s	**21**	**6-88**
BJI	II	28 05 34 42.1	29.50N	68.50E	33	4.6b		¶97ii4141
NEIC	II	28 05 34 42.1	29.48N	68.50E	33	4.3b		
EIDC	II	28 05 34 44.7	29.4N	68.4E	41	3.8b,4.3L		
NEIC	Less reliable solution.							
ISC	**II**	**28 06 25 47**±2.9	**29.62N**±.074	**68.23E**±.066	**29**±21	**4.2b,4.5s**	**56**	**3-145**
BJI	II	28 06 25 46.9	29.79N	68.32E	15	4.7b,4.6s		¶97ii4156
MOS	II	28 06 25 47.5	29.5N	68.2E	33	4.8b,4.5s		
NEIC	II	28 06 25 47.5	29.63N	68.20E	33	4.5b,4.2s		
EIDC	II	28 06 25 51.0	29.7N	68.3E	47	4.0b,4.3L		
NEIC	Less reliable solution.							
ISC	**II**	**28 06 44 51**±5.8	**29.7N**±.16	**68.0E**±.14	**20**±39	**3.9b**	**21**	**3-88**
BJI	II	28 06 44 53.3	29.90N	68.10E	33	4.7b,4.4s		¶97ii4160
NEIC	II	28 06 44 53.3	29.88N	68.09E	33	3.8b		
EIDC	II	28 06 44 56.4	29.9N	68.1E	43	3.7b,4.5L		
NEIC	Less reliable solution.							
ISC	**II**	**28 06 47 21**±5.6	**29.7N**±.29	**68.1E**±.23	**55**±45	**3.8b**	**11**	**6-88**
NEIC	II	28 06 47 18.4	29.59N	67.99E	33			¶97ii4161
EIDC	II	28 06 47 23.9	29.8N	68.1E	63	3.6b,3.8L		
NEIC	Single network solution.							
ISC	**II**	**28 07 52 09**±6.8	**29.8N**±.12	**68.1E**±.10	**26**±47	**4.2b,**4.3s	**29**	**6-88**
MOS	II	28 07 52 08.4	29.4N	67.8E	33	4.5b		¶97ii4172
BJI	II	28 07 52 09.9	29.70N	68.10E	33	4.7b		
NEIC	II	28 07 52 09.9	29.73N	68.09E	33	4.4b		
EIDC	II	28 07 52 18.2	29.7N	68.1E	94	3.9b,4.3s		
NEIC	Less reliable solution.							
ISC	**II**	**28 07 53 49.2**±.80	**30.0N**±.14	**68.2E**±.17	**33**	**3.9b**	**12**	**16-88**
EIDC	II	28 07 53 45.8	29.9N	67.9E	0	3.9b		¶97ii4173
NEIC	II	28 07 53 49.1	30.04N	68.16E	33			
NEIC	Less reliable solution.							
ISC	**II**	**28 07 54 56**±1.2	**30.8N**±.24	**68.0E**±.32	**33**	**3.8b**	**5**	**40-87**
EIDC	II	28 07 54 52.4	30.6N	68.1E	0	3.9b		¶97ii4174
ISC	**II**	**28 08 27 36**±9.5	**29.6N**±.19	**68.2E**±.14	**12**±54	**4.0b**	**15**	**6-88**
EIDC	II	28 08 27 35.6	29.6N	68.2E	0	4.0b,3.9L		¶97ii4183
BJI	II	28 08 27 38.2	29.46N	68.43E	35	5.0b,4.5s		
NEIC	II	28 08 27 39.0	29.69N	68.22E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**II**	**28 08 34 00**±2.4	**29.7N**±.10	**68.3E**±.14	**52**±22	**3.9b**	**17**	**6-88**
NEIC	II	28 08 33 58.6	29.72N	68.32E	33			¶97ii4187
EIDC	II	28 08 33 59.8	29.4N	68.4E	40	3.7b,4.1L		
BJI	II	28 08 34 01.2	30.07N	68.15E	39	4.6b,4.2s		
NEIC	Less reliable solution.							
ISC	**II**	**28 09 47 16**±4.7	**30.0N**±.26	**68.4E**±.22	**76**±36	**3.5b**	**10**	**6-88**
NEIC	II	28 09 47 10.9	29.78N	68.19E	33	3.6b		¶97ii4204
EIDC	II	28 09 47 17.2	29.9N	68.3E	72	3.4b,4.1L		
NEIC	Poor solution.							
ISC	**II**	**28 10 12 33.2**±.83	**29.3N**±.14	**68.1E**±.13	**33**	**3.8b**	**13**	**6-88**
EIDC	II	28 10 12 29.7	29.3N	68.0E	0	3.8b,4.2L		¶97ii4208
NEIC	II	28 10 12 33.2	29.36N	68.10E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**II**	**28 10 24 41**±3.9	**30.0N**±.20	**67.8E**±.18	**39**±34	**3.6b**	**9**	**6-88**
NEIC	II	28 10 24 40.3	29.93N	67.77E	33	3.8b		¶97ii4211
EIDC	II	28 10 24 42.7	29.8N	67.6E	37	3.5b,4.1L		
NEIC	Less reliable solution.							
ISC	**II**	**28 10 36 50**±4.4	**29.7N**±.10	**68.09E**±.095	**20**±31	**4.0b,**3.9s	**35**	**6-138**
BJI	II	28 10 36 51.3	29.79N	68.22E	25	4.3b,4.3s		¶97ii4216
NEIC	II	28 10 36 52.4	29.88N	68.10E	33	4.4b		
MOS	II	28 10 36 52.5	29.9N	67.9E	33	5.0b		
EIDC	II	28 10 36 56.2	29.9N	68.3E	53	3.8b,4.2L		
ISC	**II**	**28 10 47 50**±1.0	**28.8N**±.24	**68.7E**±.27	**33**	**3.6b**	**5**	**48-89**
EIDC	II	28 10 47 46.9	29.0N	68.9E	0	3.6b		¶97ii4219
ISC	**II**	**28 11 01 19**±1.0	**29.7N**±.27	**68.6E**±.27	**33**	**3.9b**	**5**	**53-88**
EIDC	II	28 11 01 15.3	29.8N	68.8E	0	4.0b		¶97ii4223
NEIC	II	28 11 01 19.1	29.75N	68.62E	33			
NEIC	Poor solution.							
ISC	**II**	**28 12 06 21**±1.3	**29.6N**±.27	**68.3E**±.33	**33**	**3.7b**	**4**	**47-88**
EIDC	II	28 12 06 17.2	29.7N	68.4E	0	3.7b		¶97ii4241
ISC	Poorly determined							
ISC	**II**	**28 13 59 21**±1.4	**29.8N**±.22	**68.0E**±.19	**33**	**3.7b**	**8**	**6-88**
EIDC	II	28 13 59 17.2	29.8N	68.1E	0	3.8b,4.2L		¶97ii4266
NEIC	II	28 13 59 20.8	29.83N	68.05E	33	3.8b		
NEIC	Poor solution.							
ISC	**II**	**28 14 46 40.2**±.79	**29.4N**±.13	**68.4E**±.13	**33**	**3.5b**	**11**	**8-88**
EIDC	II	28 14 46 36.8	29.3N	68.3E	0	3.6b		¶97ii4272
NEIC	II	28 14 46 40.3	29.36N	68.32E	33	3.5b		
BJI	II	28 14 46 46.4	30.37N	68.56E	5			
NEIC	Less reliable solution.							
ISC	**II**	**28 15 14 58**±1.1	**29.8N**±.17	**68.2E**±.17	**33**	**3.7b**	**7**	**6-88**
EIDC	II	28 15 14 54.1	29.7N	68.1E	0	3.8b,3.6L		¶97ii4274
NEIC	II	28 15 14 58.1	29.83N	68.21E	33	3.6b		
NEIC	Less reliable solution.							
ISC	**II**	**28 15 17 25**±4.4	**29.64N**±.092	**68.3E**±.10	**30**±32	**3.9b,**3.8s	**23**	**6-88**
EIDC	II	28 15 17 22.3	29.4N	68.2E	0	4.0b,4.1L		¶97ii4275
BJI	II	28 15 17 25.7	29.60N	68.30E	33	4.5b,4.5s		
NEIC	II	28 15 17 25.7	29.64N	68.28E	33	4.1b		
ISC	**II**	**28 16 14 37**±3.0	**30.0N**±.12	**67.87E**±.099	**34**±26	**4.0b,**3.7s	**27**	**6-88**
EIDC	II	28 16 14 34.0	30.0N	67.8E	0	3.9b,4.2L		¶97ii4291
NEIC	II	28 16 14 37.2	30.08N	67.91E	33	4.3b		
BJI	II	28 16 14 38.5	30.00N	68.53E	4	4.6b,4.5s		
ISC	**II**	**28 16 33 16.7**±.93	**28.8N**±.22	**67.3E**±.23	**33**	**3.7b**	**7**	**28-89**
EIDC	II	28 16 33 12.9	29.0N	67.4E	0	3.7b		¶97ii4294
ISC	**II**	**28 19 43 41**±1.6	**30.1N**±.19	**67.9E**±.26	**33**	**3.5b**	**6**	**6-88**
EIDC	II	28 19 43 37.3	29.9N	67.8E	0	3.6b,4.0L		¶97ii4320
NEIC	II	28 19 43 40.8	30.08N	67.87E	33	3.4b		
NEIC	Poor solution.							
ISC	**II**	**28 20 37 03**±5.4	**30.3N**±.43	**67.8E**±.19	**49**±37	**3.7b,**4.1s	**9**	**6-88**
EIDC	II	28 20 36 56.9	29.9N	67.7E	0	3.8b,4.3L		¶97ii4332
NEIC	II	28 20 37 01.2	30.19N	67.80E	33			
NEIC	Poor solution.							
ISC	**II**	**28 21 12 12**±1.7	**29.76N**±.090	**68.4E**±.12	**44**±15	**3.8b**	**22**	**2-88**
EIDC	II	28 21 12 07.4	29.7N	68.5E	0	3.8b,4.1L		¶97ii4339
BJI	II	28 21 12 10.7	29.70N	68.50E	33	4.3b		
NEIC	II	28 21 12 10.7	29.71N	68.51E	33	4.4b		
NEIC	Less reliable solution.							
ISC	**II**	**28 22 14 58**±4.5	**29.88N**±.073	**68.07E**±.068	**3**±27	**4.3b,3.7s**	**52**	**3-88**
EIDC	II	28 22 14 58.9	30.0N	68.1E	0	4.3b,3.7s		¶97ii4350
MOS	II	28 22 15 01.5	29.9N	68.2E	33	4.6b		
NEIC	II	28 22 15 01.9	29.98N	68.17E	33	4.3b		
BJI	II	28 22 15 03.3	30.23N	68.64E	5	4.6b,4.4s		
ISC	**II**	**28 22 58 49**±1.4	**30.03N**±.073	**68.08E**±.059	**40**±12	**4.3b,**3.9s	**70**	**3-145**
EIDC	II	28 22 58 44.7	30.0N	68.1E	0	4.4b,3.8s		¶97ii4358
BJI	II	28 22 58 47.3	30.06N	67.86E	38	4.5b		
NEIC	II	28 22 58 48.1	30.08N	68.13E	33	4.4b		
MOS	II	28 22 58 48.3	30.1N	68.1E	33	4.7b		
EIDC	**II**	**28 23 52 20.7**	**28.3N**	**65.7E**	**0**	**3.9b,**4.3L		**8-90**
								¶97ii4365
ISC	**III**	**01 00 42 05**±3.5	**29.56N**±.060	**68.35E**±.037	**9**±21	**4.7b,4.4s**	**151**	**3-145**
BJI	III	01 00 42 07.1	29.82N	68.34E	17	4.8b,4.6s		¶97iii0003
NEIC	III	01 00 42 07.9	29.54N	68.35E	33	4.8b		
MOS	III	01 00 42 08.6	29.6N	68.6E	38	5.0b		
EIDC	III	01 00 42 09.6	29.6N	68.4E	31	4.4b,4.3s		
ISC	**III**	**01 00 57 10**±3.9	**29.7N**±.21	**68.2E**±.23	**59**±35	**3.7b**	**9**	**6-88**
NEIC	III	01 00 57 07.3	29.57N	68.26E	33	3.8b		¶97iii0006
EIDC	III	01 00 57 10.6	29.5N	68.3E	46	3.6b,3.7L		
NEIC	Poor solution.							
ISC	**III**	**01 01 35 51**±1.0	**30.1N**±.16	**67.8E**±.12	**33**	**3.9b**	**15**	**6-88**
NEIC	III	01 01 35 51.1	30.02N	67.85E	33	3.9b		¶97iii0014
EIDC	III	01 01 35 57.8	30.1N	68.1E	82	3.6b,4.4L		
NEIC	Less reliable solution.							
ISC	**III**	**01 01 39 08.5**±.62	**29.85N**±.085	**67.94E**±.096	**33**	**4.0b,**3.7s	**20**	**3-88**
EIDC	III	01 01 39 05.6	29.8N	67.9E	0	4.0b,3.7s		¶97iii0015
NEIC	III	01 01 39 08.4	29.88N	67.96E	33	4.1b		
BJI	III	01 01 39 15.9	30.30N	68.50E	33	4.2b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
NEIC	Less reliable solution.							
ISC	**III**	**01 02 06 25**±6.9	**29.98N**±.097	**67.8E**±.13	**13**±43	**3.9b**	**24**	**3-88**
EIDC	III	01 02 06 23.2	29.9N	68.0E	0	3.8b,3.9L		¶97iii0017
NEIC	III	01 02 06 27.2	30.13N	67.99E	33	4.1b		
MOS	III	01 02 06 27.5	30.0N	68.1E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**01 02 36 15**±3.9	**30.0N**±.12	**67.6E**±.25	**34**±36	**3.6b**	**9**	**6-88**
NEIC	III	01 02 36 15.5	30.00N	67.68E	33	3.6b		¶97iii0022
EIDC	III	01 02 36 17.5	29.8N	67.9E	40	3.4b,4.2L		
NEIC	Less reliable solution.							
ISC	**III**	**01 03 08 27**±1.0	**29.6N**±.25	**68.4E**±.27	**33**	**3.9b**	**5**	**47-90**
EIDC	III	01 03 08 23.4	29.6N	68.5E	0	3.9b		¶97iii0026
ISC	**III**	**01 04 16 31**±2.6	**30.6N**±.13	**68.2E**±.12	**88**±24	**3.8b**	**18**	**5-87**
NEIC	III	01 04 16 25.0	30.55N	68.01E	33	3.9b		¶97iii0040
EIDC	III	01 04 16 32.2	30.6N	68.2E	79	3.6b,4.2L		
NEIC	Less reliable solution.							
NEIC	Felt at Sibi.							
ISC	**III**	**01 05 35 51**±1.3	**29.8N**±.22	**68.1E**±.20	**33**	**3.7b**	**12**	**12-88**
EIDC	III	01 05 35 47.4	29.6N	68.1E	0	3.8b		¶97iii0055
NEIC	III	01 05 35 51.3	29.90N	68.19E	33	3.8b		
NEIC	Poor solution.							
ISC	**III**	**01 06 31 25**±4.2	**29.8N**±.11	**68.04E**±.089	**19**±29	**4.0b**	**31**	**3-88**
EIDC	III	01 06 31 23.8	29.7N	68.0E	0	4.1b,4.1L		¶97iii0063
NEIC	III	01 06 31 27.1	29.81N	68.04E	33	4.1b		
NEIC	Less reliable solution.							
EIDC	**III**	**01 07 07 44.7**	**30.2N**	**69.0E**	**0**	**3.6b**		**46-88**
								¶97iii0067
ISC	**III**	**01 07 44 32.0**±.50	**29.84N**±.080	**67.87E**±.062	**33**	**3.9b**	**33**	**3-88**
EIDC	III	01 07 44 28.9	29.8N	67.8E	0	4.0b,4.4L		¶97iii0069
MOS	III	01 07 44 31.0	29.7N	68.0E	33	4.9b		
NEIC	III	01 07 44 31.5	29.88N	67.99E	33	4.4b		
BJI	III	01 07 44 34.2	30.01N	68.55E	5	4.4b		
ISC	**III**	**01 07 55 24.9**±.85	**30.1N**±.13	**67.9E**±.13	**33**	**3.8b**	**12**	**6-88**
EIDC	III	01 07 55 22.4	30.1N	67.7E	0	3.9b,4.4L		¶97iii0070
NEIC	III	01 07 55 24.8	30.13N	67.87E	33	3.7b		
NEIC	Less reliable solution.							
ISC	**III**	**01 08 13 34**±1.6	**29.73N**±.084	**68.26E**±.083	**38**±14	**4.2b**	**42**	**3-88**
EIDC	III	01 08 13 29.5	29.5N	68.2E	0	4.2b,4.4L		¶97iii0073
NEIC	III	01 08 13 32.8	29.59N	68.32E	33	4.3b		
MOS	III	01 08 13 33.5	29.7N	68.4E	33	4.5b		
BJI	III	01 08 13 39.9	29.96N	69.20E	17	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**01 08 25 35**±6.4	**30.3N**±.21	**67.3E**±.16	**25**±45	**3.7b**	**14**	**4-87**
EIDC	III	01 08 25 33.0	30.4N	67.4E	0	3.7b,4.2L		¶97iii0074
NEIC	III	01 08 25 36.1	30.42N	67.42E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**01 09 10 26**±1.4	**30.0N**±.25	**68.2E**±.18	**33**	**3.8b**	**11**	**41-88**
EIDC	III	01 09 10 22.9	29.9N	68.2E	0	3.8b		¶97iii0080
NEIC	III	01 09 10 26.2	29.97N	68.17E	33	3.9b		
NEIC	Poor solution.							
ISC	**III**	**01 09 15 26**±3.4	**30.7N**±.26	**67.9E**±.23	**54**±36	**3.8b**	**11**	**5-87**
EIDC	III	01 09 15 22.2	30.8N	67.7E	0	3.9b,4.3L		¶97iii0082
NEIC	III	01 09 15 23.8	30.75N	67.85E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**01 10 11 15**±2.3	**29.8N**±.32	**68.2E**±.37	**33**	**3.7b**	**5**	**24-88**
EIDC	III	01 10 11 10.8	29.9N	68.3E	0	3.8b		¶97iii0090
ISC	**III**	**01 13 17 44**±3.9	**29.9N**±.18	**68.1E**±.18	**44**±33	**3.9b**	**11**	**6-88**
NEIC	III	01 13 17 42.7	29.93N	68.08E	33	3.6b		¶97iii0115
EIDC	III	01 13 17 46.9	29.9N	68.2E	53	3.6b,4.1L		
NEIC	Less reliable solution.							
ISC	**III**	**01 13 47 00**±3.4	**29.7N**±.12	**68.4E**±.25	**54**±33	**3.7b**	**8**	**6-88**
NEIC	III	01 13 46 58.2	29.95N	68.02E	33			¶97iii0119
EIDC	III	01 13 47 06.5	30.1N	68.2E	93	3.4b		
NEIC	Poor solution.							
ISC	**III**	**01 16 38 34**±4.2	**29.8N**±.36	**68.6E**±.30	**57**±36	**3.5b**	**6**	**6-88**
EIDC	III	01 16 38 27.9	29.7N	68.5E	0	3.6b,4.0L		¶97iii0141
NEIC	III	01 16 38 31.3	29.81N	68.48E	33	3.6b		
NEIC	Poor solution.							
EIDC	**III**	**01 17 21 37.5**	**29.7N**	**68.5E**	**0**	**3.7b**		**41-88**
								¶97iii0149
ISC	**III**	**01 19 02 48**±1.1	**30.0N**±.16	**67.8E**±.14	**33**	**3.5b**	**10**	**6-88**
EIDC	III	01 19 02 44.3	30.0N	67.7E	0	3.6b,3.8L		¶97iii0167
NEIC	III	01 19 02 47.7	30.03N	67.75E	33	3.6b		
NEIC	Poor solution.							
ISC	**III**	**01 20 23 34**±1.5	**29.9N**±.10	**68.08E**±.068	**47**±12	**4.1b**,3.8s	**51**	**3-88**
EIDC	III	01 20 23 31.5	29.7N	68.0E	16	4.0b,3.8s		¶97iii0180
NEIC	III	01 20 23 32.3	29.85N	68.09E	33	4.3b		
BJI	III	01 20 23 34.8	30.22N	68.42E	15	4.3b		
MOS	III	01 20 23 35.5	30.3N	68.2E	33	4.5b		
ISC	**III**	**01 21 23 51**±4.3	**29.9N**±.11	**68.19E**±.093	**17**±31	**4.1b**	**33**	**5-121**
EIDC	III	01 21 23 49.7	29.9N	68.2E	0	4.1b,4.1L		¶97iii0189
NEIC	III	01 21 23 52.6	30.00N	68.23E	33	4.2b		
BJI	III	01 21 24 02.0	30.35N	69.23E	17	4.4b		
ISC	**III**	**01 22 03 46**±1.2	**30.5N**±.23	**69.2E**±.25	**33**	**3.6b**	**5**	**5-87**
EIDC	III	01 22 03 43.1	30.3N	69.3E	0	3.7b,3.1L		¶97iii0198
ISC	**III**	**02 00 30 32**±4.6	**30.7N**±.71	**68.8E**±.28	**33**	**3.5b**	**6**	**20-87**
EIDC	III	02 00 30 21.7	29.5N	68.1E	0	3.6b		¶97iii0218
ISC	**III**	**02 03 09 22**±1.9	**30.6N**±.34	**69.7E**±.32	**33**	**3.7b**	**7**	**7-87**
EIDC	III	02 03 09 18.0	30.6N	69.6E	0	3.7b		¶97iii0231
NEIC	III	02 03 09 21.9	30.65N	69.71E	33	3.5b		
NEIC	Poor solution.							
ISC	**III**	**02 03 58 25.1**±.67	**29.7N**±.10	**68.13E**±.064	**33**	**4.1b**	**40**	**3-88**
MOS	III	02 03 58 22.9	29.3N	68.4E	33	4.7b		¶97iii0236
EIDC	III	02 03 58 23.2	29.6N	68.1E	12	4.0b,4.2L		
BJI	III	02 03 58 24.8	29.66N	68.48E	23	4.3b		
NEIC	III	02 03 58 25.0	29.66N	68.12E	33	4.3b		
NEIC	Less reliable solution.							
NEIC	Felt in the Sibi area.							
ISC	**III**	**02 05 27 09**±3.0	**29.75N**±.069	**68.18E**±.072	**15**±22	**4.3b**	**50**	**3-93**
BJI	III	02 05 27 10.8	29.85N	68.25E	31	4.6b,4.4s		¶97iii0248
NEIC	III	02 05 27 10.8	29.78N	68.23E	33	4.3b		
MOS	III	02 05 27 12.3	29.8N	68.4E	33	4.9b		
EIDC	III	02 05 27 12.6	29.8N	68.2E	32	4.0b,4.3L		
ISC	**III**	**02 08 43 52.4**±.65	**29.9N**±.10	**68.13E**±.092	**33**	**3.9b**	**19**	**6-88**
EIDC	III	02 08 43 49.5	29.9N	68.0E	0	4.0b,3.9L		¶97iii0268
NEIC	III	02 08 43 52.3	29.91N	68.16E	33	3.6b		
BJI	III	02 08 43 59.4	30.26N	69.23E	5	4.3b,4.3s		
NEIC	Less reliable solution.							
ISC	**III**	**02 09 37 40**±3.6	**31.0N**±.17	**68.0E**±.17	**57**±33	**3.6b**	**10**	**5-83**
EIDC	III	02 09 37 34.6	30.9N	67.9E	0	3.6b,3.7L		¶97iii0272
NEIC	III	02 09 37 37.7	30.94N	67.90E	33			
NEIC	Single network solution.							
ISC	**III**	**02 11 27 59**±5.9	**30.4N**±.83	**67.8E**±.22	**33**	**3.6b**	**6**	**6-87**
EIDC	III	02 11 27 51.1	29.6N	67.8E	0	3.6b,4.0L		¶97iii0294
ISC	**III**	**02 12 01 49**±2.8	**29.9N**±.13	**68.1E**±.14	**37**±26	**3.8b**	**16**	**6-88**
EIDC	III	02 12 01 45.4	29.8N	68.0E	0	3.9b,4.0L		¶97iii0303
NEIC	III	02 12 01 48.5	29.85N	68.07E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**III**	**02 12 33 07**±9.0	**29.5N**±.21	**68.3E**±.19	**31**±63	**3.6b**	**8**	**6-88**
EIDC	III	02 12 33 03.7	29.4N	68.3E	0	3.7b,4.2L		¶97iii0307
NEIC	III	02 12 33 07.0	29.55N	68.26E	33	3.6b		
NEIC	Less reliable solution.							
ISC	**III**	**02 23 54 28**±3.6	**29.7N**±.18	**68.3E**±.16	**44**±30	**3.6b**	**12**	**6-121**
NEIC	III	02 23 54 26.5	29.70N	68.31E	33			¶97iii0427
EIDC	III	02 23 54 29.5	29.5N	68.3E	47	3.5b,3.8L		
NEIC	Single network solution.							
ISC	**III**	**03 02 25 22**±1.5	**29.93N**±.074	**68.07E**±.060	**42**±14	**4.2b**	**59**	**6-97**
BJI	III	03 02 25 19.9	29.88N	67.94E	29	4.7b,5.3s		¶97iii0447
MOS	III	03 02 25 20.1	29.8N	68.2E	33	4.7b		
NEIC	III	03 02 25 20.8	29.89N	67.98E	33	4.3b		
EIDC	III	03 02 25 25.2	29.8N	68.2E	64	3.9b,4.2L		
ISC	**III**	**03 02 28 34**±1.2	**29.56N**±.064	**68.56E**±.035	**36**±10	**4.7b,4.7s**	**173**	**3-138**
NEIC	III	03 02 28 33.2	29.58N	68.51E	33	4.7b,4.5s		¶97iii0450
MOS	III	03 02 28 33.9	29.7N	68.7E	33	5.1b,4.8s		
BJI	III	03 02 28 34.4	29.56N	68.66E	33	5.0b,5.0s		
EIDC	III	03 02 28 36.6	29.6N	68.5E	50	4.4b		
NEIC	Felt in the Harnai-Sibi area and at Quetta.							
ISC	**III**	**03 02 31 35**±2.0	**29.6N**±.13	**68.8E**±.17	**61**±20	**4.1b**	**23**	**2-145**
EIDC	III	03 02 31 28.8	29.6N	68.7E	0	4.1b		¶97iii0451
NEIC	III	03 02 31 31.1	29.60N	68.83E	33	4.5b		
NEIC	Less reliable solution.							
ISC	**III**	**03 03 52 15**±1.0	**30.0N**±.19	**67.8E**±.14	**33**	**3.6b**	**10**	**24-88**
EIDC	III	03 03 52 12.1	29.9N	67.6E	0	3.6b		¶97iii0468
NEIC	III	03 03 52 13.0	29.79N	67.96E	33			
NEIC	Poor solution.							
ISC	**III**	**03 06 38 41.9**±.84	**33.63N**±.061	**71.62E**±.086	**58**±9.4	**4.1b**	**35**	**0-84**
MOS	III	03 06 38 38.3	33.6N	71.4E	32	4.6b		¶97iii0499
NEIC	III	03 06 38 40.7	33.59N	71.51E	48	4.5b		
EIDC	III	03 06 38 43.2	33.7N	71.5E	49	3.9b		
ISC	**III**	**03 06 51 09**±6.7	**30.4N**±.17	**67.9E**±.19	**22**±48	**3.8b**	**9**	**6-87**
EIDC	III	03 06 51 07.6	30.3N	67.9E	0	3.8b,4.0L		¶97iii0500
NEIC	III	03 06 51 10.6	30.34N	67.96E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**03 13 06 50**±8.3	**29.9N**±.10	**67.7E**±.15	**4**±50	**4.1b**	**16**	**6-88**
EIDC	III	03 13 06 50.4	29.8N	67.7E	0	4.0b,4.3L		¶97iii0584
NEIC	III	03 13 06 53.7	29.91N	67.80E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**03 13 22 54.1**±.60	**29.64N**±.096	**68.19E**±.091	**33**	**3.9b**	**21**	**6-88**
EIDC	III	03 13 22 50.8	29.5N	68.1E	0	3.9b,4.3L		¶97iii0588
NEIC	III	03 13 22 54.0	29.64N	68.20E	33	3.9b		
BJI	III	03 13 23 01.8	30.19N	68.57E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**03 19 42 41.7**±.38	**29.59N**±.064	**68.20E**±.043	**16**	**4.4b,4.4s**	**76**	**3-145**
EIDC	III	03 19 42 40.8	29.5N	68.2E	0	4.3b,4.6L		¶97iii0676
NEIC	III	03 19 42 43.6	29.56N	68.25E	33	4.5b		
MOS	III	03 19 42 44.5	29.8N	68.3E	33	4.7b		
BJI	III	03 19 42 44.7	29.84N	68.53E	16	4.7b,4.4s		
ISC	**III**	**04 02 49 36**±1.1	**29.68N**±.076	**68.39E**±.044	**36**±9.2	**4.3b,4.5s**	**77**	**1-88**
EIDC	III	04 02 49 33.1	29.6N	68.3E	7	4.3b,4.8L		¶97iii0756
NEIC	III	04 02 49 35.0	29.66N	68.38E	33	4.5b		
BJI	III	04 02 49 35.1	29.80N	68.41E	26	4.7b,4.5s		
MOS	III	04 02 49 36.0	29.9N	68.5E	33	5.1b,4.5s		
ISC	**III**	**04 09 56 43**±3.1	**30.4N**±.21	**67.6E**±.19	**159**±28	**3.4b**	**10**	**6-87**
NEIC	III	04 09 56 28.4	30.37N	67.72E	33	3.6b		¶97iii0824
EIDC	III	04 09 56 43.6	30.4N	67.6E	151	3.3b		
NEIC	Poor solution.							
ISC	**III**	**04 10 09 52**±4.1	**30.0N**±.30	**69.0E**±.32	**169**±38	**3.3b**	**5**	**5-88**
EIDC	III	04 10 09 53.4	30.1N	69.1E	170	3.2b		¶97iii0828
ISC	Poorly determined							
ISC	**III**	**04 11 24 39**±3.0	**29.6N**±.16	**68.3E**±.15	**142**±26	**3.5b**	**14**	**6-93**
NEIC	III	04 11 24 26.5	29.57N	68.24E	33	3.6b		¶97iii0837
EIDC	III	04 11 24 40.2	29.5N	68.3E	140	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**04 12 58 32**±3.5	**29.9N**±.16	**68.4E**±.17	**41**±29	**3.6b**	**13**	**6-88**
NEIC	III	04 12 58 30.6	29.94N	68.39E	33	3.9b		¶97iii0847
EIDC	III	04 12 58 35.5	30.0N	68.5E	58	3.4b,3.5L		
BJI	III	04 12 58 39.3	30.50N	68.20E	63	4.6b		
NEIC	Less reliable solution.							
ISC	**III**	**04 13 03 47**±1.7	**29.40N**±.039	**68.78E**±.023	**24**±12	**5.3b,5.8s**	**476**	**2-146**
EIDC	III	04 13 03 44.0	29.3N	68.7E	0	5.1b,5.2L		¶97iii0849
HRVD	III	04 13 03 46.7±.3	28.95N±.02	68.65E±.03	33			
NEIC	III	04 13 03 47.8	29.42N	68.79E	33	5.4b,5.8s		
MOS	III	04 13 03 48.3	29.5N	68.9E	33	5.7b,5.7s		
BJI	III	04 13 03 49.4	29.50N	68.82E	38	5.4b,6.0s		
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s36,c53; Half duration: 1s8. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.07; $M_{\theta\theta}$−4.69±.09; $M_{\phi\phi}$3.97±.11; $M_{r\theta}$−0.89±.19; $M_{r\phi}$−0.92±.20; $M_{\theta\phi}$0.75±.10. Principal Axes: T 4.31,Plg16°,Azm96°; N 0.56, Plg72°,Azm247°; P −4.88,Plg8°,Azm4°. Best double couple: $M_0$4.6×10^{17}Nm, NP1:ϕ_S139°, δ73°,λ175°. NP2:ϕ_S231°,δ85°,λ17°.							
NEIC	Mw5.7(GS), Mw5.7(HRV). Casualties.							
NEIC	At least one person injured and additional damage at Sibi. Felt at Quetta.							
NEIC	Moment tensor solution: s14, scale 10^{17}Nm; M_{rr}0.27; $M_{\theta\theta}$−4.48; $M_{\phi\phi}$4.21; $M_{r\theta}$−1.37; $M_{r\phi}$−0.81; $M_{\theta\phi}$−0.58. Depth 13km; Principal axes: T 4.38,Plg11°,Azm88°; N 0.53,Plg71°, Azm211°; P −4.91,Plg15°,Azm355°. Best double couple: $M_0$4.6×10^{17}Nm; NP1:ϕ_S132°,δ72°, λ−176°. NP2:ϕ_S41°,δ87°,λ−19°.							
ISC	**III**	**04 14 06 51.4**±.57	**29.70N**±.099	**68.2E**±.11	**33**	**4.0b**	**23**	**6-88**
EIDC	III	04 14 06 47.9	29.8N	68.3E	0	4.1b,4.0L		¶97iii0855
NEIC	III	04 14 06 51.3	29.76N	68.24E	33	3.9b		
BJI	III	04 14 06 55.3	29.99N	68.93E	4	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**04 19 39 25**±1.2	**29.3N**±.18	**68.6E**±.22	**33**	**3.5b**	**7**	**25-89**
EIDC	III	04 19 39 22.5	29.0N	68.4E	0	3.6b		¶97iii0909
ISC	**III**	**04 20 33 20**±2.0	**29.5N**±.11	**68.7E**±.12	**35**±18	**3.8b**	**23**	**3-88**
BJI	III	04 20 33 12.6	29.54N	67.92E	4	4.5b		¶97iii0914
EIDC	III	04 20 33 16.6	29.5N	68.7E	0	3.9b,3.9L		
NEIC	III	04 20 33 19.6	29.61N	68.75E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**III**	**05 04 15 59**±4.0	**29.6N**±.21	**68.2E**±.18	**44**±35	**3.5b**	**10**	**6-88**
NEIC	III	05 04 15 57.5	29.53N	68.18E	33	3.7b		¶97iii0977
EIDC	III	05 04 16 02.0	29.6N	68.3E	58	3.3b,3.8L		

NEIC Less reliable solution.
ISC III 05 04 22 07±4.1 **29.4N**±.21 **68.6E**±.20 **55**±34 **3.9b** **8 6-88**
NEIC III 05 04 22 03.4 29.29N 68.39E 33 3.8b **¶97iii0978**
EIDC III 05 04 22 09.8 29.5N 68.7E 71 3.6b,3.8L
NEIC Poor solution.
ISC III 05 08 40 51.8±.53 **29.76N**±.076 **68.26E**±.075 **33** **4.0b** **29 4-88**
EIDC III 05 08 40 48.7 29.7N 68.2E 0 4.1b,4.2L **¶97iii1022**
NEIC III 05 08 40 51.6 29.77N 68.32E 33 4.1b
BJI III 05 08 40 52.9 30.10N 68.14E 29 4.1b,4.7s
NEIC Less reliable solution.
ISC III 05 10 59 07.6±.82 **29.8N**±.17 **68.3E**±.20 **33** **3.8b** **7 21-88**
EIDC III 05 10 59 03.9 29.9N 68.5E 0 3.8b **¶97iii1046**
NEIC III 05 10 59 07.4 29.84N 68.38E 33
NEIC Poor solution.
ISC III 05 16 42 08±3.0 **29.6N**±.18 **68.3E**±.18 **39**±24 **3.8b** **13 3-88**
EIDC III 05 16 42 04.0 29.5N 68.2E 0 3.9b,3.3L **¶97iii1099**
NEIC III 05 16 42 07.3 29.62N 68.28E 33 4.0b
NEIC Poor solution.
ISC III 05 17 26 35±4.0 **30.5N**±.32 **67.7E**±.34 **43**±43 **3.7b** **8 6-87**
EIDC III 05 17 26 31.6 30.6N 67.7E 0 3.7b,3.9L **¶97iii1106**
NEIC III 05 17 26 33.8 30.51N 67.70E 33 3.7b
NEIC Poor solution.
ISC III 05 19 31 56±3.7 **29.8N**±.17 **68.4E**±.18 **41**±31 **3.6b** **10 6-88**
EIDC III 05 19 31 51.1 29.7N 68.3E 0 3.7b,3.9L **¶97iii1119**
NEIC III 05 19 31 54.7 29.76N 68.35E 33
NEIC Single network solution.
ISC III 06 04 13 15±2.1 **30.1N**±.39 **67.6E**±.27 **33** **3.6b** **5 6-88**
EIDC III 06 04 13 12.1 30.1N 67.6E 0 3.6b,3.8L **¶97iii1189**
NEIC III 06 04 13 14.5 30.03N 67.65E 33
NEIC Poor solution.
EIDC III 07 13 23 17.9 **30.1N** **69.6E** **0** **3.6b** **54-88**
¶97iii1521
ISC III 07 13 52 48.7±.61 **29.86N**±.093 **67.73E**±.095 **33** **3.8b** **17 6-88**
EIDC III 07 13 52 45.4 29.7N 67.6E 0 3.9b,4.2L **¶97iii1526**
NEIC III 07 13 52 48.6 29.83N 67.73E 33 3.7b
BJI III 07 13 52 53.6 30.28N 68.49E 5
NEIC Less reliable solution.
ISC III 07 18 33 01±1.5 **34.7N**±.23 **71.8E**±.19 **33** **3.7b** **9 21-83**
EIDC III 07 18 32 57.9 34.6N 71.7E 0 3.7b **¶97iii1572**
NEIC III 07 18 33 00.9 34.63N 71.76E 33
NEIC Poor solution.
ISC III 08 00 41 12±1.1 **29.1N**±.21 **69.1E**±.21 **33** **3.6b** **7 14-89**
EIDC III 08 00 41 09.5 29.1N 69.1E 0 3.6b **¶97iii1630**
NEIC III 08 00 41 11.7 29.15N 69.17E 33 3.6b
NEIC Poor solution.
ISC III 08 14 58 51.7±.70 **29.42N**±.096 **68.7E**±.10 **33** **4.0b,**3.7s **22 3-88**
EIDC III 08 14 58 48.6 29.5N 68.5E 0 4.1b,4.2L **¶97iii1772**
BJI III 08 14 58 52.0 29.40N 68.60E 33 4.4b
NEIC III 08 14 58 52.0 29.41N 68.58E 33 4.1b
NEIC Less reliable solution.
ISC III 09 06 07 44±4.8 **29.65N**±.071 **68.08E**±.069 **13**±29 **4.2b** **55 3-88**
BJI III 09 06 07 45.4 29.76N 67.96E 32 4.5b **¶97iii1917**
NEIC III 09 06 07 46.3 29.66N 68.10E 33 4.3b
MOS III 09 06 07 46.4 29.7N 68.1E 33 4.4b
EIDC III 09 06 07 53.3 29.7N 68.1E 77 3.8b
ISC III 09 06 47 58.0±.64 **29.32N**±.088 **68.78E**±.079 **33** **3.9b** **32 3-88**
BJI III 09 06 47 56.3 29.37N 68.62E 27 4.7b,4.2s **¶97iii1923**
NEIC III 09 06 47 57.8 29.24N 68.69E 33 4.4b
MOS III 09 06 48 00.8 29.7N 68.4E 33 4.6b
EIDC III 09 06 48 04.8 29.2N 68.7E 79 3.7b
NEIC Less reliable solution.
ISC III 09 08 39 49±3.4 **29.5N**±.53 **67.7E**±.26 **33** **3.7b** **9 27-88**
EIDC III 09 08 39 44.4 29.4N 67.8E 0 3.8b **¶97iii1936**
NEIC III 09 08 39 49.7 29.81N 67.80E 33 3.3b
NEIC Poor solution.
ISC III 09 18 50 06±1.9 **29.7N**±.11 **68.17E**±.075 **37**±17 **3.8b** **30 1-88**
EIDC III 09 18 50 01.7 29.7N 68.2E 0 3.9b **¶97iii2053**
BJI III 09 18 50 04.9 29.74N 68.30E 27 4.6b
NEIC III 09 18 50 05.6 29.86N 68.05E 33 3.9b
MOS III 09 18 50 08.0 30.0N 68.4E 33 4.5b
NEIC Less reliable solution.
NEIC Felt at Sibi.
ISC III 10 06 08 45.0±.52 **29.62N**±.073 **68.15E**±.062 **33** **4.3b** **45 3-88**
EIDC III 10 06 08 44.4 29.7N 68.2E 13 4.3b,4.3L **¶97iii2154**
MOS III 10 06 08 44.9 29.7N 68.3E 33 4.9b
NEIC III 10 06 08 44.9 29.59N 68.15E 33 4.6b
BJI III 10 06 08 49.4 29.80N 69.20E 5 4.4b
NEIC Less reliable solution.
ISC III 10 22 49 44±2.9 **30.4N**±.18 **68.0E**±.18 **52**±31 **3.7b** **11 6-87**
EIDC III 10 22 49 38.3 30.3N 67.9E 0 3.7b,3.9L **¶97iii2274**
NEIC III 10 22 49 41.3 30.26N 68.00E 33
NEIC Poor solution.
ISC III 11 00 15 49±2.7 **29.8N**±.13 **68.3E**±.14 **45**±25 **3.5b** **15 6-88**
BJI III 11 00 15 48.2 29.70N 68.30E 33 4.6b **¶97iii2288**
NEIC III 11 00 15 48.2 29.72N 68.20E 33
EIDC III 11 00 15 53.2 29.8N 68.2E 60 3.3b,3.9L
NEIC Less reliable solution.
EIDC III 11 09 57 08.6 **30.8N** **69.3E** **0** **4.1b** **46-87**
¶97iii2354
ISC III 11 10 48 02±1.4 **30.5N**±.19 **67.4E**±.18 **48**±4.4* **3.5b** **10 6-87**
BJI III 11 10 47 53.4 30.35N 66.58E 40 4.6b,4.3s **¶97iii2362**
NEIC III 11 10 47 58.6 30.03N 66.99E 33 3.7b
EIDC III 11 10 48 02.0 30.0N 66.8E 50 3.3b
NEIC Poor solution.
ISC III 11 23 54 43±3.2 **29.9N**±.18 **68.4E**±.14 **93**±29 **3.5b** **12 6-88**
EIDC III 11 23 54 43.8 29.8N 68.3E 79 3.4b **¶97iii2455**
ISC III 12 01 12 47±1.5 **29.6N**±.41 **68.4E**±.45 **33** **3.5b** **6 25-88**
EIDC III 12 01 12 43.6 29.8N 68.5E 0 3.6b **¶97iii2463**
NEIC III 12 01 12 46.9 29.64N 68.41E 33
NEIC Poor solution.
ISC III 12 11 22 06.3±.77 **29.3N**±.17 **66.2E**±.11 **33** **3.7b** **9 7-88**
EIDC III 12 11 22 03.0 29.3N 66.1E 0 3.8b,4.4L **¶97iii2521**
ISC III 12 16 03 23±1.2 **25.8N**±.24 **68.4E**±.25 **33** **3.7b** **5 8-80**
EIDC III 12 16 03 20.5 25.5N 68.4E 0 3.7b **¶97iii2555**
ISC III 13 01 25 56.7±.58 **29.74N**±.077 **67.92E**±.075 **33** **3.7b** **23 3-88**
EIDC III 13 01 25 56.5 29.9N 67.9E 15 3.6b,4.2L **¶97iii2622**
NEIC III 13 01 25 56.8 29.81N 67.93E 33 3.8b
BJI III 13 01 26 04.7 30.11N 68.76E 33 4.3b,4.4s
NEIC Less reliable solution.
ISC III 13 01 42 03±3.9 **30.0N**±.21 **68.2E**±.18 **49**±34 **3.6b** **9 6-88**
NEIC III 13 01 42 01.4 29.98N 68.11E 33 3.6b **¶97iii2624**
EIDC III 13 01 42 05.9 30.0N 68.2E 57 3.4b,3.9L
NEIC Less reliable solution.
ISC III 13 01 53 30±1.6 **29.98N**±.090 **68.28E**±.094 **56**±14 **4.1b,**3.4s **36 2-88**
EIDC III 13 01 53 26.7 29.9N 68.1E 18 4.0b,3.4s **¶97iii2625**
BJI III 13 01 53 27.3 29.90N 68.10E 33 4.3b,4.2s
NEIC III 13 01 53 27.3 29.96N 68.15E 33 4.0b
MOS III 13 01 53 28.6 30.0N 68.3E 33 4.5b
ISC III 13 10 48 57±8.9 **29.6N**±.14 **68.2E**±.15 **7**±52 **3.9b** **13 6-88**
EIDC III 13 10 48 57.2 29.5N 68.2E 0 3.9b,4.1L **¶97iii2686**
BJI III 13 10 49 00.3 29.70N 68.30E 33 4.2s
NEIC III 13 10 49 00.3 29.68N 68.27E 33 3.7b
NEIC Less reliable solution.
ISC III 13 13 22 25±4.1 **29.8N**±.12 **68.1E**±.10 **26**±29 **4.1b,**3.9s **30 3-145**
NEIC III 13 13 22 26.4 29.89N 68.19E 33 4.1b **¶97iii2711**
EIDC III 13 13 22 26.6 29.9N 68.2E 20 4.0b,4.2L
BJI III 13 13 22 33.3 30.20N 68.94E 33 4.3b,4.1s
NEIC Less reliable solution.
ISC III 13 20 38 12±1.2 **30.07N**±.056 **67.83E**±.033 **26**±8.9 **4.5b,4.2s** **142 1-88**
NEIC III 13 20 38 12.8 30.03N 67.82E 33 4.6b,4.6s **¶97iii2762**
MOS III 13 20 38 13.1 30.1N 68.0E 33 4.8b,4.4s
BJI III 13 20 38 13.7 30.22N 67.95E 29 4.6b,4.5s
EIDC III 13 20 38 14.9 30.0N 67.8E 33 4.3b,4.8L
NEIC Felt at Harnai.
ISC III 13 23 42 42±6.2 **29.9N**±.13 **68.1E**±.16 **25**±47 **3.8b** **14 6-88**
BJI III 13 23 42 42.6 29.90N 68.10E 33 4.3s **¶97iii2782**
NEIC III 13 23 42 42.6 29.89N 68.12E 33 3.9b
EIDC III 13 23 42 46.0 30.0N 67.9E 38 3.7b,4.1L
NEIC Less reliable solution.
ISC III 14 05 30 25±1.1 **29.6N**±.21 **68.4E**±.24 **33** **3.9b** **9 8-88**
EIDC III 14 05 30 21.4 29.6N 68.6E 0 3.9b **¶97iii2817**
ISC III 17 08 31 44±2.5 **29.9N**±.17 **68.1E**±.15 **41**±20 **4.0b** **20 3-88**
EIDC III 17 08 31 39.0 29.7N 68.1E 0 4.1b,3.8L **¶97iii3343**
BJI III 17 08 31 42.2 29.81N 68.02E 38 4.6b
NEIC III 17 08 31 42.6 29.89N 68.14E 33 4.2b
NEIC Less reliable solution.
ISC III 19 11 15 48±1.4 **30.28N**±.061 **67.93E**±.041 **16**±11 **4.4b,4.2s** **86 1-145**
EIDC III 19 11 15 49.0 30.2N 67.8E 18 4.2b,4.0s **¶97iii3694**
BJI III 19 11 15 49.5 30.41N 67.74E 35 4.4b,4.6s
NEIC III 19 11 15 50.5 30.33N 67.96E 33 4.7b
MOS III 19 11 15 52.1 30.6N 68.2E 33 4.8b,4.4s
NEIC Less reliable solution.
NEIC Felt at Quetta.
ISC III 19 19 57 13.3±.66 **34.77N**±.042 **71.58E**±.037 **64**±7.3 **4.7b** **139 1-150**
MOS III 19 19 57 10.0 34.8N 71.5E 33 5.1b,4.3s **¶97iii3758**
NEIC III 19 19 57 11.9 34.87N 71.62E 50 4.9b
BJI III 19 19 57 12.7 34.86N 71.71E 49 4.8L,4.8b
EIDC III 19 19 57 14.8 34.8N 71.5E 63 4.3b
NEIC Fifteen people killed, several injured and damage to houses in the Bajaur region. Felt at Chitral.
BJI Ms4.3
ISC III 20 00 47 31±1.3 **30.13N**±.068 **68.04E**±.058 **36**±11 **4.4b,4.1s** **77 2-88**
BJI III 20 00 47 29.9 30.31N 67.97E 26 4.3b,4.5s **¶97iii3801**
NEIC III 20 00 47 30.7 30.16N 68.05E 33 4.6b
MOS III 20 00 47 31.0 30.2N 68.2E 33 4.8b,4.3s
EIDC III 20 00 47 32.3 30.2N 68.1E 29 4.2b,4.1s
ISC III 20 03 30 17±1.1 **30.1N**±.17 **68.3E**±.13 **33** **4.0b** **14 6-88**
EIDC III 20 03 30 13.8 30.0N 68.2E 0 4.0b,3.4s **¶97iii3825**
NEIC III 20 03 30 17.3 30.14N 68.19E 33 3.7b
NEIC Poor solution.
ISC III 20 05 00 47±2.5 **30.0N**±.17 **67.8E**±.16 **55**±22 **3.8b,**3.4s **20 3-88**
EIDC III 20 05 00 41.9 29.9N 67.6E 0 3.8b,3.5s **¶97iii3840**
NEIC III 20 05 00 44.3 30.00N 67.73E 33 4.0b
NEIC Less reliable solution.
ISC III 20 08 50 41±1.6 **30.13N**±.034 **68.02E**±.023 **33**±11 **5.4b,5.7s** **441 1-145**
EIDC III 20 08 50 37.1 30.1N 68.0E 0 5.3b,5.7s **¶97iii3870**
MOS III 20 08 50 39.5 30.1N 68.1E 27 6.1b,5.6s
NEIC III 20 08 50 40.3 30.14N 68.02E 33 5.5b,5.8s
BJI III 20 08 50 40.6 30.34N 67.91E 33 5.4b,5.8s
HRVD III 20 08 50 44.7±.2 30.79N±.03 67.79E±.03 15
NEIC Mw5.9(HRV), Me5.4(GS)
NEIC Radiated energy from the P−wave first−motion solution: 2.4±0.5×10^{12}Nm/7
NEIC Mw 5.7 (GS). At least three people injured and additional damage to houses in the Harnai area. Felt at Quetta.
NEIC Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ85°,λ85°. NP2:ϕ_S300°,δ7°,λ135°. Principal axes: T Plg50°,Azm340°; P Plg40°,Azm170°. Two events about 1 second apart. Depth from synthetics of broadband displacement seismogams based on first event.
NEIC Moment tensor solution: s16, scale 10^{17}Nm; M_{rr}0.17; $M_{\theta\theta}$−0.99; $M_{\phi\phi}$0.83; $M_{r\theta}$3.67; $M_{r\phi}$1.36; $M_{\theta\phi}$1.00. Depth 18km; Principal axes: T 4.16,Plg43°,Azm322°; N −0.02,Plg19°,Azm71°; P −4.14,Plg41°,Azm178°. Best double couple: $M_0$4.1×10^{17}Nm; NP1:ϕ_S337°,δ19°,λ176°. NP2: ϕ_S70°,δ89°,λ71°.
HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s43,c69; Half duration: 2s0. Moment tensor: Scale 10^{17}Nm; M_{rr}−1.95±.09; $M_{\theta\theta}$1.90±.12; $M_{\phi\phi}$0.05±.09; $M_{r\theta}$7.62±.25; $M_{r\phi}$1.86±.20; $M_{\theta\phi}$0.49±.09. Principal Axes: T 8.13,Plg38°,Azm346°; N −0.07, Plg0°,Azm76°; P −8.05,Plg52°,Azm166°. Best double couple: $M_0$8.1×10^{17}Nm, NP1:ϕ_S76°, δ7°,λ−91°. NP2:ϕ_S256°,δ83°,λ−90°.
ISC III 20 09 03 15±3.6 **30.2N**±.15 **68.0E**±.17 **53**±31 **3.7b** **13 6-88**
EIDC III 20 09 03 12.4 30.0N 68.0E 16 3.7b,4.0L **¶97iii3873**
NEIC III 20 09 03 13.0 30.14N 67.96E 33 3.6b
NEIC Less reliable solution.
ISC III 20 09 35 36.7±.53 **30.20N**±.084 **67.93E**±.054 **33** **4.3b** **61 2-145**
BJI III 20 09 35 35.6 30.37N 67.89E 27 4.2b,4.5s **¶97iii3880**
NEIC III 20 09 35 35.8 30.11N 68.02E 33 4.7b
EIDC III 20 09 35 36.2 30.1N 68.0E 20 4.1b,4.1L
MOS III 20 09 35 36.8 30.2N 68.1E 33 4.7b
ISC III 20 10 16 47±7.1 **30.4N**±.27 **68.0E**±.22 **18**±51 **3.6b** **12 6-87**
EIDC III 20 10 16 46.5 30.4N 67.9E 0 3.6b,3.8L **¶97iii3884**
NEIC III 20 10 16 49.1 30.44N 68.02E 33 3.2b
NEIC Less reliable solution.
ISC III 20 11 17 19±2.8 **30.04N**±.076 **67.99E**±.060 **28**±20 **4.5b,4.3s** **71 3-145**
BJI III 20 11 17 19.5 30.32N 67.99E 22 4.4b,4.5s **¶97iii3889**
NEIC III 20 11 17 19.8 30.05N 68.02E 33 4.6b
MOS III 20 11 17 20.4 30.2N 68.0E 33 4.9b
EIDC III 20 11 17 21.0 30.1N 68.1E 24 4.3b,4.3s
ISC III 20 12 46 18±3.1 **30.04N**±.078 **68.04E**±.073 **21**±22 **4.2b,4.2s** **51 3-88**
BJI III 20 12 46 19.0 30.32N 67.86E 31 4.3b,4.4s **¶97iii3895**
MOS III 20 12 46 19.6 30.0N 68.1E 33 4.7b
NEIC III 20 12 46 19.7 30.09N 68.11E 33 4.4b
EIDC III 20 12 46 23.9 30.2N 68.2E 51 4.0b,4.4L

Agency	mo	Origin Time d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**III**	**20 13 11 24.4**±.85	**30.5N**±.14	**67.9E**±.14	**33**	**3.6b**	**13**	**6-87**
NEIC	III	20 13 11 24.3	30.50N	67.91E	33			¶97iii3896
EIDC	III	20 13 11 29.4	30.5N	68.2E	58	3.4b,3.8L		
NEIC	Less reliable solution.							
ISC	**III**	**20 15 59 35**±3.8	**30.1N**±.17	**68.0E**±.17	**38**±33	**3.7b**	**12**	**6-88**
EIDC	III	20 15 59 31.0	29.9N	68.0E	0	3.8b,4.1L		¶97iii3917
NEIC	III	20 15 59 34.3	30.05N	67.97E	33	3.8b		
NEIC	Less reliable solution.							
ISC	**III**	**20 19 10 00**±1.6	**30.20N**±.098	**67.95E**±.073	**40**±13	**4.1b**	**50**	**2-88**
BJI	III	20 19 09 52.9	30.38N	67.12E	19	4.6b,4.3s		¶97iii3940
MOS	III	20 19 09 58.0	30.0N	68.0E	33	4.7b		
NEIC	III	20 19 09 58.3	30.13N	67.99E	33	4.4b		
EIDC	III	20 19 09 59.5	30.2N	68.0E	25	4.0b,4.2L		
ISC	**III**	**21 04 50 48**±3.6	**30.1N**±.10	**67.89E**±.073	**26**±25	**4.2b,3.9s**	**57**	**3-145**
BJI	III	21 04 50 47.6	30.40N	67.68E	31	4.5b,4.4s		¶97iii3999
MOS	III	21 04 50 48.0	30.0N	67.9E	33	4.6b		
NEIC	III	21 04 50 48.9	30.21N	67.95E	33	4.4b		
EIDC	III	21 04 50 50.5	30.2N	68.0E	30	4.0b,3.9s		
ISC	**III**	**21 15 46 35.0**±.49	**30.13N**±.070	**67.92E**±.059	**33**	**4.1b,4.0s**	**49**	**3-145**
EIDC	III	21 15 46 30.7	29.9N	67.7E	0	4.2b,4.0s		¶97iii4095
BJI	III	21 15 46 34.3	30.35N	67.84E	27	4.1b,4.3s		
NEIC	III	21 15 46 34.8	30.08N	67.91E	33	4.4b		
MOS	III	21 15 46 35.2	30.1N	68.1E	33	4.6b		
ISC	**III**	**21 17 13 12**±3.5	**30.3N**±.21	**68.0E**±.23	**91**±31	**3.5b**	**9**	**6-87**
NEIC	III	21 17 13 05.6	30.37N	68.05E	33	3.3b		¶97iii4106
EIDC	III	21 17 13 16.9	30.5N	68.2E	117	3.2b		
NEIC	Poor solution.							
ISC	**III**	**22 06 19 53.4**±.93	**30.17N**±.075	**67.94E**±.038	**39**±7.6	**4.7b,4.5s**	**129**	**1-145**
EIDC	III	22 06 19 49.5	30.2N	67.9E	0	4.7b,5.0s		¶97iii4214
MOS	III	22 06 19 52.1	30.1N	68.1E	33	5.1b,4.5s		
NEIC	III	22 06 19 52.1	30.08N	67.93E	33	4.8b,4.7s		
BJI	III	22 06 19 52.3	30.36N	67.94E	25	4.8b,4.8s		
NEIC	Felt in the Harnai area and at Quetta.							
ISC	**III**	**22 12 36 50.6**±.68	**30.2N**±.11	**68.06E**±.095	**33**	**3.8b**	**19**	**6-145**
EIDC	III	22 12 36 47.5	30.2N	68.1E	0	3.9b,3.4L		¶97iii4261
NEIC	III	22 12 36 50.7	30.25N	68.12E	33	3.7b		
BJI	III	22 12 36 51.0	30.13N	68.23E	27	4.8b,4.0s		
NEIC	Less reliable solution.							
ISC	**III**	**22 12 53 50.3**±.44	**29.74N**±.071	**67.72E**±.049	**33**	**4.1b,3.7s**	**50**	**3-88**
MOS	III	22 12 53 50.0	29.7N	67.8E	33	4.6b		¶97iii4264
NEIC	III	22 12 53 50.0	29.76N	67.78E	33	4.3b		
BJI	III	22 12 53 50.5	29.92N	67.78E	30	4.4b,4.1s		
EIDC	III	22 12 53 52.7	29.8N	67.8E	38	3.9b,3.7s		
EIDC	**III**	**22 13 16 55.2**	**31.7N**	**69.6E**	**0**	**3.5b**		**39-86**
								¶97iii4268
ISC	**III**	**22 23 48 51**±3.1	**30.0N**±.17	**67.6E**±.15	**42**±26	**3.8b**	**22**	**6-88**
BJI	III	22 23 48 49.9	30.48N	67.77E	16	4.8b,4.2s		¶97iii4340
NEIC	III	22 23 48 50.1	29.94N	67.59E	33	3.9b		
EIDC	III	22 23 48 51.4	29.9N	67.6E	28	3.7b,3.7L		
MOS	III	22 23 48 56.5	31.0N	68.3E	33	4.3b		
NEIC	Less reliable solution.							
ISC	**III**	**23 02 40 23**±3.4	**30.3N**±.15	**68.0E**±.16	**51**±30	**3.7b**,3.4s	**15**	**6-88**
NEIC	III	23 02 40 21.5	30.28N	67.95E	33			¶97iii4369
EIDC	III	23 02 40 23.4	30.3N	67.9E	30	3.6b,3.6s		
BJI	III	23 02 40 29.6	30.84N	68.76E	5	4.6b,4.0s		
NEIC	Less reliable solution.							
ISC	**III**	**23 10 20 08**±3.7	**29.8N**±.28	**68.5E**±.24	**112**±31	**3.5b**	**7**	**6-88**
EIDC	III	23 10 20 08.4	29.8N	68.5E	91	3.3b,3.8L		¶97iii4428
ISC	**III**	**25 20 19 50**±1.4	**29.8N**±.21	**67.7E**±.17	**33**	**3.7b**	**9**	**6-88**
EIDC	III	25 20 19 45.0	29.6N	67.6E	0	3.7b,4.3L		¶97iii4781
ISC	**III**	**28 21 52 26**±1.2	**30.05N**±.087	**67.95E**±.064	**35**±9.9	**4.0b**,3.2s	**39**	**1-145**
NEIC	III	28 21 52 25.9	30.08N	67.99E	33	4.1b		¶97iii5490
BJI	III	28 21 52 26.0	30.18N	67.84E	32	4.5b,4.3s		
MOS	III	28 21 52 28.1	30.4N	68.3E	33	4.4b		
EIDC	III	28 21 52 29.5	30.1N	68.0E	48	3.8b,3.2s		
NEIC	Felt at Quetta.							
ISC	**III**	**28 22 27 41**±1.1	**30.22N**±.096	**68.00E**±.063	**41**±9.2	**4.0b**	**37**	**1-88**
BJI	III	28 22 27 38.9	30.21N	67.89E	32	4.6b		¶97iii5493
NEIC	III	28 22 27 39.9	30.23N	68.00E	33	3.9b		
MOS	III	28 22 27 41.6	30.4N	68.0E	33	4.5b		
EIDC	III	28 22 27 45.0	30.3N	68.0E	61	3.8b,4.2L		
NEIC	Less reliable solution.							
NEIC	Felt at Quetta.							
ISC	**III**	**29 17 43 44**±1.4	**29.65N**±.065	**68.66E**±.080	**48**±12	**4.1b,3.5s**	**46**	**2-145**
BJI	III	29 17 43 41.4	29.67N	68.52E	33	4.6b		¶97iii5629
NEIC	III	29 17 43 41.5	29.58N	68.64E	33	4.3b		
MOS	III	29 17 43 42.9	29.7N	68.8E	33	4.5b		
EIDC	III	29 17 43 43.2	29.5N	68.7E	33	4.0b,3.5s		
EIDC	**IV**	**03 19 24 26.2**	**35.6N**	**71.7E**	**0**	**3.6b**		**4-83**
								¶97iv0470
ISC	**IV**	**04 02 42 01**±1.3	**30.54N**±.063	**69.43E**±.093	**35**±11	**4.2b,3.5s**	**42**	**1-133**
EIDC	IV	04 02 41 57.2	30.4N	69.4E	0	4.2b,3.3s		¶97iv0532
BJI	IV	04 02 42 00.9	30.63N	69.80E	19	4.6b,3.9s		
NEIC	IV	04 02 42 00.9	30.57N	69.44E	33	4.7b		
MOS	IV	04 02 42 01.6	30.5N	69.7E	33	5.0b		
ISC	**IV**	**04 09 56 46**±2.6	**30.2N**±.14	**68.0E**±.15	**50**±19	**3.9b**,3.5s	**25**	**2-88**
BJI	IV	04 09 56 43.0	30.23N	67.89E	32			¶97iv0588
NEIC	IV	04 09 56 43.6	30.21N	67.95E	33	3.8b		
EIDC	IV	04 09 56 47.2	30.2N	68.0E	46	3.8b,3.5s		
NEIC	Less reliable solution.							
ISC	**IV**	**05 20 07 34**±4.6	**31.1N**±.68	**68.3E**±.20	**33**	**3.6b**	**8**	**5-87**
EIDC	IV	05 20 07 23.6	30.0N	68.2E	0	3.7b,3.6L		¶97iv0842
NEIC	IV	05 20 07 26.1	29.88N	68.45E	33			
NEIC	Poor solution.							
ISC	**IV**	**08 03 12 55**±2.3	**29.7N**±.35	**68.1E**±.16	**33**	**3.9b**,4.3s	**11**	**6-88**
EIDC	IV	08 03 12 50.6	29.3N	67.9E	0	3.9b,4.3L		¶97iv1268
NEIC	IV	08 03 12 54.8	29.60N	68.09E	33	3.9b		
NEIC	Poor solution.							
ISC	**IV**	**11 00 57 39.7**±.45	**25.82N**±.062	**67.65E**±.061	**33**	**4.2b,3.8s**	**47**	**6-125**
EIDC	IV	11 00 57 35.8	25.7N	67.6E	0	4.2b,3.4s		¶97iv1769
BJI	IV	11 00 57 39.4	25.92N	67.59E	30	4.5b,4.5s		
NEIC	IV	11 00 57 39.4	25.78N	67.64E	33	4.3b		
MOS	IV	11 00 57 40.5	25.8N	67.8E	33	4.7b		
ISC	**IV**	**11 03 08 26**±2.4	**29.9N**±.37	**68.4E**±.39	**33**	**3.8b**	**5**	**42-88**
EIDC	IV	11 03 08 22.0	29.8N	68.6E	0	3.8b		¶97iv1791
NEIC	IV	11 03 08 26.0	29.94N	68.35E	33			
NEIC	Poor solution.							
ISC	**IV**	**11 16 31 56**±1.1	**30.3N**±.17	**68.0E**±.14	**33**	**3.8b**,3.2s	**9**	**6-88**
EIDC	IV	11 16 31 52.5	30.1N	68.0E	0	3.9b,3.2s		¶97iv1938
NEIC	IV	11 16 31 55.7	30.22N	68.01E	33	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**13 10 35 29**±6.0	**29.4N**±.81	**69.3E**±.44	**33**	**3.8b**	**4**	**5-88**
EIDC	IV	13 10 35 22.5	29.0N	69.4E	0	3.7b,4.0L		¶97iv2224
ISC	Poorly determined							
ISC	**IV**	**13 11 27 56**±1.7	**29.00N**±.094	**69.52E**±.086	**40**±14	**4.0b,2.9s**	**39**	**3-89**
NEIC	IV	13 11 27 55.3	29.07N	69.53E	33	4.2b		¶97iv2232
BJI	IV	13 11 27 55.6	29.04N	69.52E	34	3.9s		
MOS	IV	13 11 27 58.0	29.4N	69.6E	33	4.5b		
EIDC	IV	13 11 27 58.4	29.0N	69.6E	42	3.8b,2.9s		
ISC	**IV**	**14 12 40 54**±4.3	**29.71N**±.056	**68.13E**±.092	**2**±26	**4.1b**	**37**	**3-88**
EIDC	IV	14 12 40 55.4	29.7N	68.2E	0	4.1b,4.1L		¶97iv2461
BJI	IV	14 12 40 58.4	29.74N	68.26E	34	4.9b,4.4s		
NEIC	IV	14 12 40 58.4	29.74N	68.27E	33	4.2b		
MOS	IV	14 12 40 59.2	29.7N	68.4E	33	4.5b		
ISC	**IV**	**14 13 36 50.1**±.96	**30.0N**±.16	**67.9E**±.13	**33**	**3.9b**	**12**	**6-88**
EIDC	IV	14 13 36 46.6	30.0N	67.9E	0	3.9b,3.9L		¶97iv2467
BJI	IV	14 13 36 49.9	30.10N	67.90E	33	4.3b,4.1s		
NEIC	IV	14 13 36 49.9	30.06N	67.92E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**IV**	**15 05 20 02**±3.1	**25.2N**±.53	**67.0E**±.37	**33**	**3.7b**	**7**	**30-87**
EIDC	IV	15 05 19 58.8	25.2N	66.9E	0	3.7b		¶97iv2565
ISC	**IV**	**16 00 34 12**±2.8	**30.3N**±.10	**68.1E**±.17	**60**±26	**3.9b**	**16**	**6-88**
NEIC	IV	16 00 34 08.4	30.21N	68.01E	33			¶97iv2669
EIDC	IV	16 00 34 09.0	30.2N	68.0E	20	3.9b,2.7s		
BJI	IV	16 00 34 09.2	30.52N	67.64E	20			
NEIC	Single network solution.							
ISC	**IV**	**18 05 32 18**±1.4	**29.7N**±.15	**68.0E**±.26	**33**	**3.5b**	**8**	**6-88**
EIDC	IV	18 05 32 14.3	29.5N	67.8E	0	3.6b,3.8L		¶97iv3024
NEIC	IV	18 05 32 18.4	29.75N	68.00E	33	3.5b		
NEIC	Poor solution.							
ISC	**IV**	**18 22 03 22**±6.5	**30.1N**±.16	**68.2E**±.13	**32**±46	**3.8b**	**17**	**6-88**
NEIC	IV	18 22 03 22.1	30.07N	68.18E	33			¶97iv3124
EIDC	IV	18 22 03 24.2	29.9N	68.2E	37	3.6b,4.1L		
BJI	IV	18 22 03 26.3	30.55N	68.84E	5	4.7b,4.2s		
NEIC	Single network solution.							
ISC	**IV**	**21 07 05 24**±5.9	**29.8N**±.88	**67.8E**±.30	**33**	**3.9b**	**5**	**6-88**
EIDC	IV	21 07 05 16.9	29.1N	67.8E	0	3.9b,3.8L		¶97iv3419
NEIC	IV	21 07 05 23.1	29.64N	67.80E	33			
NEIC	Poor solution.							
ISC	**IV**	**21 10 15 44.2**±.92	**25.8N**±.20	**67.8E**±.24	**33**	**3.8b**	**7**	**45-92**
EIDC	IV	21 10 15 40.9	25.7N	67.9E	0	3.8b,3.3s		¶97iv3443
NEIC	IV	21 10 15 44.1	25.80N	67.80E	33	3.7b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 15 47 56**±2.0	**29.77N**±.055	**68.20E**±.044	**28**±14	**4.5b**	**85**	**1-96**
EIDC	IV	21 15 47 53.3	29.7N	68.1E	0	4.5b,4.7L		¶97iv3525
BJI	IV	21 15 47 55.4	29.98N	68.44E	3	4.7b,4.1s		
NEIC	IV	21 15 47 56.6	29.78N	68.21E	33	4.7b		
MOS	IV	21 15 47 58.0	30.0N	68.4E	33	4.9b		
NEIC	Felt at Quetta.							
ISC	**IV**	**21 22 04 38**±3.0	**30.1N**±.16	**68.5E**±.18	**69**±27	**3.7b**	**11**	**5-88**
NEIC	IV	21 22 04 39.2	30.19N	68.51E	76			¶97iv3591
EIDC	IV	21 22 04 42.8	30.2N	68.5E	91	3.5b		
NEIC	Poor solution.							
NEIC	**IV**	**22 02 44 45.6**	**35.57N**	**71.66E**	**33**			**2-82**
EIDC	IV	22 02 44 40.2	35.1N	71.3E	0	4.1b		¶97iv3622
NEIC	Poor solution.							
ISC	**IV**	**22 18 01 37**±3.2	**29.8N**±.13	**68.5E**±.23	**75**±27	**3.6b**	**12**	**6-88**
NEIC	IV	22 18 01 30.9	29.43N	68.26E	33	3.8b		¶97iv3804
EIDC	IV	22 18 01 32.3	29.2N	68.1E	39	3.6b,4.0L		
NEIC	Less reliable solution.							
ISC	**IV**	**24 04 12 03.2**±.98	**29.8N**±.17	**68.3E**±.14	**33**	**3.6b**	**10**	**6-88**
EIDC	IV	24 04 12 00.1	29.7N	68.3E	0	3.7b,4.0L		¶97iv4079
NEIC	IV	24 04 12 03.2	29.76N	68.27E	33			
NEIC	Less reliable solution.							
ISC	**IV**	**24 20 16 18**±8.2	**30.7N**±.25	**67.9E**±.20	**30**±59	**3.7b**	**9**	**5-81**
EIDC	IV	24 20 16 15.9	30.7N	67.9E	0	3.8b,3.5L		¶97iv4202
NEIC	IV	24 20 16 18.5	30.73N	67.85E	33			
NEIC	Poor solution.							
ISC	**IV**	**25 15 48 14**±1.9	**33.5N**±.11	**71.1E**±.17	**35**±18	**3.8b**	**13**	**1-84**
EIDC	IV	25 15 48 10.7	33.5N	71.2E	0	3.9b,3.9L		¶97iv4375
NEIC	IV	25 15 48 13.6	33.52N	71.04E	33	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**25 18 07 49**±2.3	**29.8N**±.41	**68.4E**±.35	**33**	**3.9b**	**6**	**6-88**
EIDC	IV	25 18 07 46.8	29.8N	68.2E	0	4.0b,3.8L		¶97iv4390
NEIC	IV	25 18 07 49.2	29.76N	68.36E	33	3.8b		
NEIC	Poor solution.							
ISC	**IV**	**28 06 52 07**±2.9	**29.75N**±.093	**68.18E**±.079	**27**±22	**3.9b**	**24**	**1-88**
EIDC	IV	28 06 52 06.2	30.1N	68.3E	0	3.9b,4.1L		¶97iv4867
BJI	IV	28 06 52 08.3	30.25N	68.05E	11	4.7b,4.3s		
NEIC	IV	28 06 52 09.1	30.14N	68.38E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**28 23 25 51.5**±.90	**25.6N**±.16	**65.3E**±.19	**33**	**3.8b**	**9**	**26-87**
EIDC	IV	28 23 25 48.6	25.4N	65.2E	0	3.8b		¶97iv4992
NEIC	IV	28 23 25 51.5	25.57N	65.28E	33			
NEIC	Single network solution.							
ISC	**IV**	**30 16 14 41**±1.9	**30.3N**±.11	**69.9E**±.12	**51**±15	**3.6b**,3.1s	**25**	**1-87**
EIDC	IV	30 16 14 35.2	30.1N	69.9E	0	3.7b,3.1s		¶97iv5232
NEIC	IV	30 16 14 38.6	30.25N	69.93E	33	4.0b		
BJI	IV	30 16 14 44.0	30.64N	70.65E	5	4.3b		
NEIC	Less reliable solution.							
ISC	**V**	**02 03 24 38.9**±.68	**29.60N**±.096	**68.6E**±.10	**33**	**3.6b**	**16**	**6-88**
EIDC	V	02 03 24 35.7	29.6N	68.5E	0	3.7b,4.0L		¶97v0202
NEIC	V	02 03 24 38.6	29.62N	68.53E	33	3.9b		
MOS	V	02 03 24 38.9	29.5N	68.5E	33	4.6b		
BJI	V	02 03 24 41.8	29.79N	69.17E	5	4.9b,4.4s		
NEIC	Less reliable solution.							
ISC	**V**	**02 06 14 51**±1.4	**29.90N**±.066	**67.85E**±.075	**40**±13	**4.1b**,3.7s	**49**	**3-88**
BJI	V	02 06 14 50.1	29.90N	67.80E	33	5.1b,4.6s		¶97v0213
NEIC	V	02 06 14 50.1	29.92N	67.81E	33	4.3b		
MOS	V	02 06 14 50.5	29.9N	68.1E	33	4.6b		
EIDC	V	02 06 14 53.0	29.9N	67.8E	38	3.9b,4.3L		
EIDC	**V**	**04 03 47 40.6**	**32.0N**	**69.0E**	**0**	**3.7b**,3.2L		**4-86**
								¶97v0557
ISC	**V**	**04 06 16 23**±3.5	**30.4N**±.15	**68.1E**±.17	**49**±33	**3.6b**,3.6s	**11**	**5-87**
EIDC	V	04 06 16 17.8	30.3N	68.0E	0	3.7b,4.0L		¶97v0576
NEIC	V	04 06 16 21.0	30.33N	68.08E	33	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**07 03 04 50**±1.7	**29.49N**±.066	**67.60E**±.050	**15**±12	**4.1b,4.2s**	**56**	**1-144**
EIDC	V	07 03 04 49.3	29.5N	67.6E	0	3.9b,3.9s		¶97v1046
NEIC	V	07 03 04 51.7	29.50N	67.69E	33	4.5b		

MOS	V	07 03 04 52.0	29.5N	67.8E	33	4.7b		
BJI	V	07 03 04 52.5	29.89N	67.69E	23	4.9b,4.5s		
ISC	**V**	**08 14 49 29**±4.1	**30.3N**±.29	**67.7E**±.27	**40**±38	**3.7b**	**7**	**6-88**
EIDC	V	08 14 49 25.8	30.4N	67.6E	0	3.8b,4.1L		¶97v1265
NEIC	V	08 14 49 27.6	30.08N	67.73E	33			
NEIC	Poor solution.							
ISC	**V**	**10 09 05 36**±2.1	**35.6N**±.25	**71.1E**±.31	**33**	**3.8b**	**9**	**21-82**
NEIC	V	10 09 05 36.4	35.59N	71.05E	33	3.3b		¶97v1564
EIDC	V	10 09 05 54.1	36.0N	70.5E	160	3.5b		
NEIC	Poor solution.							
ISC	**V**	**11 14 28 57**±4.1	**29.7N**±.27	**68.3E**±.24	**51**±36	**3.7b**	**7**	**6-88**
NEIC	V	11 14 28 54.7	29.68N	68.27E	33	3.5b		¶97v1791
EIDC	V	11 14 28 58.1	29.7N	68.3E	46	3.5b,4.0L		
NEIC	Poor solution.							
ISC	**V**	**15 12 35 53.1**±.57	**30.10N**±.080	**68.08E**±.055	**33**	**3.9b,4.3s**	**62**	**3-88**
EIDC	V	15 12 35 45.9	29.8N	67.8E	15	3.7b,4.4L		¶97v2618
NEIC	V	15 12 35 46.9	29.93N	67.73E	33	4.5b,4.1s		
BJI	V	15 12 35 52.2	30.47N	68.04E	5	4.7b,4.5s		
MOS	V	15 12 35 52.8	30.0N	68.1E	33	4.8b,4.2s		
NEIC	Poor solution.							
ISC	**V**	**17 03 07 32.2**±.99	**29.77N**±.062	**68.22E**±.042	**34**±8.7	**4.5b,4.3s**	**121**	**1-145**
NEIC	V	17 03 07 29.1	29.78N	68.24E	13	4.6b,4.4s		¶97v2875
MOS	V	17 03 07 29.2	29.9N	68.3E	10	4.8b,4.4s		
BJI	V	17 03 07 30.2	29.82N	68.25E	13	4.9b,5.0s		
EIDC	V	17 03 07 30.3	29.7N	68.2E	11	4.4b,4.5L		
ISC	**V**	**18 11 45 46.3**±.83	**30.9N**±.15	**68.2E**±.13	**33**	**3.6b**	**12**	**5-87**
EIDC	V	18 11 45 42.6	30.8N	68.1E	0	3.6b,2.6s		¶97v3073
NEIC	V	18 11 45 46.3	30.83N	68.12E	33			
NEIC	Less reliable solution.							
ISC	**V**	**18 13 10 21.5**±.59	**29.77N**±.086	**68.41E**±.080	**33**	**3.8b,3.3s**	**33**	**3-88**
EIDC	V	18 13 10 18.9	29.8N	68.3E	0	3.9b,3.4s		¶97v3087
BJI	V	18 13 10 21.9	29.90N	68.40E	33	4.5b,4.9s		
NEIC	V	18 13 10 21.9	29.92N	68.36E	33	4.7b		
MOS	V	18 13 10 22.8	29.9N	68.5E	33	4.6b		
NEIC	Less reliable solution.							
ISC	**V**	**19 22 21 49**±6.2	**34.6N**±.14	**72.4E**±.19	**16**±49	**3.8b**	**15**	**1-83**
BJI	V	19 22 21 42.9	33.86N	72.16E	35	3.9L		¶97v3311
EIDC	V	19 22 21 47.4	34.3N	72.1E	0	3.8b,3.5L		
MOS	V	19 22 21 50.5	34.6N	72.3E	33	4.4b		
NEIC	V	19 22 21 51.4	34.67N	72.58E	33	4.0b		
NEIC	Less reliable solution.							
ISC	**V**	**24 20 32 45**±3.9	**29.8N**±.18	**68.3E**±.20	**45**±34	**3.6b**	**9**	**6-88**
EIDC	V	24 20 32 40.5	29.8N	68.3E	0	3.7b,4.4L		¶97v4169
BJI	V	24 20 32 40.9	29.89N	68.53E	2	4.3b		
NEIC	V	24 20 32 43.4	29.90N	68.21E	33	3.8b		
NEIC	Poor solution.							
ISC	**V**	**26 12 47 21.0**±.87	**25.8N**±.14	**67.6E**±.14	**33**	**3.8b**	**7**	**9-81**
EIDC	V	26 12 47 18.5	25.8N	67.3E	0	3.8b		¶97v4413
ISC	**V**	**31 18 19 29**±3.5	**29.9N**±.12	**68.19E**±.070	**20**±24	**3.8b,3.8s**	**38**	**8-88**
NEIC	V	31 18 19 29.4	29.91N	68.20E	33			¶97v5217
BJI	V	31 18 19 30.0	30.11N	67.75E	46	4.3b,4.3s		
EIDC	V	31 18 19 32.1	29.8N	68.1E	41	3.7b,3.3s		
MOS	V	31 18 19 33.3	30.4N	68.3E	33	4.5b,4.4s		
NEIC	Less reliable solution.							
ISC	**V**	**31 19 20 21.0**±.74	**34.83N**±.043	**73.61E**±.048	**57**±8.1	**4.4b,3.9s**	**84**	**1-151**
BJI	V	31 19 20 16.0	35.11N	73.84E	5	4.5L,4.6b		¶97v5226
MOS	V	31 19 20 18.4	34.8N	73.7E	33	4.9b,4.2s		
NEIC	V	31 19 20 18.6	34.89N	73.68E	33	5.0b		
EIDC	V	31 19 20 24.8	34.9N	73.6E	74	4.1b,3.3s		
ISC	**V**	**31 21 26 23**±1.7	**29.80N**±.051	**68.16E**±.038	**23**±13	**4.5b,3.8s**	**109**	**1-145**
EIDC	V	31 21 26 20.9	29.8N	68.1E	0	4.5b,3.2s		¶97v5242
NEIC	V	31 21 26 24.3	29.87N	68.18E	33	4.5b		
BJI	V	31 21 26 24.4	30.14N	68.15E	25	4.5b,4.5s		
MOS	V	31 21 26 24.5	29.9N	68.3E	33	4.9b		
ISC	**VI**	**05 03 30 09**±2.5	**29.9N**±.16	**68.3E**±.12	**65**±21	**3.9b**	**23**	**2-88**
BJI	VI	05 03 30 04.8	29.84N	68.78E	4	4.4b		¶97vi0706
NEIC	VI	05 03 30 05.9	29.71N	68.16E	33	4.1b		
EIDC	VI	05 03 30 09.8	29.8N	68.2E	54	3.7b,4.3L		
NEIC	Less reliable solution.							
ISC	**VI**	**06 10 16 21.0**±.90	**29.7N**±.18	**68.8E**±.16	**33**	**3.9b**	**8**	**7-92**
EIDC	VI	06 10 16 17.4	29.6N	68.7E	0	4.0b		¶97vi0923
NEIC	VI	06 10 16 20.6	29.81N	68.58E	33			
NEIC	Poor solution.							
ISC	**VI**	**08 00 11 56**±2.1	**30.25N**±.089	**68.0E**±.16	**56**±22	**3.6b,3.2s**	**20**	**2-88**
EIDC	VI	08 00 11 53.8	30.6N	67.6E	0	3.8b,3.3s		¶97vi1158
NEIC	VI	08 00 11 54.6	30.37N	67.85E	33	4.1b		
MOS	VI	08 00 11 55.3	30.3N	68.0E	33	4.0b		
BJI	VI	08 00 11 57.9	30.42N	68.78E	5			
NEIC	Less reliable solution.							
ISC	**VI**	**12 01 10 48.3**±.96	**30.3N**±.15	**67.84E**±.098	**33**	**3.7b**	**14**	**6-88**
BJI	VI	12 01 10 47.9	30.20N	67.90E	33	4.7b		¶97vi1780
NEIC	VI	12 01 10 47.9	30.22N	67.94E	33			
EIDC	VI	12 01 10 49.5	30.2N	67.8E	26	3.7b,3.8L		
NEIC	Single network solution.							
ISC	**VI**	**13 23 20 45**±1.1	**29.68N**±.055	**68.56E**±.035	**39**±9.2	**4.5b,4.2s**	**142**	**3-145**
NEIC	VI	13 23 20 44.5	29.72N	68.58E	33	4.7b,3.9s		¶97vi2056
EIDC	VI	13 23 20 44.6	29.5N	68.5E	24	4.3b,4.5L		
MOS	VI	13 23 20 45.2	29.8N	68.6E	33	4.9b,4.2s		
BJI	VI	13 23 20 46.0	29.87N	68.73E	30	5.0b,4.6s		
ISC	**VI**	**17 11 18 43.0**±.82	**30.12N**±.049	**68.02E**±.032	**48**±7.5	**4.6b,4.7s**	**178**	**1-145**
NEIC	VI	17 11 18 41.2	30.12N	68.03E	33	4.9b,4.5s		¶97vi2606
BJI	VI	17 11 18 41.4	30.22N	68.05E	28	4.8b,4.9s		
MOS	VI	17 11 18 42.6	30.3N	68.2E	33	5.3b,4.8s		
EIDC	VI	17 11 18 43.4	30.1N	68.0E	37	4.1b,4.3s		
HRVD	VI	17 11 18 45.4±.5	29.72N±.05	68.07E±.05	33			
NEIC	Mw5.2(HRV)							
NEIC	Felt in the Harnai-Quetta-Sibi area.							
HRVD	Centroid moment tensor solution. Data used: GSN; LP body waves: s46,c66; Half duration: 1^{s}0. Moment tensor: Scale 10^{16}Nm; M_{rr}5.23±.21; $M_{\theta\theta}$−5.71±.29; $M_{\phi\phi}$0.48±.36; $M_{r\theta}$4.28±.63; $M_{r\phi}$0.41±.72; $M_{\theta\phi}$−1.54±.27. Principal Axes: T 6.71,Plg71°,Azm3°; N 0.79, Plg5°,Azm260°; P −7.50,Plg19°,Azm168°. Best double couple: $M_0$7.1×10^{16}Nm, NP1: ϕ_S250°,δ27°,λ80°. NP2:ϕ_S82°,δ64°,λ95°.							
ISC	**VI**	**20 23 04 46**±1.2	**30.0N**±.16	**66.0E**±.12	**33**	**3.7b**	**14**	**4-88**
BJI	VI	20 23 04 39.5	30.19N	65.78E	6	4.3b,4.3s		¶97vi3121
EIDC	VI	20 23 04 40.9	29.6N	65.7E	0	3.8b		
NEIC	VI	20 23 04 43.9	29.64N	65.79E	33	4.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**21 13 10 13**±4.2	**34.9N**±.56	**71.7E**±.35	**33**	**3.9b**	**7**	**21-83**
EIDC	VI	21 13 10 08.7	34.7N	71.3E	0	3.9b		¶97vi3223
ISC	**VI**	**23 09 58 28.7**±.91	**29.4N**±.23	**69.6E**±.19	**33**	**3.6b**	**8**	**7-88**
EIDC	VI	23 09 58 25.5	29.4N	69.6E	0	3.7b		¶97vi3511
ISC	**VI**	**24 15 53 52**±5.5	**26.4N**±.31	**66.1E**±.23	**57**±40	**3.6b**	**10**	**9-142**
EIDC	VI	24 15 53 43.2	26.1N	65.7E	0	3.8b,4.9L		¶97vi3744
NEIC	VI	24 15 53 48.5	26.31N	66.03E	33			
NEIC	Poor solution.							
ISC	**VI**	**25 07 13 14**±3.5	**26.90N**±.083	**66.32E**±.080	**32**±25	**4.2b,4.0s**	**42**	**6-123**
EIDC	VI	25 07 13 09.8	26.9N	66.1E	0	4.2b,3.9s		¶97vi3864
BJI	VI	25 07 13 13.2	26.98N	66.12E	34	4.6b,4.2s		
NEIC	VI	25 07 13 13.2	26.90N	66.28E	33	4.7b		
MOS	VI	25 07 13 14.4	27.0N	66.5E	33	5.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**26 15 57 29.4**±.71	**29.4N**±.11	**68.68E**±.098	**20**	**3.7b,**3.7s	**15**	**6-82**
EIDC	VI	26 15 57 28.1	29.4N	68.6E	0	3.8b,4.0L		¶97vi4168
NEIC	VI	26 15 57 31.1	29.47N	68.72E	33			
BJI	VI	26 15 57 31.2	29.48N	68.93E	20	3.7b,3.9s		
NEIC	Less reliable solution.							

SEISMIC REGION 48.
HINDU KUSH AND PAMIR.

(713) Central Kazakhstan.

ISC	**IV**	**09 15 07 31**±1.1	**43.3N**±.15	**66.9E**±.21	**33**	**3.8b**	**8**	**14-91**
EIDC	IV	09 15 07 27.2	42.9N	66.8E	0	3.8b,3.8L		¶97iv1542
NEIC	IV	09 15 07 30.9	43.34N	66.94E	33			
NEIC	Poor solution.							
ISC	**IV**	**18 10 16 58.4**±.85	**43.0N**±.17	**66.9E**±.15	**33**	**4.0b**	**16**	**14-90**
EIDC	IV	18 10 16 55.9	43.1N	67.2E	0	4.0b,3.2s		¶97iv3060
MOS	IV	18 10 16 58.0	42.9N	66.8E	33	4.0b		
NEIC	IV	18 10 16 58.5	43.33N	67.06E	33	3.7b		
NEIC	Poor solution.							
EIDC	**V**	**26 02 20 40.0**	**44.0N**	**73.7E**	**0**	**3.4b**		**40-74**
								¶97v4353

(715) Tadzhikistan.

ISC	**I**	**03 03 11 22**±2.1	**38.6N**±.10	**72.1E**±.18	**67**±23	**3.6b**	**14**	**5-82**
NEIC	I	03 03 11 22.2	38.62N	72.17E	68			¶97i0307
EIDC	I	03 03 11 25.3	38.5N	72.2E	82	3.5b,4.2L		
NEIC	Less reliable solution.							
ISC	**I**	**07 19 04 13**±2.3	**37.4N**±.21	**72.1E**±.18	**184**±36	**3.7b**	**22**	**4-44**
EIDC	I	07 19 04 02.9	37.9N	70.8E	0	3.9b,5.3L		¶97i0967
NEIC	I	07 19 04 09.4	37.87N	71.68E	100	3.9b		
NEIC	Less reliable solution.							
ISC	**I**	**13 11 23 30**±2.0	**38.68N**±.098	**72.0E**±.18	**70**±21	**3.7b**	**16**	**5-85**
NEIC	I	13 11 23 32.9	38.64N	72.02E	100			¶97i1829
EIDC	I	13 11 23 33.4	38.6N	71.8E	85	3.6b		
NEIC	Single network solution.							
ISC	**I**	**18 23 22 42.4**±.44	**38.18N**±.084	**68.63E**±.097	**83**	**3.7b**	**32**	**6-87**
NEIC	I	18 23 22 39.5	38.46N	68.43E	33	3.3b		¶97i2736
EIDC	I	18 23 22 45.7	38.3N	68.5E	83	3.5b,4.2L		
NEIC	Less reliable solution.							
ISC	**I**	**19 01 51 45**±2.6	**37.4N**±.17	**72.8E**±.15	**109**±38	**3.3b**	**22**	**4-80**
EIDC	I	19 01 51 52.1	36.5N	73.2E	244	3.0b		¶97i2762
BJI	**I**	**20 17 09 20.8**	**37.13N**	**72.37E**	**164**			¶97i3049
ISC	**I**	**27 01 35 00**±3.4	**37.9N**±.39	**73.5E**±.32	**215**±54	**3.6b**	**13**	**4-80**
NEIC	I	27 01 34 59.4	38.01N	73.40E	200	3.7b		¶97i4030
EIDC	I	27 01 35 02.4	37.7N	73.1E	230	3.3b		
NEIC	Less reliable solution.							
ISC	**I**	**27 05 28 00**±2.6	**37.2N**±.43	**72.1E**±.23	**244**±50	**3.5b**	**11**	**4-81**
NEIC	I	27 05 28 00.2	37.14N	72.03E	250			¶97i4051
EIDC	I	27 05 28 02.6	36.8N	72.0E	276	3.3b		
NEIC	Single network solution.							
ISC	**II**	**16 10 07 23.3**±.97	**37.8N**±.16	**72.2E**±.47	**33**	**3.9b**	**7**	**4-80**
NEIC	II	16 10 07 23.2	37.79N	72.20E	33			¶97ii2362
EIDC	II	16 10 07 30.3	37.3N	71.9E	107	3.6b,3.5L		
NEIC	Poor solution.							
ISC	**II**	**20 19 54 07.8**±.76	**37.06N**±.050	**72.76E**±.084	**73**±9.2	**4.0b**	**37**	**3-83**
MOS	II	20 19 54 08.4	37.1N	73.4E	76	4.6b		¶97ii2970
NEIC	II	20 19 54 08.4	37.03N	72.75E	79	4.3b		
EIDC	II	20 19 54 10.3	36.9N	72.6E	87	3.7b		
BJI	II	20 19 54 13.9	37.29N	73.47E	90	4.3b		
ISC	**II**	**22 10 16 35**±1.0	**39.24N**±.052	**71.65E**±.062	**63**±12	**4.2b**	**60**	**3-85**
MOS	II	22 10 16 32.7	39.3N	71.6E	33	4.8b		¶97ii3191
BJI	II	22 10 16 36.4	38.96N	71.70E	85	4.3b,4.4s		
NEIC	II	22 10 16 37.6	39.17N	71.65E	90	4.5b		
EIDC	II	22 10 16 38.7	39.1N	71.6E	88	3.9b		
ISC	**II**	**22 18 42 37**±1.4	**38.0N**±.10	**72.9E**±.19	**148**±19	**3.8b**	**13**	**3-80**
NEIC	II	22 18 42 40.3	37.79N	72.99E	200	3.4b		¶97ii3231
EIDC	II	22 18 42 40.6	37.8N	72.8E	175	3.6b		
BJI	II	22 18 42 43.1	38.22N	73.70E	200			
NEIC	Less reliable solution.							
ISC	**III**	**08 05 52 24**±1.2	**37.8N**±.10	**72.6E**±.15	**159**±14	**3.7b**	**14**	**3-84**
BJI	III	08 05 52 21.5	37.41N	72.73E	146			¶97iii1678
NEIC	III	08 05 52 24.2	37.82N	72.66E	163			
EIDC	III	08 05 52 25.9	37.7N	72.6E	166	3.4b		
NEIC	Less reliable solution.							
ISC	**III**	**26 19 05 49**±1.4	**37.53N**±.090	**72.2E**±.21	**181**±14	**3.4b**	**12**	**4-84**
BJI	III	26 19 05 46.9	37.46N	72.19E	168	3.9b		¶97iii5057
NEIC	III	26 19 05 48.9	37.51N	72.24E	185	3.4b		
EIDC	III	26 19 05 50.9	37.4N	71.9E	198	3.1b		
NEIC	Poor solution.							
ISC	**III**	**27 01 09 40**±7.0	**39.7N**±.37	**70.1E**±.17	**75**±52	**3.9b**	**14**	**17-97**
MOS	III	27 01 09 34.9	39.7N	70.3E	31	4.4b		¶97iii5107
EIDC	III	27 01 09 56.1	40.4N	69.6E	160	3.5b		
ISC	**IV**	**07 22 01 38**±1.3	**37.9N**±.10	**72.9E**±.22	**167**±20	**3.7b**	**15**	**3-80**
MOS	IV	07 22 01 35.6	38.1N	73.1E	135	4.1b		¶97iv1237
BJI	IV	07 22 01 37.3	37.88N	72.93E	168			
NEIC	IV	07 22 01 38.0	37.86N	72.98E	171	3.7b		
EIDC	IV	07 22 01 39.9	37.7N	72.5E	172	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**09 10 29 08**±1.4	**38.2N**±.10	**72.9E**±.20	**134**±18	**3.5b**	**12**	**3-82**
BJI	IV	09 10 29 06.7	37.50N	73.35E	20	3.9L,3.9b		¶97iv1499
NEIC	IV	09 10 29 07.8	38.20N	72.86E	129			
EIDC	IV	09 10 29 10.4	38.1N	72.8E	138	3.4b		
NEIC	Single network solution.							
ISC	**IV**	**11 15 56 20.7**±.57	**37.22N**±.062	**72.25E**±.087	**246**±8.5	**3.8b**	**47**	**3-151**
MOS	IV	11 15 56 20.6	37.2N	72.2E	244	4.1b		¶97iv1932
BJI	IV	11 15 56 20.8	37.28N	72.29E	246			
NEIC	IV	11 15 56 20.8	37.18N	72.22E	256	3.9b		
EIDC	IV	11 15 56 22.4	36.9N	72.0E	257	3.4b		

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**IV**	**15 21 03 51.1**	**40.4N**	**71.7E**	**0**	3.4b,4.0L		**7-77**
								¶97iv2648
ISC	**IV**	**23 15 17 54**±2.6	**38.1N**±.20	**72.7E**±.27	**127**±37	**3.8b**	**8**	**4-80**
NEIC	IV	23 15 17 55.3	38.00N	72.71E	150			**¶97iv3984**
EIDC	IV	23 15 17 57.7	37.8N	72.3E	161	3.5b		
NEIC		Single network solution.						
ISC	**IV**	**24 07 01 58**±1.8	**38.4N**±.10	**72.0E**±.20	**104**±22	**3.8b**	**11**	**3-79**
NEIC	IV	24 07 01 57.4	38.44N	72.05E	100			**¶97iv4095**
EIDC	IV	24 07 02 00.4	38.3N	71.9E	112	3.5b		
BJI	IV	24 07 02 25.8	38.50N	75.09E	80	3.9b		
NEIC		Single network solution.						
ISC	**IV**	**25 15 03 46**±1.9	**37.2N**±.14	**72.7E**±.32	**176**±26	**3.4b**	**9**	**4-81**
NEIC	IV	25 15 03 48.7	36.56N	72.93E	255			**¶97iv4367**
EIDC	IV	25 15 03 50.2	36.6N	72.7E	241	3.0b		
NEIC		Poor solution.						
ISC	**V**	**08 08 49 27**±2.0	**39.3N**±.11	**70.7E**±.15	**46**±24	**3.7b**	**15**	**6-78**
MOS	V	08 08 49 25.6	39.3N	70.4E	33	4.4b		**¶97v1208**
NEIC	V	08 08 49 27.3	39.28N	70.80E	50			
EIDC	V	08 08 49 31.1	39.1N	70.8E	74	3.4b,4.2L		
NEIC		Less reliable solution.						
ISC	**V**	**12 14 54 38**±1.6	**37.3N**±.17	**72.2E**±.23	**228**±26	**3.6b**	**12**	**4-73**
NEIC	V	12 14 54 36.2	37.47N	72.22E	200			**¶97v1985**
MOS	V	12 14 54 37.9	37.3N	72.2E	229	4.0b		
EIDC	V	12 14 54 38.9	37.3N	71.9E	214	3.4b		
NEIC		Less reliable solution.						
ISC	**V**	**18 01 14 03**±2.7	**37.5N**±.31	**72.3E**±.37	**202**±51	**3.4b**	**8**	**4-80**
NEIC	V	18 01 14 03.0	37.49N	72.33E	200			**¶97v3009**
EIDC	V	18 01 14 06.5	37.1N	72.3E	232	3.2b		
NEIC		Single network solution.						
ISC	**V**	**21 13 27 00**±2.9	**37.5N**±.34	**72.4E**±.39	**195**±56	**3.7b**	**8**	**4-80**
NEIC	V	21 13 26 57.2	37.76N	72.24E	150	3.0b		**¶97v3561**
EIDC	V	21 13 27 03.9	35.8N	73.6E	399	3.5b		
NEIC		Less reliable solution.						
ISC	**V**	**23 18 57 16.4**±.71	**37.63N**±.048	**72.08E**±.096	**130**±9.2	**3.7b**	**35**	**4-82**
MOS	V	23 18 57 16.1	37.6N	72.1E	130	4.4b		**¶97v3986**
NEIC	V	23 18 57 18.2	37.57N	72.16E	150	3.6b		
EIDC	V	23 18 57 20.1	37.4N	72.3E	158	3.5b		
BJI	V	23 18 57 23.1	38.40N	72.23E	178	4.5b		
NEIC		Less reliable solution.						
ISC	**V**	**31 20 44 46**±3.0	**39.4N**±.36	**71.0E**±.19	**124**±36	**3.6b**	**11**	**10-45**
EIDC	V	31 20 44 48.9	39.1N	70.9E	160	3.3b		**¶97v5238**
BJI	**VI**	**12 01 38 46.3**	**37.78N**	**73.09E**	**150**			**¶97vi1787**
EIDC	**VI**	**21 14 00 19.3**	**39.5N**	**68.4E**	**0**	**3.7b**,4.4L		**18-56**
								¶97vi3230
ISC	**VI**	**24 00 47 57**±1.3	**38.58N**±.063	**69.6E**±.10	**42**±15	**3.9b**	**25**	**5-86**
BJI	VI	24 00 47 55.1	38.54N	69.67E	23	4.3L		**¶97vi3614**
NEIC	VI	24 00 47 56.3	38.66N	69.73E	33	4.1b		
MOS	VI	24 00 47 57.5	38.7N	69.6E	33	4.4b		
EIDC	VI	24 00 48 05.6	38.5N	69.5E	107	3.5b,3.2s		
NEIC		Less reliable solution.						

(716) Kirgiziya.

ISC	**I**	**09 13 43 30.8**±.10	**41.02N**±.022	**74.32E**±.020	**16**	**5.6b,5.8s**	**625**	**2-149**
MOS	I	09 13 43 31.4	41.2N	74.2E	16	6.0b,5.9s		**¶97i1225**
NEIC	I	09 13 43 31.5	41.03N	74.28E	22	5.7b,5.8s		
BJI	I	09 13 43 31.9	41.25N	74.31E	26	5.7b,6.0s		
EIDC	I	09 13 43 32.1	40.9N	74.2E	21	5.2b,5.6s		
HRVD	I	09 13 43 35.3±.2	41.00N±.02	74.16E±.03	15			

CSEM Mw5.8. M_0=5.8±1.3×10^{17}Nm. Fault plane solution. NP1:ϕ_S101°,δ48°,λ84°. NP2:ϕ_S290°, δ42°,λ97°. Principal axes: T Plg85°,Azm318°; N Plg4°,Azm105°; P Plg3°,Azm951°

MOS Felt I=VII MSK at Kosh−Tebe; I=VI at Kazarman; I=V at Min−Kush; I=IV at Uzgen, Dzhalal−Abad, Naryn, Sufi−Kurgan, Talas, Osh; I=III at Bishkek, Alma−Ata.

MOS M_0=7.8×10^{17}Nm. Fault plane solution. NP1:ϕ_S258°,δ35°,λ65°. NP2:ϕ_S108°,δ59°,λ107°. Principal axes: T Plg71°,Azm56°; N Plg14°,Azm279°; P Plg12°,Azm186°

NEIC Mw5.9(OBN), Me5.6(GS)

NEIC Radiated energy from the P−wave first−motion solution: 5.6±1.2×10^{12}Nm/11

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S85°,δ55°,λ90°. NP2:ϕ_S265°,δ35°,λ90°. Principal axes: T Plg80°,Azm355°; P Plg10°,Azm175°. Depth from synthetics of broadband displacement seismograms.

NEIC Mw 5.8 (HRV), 5.7 (GS). At least 10 houses destroyed and 400 others damaged in the Dzhergetal area. Felt I=VII MM at Koshtebe;

NEIC Moment tensor solution: s28, scale 10^{17}Nm; M_{rr}3.86; $M_{\theta\theta}$−3.93; $M_{\phi\phi}$0.07; $M_{r\theta}$1.17; $M_{r\phi}$0.49; $M_{\theta\phi}$0.57. Depth 14km; Principal axes: T 4.11,Plg78°,Azm317°; N 0.04,Plg9°,Azm96°; P −4.16,Plg8°,Azm187°. Best double couple: $M_0$4.1×10^{17}Nm; NP1:ϕ_S287°,δ38°,λ105°. NP2: ϕ_S89°,δ53°,λ79°.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s41,c75; Half duration: 1s9. Moment tensor: Scale 10^{17}Nm; M_{rr}4.99±.08; $M_{\theta\theta}$−4.49±.10; $M_{\phi\phi}$−0.50±.10; $M_{r\theta}$2.59±.31; $M_{r\phi}$1.81±.29; $M_{\theta\phi}$−0.11±.09. Principal Axes: T 6.10,Plg70°,Azm312°; N −0.88, Plg12°,Azm79°; P −5.22,Plg15°,Azm173°. Best double couple: $M_0$5.7×10^{17}Nm, NP1: ϕ_S280°,δ32°,λ114°. NP2:ϕ_S72°,δ61°,λ76°.

ISC	**III**	**05 09 35 11.2**±.69	**41.22N**±.033	**75.77E**±.037	**42**±6.8	**4.7b,4.3s**	**161**	**0-155**
MOS	III	05 09 35 09.9	41.3N	75.8E	25	5.2b,4.7s		**¶97iii1030**
BJI	III	05 09 35 09.9	41.43N	75.77E	32	5.2L,4.8b		
NEIC	III	05 09 35 10.2	41.20N	75.73E	33	4.8b,4.8s		
EIDC	III	05 09 35 15.3	41.2N	75.8E	69	4.4b,4.2s		
MOS		Felt I=IV−V MSK at Ak−Muz, Pogranichnik, Taldi−Suuz ; I=IV at Naryn; I=III at Bishkek; I=II−III at Alma−Ata.						
BJI		Ms4.5						
ISC	**III**	**09 03 43 42**±1.3	**40.67N**±.084	**73.2E**±.15	**73**±16	**3.7b**	**16**	**2-77**
EIDC	III	09 03 43 33.2	40.5N	73.3E	0	3.8b		**¶97iii1899**
BJI	III	09 03 43 37.2	41.05N	72.92E	31	4.1L,3.9b		
NEIC	III	09 03 43 38.2	40.82N	73.21E	33	3.6b		
MOS	III	09 03 43 39.3	40.8N	72.7E	33	4.1b		
NEIC		Less reliable solution.						
ISC	**III**	**30 20 53 52**±1.1	**41.34N**±.058	**73.12E**±.096	**60**±12	**3.8b**	**31**	**3-86**
NEIC	III	30 20 53 48.5	41.41N	73.22E	33	4.1b		**¶97iii5804**
EIDC	III	30 20 53 49.1	41.5N	73.4E	22	3.7b,4.5L		
MOS	III	30 20 53 49.4	41.4N	73.0E	33	4.3b		
ISC	**IV**	**07 13 18 37**±1.5	**39.51N**±.090	**73.0E**±.13	**62**±17	**4.2b**	**25**	**2-82**
BJI	IV	07 13 18 33.8	39.43N	72.81E	60	3.6L		**¶97iv1167**
MOS	IV	07 13 18 34.1	39.6N	72.8E	33	5.1b		
NEIC	IV	07 13 18 36.6	39.52N	73.03E	60			
EIDC	IV	07 13 18 40.6	39.4N	72.9E	87	4.0b		
NEIC		Less reliable solution.						
ISC	**IV**	**11 07 45 42.5**±.95	**39.7N**±.12	**72.7E**±.46	**50**	**3.5b**	**7**	**6-78**
EIDC	IV	11 07 45 38.1	39.9N	72.9E	0	3.6b,4.3L		**¶97iv1832**
NEIC	IV	11 07 45 42.3	39.75N	72.68E	50			
NEIC		Less reliable solution.						
ISC	**IV**	**12 11 40 57**±1.9	**43.0N**±.14	**74.8E**±.76	**33**	**3.8b**	**4**	**9-75**
EIDC	IV	12 11 40 54.3	43.1N	75.1E	0	3.8b,4.5L		**¶97iv2059**
ISC		Poorly determined						
EIDC	**IV**	**21 12 00 59.7**	**40.6N**	**72.4E**	**0**	**3.6b**,4.3L		**16-77**
								¶97iv3457
EIDC	**VI**	**14 00 20 34.6**	**40.8N**	**72.9E**	**0**	**3.7b**		**35-70**
								¶97vi2061

(717) Afghanistan-USSR border region.

ISC	**I**	**09 03 01 07**±1.2	**36.9N**±.36	**71.7E**±.48	**150**	**3.5b**	**16**	**11-81**
EIDC	I	09 03 00 50.0	37.1N	72.6E	0	3.8b		**¶97i1158**
ISC	**I**	**11 08 38 22.8**±.64	**36.51N**±.063	**71.05E**±.078	**214**±7.7	**4.0b**	**52**	**3-95**
NEIC	I	11 08 38 21.5	36.57N	71.05E	212	4.5b		**¶97i1494**
BJI	I	11 08 38 23.0	36.50N	71.06E	225	4.2b		
MOS	I	11 08 38 23.3	36.6N	71.4E	218	4.5b		
EIDC	I	11 08 38 23.9	36.4N	71.0E	217	3.7b		
NEIC		Less reliable solution.						
ISC	**I**	**13 04 23 05**±1.6	**36.4N**±.13	**71.4E**±.11	**98**±22	**3.6b**	**26**	**3-81**
NEIC	I	13 04 23 02.6	36.63N	71.04E	50			**¶97i1777**
EIDC	I	13 04 23 06.4	36.2N	70.6E	87	3.4b		
NEIC		Single network solution.						
ISC	**I**	**13 16 14 15**±2.9	**37.0N**±.15	**71.5E**±.21	**88**±33	**3.7b**	**24**	**4-84**
NEIC	I	13 16 14 21.2	36.86N	71.35E	150	3.2b		**¶97i1867**
EIDC	I	13 16 14 22.0	36.8N	71.4E	144	3.4b		
NEIC		Less reliable solution.						
ISC	**I**	**17 05 13 39.3**±.78	**36.5N**±.13	**71.0E**±.12	**242**±13	**3.7b**	**34**	**3-84**
NEIC	I	17 05 13 39.8	36.52N	71.03E	250	3.5b		**¶97i2403**
EIDC	I	17 05 13 40.2	36.3N	70.9E	246	3.4b		
NEIC		Less reliable solution.						
ISC	**I**	**18 07 38 28.4**±.95	**36.47N**±.066	**71.65E**±.054	**115**±12	**4.2b**	**79**	**3-84**
BJI	I	18 07 38 27.1	36.34N	71.44E	98	4.3b		**¶97i2627**
NEIC	I	18 07 38 27.3	36.53N	71.39E	93	4.4b		
EIDC	I	18 07 38 29.5	36.5N	71.2E	95	3.8b		
MOS	I	18 07 38 29.8	36.5N	71.5E	121	4.1b		
ISC	**I**	**18 16 27 54.2**±.89	**38.82N**±.043	**70.56E**±.057	**57**±9.6	**4.2b**,3.8s	**79**	**4-150**
BJI	I	18 16 27 45.8	38.56N	69.98E	20	4.4L,4.5b		**¶97i2686**
NEIC	I	18 16 27 51.5	38.86N	70.52E	33	4.6b		
MOS	I	18 16 27 52.5	38.8N	70.6E	33	4.7b,4.1s		
EIDC	I	18 16 27 56.1	38.8N	70.5E	55	3.8b,4.5L		
ISC	**I**	**19 13 00 15**±1.2	**36.52N**±.086	**71.0E**±.13	**221**±14	**3.5b**	**27**	**3-150**
BJI	I	19 13 00 14.9	36.58N	71.17E	228			**¶97i2844**
NEIC	I	19 13 00 15.8	36.49N	71.06E	234	3.2b		
EIDC	I	19 13 00 16.4	36.4N	70.9E	223	3.3b		
NEIC		Less reliable solution.						
ISC	**I**	**24 00 59 04.2**±.80	**36.59N**±.051	**71.31E**±.074	**204**±9.5	**3.8b**	**71**	**3-150**
BJI	I	24 00 59 04.7	36.92N	71.22E	185			**¶97i3575**
MOS	I	24 00 59 05.0	36.8N	71.3E	202	3.8b		
NEIC	I	24 00 59 05.2	36.61N	71.33E	214	3.9b		
EIDC	I	24 00 59 06.4	36.5N	71.2E	213	3.6b		
EIDC	**I**	**25 00 27 01.4**	**38.0N**	**68.2E**	**0**	**3.7b**,2.8L		**8-87**
								¶97i3712
ISC	**I**	**26 11 26 15**±1.6	**36.5N**±.19	**71.1E**±.27	**255**±20	**3.6b**	**9**	**3-84**
NEIC	I	26 11 26 15.0	36.53N	71.05E	250	3.4b		**¶97i3934**
EIDC	I	26 11 26 16.4	36.5N	71.2E	251	3.4b		
NEIC		Less reliable solution.						
ISC	**I**	**26 13 35 01.8**±.90	**36.30N**±.073	**71.1E**±.11	**117**±11	**3.8b**	**24**	**3-84**
BJI	I	26 13 34 59.4	36.34N	71.11E	92	3.8b		**¶97i3949**
NEIC	I	26 13 35 00.2	36.34N	71.12E	100	4.2b		
EIDC	I	26 13 35 02.5	36.4N	71.2E	109	3.5b		
NEIC		Less reliable solution.						
ISC	**I**	**28 10 17 01.4**±.80	**37.3N**±.15	**71.3E**±.28	**100**	**3.7b**	**9**	**4-80**
NEIC	I	28 10 17 01.4	37.34N	71.29E	100	3.1b		**¶97i4198**
EIDC	I	28 10 17 03.0	37.3N	71.4E	99	3.4b		
NEIC		Less reliable solution.						
ISC	**I**	**30 17 44 21.1**±.80	**37.15N**±.064	**71.63E**±.081	**140**±10	**3.9b**	**34**	**3-84**
MOS	I	30 17 44 20.5	37.4N	71.8E	117	4.4b		**¶97i4518**
NEIC	I	30 17 44 20.6	37.18N	71.64E	133	4.2b		
BJI	I	30 17 44 21.2	37.39N	71.53E	145	4.7b		
EIDC	I	30 17 44 22.2	37.2N	71.7E	135	3.5b		
NEIC		Less reliable solution.						
ISC	**I**	**30 18 01 32**±1.1	**36.5N**±.22	**71.3E**±.30	**150**	**3.4b**	**9**	**30-84**
NEIC	I	30 18 01 31.6	36.54N	71.35E	150	3.5b		**¶97i4519**
EIDC	I	30 18 01 34.7	36.5N	71.3E	165	3.2b		
NEIC		Poor solution.						
ISC	**II**	**08 06 34 07**±1.0	**36.5N**±.11	**71.5E**±.11	**177**±16	**3.7b**	**36**	**3-82**
NEIC	II	08 06 34 06.9	36.53N	71.40E	174	3.1b		**¶97ii1106**
EIDC	II	08 06 34 08.9	36.4N	71.3E	178	3.4b		
NEIC		Less reliable solution.						
ISC	**II**	**21 02 59 13.9**±.65	**36.53N**±.071	**71.1E**±.11	**237**±8.9	**3.9b**	**30**	**3-84**
NEIC	II	21 02 59 04.8	36.37N	71.04E	150	4.1b		**¶97ii3006**
BJI	II	21 02 59 07.4	36.44N	70.69E	167			
MOS	II	21 02 59 13.2	36.7N	71.3E	223	4.5b		
EIDC	II	21 02 59 14.9	36.3N	71.1E	237	3.7b		
NEIC		Less reliable solution.						
ISC	**II**	**22 05 38 05.3**±.92	**36.5N**±.11	**71.2E**±.12	**223**±14	**3.4b**	**22**	**3-84**
NEIC	II	22 05 38 04.7	36.43N	71.09E	218	3.2b		**¶97ii3174**
EIDC	II	22 05 38 06.6	36.3N	71.0E	222	3.2b		
NEIC		Less reliable solution.						
ISC	**II**	**25 15 50 04**±1.4	**38.31N**±.075	**71.26E**±.097	**46**±17	**3.8b**	**25**	**4-85**
BJI	II	25 15 50 00.4	38.84N	70.66E	60	4.2L,3.8b		**¶97ii3652**
NEIC	II	25 15 50 02.5	38.37N	71.30E	33	3.7b		
MOS	II	25 15 50 02.8	38.3N	71.3E	33	4.6b		
EIDC	II	25 15 50 05.9	38.3N	71.3E	47	3.5b,4.2L		
NEIC		Less reliable solution.						
ISC	**II**	**25 15 59 21**±1.1	**38.25N**±.067	**71.36E**±.090	**60**±14	**3.9b**	**32**	**4-99**
BJI	II	25 15 59 17.5	37.99N	71.27E	46	4.2L,3.7b		**¶97ii3655**
NEIC	II	25 15 59 18.2	38.32N	71.32E	33	4.0b		
MOS	II	25 15 59 18.4	38.3N	71.4E	33	4.5b		
EIDC	II	25 15 59 22.9	38.2N	71.2E	61	3.7b		
ISC	**III**	**06 03 48 16.1**±.95	**36.6N**±.18	**72.3E**±.51	**100**	**3.5b**	**6**	**3-81**
EIDC	III	06 03 48 07.5	37.2N	73.3E	0	3.7b,3.2L		**¶97iii1183**
NEIC	III	06 03 48 16.1	36.63N	72.33E	100			
NEIC		Poor solution.						
ISC	**III**	**08 09 33 37**±3.8	**36.5N**±.29	**71.0E**±.29	**225**±29	**3.5b**	**14**	**5-84**
EIDC	III	08 09 33 12.8	36.6N	71.7E	0	4.0b		**¶97iii1724**
MOS	III	08 09 33 16.0	36.6N	71.7E	33	4.0b		
NEIC	III	08 09 33 16.3	36.71N	71.75E	33	3.7b		
NEIC		Poor solution.						

ISC	**III**	**16 00 45 03**±1.2	**37.65N**±.075	**71.7E**±.12	**59**±15	**3.7b**	**23**	**4-84**
BJI	III	16 00 44 52.1	37.13N	70.96E	4	4.3L,4.0b		**¶97iii3140**
MOS	III	16 00 45 00.7	37.6N	71.5E	33	4.9b		
NEIC	III	16 00 45 00.8	37.74N	71.75E	33	4.0b		
EIDC	III	16 00 45 04.0	37.6N	71.8E	60	3.3b		
NEIC	Less reliable solution.							
ISC	**III**	**16 12 11 01**±2.8	**36.4N**±.30	**71.4E**±.23	**127**±46	**3.5b**	**10**	**3-81**
NEIC	III	16 12 11 02.4	36.22N	71.45E	150			**¶97iii3220**
EIDC	III	16 12 11 02.5	36.2N	71.1E	123	3.3b		
NEIC	Single network solution.							
ISC	**III**	**17 06 53 42**±2.3	**36.5N**±.22	**71.2E**±.36	**210**±40	**3.3b**	**8**	**3-81**
EIDC	III	17 06 53 42.8	36.5N	71.1E	200	3.2b		**¶97iii3335**
ISC	**III**	**23 09 28 57**±3.2	**36.2N**±.35	**71.4E**±.27	**130**±55	**3.3b**	**8**	**3-82**
NEIC	III	23 09 28 54.9	36.34N	71.28E	100			**¶97iii4424**
EIDC	III	23 09 28 59.7	35.8N	71.4E	173	3.1b		
NEIC	Less reliable solution.							
ISC	**III**	**25 06 04 12.1**±.97	**36.3N**±.16	**71.2E**±.27	**33**	**3.6b**	**7**	**3-45**
EIDC	III	25 06 04 09.5	36.1N	70.6E	0	3.8b,3.2L		**¶97iii4683**
NEIC	III	25 06 04 12.0	36.28N	71.20E	33			
NEIC	Single network solution.							
BJI	**III**	**25 22 39 57.3**	**38.63N**	**70.40E**	**5**	**3.8L,5.0b**		**¶97iii4806**
ISC	**III**	**27 11 34 22**±1.1	**37.3N**±.14	**71.9E**±.37	**150**	**3.5b**	**5**	**4-80**
NEIC	III	27 11 34 22.4	37.28N	71.95E	150			**¶97iii5209**
EIDC	III	27 11 34 26.0	36.9N	71.8E	190	3.3b		
NEIC	Less reliable solution.							
ISC	**III**	**30 23 41 46**±1.7	**36.31N**±.094	**71.2E**±.19	**145**±16	**3.5b**	**13**	**3-150**
NEIC	III	30 23 41 46.1	36.21N	71.01E	150	3.2b		**¶97iii5819**
EIDC	III	30 23 41 46.4	36.4N	71.3E	131	3.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**09 09 49 29**±1.3	**36.4N**±.13	**71.1E**±.27	**175**±15	**3.5b**	**13**	**3-84**
EIDC	IV	09 09 49 28.8	36.2N	70.7E	171	3.3b		**¶97iv1493**
NEIC	IV	09 09 49 29.0	36.41N	71.01E	172	4.0b		
NEIC	Poor solution.							
ISC	**IV**	**09 18 01 51.7**±.95	**36.55N**±.071	**71.0E**±.10	**109**±12	**3.9b**	**28**	**3-84**
MOS	IV	09 18 01 50.9	36.8N	71.3E	89	4.5b		**¶97iv1563**
BJI	IV	09 18 01 51.5	36.54N	71.02E	115	3.6b		
NEIC	IV	09 18 01 51.6	36.64N	71.12E	104	4.3b		
EIDC	IV	09 18 01 54.0	36.5N	71.0E	115	3.6b		
NEIC	Less reliable solution.							
ISC	**IV**	**10 18 01 56**±1.2	**36.3N**±.12	**71.3E**±.14	**142**±15	**3.6b**	**19**	**2-84**
MOS	IV	10 18 01 48.6	37.3N	73.9E	32	4.1b		**¶97iv1722**
NEIC	IV	10 18 01 54.7	36.18N	71.22E	134			
BJI	IV	10 18 01 55.6	36.37N	71.91E	134	3.9b		
EIDC	IV	10 18 01 56.2	36.3N	71.3E	130	3.4b		
NEIC	Less reliable solution.							
ISC	**IV**	**21 09 16 22.2**±.49	**37.06N**±.031	**71.86E**±.036	**166**±5.2	**4.8b**	**169**	**3-151**
BJI	IV	21 09 16 20.3	37.07N	71.84E	144	5.1b		**¶97iv3436**
NEIC	IV	21 09 16 20.8	37.02N	71.84E	154	4.8b		
MOS	IV	21 09 16 21.8	37.1N	72.0E	163	4.9b		
EIDC	IV	21 09 16 24.1	36.9N	71.8E	174	4.5b,3.4s		
ISC	**IV**	**27 10 22 29**±2.5	**36.7N**±.36	**71.2E**±.27	**201**±53	**3.3b**	**9**	**3-81**
NEIC	IV	27 10 22 29.5	36.69N	71.17E	200	3.1b		**¶97iv4707**
EIDC	IV	27 10 22 31.8	36.4N	71.3E	236	3.1b		
NEIC	Less reliable solution.							
ISC	**IV**	**29 21 31 07**±3.8	**36.9N**±.49	**72.3E**±.27	**250**	**3.3b**	**8**	**19-58**
EIDC	IV	29 21 31 09.2	36.9N	72.0E	245	3.1b		**¶97iv5126**
ISC	**IV**	**30 13 01 09**±1.4	**36.8N**±.16	**71.3E**±.19	**225**±20	**3.3b**	**14**	**4-82**
NEIC	IV	30 13 01 08.9	36.70N	71.19E	236	3.4b		**¶97iv5220**
EIDC	IV	30 13 01 10.7	36.5N	71.1E	239	3.1b		
NEIC	Less reliable solution.							
ISC	**V**	**01 23 03 39**±1.7	**38.96N**±.091	**71.1E**±.16	**70**±20	**3.7b**	**20**	**5-79**
NEIC	V	01 23 03 37.1	39.06N	71.15E	50			**¶97v0171**
MOS	V	01 23 03 37.5	39.0N	71.1E	33	4.2b		
EIDC	V	01 23 03 42.1	38.9N	71.1E	82	3.5b		
NEIC	Less reliable solution.							
ISC	**V**	**02 10 53 13**±1.3	**36.6N**±.13	**72.1E**±.37	**33**	**3.8b**	**8**	**3-84**
EIDC	V	02 10 53 12.4	36.4N	71.7E	23	3.7b,4.1L		**¶97v0253**
ISC	**V**	**05 09 11 27**±1.0	**37.0N**±.26	**71.8E**±.67	**33**	**3.5b**	**6**	**4-81**
EIDC	V	05 09 11 23.9	37.2N	72.2E	0	3.7b,4.7L		**¶97v0765**
NEIC	V	05 09 11 26.9	37.04N	71.80E	33			
NEIC	Poor solution.							
ISC	**V**	**11 00 15 47.6**±.74	**36.44N**±.062	**71.1E**±.11	**174**±9.9	**3.4b**	**26**	**3-125**
BJI	V	11 00 15 46.8	36.37N	71.13E	179			**¶97v1688**
NEIC	V	11 00 15 46.8	36.53N	71.08E	162			
EIDC	V	11 00 15 48.3	36.4N	70.9E	162	3.2b		
MOS	V	11 00 15 49.3	36.6N	71.0E	181	4.1b		
NEIC	Less reliable solution.							
ISC	**V**	**13 14 13 46.3**±.39	**36.48N**±.022	**71.00E**±.018	**198**±4.0	**5.9b**	**809**	**3-150**
NEIC	V	13 14 13 45.7	36.41N	70.95E	196	6.1b		**¶97v2268**
MOS	V	13 14 13 46.4	36.5N	71.0E	197	6.4b		
BJI	V	13 14 13 46.5	36.62N	70.96E	202	5.9b		
EIDC	V	13 14 13 47.8	36.4N	71.0E	203	5.8b		
HRVD	V	13 14 13 48.8±.1	36.51N±.01	70.68E±.01	189±.4			
RYD	V	13 14 13 52.2	36.3N	71.2E	134			
NEIC	Mw6.5(GS), Me6.3(GS)							

NEIC Radiated energy from the P−wave first−motion solution: 6.7±1.6×10^{13}Nm/19

NEIC Broadband fault plane solution: P waves. NP1:ϕ_S75°,δ60°,λ70°. NP2:ϕ_S291°,δ36°,λ121°. Principal axes: T Plg68°,Azm304°; P Plg13°,Azm179°. Depth from synthetics of broadband displacement seismograms.

NEIC Moment tensor solution: s37, scale 10^{18}Nm; M_{rr}4.99; $M_{\theta\theta}$−4.36; $M_{\phi\phi}$−0.63; $M_{r\theta}$1.69; $M_{r\phi}$2.53; $M_{\theta\phi}$−1.93. Depth 189km; Principal axes: T 6.05,Plg70°,Azm285°; N −0.24,Plg14°, Azm60°; P −5.81,Plg14°,Azm153°. Best double couple: $M_0$5.9×10^{18}Nm; NP1:ϕ_S262°,δ34°, λ116°. NP2:ϕ_S51°,δ60°,λ74°.

NEIC Mw 6.4 (HRV). Mb 6.4 (BRK). One person killed and eleven injured in the Malakand-Peshawar area, Pakistan. One person injured at Kabul, Afghanistan. Houses damaged in many parts of northern Pakistan and at Srinagar, Kashmir. Felt strongly throughout northeastern Afghanistan, northern Pakistan and Tajikistan. Felt in Himachal Pradesh and as far as Delhi, India.

MOS Felt I=III MSK at Chardzhou, Daraut−Kurgan, Sufi−Kurgan; I=II−III at Chimkent; I=II at Bishkek.

HRVD Centroid moment tensor solution. Data used: GSN; LP body waves: s57,c130; Mantle waves: s52,c109; Half duration: 4s0. Moment tensor: Scale 10^{18}Nm; M_{rr}4.09±.03; $M_{\theta\theta}$−4.13±.03; $M_{\phi\phi}$0.04±.03; $M_{r\theta}$1.09±.03; $M_{r\phi}$2.28±.02; $M_{\theta\phi}$−1.40±.03. Principal Axes: T 5.13,Plg66°,Azm277°; N −0.23,Plg20°,Azm65°; P −4.90,Plg12°,Azm159°. Best double couple: $M_0$5.0×10^{18}Nm, NP1:ϕ_S273°,δ38°,λ124°. NP2:ϕ_S52°,δ60°,λ66°.

ISC	**V**	**17 15 28 19.9**±.95	**37.50N**±.047	**69.21E**±.069	**36**±11	**4.0b,3.7s**	**47**	**4-86**
BJI	V	17 15 28 19.4	37.40N	69.10E	30	4.5L,4.1b		**¶97v2953**
NEIC	V	17 15 28 19.4	37.42N	69.07E	33	4.3b		
MOS	V	17 15 28 19.6	37.5N	69.2E	33	4.0s		
EIDC	V	17 15 28 22.0	37.4N	69.1E	42	3.8b,3.4s		
BJI	Ms4.3							
ISC	**V**	**19 12 42 39**±2.5	**36.4N**±.27	**71.0E**±.38	**216**±28	**3.3b**	**5**	**3-84**
EIDC	V	19 12 42 39.4	36.4N	71.2E	214	3.2b		**¶97v3255**
ISC	Poorly determined							
ISC	**V**	**25 02 28 02.0**±.58	**36.66N**±.067	**71.16E**±.090	**234**±8.7	**3.8b**	**30**	**3-84**
MOS	V	25 02 28 01.4	36.7N	71.1E	233	4.0b		**¶97v4205**
NEIC	V	25 02 28 01.5	36.62N	71.09E	232			
EIDC	V	25 02 28 03.0	36.5N	71.0E	229	3.6b		
BJI	V	25 02 28 04.7	37.00N	71.24E	249	4.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**01 01 00 56**±5.3	**36.3N**±.20	**71.3E**±.28	**104**±51	**3.7b**	**7**	**11-84**
NEIC	VI	01 01 00 55.0	36.27N	71.20E	100			**¶97vi0005**
EIDC	VI	01 01 01 05.7	36.3N	70.5E	197	3.3b		
NEIC	Single network solution.							
ISC	**VI**	**02 08 44 18.6**±.68	**36.91N**±.073	**72.0E**±.28	**250**	**3.3b**	**10**	**3-81**
EIDC	VI	02 08 43 39.1	34.7N	71.8E	0	4.0b		**¶97vi0211**
ISC	**VI**	**02 11 47 19**±1.3	**38.99N**±.076	**70.62E**±.094	**63**±14	**3.8b**	**23**	**4-86**
MOS	VI	02 11 47 17.3	39.0N	70.8E	33	4.0b		**¶97vi0228**
BJI	VI	02 11 47 17.9	38.34N	70.71E	44	3.9L		
NEIC	VI	02 11 47 18.4	39.02N	70.65E	53			
EIDC	VI	02 11 47 22.5	38.9N	70.5E	77	3.6b		
ISC	**VI**	**04 15 56 41.2**±.65	**36.32N**±.042	**71.23E**±.059	**107**±7.3	**4.4b**	**64**	**3-86**
MOS	VI	04 15 56 41.7	36.4N	71.4E	110	4.4b		**¶97vi0638**
BJI	VI	04 15 56 42.0	36.49N	71.09E	112	4.8b		
NEIC	VI	04 15 56 42.1	36.26N	71.15E	119	4.4b		
EIDC	VI	04 15 56 43.4	36.2N	71.0E	119	4.1b,3.1s		
ISC	**VI**	**06 23 16 32**±1.9	**36.6N**±.11	**71.5E**±.19	**119**±23	**3.8b**	**14**	**3-81**
MOS	VI	06 23 16 31.5	36.5N	71.3E	115	4.4b		**¶97vi1013**
EIDC	VI	06 23 16 32.8	36.5N	71.4E	109	3.4b		
NEIC	VI	06 23 16 34.3	36.50N	71.64E	150	3.8b		
NEIC	Less reliable solution.							
ISC	**VI**	**11 13 51 32.1**±.76	**36.62N**±.075	**71.4E**±.14	**207**±10	**3.7b**	**18**	**3-84**
BJI	VI	11 13 51 31.1	36.62N	71.45E	205			**¶97vi1699**
NEIC	VI	11 13 51 32.5	36.60N	71.41E	213	3.4b		
EIDC	VI	11 13 51 33.4	36.5N	71.3E	210	3.4b		
NEIC	Less reliable solution.							
ISC	**VI**	**11 18 05 34**±1.4	**37.71N**±.088	**71.6E**±.11	**56**±15	**3.6b**,3.4s	**20**	**4-85**
EIDC	VI	11 18 05 29.1	37.8N	71.6E	0	3.6b,4.7L		**¶97vi1730**
MOS	VI	11 18 05 31.7	37.7N	71.9E	33	4.6b		
NEIC	VI	11 18 05 31.8	37.85N	71.67E	33			
BJI	VI	11 18 05 33.8	36.97N	72.31E	15	4.1L,4.0b		
NEIC	Less reliable solution.							
ISC	**VI**	**11 20 22 27.7**±.49	**36.44N**±.049	**71.21E**±.059	**244**±6.2	**4.0b**	**65**	**3-150**
BJI	VI	11 20 22 26.8	36.50N	71.18E	231	4.3b		**¶97vi1746**
NEIC	VI	11 20 22 27.2	36.44N	71.18E	241	4.0b		
MOS	VI	11 20 22 27.6	36.5N	71.2E	244	4.0b		
EIDC	VI	11 20 22 28.5	36.3N	71.1E	243	3.8b		
ISC	**VI**	**13 19 17 23**±1.7	**36.3N**±.11	**71.2E**±.20	**117**±20	**3.8b**	**15**	**3-135**
BJI	VI	13 19 17 20.2	36.04N	71.23E	108			**¶97vi2031**
NEIC	VI	13 19 17 22.1	36.40N	71.23E	100	3.8b		
EIDC	VI	13 19 17 24.0	36.3N	71.1E	106	3.6b		
NEIC	Less reliable solution.							
BJI	**VI**	**14 00 18 36.5**	**36.57N**	**71.52E**	**206**			**¶97vi2060**
ISC	**VI**	**14 04 33 03**±1.4	**36.09N**±.096	**71.1E**±.16	**86**±20	**3.9b**	**17**	**2-82**
BJI	VI	14 04 32 58.7	35.54N	71.36E	88			**¶97vi2087**
NEIC	VI	14 04 33 04.2	35.89N	70.91E	100	4.0b		
EIDC	VI	14 04 33 07.6	36.1N	70.9E	109	3.6b		
NEIC	Less reliable solution.							
ISC	**VI**	**22 12 48 50**±1.7	**36.5N**±.15	**71.1E**±.22	**209**±19	**3.2b**	**9**	**3-84**
NEIC	VI	22 12 48 49.0	36.54N	71.05E	200	3.3b		**¶97vi3387**
EIDC	VI	22 12 48 51.6	36.3N	71.0E	212	3.1b		
NEIC	Less reliable solution.							
ISC	**VI**	**24 09 16 38.2**±.69	**36.4N**±.17	**71.0E**±.21	**33**	**3.9b**	**9**	**57-84**
EIDC	VI	24 09 16 34.7	36.3N	71.2E	0	4.0b		**¶97vi3683**
NEIC	VI	24 09 16 38.2	36.43N	71.04E	33	3.9b		
NEIC	Less reliable solution.							
ISC	**VI**	**28 09 51 36.0**±.79	**36.22N**±.063	**71.43E**±.093	**121**±10	**3.9b**	**33**	**2-94**
MOS	VI	28 09 51 35.2	36.2N	71.4E	116	4.3b		**¶97vi4456**
BJI	VI	28 09 51 35.6	36.42N	71.21E	123	3.9b		
NEIC	VI	28 09 51 35.7	36.24N	71.48E	118	4.2b		
EIDC	VI	28 09 51 38.1	36.0N	71.4E	127	3.7b		
NEIC	Less reliable solution.							
ISC	**VI**	**29 13 58 24**±2.3	**36.7N**±.15	**71.2E**±.24	**78**±36	**3.8b**	**18**	**3-57**
EIDC	VI	29 13 58 17.9	36.7N	70.7E	0	3.8b,4.9L		**¶97vi4632**
MOS	VI	29 13 58 22.8	36.6N	71.8E	100	4.0b		
NEIC	VI	29 13 58 24.9	36.71N	71.39E	100	4.1b		
NEIC	Less reliable solution.							

(718) Hindu Kush region.

ISC	**I**	**01 18 30 36**±1.7	**36.4N**±.23	**70.3E**±.26	**224**±24	**3.7b**	**12**	**4-43**
EIDC	I	01 18 30 22.1	37.0N	69.1E	0	4.1b,4.6L		**¶97i0100**
NEIC	I	01 18 30 25.2	37.21N	69.62E	33			
NEIC	Single network solution.							
ISC	**I**	**05 11 01 54.9**±.93	**36.3N**±.14	**70.6E**±.17	**241**±16	**3.4b**	**14**	**3-82**
NEIC	I	05 11 01 55.5	36.27N	70.68E	250			**¶97i0658**
EIDC	I	05 11 01 56.1	36.2N	70.6E	243	3.2b		
NEIC	Single network solution.							
ISC	**I**	**08 18 50 25**±1.7	**36.5N**±.24	**70.5E**±.31	**213**±18	**3.3b**	**21**	**4-85**
NEIC	I	08 18 50 26.0	36.66N	70.87E	220			**¶97i1102**
EIDC	I	08 18 50 26.9	36.3N	70.3E	227	3.2b		
NEIC	Poor solution.							
EIDC	**I**	**09 07 33 34.5**	**36.2N**	**70.4E**	**232**	**3.2b**		**3-85**
								¶97i1186
ISC	**I**	**10 02 24 13.0**±.44	**36.44N**±.035	**70.92E**±.030	**201**±5.5	**4.7b**	**270**	**3-139**
BJI	I	10 02 24 11.7	36.67N	70.67E	195	4.9b		**¶97i1298**
NEIC	I	10 02 24 12.9	36.38N	70.82E	201	4.8b		
MOS	I	10 02 24 13.1	36.6N	70.9E	192	5.2b		
EIDC	I	10 02 24 14.6	36.3N	70.8E	207	4.4b		
NEIC	Felt at Peshawar, Pakistan.							
ISC	**I**	**15 15 23 36**±3.2	**35.7N**±.29	**69.1E**±.42	**204**±32	**3.6b**	**5**	**4-44**
EIDC	I	15 15 23 35.6	35.5N	68.8E	188	3.4b		**¶97i2171**
NEIC	I	15 15 23 35.7	35.69N	69.12E	200			
ISC	Poorly determined							
NEIC	Poor solution.							
ISC	**I**	**18 02 54 01**±1.7	**36.4N**±.19	**70.8E**±.20	**246**±24	**3.3b**	**14**	**3-81**
NEIC	I	18 02 54 01.0	36.38N	70.69E	244			**¶97i2588**
EIDC	I	18 02 54 01.9	36.4N	70.8E	238	3.0b		
NEIC	Poor solution.							
ISC	**I**	**19 21 09 10.8**±.81	**35.95N**±.077	**69.57E**±.080	**165**±11	**3.8b**	**45**	**3-83**
NEIC	I	19 21 09 08.5	36.15N	69.39E	122	4.2b		**¶97i2890**
BJI	I	19 21 09 09.0	36.22N	69.31E	125			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	I	19 21 09 10.0	36.1N	69.3E	121	3.6b		
NEIC		Less reliable solution.						
ISC	**I**	**24 21 07 00**±4.3	**36.3N**±.12	**69.4E**±.12	**18**±34	**3.5b**	**27**	**3-85**
EIDC	I	24 21 07 01.7	36.3N	69.4E	19	3.4b		¶97i3689
NEIC	I	24 21 07 03.8	36.47N	69.35E	50			
NEIC		Less reliable solution.						
EIDC	**I**	**30 22 41 19.8**	**35.5N**	**68.9E**	**0**	**3.6b**		**22-85**
								¶97i4555
BJI	**I**	**31 00 52 32.1**	**36.18N**	**69.11E**	**195**			¶97i4574
ISC	**II**	**07 19 31 17.2**±.64	**36.21N**±.049	**69.84E**±.045	**154**±7.1	**4.3b**	**93**	**3-95**
BJI	II	07 19 31 17.0	36.30N	69.93E	143	4.8b		¶97ii1026
NEIC	II	07 19 31 17.5	36.20N	69.82E	158	4.7b		
MOS	II	07 19 31 17.9	36.3N	69.9E	155	4.9b		
EIDC	II	07 19 31 17.9	36.0N	69.7E	156	4.0b		
ISC	**II**	**07 22 35 26.3**±.82	**35.84N**±.068	**70.79E**±.097	**114**±11	**4.1b**	**32**	**2-84**
NEIC	II	07 22 35 25.2	35.93N	70.78E	100	4.4b		¶97ii1051
MOS	II	07 22 35 26.5	36.0N	70.9E	114	4.4b		
BJI	II	07 22 35 26.6	35.77N	70.72E	115	4.4b		
EIDC	II	07 22 35 27.6	35.8N	70.7E	113	3.8b		
NEIC		Less reliable solution.						
ISC	**II**	**13 11 40 37**±1.7	**36.4N**±.20	**70.8E**±.31	**226**±21	**3.5b**	**8**	**3-84**
NEIC	II	13 11 40 37.0	36.41N	70.82E	227	3.0b		¶97ii1910
EIDC	II	13 11 40 38.1	36.4N	71.0E	222	3.3b		
NEIC		Poor solution.						
ISC	**II**	**18 13 31 09.0**±.58	**36.34N**±.055	**70.68E**±.084	**222**±7.5	**3.8b**	**40**	**3-84**
BJI	II	18 13 31 07.9	36.44N	70.66E	216	4.3b		¶97ii2648
MOS	II	18 13 31 08.5	36.3N	70.7E	219	4.6b		
NEIC	II	18 13 31 09.4	36.30N	70.65E	228	4.3b		
EIDC	II	18 13 31 10.2	36.2N	70.6E	225	3.6b		
ISC	**II**	**20 23 26 17.2**±.82	**36.44N**±.088	**70.7E**±.12	**252**±11	**3.5b**	**20**	**3-81**
BJI	II	20 23 26 16.4	36.51N	70.76E	241			¶97ii2990
NEIC	II	20 23 26 17.0	36.39N	70.77E	250			
EIDC	II	20 23 26 17.5	36.4N	70.8E	240	3.3b		
NEIC		Single network solution.						
ISC	**II**	**23 17 09 05.9**±.69	**36.14N**±.051	**70.90E**±.072	**124**±8.7	**4.2b**	**47**	**2-150**
BJI	II	23 17 09 04.0	36.19N	70.88E	107	4.1b		¶97ii3350
NEIC	II	23 17 09 05.8	36.07N	70.84E	126	4.3b		
MOS	II	23 17 09 06.3	36.2N	71.2E	117	4.4b		
EIDC	II	23 17 09 08.1	36.0N	70.8E	136	3.9b		
ISC	**II**	**25 16 58 04.7**±.45	**36.47N**±.038	**70.54E**±.038	**216**±5.1	**4.4b**	**116**	**3-149**
MOS	II	25 16 58 04.8	36.5N	70.6E	216	4.8b		¶97ii3665
NEIC	II	25 16 58 05.5	36.50N	70.59E	228	4.5b		
BJI	II	25 16 58 05.6	36.57N	70.54E	226	4.9b		
EIDC	II	25 16 58 06.3	36.2N	70.5E	229	4.1b		
ISC	**II**	**27 21 26 55**±1.7	**36.7N**±.16	**68.7E**±.20	**275**±19	**3.7b**	**11**	**4-84**
EIDC	II	27 21 26 51.0	36.7N	68.7E	219	3.4b		¶97ii4013
ISC	**III**	**01 05 45 12**±3.3	**36.9N**±.19	**70.7E**±.22	**67**±43	**3.7b**	**9**	**4-81**
EIDC	III	01 05 45 14.5	36.8N	70.5E	68	3.5b,4.4L		¶97iii0056
ISC	**III**	**12 00 53 23**±2.6	**36.5N**±.23	**70.8E**±.39	**206**±43	**3.4b**	**7**	**3-81**
NEIC	III	12 00 53 23.1	36.47N	70.81E	210			¶97iii2460
EIDC	III	12 00 53 24.9	36.4N	71.0E	218	3.2b		
NEIC		Poor solution.						
ISC	**III**	**13 03 28 33.8**±.75	**36.42N**±.079	**70.2E**±.11	**231**±10	**3.5b**	**25**	**3-85**
EIDC	III	13 03 28 34.4	36.1N	70.0E	234	3.3b		¶97iii2636
NEIC	III	13 03 28 34.6	36.32N	70.13E	243	3.9b		
BJI	III	13 03 28 36.7	36.79N	70.39E	243			
NEIC		Less reliable solution.						
ISC	**III**	**20 09 51 19**±2.8	**36.2N**±.18	**68.5E**±.29	**144**±26	**3.6b**	**8**	**5-86**
NEIC	III	20 09 51 19.4	36.16N	68.49E	150			¶97iii3882
EIDC	III	20 09 51 32.6	36.1N	70.3E	206	3.3b		
NEIC		Less reliable solution.						
ISC	**III**	**23 18 47 55.4**±.88	**35.6N**±.14	**66.1E**±.14	**33**	**3.7b**	**12**	**6-82**
EIDC	III	23 18 47 52.3	35.5N	66.0E	0	3.8b,3.9L		¶97iii4474
NEIC	III	23 18 47 55.3	35.57N	66.12E	33			
NEIC		Single network solution.						
ISC	**III**	**25 21 13 10**±1.1	**36.04N**±.079	**70.8E**±.15	**133**±11	**3.5b**	**19**	**2-84**
BJI	III	25 21 13 07.7	35.97N	70.82E	118			¶97iii4793
NEIC	III	25 21 13 09.9	36.08N	70.81E	133	4.1b		
EIDC	III	25 21 13 11.5	35.9N	70.7E	139	3.4b		
NEIC		Less reliable solution.						
ISC	**III**	**26 00 01 19.2**±.86	**36.3N**±.12	**70.8E**±.16	**221**±13	**3.5b**	**21**	**3-84**
NEIC	III	26 00 01 18.6	36.23N	70.65E	222	3.8b		¶97iii4814
MOS	III	26 00 01 18.9	36.7N	71.5E	216	4.0b		
EIDC	III	26 00 01 19.9	36.4N	71.1E	211	3.2b		
NEIC		Less reliable solution.						
ISC	**III**	**28 16 15 14.1**±.77	**36.38N**±.087	**70.5E**±.14	**220**±12	**3.5b**	**21**	**3-85**
NEIC	III	28 16 15 14.4	36.31N	70.40E	226	3.6b		¶97iii5455
MOS	III	28 16 15 14.6	36.5N	70.7E	225	4.0b		
EIDC	III	28 16 15 14.9	36.1N	70.2E	222	3.3b		
NEIC		Less reliable solution.						
ISC	**III**	**28 16 19 08**±4.0	**36.1N**±.25	**68.8E**±.45	**103**±34	**3.7b**	**5**	**4-85**
NEIC	III	28 16 19 07.7	36.08N	68.82E	100			¶97iii5457
EIDC	III	28 16 19 09.5	35.8N	68.8E	106	3.6b		
ISC		Poorly determined						
NEIC		Poor solution.						
ISC	**IV**	**07 00 00 39**±1.6	**36.4N**±.12	**70.5E**±.22	**225**±19	**3.6b**	**13**	**4-84**
NEIC	IV	07 00 00 39.3	36.41N	70.52E	223			¶97iv1079
EIDC	IV	07 00 00 40.7	36.3N	70.5E	224	3.4b		
NEIC		Single network solution.						
ISC	**IV**	**10 04 46 29**±2.3	**36.3N**±.21	**70.4E**±.26	**139**±28	**3.5b**	**8**	**4-81**
EIDC	IV	10 04 46 29.5	36.4N	70.4E	125	3.4b		¶97iv1633
NEIC	IV	10 04 46 29.8	36.25N	70.39E	150			
NEIC		Single network solution.						
ISC	**IV**	**13 22 53 48.8**±.84	**36.20N**±.076	**69.6E**±.10	**189**±12	**3.8b**	**38**	**3-85**
MOS	IV	13 22 53 51.5	36.5N	69.5E	204	4.0b		¶97iv2319
BJI	IV	13 22 53 57.0	36.49N	70.05E	277			
EIDC	IV	13 22 53 57.3	36.2N	69.5E	256	3.4b		
NEIC	IV	13 22 54 00.4	36.46N	69.59E	300	3.6b		
NEIC		Less reliable solution.						
ISC	**IV**	**14 08 39 48**±2.4	**36.3N**±.24	**70.7E**±.36	**222**±35	**3.6b**	**8**	**3-81**
NEIC	IV	14 08 39 46.1	36.45N	70.56E	200			¶97iv2420
EIDC	IV	14 08 39 48.8	36.2N	71.0E	228	3.4b		
NEIC		Single network solution.						
ISC	**IV**	**14 08 51 44**±1.9	**36.4N**±.33	**70.8E**±.36	**247**±42	**3.6b**	**7**	**3-81**
EIDC	IV	14 08 51 45.5	36.1N	70.6E	260	3.3b		¶97iv2422
ISC	**IV**	**25 10 42 39**±1.4	**36.36N**±.093	**70.7E**±.16	**210**±13	**3.6b**	**18**	**3-84**
BJI	IV	25 10 42 09.3	35.22N	68.27E	200			¶97iv4329
NEIC	IV	25 10 42 38.8	36.53N	70.75E	202	3.5b		
EIDC	IV	25 10 42 40.5	36.3N	70.8E	210	3.5b		
NEIC		Less reliable solution.						
ISC	**IV**	**27 12 36 39**±1.7	**36.5N**±.15	**71.0E**±.28	**204**±19	**3.3b**	**9**	**3-84**
NEIC	IV	27 12 36 38.0	36.46N	70.92E	200	3.4b		¶97iv4723
EIDC	IV	27 12 36 39.9	36.2N	70.7E	211	3.3b		
NEIC		Less reliable solution.						
ISC	**IV**	**28 00 25 45**±6.0	**35.5N**±.80	**70.6E**±.36	**25**	**3.5b**	**7**	**6-82**
EIDC	IV	28 00 25 37.4	34.6N	70.5E	0	3.9b		¶97iv4813
BJI	IV	28 00 25 42.0	35.30N	70.60E	25	4.2L		
NEIC	IV	28 00 25 46.0	35.49N	70.60E	33	3.8b		
NEIC		Poor solution.						
ISC	**IV**	**28 09 53 42**±1.8	**36.4N**±.43	**70.7E**±.61	**226**±23	**3.2b**	**7**	**3-84**
NEIC	IV	28 09 53 41.1	36.69N	71.05E	200	3.1b		¶97iv4892
EIDC	IV	28 09 53 43.5	36.4N	70.8E	223	3.0b		
NEIC		Poor solution.						
ISC	**IV**	**30 22 55 08.8**±.78	**36.33N**±.066	**70.61E**±.097	**159**±10	**3.7b**	**30**	**3-84**
BJI	IV	30 22 55 07.4	36.58N	70.57E	142	4.1b		¶97iv5282
NEIC	IV	30 22 55 08.2	36.33N	70.60E	152	3.5b		
MOS	IV	30 22 55 09.0	36.3N	70.7E	160	4.3b		
EIDC	IV	30 22 55 09.6	36.1N	70.4E	158	3.5b		
NEIC		Less reliable solution.						
ISC	**V**	**04 12 14 46**±2.3	**35.9N**±.14	**70.3E**±.20	**62**±27	**3.6b**	**15**	**3-82**
EIDC	V	04 12 14 41.6	36.0N	70.1E	0	3.7b,4.3L		¶97v0635
NEIC	V	04 12 14 43.7	36.09N	70.28E	33	3.9b		
NEIC		Less reliable solution.						
ISC	**V**	**08 17 56 49.6**±.68	**36.25N**±.050	**70.80E**±.081	**131**±8.5	**3.9b**	**39**	**3-84**
BJI	V	08 17 56 47.1	36.00N	71.01E	100	4.4b		¶97v1285
NEIC	V	08 17 56 49.5	36.31N	70.86E	129	3.9b		
EIDC	V	08 17 56 50.6	36.2N	70.6E	126	3.7b		
MOS	V	08 17 56 51.0	36.3N	71.1E	143	4.4b		
NEIC		Less reliable solution.						
ISC	**V**	**10 10 14 51**±1.2	**36.2N**±.36	**66.9E**±.33	**33**	**3.8b**	**4**	**54-87**
EIDC	V	10 10 14 47.2	36.3N	67.0E	0	3.8b		¶97v1571
ISC		Poorly determined						
ISC	**V**	**11 03 37 47.2**±.68	**35.7N**±.11	**69.5E**±.16	**33**	**3.6b**	**12**	**10-82**
EIDC	V	11 03 37 51.7	35.7N	69.3E	54	3.4b		¶97v1716
ISC	**V**	**12 06 07 09**±3.7	**36.0N**±.25	**70.7E**±.43	**143**±53	**3.4b**	**6**	**3-82**
EIDC	V	12 06 06 58.6	36.2N	69.8E	0	3.9b,4.1L		¶97v1905
NEIC	V	12 06 07 09.2	35.93N	70.74E	150			
NEIC		Poor solution.						
ISC	**V**	**13 18 41 53**±1.3	**36.4N**±.18	**70.7E**±.15	**208**±21	**3.4b**	**9**	**3-81**
NEIC	V	13 18 41 52.4	36.47N	70.69E	200			¶97v2295
EIDC	V	13 18 41 54.3	36.3N	70.6E	209	3.2b		
NEIC		Poor solution.						
ISC	**V**	**13 23 46 44.7**±.54	**36.46N**±.052	**70.98E**±.080	**202**±7.4	**3.8b**	**41**	**3-84**
BJI	V	13 23 46 43.7	36.61N	70.85E	196			¶97v2355
NEIC	V	13 23 46 44.3	36.41N	70.93E	200	4.2b		
MOS	V	13 23 46 44.7	36.5N	71.1E	200	4.6b		
EIDC	V	13 23 46 45.1	36.3N	70.9E	195	3.6b		
ISC	**V**	**15 18 30 25.7**±.42	**36.47N**±.029	**70.92E**±.027	**197**±4.6	**4.9b**	**381**	**3-150**
NEIC	V	15 18 30 24.2	36.40N	70.86E	185	5.0b		¶97v2660
BJI	V	15 18 30 24.5	36.53N	70.89E	182	5.3b		
MOS	V	15 18 30 25.3	36.5N	71.0E	187	5.7b		
EIDC	V	15 18 30 26.1	36.4N	70.9E	190	4.8b		
ISC	**V**	**19 22 43 29.5**±.54	**36.35N**±.079	**69.41E**±.079	**33**	**3.9b**,3.6s	**24**	**4-85**
BJI	V	19 22 43 26.5	36.49N	68.94E	47	4.1L,4.1b		¶97v3315
EIDC	V	19 22 43 27.4	36.3N	69.3E	0	3.9b,4.3L		
MOS	V	19 22 43 29.4	36.4N	69.5E	33	4.2b		
NEIC	V	19 22 43 29.9	36.25N	69.22E	33	3.9b		
NEIC		Less reliable solution.						
ISC	**V**	**25 02 01 41.2**±.96	**35.1N**±.16	**67.8E**±.12	**33**	**3.7b**	**15**	**5-86**
EIDC	V	25 02 01 38.0	34.9N	67.9E	0	3.7b,3.0s		¶97v4199
MOS	V	25 02 01 40.9	35.0N	67.9E	33	4.4b		
NEIC	V	25 02 01 41.4	35.23N	67.85E	33	3.6b		
NEIC		Less reliable solution.						
ISC	**V**	**28 18 13 47.9**±.56	**36.44N**±.033	**70.65E**±.032	**155**±6.2	**4.7b**	**183**	**3-150**
BJI	V	28 18 13 44.1	36.40N	70.44E	131	4.9b		¶97v4755
NEIC	V	28 18 13 44.4	36.38N	70.69E	126	4.9b		
MOS	V	28 18 13 45.4	36.3N	70.7E	135	5.1b		
EIDC	V	28 18 13 45.7	36.2N	70.6E	128	4.4b,2.9s		
ISC	**V**	**29 00 25 30**±2.0	**36.3N**±.18	**70.8E**±.15	**187**±18	**3.6b**	**8**	**5-84**
NEIC	V	29 00 25 26.2	36.35N	71.00E	150			¶97v4790
BJI	V	29 00 25 30.0	36.26N	70.95E	161			
EIDC	V	29 00 25 31.3	36.2N	70.7E	190	3.4b		
NEIC		Single network solution.						
ISC	**VI**	**02 03 48 33.3**±.76	**36.52N**±.069	**70.5E**±.11	**176**±11	**3.6b**	**23**	**3-82**
MOS	VI	02 03 48 25.7	36.4N	70.2E	100	4.3b		¶97vi0172
NEIC	VI	02 03 48 29.8	36.34N	70.58E	150			
EIDC	VI	02 03 48 31.3	36.1N	70.5E	154	3.6b		
BJI	VI	02 03 48 31.7	36.23N	70.65E	143			
NEIC		Less reliable solution.						
ISC	**VI**	**02 08 59 07.0**±.65	**35.95N**±.042	**70.77E**±.043	**96**±7.0	**4.6b**	**110**	**2-149**
MOS	VI	02 08 59 06.8	36.0N	70.8E	94	4.7b		¶97vi0213
BJI	VI	02 08 59 07.1	36.01N	70.69E	99	4.4b		
NEIC	VI	02 08 59 07.1	35.95N	70.77E	99	5.0b		
EIDC	VI	02 08 59 08.8	35.8N	70.6E	103	4.4b,3.0s		
ISC	**VI**	**09 00 02 05**±1.5	**36.4N**±.14	**70.9E**±.21	**232**±17	**3.4b**	**10**	**3-84**
NEIC	VI	09 00 02 05.4	36.42N	70.90E	233			¶97vi1302
EIDC	VI	09 00 02 06.7	36.3N	70.9E	233	3.2b		
NEIC		Single network solution.						
ISC	**VI**	**10 22 54 51**±1.1	**36.7N**±.13	**68.2E**±.14	**33**	**3.7b**	**14**	**5-81**
BJI	VI	10 22 54 48.3	36.26N	68.24E	38	4.1L		¶97vi1576
NEIC	VI	10 22 54 51.5	36.77N	68.30E	33	3.6b		
MOS	VI	10 22 54 54.5	37.1N	68.5E	33	4.0b		
EIDC	VI	10 22 54 55.2	36.5N	68.1E	58	3.5b,4.3L		
NEIC		Less reliable solution.						
ISC	**VI**	**14 12 40 58**±1.4	**36.5N**±.12	**69.8E**±.17	**262**±15	**3.3b**	**13**	**4-85**
BJI	VI	14 12 40 57.2	36.58N	69.76E	255			¶97vi2129
NEIC	VI	14 12 40 58.0	36.52N	69.83E	263			
EIDC	VI	14 12 40 59.8	36.4N	70.0E	265	3.1b		
NEIC		Less reliable solution.						
ISC	**VI**	**19 15 47 42.2**±.96	**35.84N**±.080	**70.8E**±.12	**122**±14	**3.6b**	**25**	**2-82**
BJI	VI	19 15 47 41.6	35.81N	70.71E	121			¶97vi2936
MOS	VI	19 15 47 41.7	35.9N	70.9E	121	3.7b		
NEIC	VI	19 15 47 41.7	35.89N	70.86E	114			
EIDC	VI	19 15 47 43.6	35.8N	70.7E	111	3.5b		
NEIC		Less reliable solution.						
ISC	**VI**	**24 11 55 21.7**±.68	**36.43N**±.061	**70.5E**±.11	**223**±8.8	**3.7b**	**25**	**3-85**
MOS	VI	24 11 55 21.0	36.4N	70.4E	216	4.0b		¶97vi3704
NEIC	VI	24 11 55 21.0	36.40N	70.40E	215	3.6b		
BJI	VI	24 11 55 21.8	36.52N	70.48E	236	4.2b		
EIDC	VI	24 11 55 22.8	36.2N	70.3E	220	3.7b		

NEIC		Less reliable solution.							
ISC	**VI**	**29 03 31 38**±1.1	**35.95N**±.066	**68.66E**±.080	**64**±13	**4.2b**	**42**	**3-148**	
BJI	VI	29 03 31 31.7	35.82N	68.41E	24	4.3L,4.2b			¶97vi4561
NEIC	VI	29 03 31 34.7	35.91N	68.64E	33	4.3b			
MOS	VI	29 03 31 34.9	35.9N	68.7E	33	4.5b			
EIDC	VI	29 03 31 38.9	35.8N	68.5E	61	3.9b			
ISC	**VI**	**30 06 33 24**±2.0	**36.3N**±.23	**70.8E**±.37	**222**±19	**3.1b**	**10**	**3-84**	
EIDC	VI	30 06 33 26.6	36.7N	71.8E	207	3.0b			¶97vi4719

(719) Tadzhikistan-Xinjiang border region.

ISC	**I**	**02 15 16 18.8**±.58	**39.38N**±.091	**73.3E**±.14	**33**	**3.6b**	**15**	**6-82**	
NEIC	I	02 15 16 20.3	39.63N	73.15E	33	3.0b			¶97i0227
EIDC	I	02 15 16 25.4	39.6N	73.0E	68	3.4b,4.2L			
NEIC		Less reliable solution.							
ISC	**I**	**04 00 21 24**±1.5	**39.28N**±.080	**73.88E**±.085	**79**±18	**3.8b**	**31**	**6-84**	
NEIC	I	04 00 21 25.3	39.36N	73.63E	85				¶97i0451
EIDC	I	04 00 21 29.0	39.2N	73.6E	111	3.4b			
NEIC		Less reliable solution.							
ISC	**I**	**08 12 13 41**±2.1	**38.2N**±.14	**74.1E**±.20	**156**±30	**3.6b**	**13**	**5-79**	
NEIC	I	08 12 13 38.6	38.58N	73.65E	100	3.1b			¶97i1056
EIDC	I	08 12 13 45.5	38.1N	73.7E	185	3.4b			
NEIC		Poor solution.							
ISC	**I**	**09 08 16 28**±1.9	**37.4N**±.13	**75.8E**±.14	**121**±27	**4.0b**	**22**	**4-80**	
NEIC	I	09 08 16 28.5	37.62N	75.46E	109	3.4b			¶97i1191
EIDC	I	09 08 16 33.3	37.3N	75.3E	154	3.7b			
NEIC		Less reliable solution.							
ISC	**I**	**10 04 52 36**±1.2	**38.25N**±.077	**73.8E**±.13	**158**±15	**3.7b**	**27**	**2-99**	
BJI	I	10 04 52 30.9	38.40N	73.00E	131				¶97i1313
NEIC	I	10 04 52 33.8	38.66N	73.62E	100	3.3b			
EIDC	I	10 04 52 37.7	38.4N	73.5E	131	3.5b			
NEIC		Less reliable solution.							
ISC	**I**	**20 17 53 41.3**±.97	**38.16N**±.046	**73.16E**±.060	**36**±11	**4.1b,4.1s**	**81**	**3-140**	
BJI	I	20 17 53 42.8	38.07N	73.05E	60	4.5L,4.7b			¶97i3053
NEIC	I	20 17 53 43.6	38.11N	73.06E	60	4.6b,4.1s			
EIDC	I	20 17 53 44.6	38.1N	73.1E	48	3.8b,4.8L			
MOS	I	20 17 53 44.9	38.1N	73.4E	67	4.8b,4.4s			
BJI		Ms4.2							
ISC	**I**	**29 03 50 36**±2.2	**39.7N**±.10	**73.0E**±.13	**40**±24	**3.9b**	**18**	**2-82**	
BJI	I	29 03 50 31.9	40.28N	72.71E	30	4.0L,3.9b			¶97i4300
NEIC	I	29 03 50 34.8	39.72N	73.09E	33	3.6b			
EIDC	I	29 03 50 36.0	39.8N	73.2E	28	3.8b,4.5L			
ISC	**II**	**06 03 00 09.2**±.49	**38.16N**±.036	**74.48E**±.032	**162**±5.4	**4.7b**	**218**	**2-153**	
BJI	II	06 03 00 09.1	38.21N	74.53E	157	4.7b			¶97ii0791
NEIC	II	06 03 00 09.3	38.18N	74.47E	163	4.7b			
MOS	II	06 03 00 09.5	38.2N	74.5E	159	4.9b			
EIDC	II	06 03 00 10.4	38.1N	74.5E	163	4.4b			
BJI	**II**	**07 00 55 54.1**	**38.98N**	**74.68E**	**14**	**4.1L**			¶97ii0928
BJI	**II**	**10 01 24 54.9**	**39.71N**	**73.30E**	**33**	**4.1L**			¶97ii1397
ISC	**II**	**18 21 05 13**±1.5	**39.5N**±.11	**73.6E**±.12	**64**±17	**3.7b**	**19**	**2-84**	
BJI	II	18 21 05 05.8	39.34N	73.11E	25	3.7L,3.7b			¶97ii2689
NEIC	II	18 21 05 10.2	39.59N	73.71E	33	3.2b			
EIDC	II	18 21 05 16.3	39.4N	73.6E	77	3.5b			
NEIC		Less reliable solution.							
ISC	**II**	**21 09 37 10**±1.3	**38.3N**±.15	**73.9E**±.33	**145**±23	**3.9b**	**11**	**2-72**	
BJI	II	21 09 37 01.2	38.04N	73.03E	100				¶97ii3048
NEIC	II	21 09 37 07.0	38.53N	73.75E	100				
EIDC	II	21 09 37 16.4	37.7N	73.5E	227	3.5b			
NEIC		Less reliable solution.							
ISC	**III**	**22 19 29 29**±2.6	**38.4N**±.22	**73.5E**±.40	**135**±46	**3.5b**	**8**	**5-79**	
EIDC	III	22 19 29 21.6	38.7N	72.3E	0	3.9b,4.4L			¶97iii4306
NEIC	III	22 19 29 26.6	38.51N	73.28E	100	3.2b			
NEIC		Less reliable solution.							
ISC	**IV**	**12 09 01 14**±1.9	**38.2N**±.10	**74.8E**±.19	**110**±20	**3.7b**	**12**	**5-83**	
NEIC	IV	12 09 01 13.1	38.28N	74.79E	100	3.8b			¶97iv2041
EIDC	IV	12 09 01 15.8	38.2N	74.8E	110	3.5b			
NEIC		Less reliable solution.							
ISC	**IV**	**29 01 37 38.4**±.65	**38.24N**±.046	**73.17E**±.053	**131**±8.2	**4.2b**	**96**	**2-82**	
MOS	IV	29 01 37 38.8	38.3N	73.2E	134	4.4b			¶97iv5001
NEIC	IV	29 01 37 39.3	38.23N	73.15E	141	4.4b			
EIDC	IV	29 01 37 41.1	38.2N	73.0E	145	4.0b			
BJI	IV	29 01 37 42.5	38.75N	73.26E	157	4.5b			
ISC	**V**	**04 13 11 44.5**±.78	**38.4N**±.11	**73.2E**±.27	**33**	**3.7b**	**9**	**5-79**	
EIDC	V	04 13 11 41.5	38.5N	73.3E	0	3.6b,3.9L			¶97v0644
ISC	**V**	**04 13 52 19**±4.5	**39.8N**±.62	**73.5E**±.47	**33**	**3.5b**	**5**	**19-78**	
EIDC	V	04 13 52 09.0	38.7N	73.0E	0	3.6b			¶97v0648
ISC	**V**	**08 20 03 01.3**±.94	**39.48N**±.047	**73.36E**±.055	**61**±9.6	**4.2b**	**68**	**2-84**	
NEIC	V	08 20 02 59.8	39.54N	73.40E	50	4.6b			¶97v1302
MOS	V	08 20 03 01.1	39.5N	73.3E	55	4.8b			
BJI	V	08 20 03 01.2	39.63N	73.39E	52	4.0L,4.6b			
EIDC	V	08 20 03 04.1	39.4N	73.2E	81	3.9b,3.3s			
BJI		Ms4.0							
ISC	**V**	**14 06 53 13.4**±.77	**38.14N**±.086	**74.2E**±.16	**180**±11	**3.5b**	**16**	**2-81**	
BJI	V	14 06 53 13.2	38.06N	74.18E	165				¶97v2403
NEIC	V	14 06 53 13.4	38.18N	74.15E	179	3.2b			
EIDC	V	14 06 53 16.8	38.0N	74.0E	195	3.2b			
NEIC		Poor solution.							
ISC	**V**	**20 04 45 21.1**±.94	**39.51N**±.051	**73.22E**±.062	**51**±9.8	**4.2b,3.8s**	**50**	**2-86**	
BJI	V	20 04 45 15.1	39.88N	72.58E	34	4.4L,4.5b			¶97v3357
NEIC	V	20 04 45 18.9	39.53N	73.25E	33	4.3b			
MOS	V	20 04 45 20.4	39.5N	73.5E	33	4.6b,4.1s			
EIDC	V	20 04 45 23.2	39.5N	73.3E	51	4.0b,4.5L			
BJI		Ms4.1							
ISC	**V**	**22 19 53 35**±7.0	**39.5N**±.15	**73.9E**±.20	**23**±51	**3.7b**	**9**	**12-84**	
NEIC	V	22 19 53 36.7	39.51N	73.87E	33				¶97v3828
EIDC	V	22 19 53 42.2	39.4N	73.7E	66	3.4b,3.8L			
NEIC		Single network solution.							
ISC	**V**	**29 04 05 46**±1.2	**38.31N**±.074	**73.51E**±.091	**129**±11	**4.1b**	**36**	**2-84**	
BJI	V	29 04 05 46.9	38.51N	73.58E	137	3.9b			¶97v4818
NEIC	V	29 04 05 46.9	38.36N	73.63E	143				
MOS	V	29 04 05 47.5	38.5N	73.6E	147	4.1b			
EIDC	V	29 04 05 48.3	38.2N	73.5E	146	3.9b			
NEIC		Less reliable solution.							
ISC	**VI**	**01 13 58 10.4**±.76	**38.28N**±.069	**73.63E**±.090	**153**±12	**4.2b**	**46**	**2-79**	
BJI	VI	01 13 58 02.8	38.15N	73.02E	100	4.3b			¶97vi0096
NEIC	VI	01 13 58 04.9	38.24N	73.66E	100	4.0b			
EIDC	VI	01 13 58 05.8	38.2N	73.6E	97	4.2b			
MOS	VI	01 13 58 21.3	39.1N	73.5E	205	4.1b			
NEIC		Poor solution.							
ISC	**VI**	**05 05 37 12**±1.7	**38.3N**±.14	**74.3E**±.23	**166**±25	**3.7b**	**15**	**5-79**	
MOS	VI	05 05 37 12.0	38.2N	74.7E	180	4.0b			¶97vi0718
NEIC	VI	05 05 37 12.3	38.17N	74.51E	179				
EIDC	VI	05 05 37 16.3	37.9N	74.0E	212	3.4b			
NEIC		Poor solution.							
ISC	**VI**	**23 05 34 59.7**±.75	**38.71N**±.079	**73.7E**±.35	**33**	**4.1b**	**11**	**5-79**	
EIDC	VI	23 05 34 44.0	36.7N	73.0E	0	4.2b,5.0L			¶97vi3487
ISC	**VI**	**29 07 11 28.3**±.62	**38.35N**±.045	**73.71E**±.083	**143**±8.1	**4.0b**	**40**	**2-84**	
BJI	VI	29 07 11 27.5	38.31N	73.75E	152	4.0b			¶97vi4582
MOS	VI	29 07 11 28.1	38.4N	73.7E	144	4.2b			
NEIC	VI	29 07 11 28.5	38.35N	73.78E	150	4.3b			
EIDC	VI	29 07 11 31.8	38.2N	73.7E	168	3.7b			

(720) North-Western Kashmir.

EIDC	**III**	**22 12 40 12.6**	**35.8N**	**73.5E**	**0**	**3.9b**		**43-82**	
									¶97iii4262
ISC	**VI**	**06 20 40 27.2**±.71	**35.67N**±.045	**74.53E**±.060	**74**±7.7	**4.5b**	**70**	**2-152**	
MOS	VI	06 20 40 23.2	35.7N	74.5E	33	4.7b,4.0s			¶97vi0993
BJI	VI	06 20 40 27.1	35.70N	74.64E	80	4.5b,3.8s			
NEIC	VI	06 20 40 28.2	35.71N	74.62E	82	4.7b			
EIDC	VI	06 20 40 30.4	35.7N	74.5E	86	4.1b			

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ISC	**I**	**03 11 46 22**±1.6	**63.15N**±.082	**27.5E**±.40	**0**		**7**	**2-8**	
EIDC	I	03 11 46 21.6	63.2N	27.8E	0	3.2L			¶97i0364
BER	I	03 11 46 23.8	63.1N	28.0E	0				
EIDC	**I**	**07 12 04 54.0**	**65.8N**	**25.4E**	**0**	**2.8L**		**4-8**	
									¶97i0916
ISC	**I**	**09 11 45 33**±1.4	**63.2N**±.12	**27.2E**±.38	**0**		**5**	**2-8**	
BER	I	09 11 45 36.1	63.1N	27.7E	0				¶97i1209
ISC	**I**	**14 03 54 13**±1.3	**68.71N**±.087	**22.5E**±.27	**28**±19		**10**	**0-9**	
EIDC	I	14 03 54 11.7	68.7N	22.9E	0	3.3L			¶97i1950
HEL	I	14 03 54 15	68.85N	22.56E		2.6L			
BER	I	14 03 54 15.5	68.9N	22.3E	8	2.4L,2.3D			
EIDC	**I**	**14 11 48 09.9**	**63.2N**	**27.6E**	**0**	**2.8L**		**2-8**	
									¶97i1988
ISC	**I**	**21 11 45 09**±1.0	**63.23N**±.078	**27.2E**±.28	**0**		**8**	**2-8**	
EIDC	I	21 11 45 09.2	63.2N	27.7E	0	3.2L			¶97i3176
BER	I	21 11 45 12.5	63.1N	27.6E	0				
EIDC	**I**	**31 15 57 12.7**	**65.8N**	**25.2E**	**0**	**2.6L**		**4-8**	
									¶97i4645
EIDC	**II**	**03 12 01 45.4**	**63.2N**	**27.9E**	**0**	2.5L		**2-8**	
									¶97ii0373
EIDC	**II**	**04 16 03 53.4**	**65.8N**	**25.0E**	**0**	**2.6L**		**4-8**	
									¶97ii0559
ISC	**II**	**08 07 26 34**±1.2	**64.69N**±.096	**24.9E**±.34	**0**		**5**	**3-7**	
EIDC	II	08 07 26 35.1	64.6N	25.3E	0	2.6L			¶97ii1110
HEL	II	08 07 26 38	64.60N	25.36E		2.0L			
HEL		MD2.3							
EIDC	**II**	**10 16 03 15.9**	**65.8N**	**25.0E**	**0**	**2.6L**		**4-8**	
									¶97ii1483
EIDC	**II**	**14 16 06 46.7**	**65.8N**	**25.1E**	**0**	**2.5L**		**4-8**	
									¶97ii2076
EIDC	**II**	**21 11 43 28.5**	**63.1N**	**27.6E**	**0**	**3.0L**		**2-8**	
									¶97ii3064
EIDC	**II**	**28 16 03 57.5**	**65.8N**	**25.3E**	**0**	**2.7L**		**4-8**	
									¶97ii4287
ISC	**III**	**05 11 59 02**±2.9	**62.4N**±.20	**29.4E**±.58	**0**		**8**	**2-9**	
BER	III	05 11 58 59.4	61.9N	30.6E	0				¶97iii1053
EIDC	III	05 11 59 00.3	62.2N	30.1E	0	3.2L			
EIDC	**III**	**07 16 04 34.3**	**65.8N**	**25.0E**	**0**	**2.6L**		**4-8**	
									¶97iii1544
ISC	**III**	**14 12 10 28**±2.2	**63.3N**±.13	**27.2E**±.53	**0**		**4**	**2-8**	
EIDC	III	14 12 10 28.9	63.2N	27.5E	0	2.8L			¶97iii2870
ISC		Poorly determined							
ISC	**III**	**20 18 01 35**±1.5	**65.8N**±.12	**24.5E**±.49	**0**		**4**	**4-8**	
EIDC	III	20 18 01 36.0	65.8N	24.8E	0	2.7L			¶97iii3933
ISC		Poorly determined							
ISC	**III**	**21 11 43 53**±1.1	**62.09N**±.069	**26.6E**±.27	**0**		**8**	**1-7**	
EIDC	III	21 11 43 38.6	60.8N	29.1E	0	3.6L			¶97iii4066
BER	III	21 11 43 43.3	61.0N	28.9E	0				
EIDC	**III**	**21 16 17 53.0**	**65.8N**	**25.0E**	**0**	**2.8L**		**4-8**	
									¶97iii4097
ISC	**III**	**25 09 31 20**±3.0	**62.6N**±.16	**28.8E**±.63	**0**		**7**	**2-8**	
BER	III	25 09 31 15.0	62.0N	30.4E	0				¶97iii4704
EIDC	III	25 09 31 15.9	62.2N	29.9E	0	2.9L			
BER	**III**	**25 11 35 01.4**	**61.7N**	**22.2E**	**0**				¶97iii4716
ISC	**III**	**27 11 44 35**±2.1	**63.1N**±.10	**27.8E**±.48	**0**		**7**	**2-8**	
EIDC	III	27 11 44 36.3	63.1N	27.8E	0	3.0L			¶97iii5213
BER	III	27 11 44 37.9	63.1N	28.1E	0				
HEL	**III**	**30 21 02 01**	**68.04N**	**23.83E**		**2.1L**			¶97iii5807
EIDC	III	30 21 02 00.5	68.1N	23.7E	0	2.7L			
EIDC	**IV**	**07 10 55 27.2**	**63.2N**	**26.3E**	**0**	**2.8L**		**2-7**	
									¶97iv1146
EIDC	**IV**	**09 10 56 21.8**	**63.0N**	**28.0E**	**0**	3.1L		**2-8**	
									¶97iv1502
ISC	**IV**	**09 13 06 32.0**±.65	**63.68N**±.064	**21.7E**±.13	**0**		**13**	**1-15**	
HEL	IV	09 13 06 34	63.37N	21.28E		2.5L			¶97iv1518
EIDC	IV	09 13 06 34.4	63.6N	21.8E	0	2.8L			
HEL		MD3.0							
EIDC	**IV**	**10 17 07 42.6**	**63.8N**	**25.9E**	**0**	2.4L		**2-7**	
									¶97iv1717
EIDC	**IV**	**16 14 56 57.5**	**65.8N**	**24.9E**	**0**	**2.8L**		**4-8**	
									¶97iv2776
EIDC	**IV**	**21 18 04 55.0**	**60.5N**	**24.2E**	**0**	**2.5L**		**1-9**	
									¶97iv3548
ISC	**IV**	**22 10 46 10**±1.1	**63.24N**±.080	**27.3E**±.31	**0**		**8**	**2-8**	
EIDC	IV	22 10 46 11.2	63.2N	27.2E	0	2.9L			¶97iv3705
BER	IV	22 10 46 13.1	63.1N	27.8E	0				
ISC	**IV**	**24 12 41 06**±1.7	**60.3N**±.20	**21.9E**±.19	**0**		**8**	**2-9**	
EIDC	IV	24 12 41 05.2	59.9N	22.2E	0	3.1L			¶97iv4145
BER	IV	24 12 41 06.0	59.8N	22.5E	0				
ISC	**IV**	**24 13 08 31**±2.9	**60.2N**±.35	**22.0E**±.32	**0**		**4**	**2-10**	
EIDC	IV	24 13 08 29.6	59.8N	22.2E	0	2.6L			¶97iv4151
ISC		Poorly determined							

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
ISC	**IV**	**24 14 32 06**±2.5	**60.2N**±.30	**21.9E**±.29	**0**		**5**	**2-9**
								¶97iv4160
ISC	**IV**	**24 14 49 12**±2.8	**60.2N**±.34	**22.0E**±.32	**0**		**4**	**2-9**
EIDC	IV	24 14 49 10.7	59.9N	22.2E	0	2.9L		¶97iv4162
ISC		Poorly determined						
ISC	**IV**	**24 15 18 53**±3.1	**60.1N**±.37	**22.1E**±.34	**0**		**4**	**2-10**
EIDC	IV	24 15 18 52.1	59.7N	22.4E	0	2.7L		¶97iv4168
ISC		Poorly determined						
ISC	**IV**	**25 10 42 34**±1.2	**63.11N**±.082	**27.6E**±.31	**0**		**8**	**2-8**
EIDC	IV	25 10 42 34.9	63.1N	27.6E	0	2.9L		¶97iv4328
EIDC	**IV**	**30 10 59 55.9**	**66.2N**	**25.0E**	**0**	2.2L		**3-8**
								¶97iv5204
EIDC	**V**	**08 20 37 41.2**	**62.0N**	**24.3E**	**0**	2.7L		**1-8**
								¶97v1307
EIDC	**V**	**09 06 56 34.5**	**60.5N**	**24.3E**	**0**	3.1L		**1-9**
								¶97v1377
BER	**V**	**09 11 43 10.9**	**68.3N**	**27.3E**	**0**	**2.2L,2.0D**		**¶97v1416**
BER	**V**	**11 23 29 33.8**	**68.2N**	**26.0E**	**0**			**¶97v1862**
ISC	**V**	**14 10 46 42**±1.0	**63.23N**±.079	**27.2E**±.28	**0**		**8**	**2-8**
EIDC	V	14 10 46 41.9	63.2N	27.7E	0	3.0L		¶97v2431
BER	**V**	**14 11 14 52.0**	**63.6N**	**25.9E**	**0**			**¶97v2438**
ISC	**V**	**21 10 49 10**±1.6	**63.2N**±.13	**27.8E**±.41	**0**		**5**	**2-8**
BER	V	21 10 49 13.7	63.0N	28.0E	0			¶97v3550
BER	**V**	**28 09 33 43.5**	**60.2N**	**22.3E**	**0**			**¶97v4696**
ISC	**V**	**28 13 24 52**±2.0	**60.6N**±.26	**21.9E**±.25	**0**		**5**	**2-18**
BER	V	28 13 24 53.1	60.2N	22.3E	0			¶97v4726
ISC	**V**	**28 14 24 30**±2.4	**60.4N**±.29	**22.1E**±.28	**0**		**5**	**2-18**
BER	V	28 14 24 28.8	59.8N	22.5E	0			¶97v4735
ISC	**V**	**29 06 04 55**±2.5	**60.4N**±.31	**21.9E**±.30	**0**		**4**	**2-9**
EIDC	V	29 06 04 55.4	60.3N	22.1E	0	2.8L		¶97v4828
ISC		Poorly determined						
BER	**V**	**30 07 27 32.2**	**61.5N**	**22.0E**	**0**			**¶97v4993**
ISC	**VI**	**02 10 51 40**±1.4	**63.2N**±.12	**27.4E**±.39	**0**		**5**	**2-8**
BER	VI	02 10 51 41.5	63.0N	28.1E	0			¶97vi0224
EIDC	**VI**	**02 12 28 43.1**	**61.2N**	**21.6E**	**0**	**2.6L**		**2-8**
								¶97vi0238
ISC	**VI**	**04 11 18 53**±1.5	**60.4N**±.18	**21.8E**±.18	**0**		**8**	**2-9**
EIDC	VI	04 11 18 51.9	59.9N	22.1E	0	3.0L		¶97vi0607
BER	VI	04 11 18 53.2	59.9N	22.3E	0			
ISC	**VI**	**04 14 15 38**±1.5	**60.4N**±.18	**21.8E**±.18	**0**		**8**	**2-9**
BER	VI	04 14 15 37.6	59.9N	22.3E	0			¶97vi0625
EIDC	VI	04 14 15 38.2	60.2N	22.0E	0	3.0L		
ISC	**VI**	**05 12 02 38**±1.6	**60.4N**±.19	**21.8E**±.18	**0**		**8**	**2-9**
BER	VI	05 12 02 37.0	59.8N	22.3E	0			¶97vi0762
EIDC	VI	05 12 02 37.7	60.2N	22.1E	0	3.0L		
BER	**VI**	**09 10 47 08.0**	**63.1N**	**27.7E**	**0**			**¶97vi1382**
ISC	**VI**	**13 18 54 38**±1.6	**65.9N**±.20	**24.7E**±.41	**15**		**4**	**4-8**
BER	VI	13 18 54 42.7	65.8N	25.0E	15			¶97vi2026
ISC		Poorly determined						
BER	**VI**	**16 11 25 54.4**	**63.4N**	**28.4E**	**0**			**¶97vi2448**
BER	**VI**	**17 12 32 16.6**	**60.4N**	**22.6E**	**0**			**¶97vi2629**
ISC	**VI**	**25 10 51 50**±1.8	**63.0N**±.15	**27.6E**±.45	**0**		**4**	**2-8**
BER	VI	25 10 51 53.8	62.9N	27.8E	0			¶97vi3915
ISC		Poorly determined						

(722) Norway-USSR border region.

ISC	**I**	**05 12 27 15**±1.1	**69.42N**±.068	**30.3E**±.31	**0**		**10**	**2-12**
EIDC	I	05 12 27 15.7	69.3N	30.9E	0	3.2L		¶97i0667
ISC	**I**	**10 12 33 46**±1.7	**69.34N**±.089	**30.8E**±.49	**0**		**10**	**2-12**
BER	I	10 12 33 50.7	69.4N	30.7E	0	2.3L,2.3D		¶97i1363
EIDC	I	10 12 33 51.4	69.1N	30.2E	0	3.4L		
ISC	**I**	**15 12 18 16**±1.6	**69.40N**±.086	**30.6E**±.41	**0**		**12**	**2-46**
BER	I	15 12 18 22.4	69.4N	30.7E	0	2.6L,2.5D		¶97i2152
EIDC	I	15 12 18 23.4	69.1N	30.1E	0	3.5L		
ISC	**I**	**17 12 06 48**±1.6	**69.35N**±.070	**31.6E**±.45	**0**		**11**	**2-12**
EIDC	I	17 12 06 54.0	69.4N	30.7E	0	3.2L		¶97i2444
BER	I	17 12 06 55.1	69.4N	30.7E	0	2.5L,2.4D		
ISC	**I**	**17 12 09 25**±1.3	**69.36N**±.087	**30.3E**±.30	**0**		**10**	**2-12**
BER	I	17 12 09 28.7	69.3N	30.5E	0	2.8L,2.4D		¶97i2445
EIDC	I	17 12 09 30.0	69.2N	30.2E	0	3.5L		
EIDC	**I**	**29 12 13 45.0**	**70.0N**	**30.6E**	**0**	**3.4L**		**2-12**
								¶97i4348
ISC	**I**	**31 12 00 54**±1.0	**69.45N**±.068	**29.9E**±.37	**0**		**10**	**2-12**
EIDC	I	31 12 00 56.4	69.4N	30.6E	0	3.3L		¶97i4622
ISC	**III**	**11 08 11 15**±2.4	**69.1N**±.20	**29.7E**±.42	**0**		**5**	**2-11**
BER	III	11 08 11 15.3	69.3N	30.6E	0			¶97iii2343
ISC	**III**	**12 12 13 26**±1.0	**69.45N**±.068	**29.9E**±.37	**0**		**10**	**2-12**
EIDC	III	12 12 13 28.1	69.4N	30.7E	0	3.1L		¶97iii2533

(723) Finland-USSR border region.

ISC	**I**	**10 09 59 58**±3.6	**64.7N**±.15	**30.0E**±.89	**0**		**4**	**4-9**
EIDC	I	10 09 59 57.1	64.7N	30.7E	0	3.2L		¶97i1343
ISC		Poorly determined						
ISC	**I**	**14 12 54 26**±4.6	**60.9N**±.29	**29.0E**±.53	**0**		**4**	**2-9**
EIDC	I	14 12 54 28.6	60.8N	29.0E	0	3.3L		¶97i1995
ISC		Poorly determined						
ISC	**I**	**15 10 00 04**±1.4	**64.76N**±.090	**29.9E**±.38	**0**		**8**	**3-9**
EIDC	I	15 10 00 01.9	64.6N	31.0E	0	3.0L		¶97i2133
EIDC	**I**	**17 09 59 54.2**	**64.7N**	**30.7E**	**0**	**2.9L**		**4-10**
								¶97i2426
ISC	**I**	**22 11 59 51**±1.4	**64.76N**±.080	**30.0E**±.36	**0**		**10**	**3-14**
EIDC	I	22 11 59 50.6	64.7N	30.9E	0	3.8L		¶97i3324
BER	I	22 11 59 53.3	64.7N	30.7E	0			
ISC	**I**	**23 09 59 37**±1.1	**64.78N**±.089	**30.1E**±.32	**0**		**9**	**3-9**
BER	I	23 09 59 38.5	64.6N	30.9E	0			¶97i3477
EIDC	I	23 09 59 39.9	64.8N	29.9E	0	3.3L		
ISC	**I**	**23 11 31 26**±3.4	**60.8N**±.25	**28.7E**±.37	**0**		**5**	**1-9**
BER	I	23 11 31 29.9	60.7N	28.7E	0			¶97i3492
HEL	**I**	**27 21 46 13**	**65.95N**	**29.33E**		**1.3L**		**¶97i4130**
ISC	**I**	**28 13 11 30**±3.0	**60.9N**±.20	**29.0E**±.33	**0**		**8**	**2-9**
EIDC	I	28 13 11 31.5	60.9N	29.1E	0	3.7L		¶97i4214
BER	I	28 13 11 40.3	61.2N	28.4E	0			
ISC	**I**	**29 10 00 08**±4.2	**64.6N**±.16	**30E**±1.0	**0**		**4**	**4-10**
EIDC	I	29 10 00 08.9	64.6N	30.9E	0	3.4L		¶97i4333
ISC		Poorly determined						
BER	**I**	**29 11 43 02.8**	**62.0N**	**30.2E**	**0**			**¶97i4343**
ISC	**I**	**30 12 52 03**±4.6	**60.9N**±.29	**28.9E**±.53	**0**		**4**	**1-9**
BER	I	30 12 52 07.3	60.8N	29.0E	0			¶97i4487
ISC		Poorly determined						
EIDC	**I**	**31 10 28 59.7**	**64.7N**	**30.7E**	**0**	**3.0L**		**4-18**
								¶97i4612
EIDC	**II**	**07 10 00 00.0**	**64.7N**	**30.7E**	**0**	**2.8L**		**4-10**
								¶97ii0976
ISC	**II**	**12 09 42 25**±4.1	**61.2N**±.29	**29.8E**±.49	**0**		**8**	**2-9**
EIDC	II	12 09 42 24.5	60.8N	30.2E	0	3.2L		¶97ii1742
BER	II	12 09 42 29.5	61.2N	29.9E	0			
ISC	**II**	**12 09 59 54**±1.4	**64.83N**±.089	**30.0E**±.38	**0**		**8**	**3-9**
EIDC	II	12 09 59 54.1	64.8N	30.3E	0	2.9L		¶97ii1743
BER	II	12 09 59 55.4	64.6N	30.9E	0			
ISC	**II**	**14 12 31 48**±3.0	**61.1N**±.22	**28.7E**±.32	**0**		**8**	**1-9**
EIDC	II	14 12 31 48.2	60.9N	29.0E	0	3.7L		¶97ii2056
BER	II	14 12 31 51.1	61.0N	28.9E	0			
EIDC	**II**	**19 09 59 59.0**	**64.8N**	**30.7E**	**0**	**3.0L**		**4-10**
								¶97ii2762
ISC	**II**	**19 11 09 11**±3.7	**60.5N**±.21	**28.5E**±.45	**0**		**7**	**1-9**
EIDC	II	19 11 09 12.1	60.5N	28.6E	0	2.9L		¶97ii2776
EIDC	**II**	**21 10 07 07.5**	**64.7N**	**30.5E**	**0**	2.9L		**4-10**
								¶97ii3050
ISC	**II**	**21 12 15 26**±5.2	**61.0N**±.15	**28.9E**±.49	**10**±23		**8**	**1-15**
EIDC	II	21 12 15 25.6	60.9N	29.0E	0	3.8L		¶97ii3067
ISC	**II**	**23 10 41 55**±4.0	**61.1N**±.29	**29.9E**±.48	**0**		**8**	**2-9**
EIDC	II	23 10 41 58.2	61.2N	29.9E	0	3.1L		¶97ii3319
BER	II	23 10 42 00.6	61.2N	29.8E	0			
ISC	**II**	**26 13 35 42**±4.3	**60.8N**±.26	**28.6E**±.51	**0**		**4**	**1-9**
BER	II	26 13 35 46.1	60.7N	28.6E	0			¶97ii3795
ISC		Poorly determined						
ISC	**II**	**27 14 50 14**±4.0	**61.1N**±.28	**29.9E**±.47	**0**		**8**	**2-9**
EIDC	II	27 14 50 17.5	60.9N	29.8E	0	3.4L		¶97ii3972
EIDC	**II**	**28 09 03 32.3**	**61.2N**	**29.7E**	**0**	**2.9L**		**2-9**
								¶97ii4194
ISC	**II**	**28 12 00 11**±3.4	**64.8N**±.14	**29.8E**±.85	**0**		**4**	**4-9**
EIDC	II	28 12 00 09.4	64.7N	30.7E	0	2.8L		¶97ii4238
ISC		Poorly determined						
EIDC	**III**	**05 09 59 50.6**	**64.7N**	**30.4E**	**0**	**2.8L**		**4-10**
								¶97iii1031
ISC	**III**	**05 12 29 20**±3.4	**61.0N**±.22	**29.2E**±.37	**0**		**7**	**2-9**
EIDC	III	05 12 29 22.4	61.0N	29.2E	0	3.6L		¶97iii1058
BER	III	05 12 29 24.6	61.0N	29.1E	0			
ISC	**III**	**07 09 00 31**±2.6	**60.8N**±.18	**28.8E**±.27	**0**		**8**	**1-9**
EIDC	III	07 09 00 32.8	60.7N	28.8E	0	3.5L		¶97iii1484
EIDC	**III**	**15 09 59 45.3**	**64.7N**	**30.3E**	**0**	**2.9L**		**4-9**
								¶97iii3028
EIDC	**III**	**20 13 25 26.4**	**61.3N**	**29.7E**	**0**	**3.0L**		**2-9**
								¶97iii3899
HEL	**III**	**22 13 38 52**	**65.77N**	**29.90E**		**1.3L**		**¶97iii4272**
HEL		Felt						
EIDC	**III**	**26 09 59 37.1**	**64.8N**	**29.8E**	**0**	**3.1L**		**4-9**
								¶97iii4918
ISC	**III**	**28 10 00 05**±3.3	**64.8N**±.14	**29.7E**±.84	**0**		**4**	**4-9**
EIDC	III	28 10 00 05.8	64.8N	29.9E	0	2.7L		¶97iii5414
ISC		Poorly determined						
ISC	**III**	**28 12 36 51**±4.6	**61.1N**±.30	**29.9E**±.55	**0**		**7**	**2-9**
EIDC	III	28 12 36 56.2	61.4N	29.8E	0	3.1L		¶97iii5440
ISC	**III**	**31 12 01 15**±5.7	**61.1N**±.38	**29.9E**±.67	**0**		**4**	**2-9**
BER	III	31 12 01 20.0	61.1N	29.8E	0			¶97iii5885
ISC		Poorly determined						
ISC	**IV**	**03 10 39 51**±3.0	**60.7N**±.21	**28.9E**±.33	**0**		**8**	**2-9**
EIDC	IV	03 10 39 55.1	60.8N	28.5E	0	2.9L		¶97iv0414
ISC	**IV**	**03 11 56 47**±4.2	**61.0N**±.27	**29.3E**±.50	**0**		**7**	**2-9**
EIDC	IV	03 11 56 49.2	61.1N	29.3E	0	2.8L		¶97iv0423
ISC	**IV**	**04 09 00 11**±1.3	**64.80N**±.086	**30.0E**±.38	**0**		**9**	**3-14**
EIDC	IV	04 09 00 11.2	64.7N	30.6E	0	3.2L		¶97iv0581
BER	IV	04 09 00 12.9	64.7N	30.7E	0			
ISC	**IV**	**04 09 23 48**±2.8	**60.6N**±.17	**28.8E**±.32	**0**		**7**	**2-9**
EIDC	IV	04 09 23 50.2	60.5N	28.8E	0	3.1L		¶97iv0584
BER	IV	04 09 23 52.0	60.6N	29.0E	0			
EIDC	**IV**	**05 10 40 29.4**	**67.5N**	**29.7E**	**0**	**2.7L**		**3-10**
								¶97iv0754
ISC	**IV**	**07 12 03 03**±2.8	**60.9N**±.20	**29.0E**±.29	**0**		**8**	**1-9**
EIDC	IV	07 12 03 07.1	61.1N	28.9E	0	3.6L		¶97iv1152
EIDC	**IV**	**11 10 00 00.2**	**64.7N**	**30.5E**	**0**	**3.1L**		**4-10**
								¶97iv1861
ISC	**IV**	**15 16 07 55**±12	**61.0N**±.50	**28.8E**±.96	**10**±38		**9**	**1-18**
EIDC	IV	15 16 07 55.6	60.8N	28.9E	0	3.7L		¶97iv2622
BER	IV	15 16 07 57.8	61.0N	29.0E	0			
ISC	**IV**	**18 09 00 09**±1.3	**64.81N**±.086	**30.0E**±.38	**0**		**9**	**3-14**
EIDC	IV	18 09 00 11.4	64.8N	30.1E	0	3.4L		¶97iv3046
ISC	**IV**	**18 09 08 12**±4.7	**61.3N**±.15	**29.6E**±.41	**3**±23	3.3b	**11**	**2-54**
EIDC	IV	18 09 08 13.4	61.2N	29.8E	0	3.8L,3.2b		¶97iv3048
BER	IV	18 09 08 15.1	61.2N	29.8E	0			
ISC	**IV**	**22 11 24 16**±3.3	**60.7N**±.24	**28.6E**±.36	**0**		**5**	**1-9**
BER	IV	22 11 24 20.3	60.7N	28.6E	0			¶97iv3714
BER	**IV**	**23 10 30 40.1**	**61.9N**	**30.4E**	**0**			**¶97iv3933**
ISC	**IV**	**23 11 41 58**±4.5	**61.1N**±.29	**29.6E**±.54	**0**		**7**	**2-9**
BER	IV	23 11 42 02.3	61.2N	29.8E	0			¶97iv3950
EIDC	IV	23 11 42 07.9	61.5N	28.8E	0	3.4L		
ISC	**IV**	**23 11 58 32**±4.0	**61.2N**±.29	**29.5E**±.49	**0**		**8**	**2-9**
BER	IV	23 11 58 34.9	61.1N	29.8E	0			¶97iv3954
EIDC	IV	23 11 58 35.4	61.2N	29.5E	0	3.4L		
ISC	**IV**	**24 11 17 26**±2.5	**60.6N**±.18	**28.9E**±.26	**0**		**8**	**2-9**
EIDC	IV	24 11 17 26.6	60.6N	29.2E	0	3.2L		¶97iv4132
ISC	**V**	**06 11 04 35**±2.9	**60.6N**±.18	**28.9E**±.32	**0**		**7**	**2-9**
EIDC	V	06 11 04 36.7	60.6N	29.1E	0	3.2L		¶97v0952
BER	V	06 11 04 39.7	60.6N	28.9E	0			
ISC	**V**	**08 09 59 57**±1.4	**64.79N**±.091	**30.1E**±.39	**0**		**8**	**3-9**
EIDC	V	08 09 59 56.5	64.7N	30.5E	0	3.1L		¶97v1220
ISC	**V**	**14 09 58 06**±1.8	**61.1N**±.12	**29.9E**±.28	**0**		**9**	**2-15**
EIDC	V	14 09 58 09.3	61.2N	29.8E	0	3.3L		¶97v2425
BER	V	14 09 58 10.6	61.2N	29.8E	0			
ISC	**V**	**16 08 59 55**±1.3	**64.79N**±.085	**30.0E**±.38	**0**		**9**	**3-14**
EIDC	V	16 08 59 56.2	64.7N	30.4E	0	3.1L		¶97v2745
ISC	**V**	**20 12 39 28**±4.1	**61.2N**±.27	**29.7E**±.47	**0**		**7**	**2-9**
EIDC	V	20 12 39 29.1	61.2N	29.9E	0	3.5L		¶97v3399
ISC	**V**	**21 10 09 23**±4.0	**61.2N**±.29	**29.8E**±.48	**0**		**9**	**2-18**
EIDC	V	21 10 09 23.7	60.9N	30.1E	0	3.7L		¶97v3544
BER	V	21 10 09 27.8	61.1N	29.8E	0			

BER	**V**	**28 08 59 58.4**	**64.7N**	**30.5E**	**0**			¶97v4688
ISC	**VI**	**03 11 31 10**±1.2	**61.2N**±.12	**28.7E**±.14	**13**		**9**	**1-16**
BER	VI	03 11 31 10.4	61.0N	29.0E	0			¶97vi0440
EIDC	VI	03 11 31 12.2	61.1N	28.8E	13	4.0L		
ISC	**VI**	**17 09 16 52**±3.7	**60.8N**±.29	**28.6E**±.40	**0**		**4**	**1-8**
BER	VI	17 09 16 56.6	60.9N	28.7E	0			¶97vi2587
ISC		Poorly determined						
ISC	**VI**	**24 12 48 18**±3.9	**60.9N**±.31	**28.8E**±.42	**0**		**4**	**1-8**
BER	VI	24 12 48 22.3	60.8N	28.9E	0			¶97vi3711
ISC		Poorly determined						
BER	**VI**	**25 09 00 11.2**	**64.6N**	**30.5E**	**0**			¶97vi3876
ISC	**VI**	**26 11 31 30**±3.8	**60.9N**±.30	**28.7E**±.41	**0**		**4**	**1-8**
BER	VI	26 11 31 34.5	61.0N	28.9E	0			¶97vi4129
ISC		Poorly determined						
ISC	**VI**	**30 11 33 16**±3.6	**60.9N**±.28	**28.9E**±.39	**0**		**5**	**1-18**
BER	VI	30 11 33 20.6	60.9N	28.9E	0			¶97vi4753

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ISC	**I**	**05 12 29 11**±1.8	**67.56N**±.078	**34.8E**±.41	**0**		**10**	**1-12**
EIDC	I	05 12 29 15.2	67.6N	34.1E	0	3.3L		¶97i0668
BER	I	05 12 29 18.5	67.6N	34.0E	0			
ISC	**I**	**06 13 47 15**±3.8	**61.0N**±.29	**29.0E**±.42	**0**		**5**	**2-9**
BER	I	06 13 47 19.6	61.0N	29.0E	0			¶97i0790
EIDC	**I**	**08 09 55 19.2**	**55.5N**	**30.3E**	**0**	**3.3L**		**6-14**
								¶97i1046
EIDC	**I**	**08 11 11 40.8**	**59.3N**	**26.9E**	**13**	3.2L		**2-10**
								¶97i1053
ISC	**I**	**08 13 09 22**±6.7	**58.6N**±.46	**28.7E**±.65	**0**		**8**	**3-11**
BER	I	08 13 09 36.7	59.4N	27.7E	0			¶97i1065
EIDC	I	08 13 09 37.2	59.4N	27.3E	0	2.9L		
ISC	**I**	**11 09 43 35**±2.9	**68.2N**±.10	**32.4E**±.82	**0**		**5**	**3-12**
EIDC	I	11 09 43 38.3	68.2N	32.4E	0	3.1L		¶97i1504
EIDC	**I**	**11 10 00 12.2**	**50.3N**	**34.5E**	**0**	**3.4L**		**9-20**
								¶97i1507
EIDC	**I**	**12 07 17 46.9**	**67.8N**	**33.5E**	**0**	**2.7L**		**3-12**
								¶97i1638
EIDC	**I**	**12 09 37 16.8**	**68.1N**	**62.7E**	**0**	**3.2L**,3.4b		**13-23**
								¶97i1657
EIDC	**I**	**13 14 13 50.1**	**59.3N**	**27.6E**	**0**	3.0L		**2-10**
								¶97i1852
EIDC	**I**	**14 12 26 21.2**	**59.3N**	**27.7E**	**0**	**3.1L**		**2-10**
								¶97i1991
ISC	**I**	**15 10 35 19**±1.2	**64.6N**±.13	**31.3E**±.25	**0**		**5**	**4-16**
EIDC	I	15 10 35 21.1	64.6N	31.4E	0	2.8L		¶97i2138
EIDC	**I**	**20 13 35 18.8**	**55.7N**	**24.4E**	**0**	**3.1L**		**6-9**
								¶97i3010
ISC	**I**	**20 14 02 00**±7.0	**58.6N**±.48	**28.1E**±.67	**0**		**8**	**3-11**
EIDC	I	20 14 02 14.3	59.4N	27.0E	0	2.9L		¶97i3013
ISC	**I**	**21 11 51 36**±2.0	**67.60N**±.082	**34.6E**±.44	**0**		**9**	**1-12**
BER	I	21 11 51 42.9	67.6N	33.9E	0	2.8D		¶97i3177
EIDC	I	21 11 51 45.2	67.6N	33.0E	0	3.3L		
ISC	**I**	**22 12 20 03**±8.7	**58.6N**±.62	**29.1E**±.82	**0**		**5**	**3-11**
BER	I	22 12 20 16.9	59.2N	28.1E	0			¶97i3326
EIDC	**I**	**24 09 00 35.0**	**52.3N**	**33.4E**	**0**	3.4L,3.0b		**3-63**
								¶97i3621
ISC	**I**	**24 09 20 57**±10	**60.0N**±.61	**32E**±1.2	**0**		**7**	**3-10**
EIDC	I	24 09 21 17.7	60.8N	29.7E	0	3.0L		¶97i3629
BER	I	24 09 21 21.0	61.1N	29.8E	0			
ISC	**I**	**24 11 13 41**±3.1	**60.8N**±.20	**29.3E**±.34	**0**		**7**	**2-9**
EIDC	I	24 11 13 47.9	61.1N	28.9E	0	3.4L		¶97i3638
BER	I	24 11 13 49.2	61.0N	29.0E	0			
BER	**I**	**24 12 30 07.0**	**67.6N**	**34.0E**	**0**			¶97i3648
ISC	**I**	**26 07 19 33**±1.1	**67.42N**±.082	**32.7E**±.30	**0**		**8**	**0-11**
EIDC	I	26 07 19 35.9	67.5N	32.4E	0	3.4L		¶97i3905
ISC	**I**	**29 12 18 17**±2.5	**59.0N**±.15	**30.5E**±.40	**0**		**6**	**3-14**
BER	I	29 12 18 20.7	59.0N	30.5E	0			¶97i4350
EIDC	**I**	**30 09 24 33.0**	**63.1N**	**34.1E**	**0**	**3.2L**		**4-11**
								¶97i4458
BER	**I**	**31 09 10 39.8**	**67.7N**	**33.9E**	**0**			¶97i4607
ISC	**II**	**01 08 41 53**±2.8	**67.4N**±.12	**35.4E**±.55	**0**		**8**	**1-12**
BER	II	01 08 42 03.0	67.7N	34.2E	0			¶97ii0046
EIDC	II	01 08 42 08.2	67.5N	32.7E	0	3.4L		
EIDC	**II**	**02 08 40 32.5**	**64.2N**	**37.4E**	**0**	**2.9L**		**6-12**
								¶97ii0197
ISC	**II**	**03 12 55 26**±3.9	**60.9N**±.25	**29.3E**±.46	**0**		**7**	**2-9**
EIDC	II	03 12 55 30.1	61.0N	29.1E	0	3.4L		¶97ii0377
BER	II	03 12 55 32.4	60.9N	28.9E	0			
ISC	**II**	**04 09 48 28**±8.7	**58.6N**±.62	**29.0E**±.83	**0**		**5**	**3-11**
BER	II	04 09 48 41.5	59.2N	28.1E	0			¶97ii0497
ISC	**II**	**05 08 17 56**±2.0	**67.64N**±.082	**35.1E**±.45	**0**		**10**	**1-12**
BER	II	05 08 18 02.9	67.7N	34.2E	0	3.1D		¶97ii0659
EIDC	II	05 08 18 03.8	67.6N	33.6E	0	3.4L		
BER	**II**	**06 10 57 32.9**	**56.4N**	**23.0E**	**0**			¶97ii0825
ISC	**II**	**06 12 13 38**±2.4	**67.38N**±.099	**35.1E**±.50	**0**		**7**	**1-12**
BER	II	06 12 13 50.6	67.7N	33.9E	0			¶97ii0835
ISC	**II**	**06 12 31 07**±3.4	**59.6N**±.22	**27.0E**±.39	**0**		**8**	**2-10**
BER	II	06 12 31 08.0	59.2N	27.1E	0			¶97ii0837
EIDC	II	06 12 31 08.0	59.4N	27.3E	0	3.1L		
ISC	**II**	**07 10 50 27**±2.9	**60.9N**±.21	**29.1E**±.30	**0**		**8**	**2-9**
EIDC	II	07 10 50 30.4	61.0N	29.1E	0	3.5L		¶97ii0979
BER	II	07 10 50 32.9	61.0N	29.0E	0			
BER	**II**	**10 11 30 16.8**	**59.4N**	**28.0E**	**0**			¶97ii1451
EIDC	II	10 11 30 11.9	59.1N	28.0E	0	2.9L		
ISC	**II**	**13 13 01 05**±3.2	**60.9N**±.21	**29.1E**±.35	**0**		**7**	**2-9**
EIDC	II	13 13 01 05.1	60.8N	29.3E	0	3.2L		¶97ii1926
BER	**II**	**14 10 55 07.6**	**67.6N**	**34.1E**	**0**			¶97ii2047
ISC	**II**	**17 12 10 09**±6.8	**58.5N**±.47	**28.9E**±.66	**0**		**8**	**3-11**
BER	II	17 12 10 24.1	59.3N	27.8E	0			¶97ii2491
EIDC	II	17 12 10 25.1	59.4N	27.5E	0	3.0L		
EIDC	**II**	**18 12 02 04.2**	**61.0N**	**29.1E**	**0**	3.2L		**2-9**
								¶97ii2640
ISC	**II**	**21 09 14 33**±5.7	**67.6N**±.13	**33E**±1.1	**23**±27		**5**	**0-12**
BER	II	21 09 14 35.6	67.7N	33.9E	0			¶97ii3044
ISC		Poorly determined						
BER	**II**	**21 10 57 43.5**	**67.6N**	**33.8E**	**0**			¶97ii3056
EIDC	**II**	**21 11 10 44.2**	**68.1N**	**32.3E**	**0**	**3.0L**		**3-12**
								¶97ii3058
ISC	**II**	**22 08 02 03**±4.1	**63.4N**±.21	**33.1E**±.82	**0**		**8**	**4-10**
EIDC	II	22 08 01 37.6	62.2N	37.9E	0	3.3L		¶97ii3183
BER	II	22 08 02 00.2	62.9N	34.6E	0			
EIDC	**II**	**22 11 30 53.2**	**67.5N**	**30.7E**	**0**	**2.8L**		**3-11**
								¶97ii3198
BER	**II**	**26 07 56 21.1**	**67.7N**	**34.1E**	**0**			¶97ii3762
ISC	**II**	**26 12 52 15**±6.8	**58.6N**±.46	**28.9E**±.65	**0**		**8**	**3-11**
EIDC	II	26 12 52 28.5	59.3N	27.7E	0	2.8L		¶97ii3790
ISC	**II**	**27 09 27 21**±1.1	**51.7N**±.13	**38.2E**±.28	**0**	3.9b	**7**	**4-43**
EIDC	II	27 09 27 23.2	51.8N	38.2E	0	3.6L,4.1b		¶97ii3938
BER	**II**	**27 10 25 05.0**	**59.3N**	**28.0E**	**0**			¶97ii3945
EIDC	II	27 10 25 04.0	59.3N	27.6E	0	3.1L		
BER	**II**	**28 10 20 19.2**	**67.7N**	**34.1E**	**0**			¶97ii4209
ISC	**III**	**01 11 49 28**±1.0	**67.91N**±.095	**31.5E**±.21	**0**		**10**	**1-11**
BER	III	01 11 49 32.3	67.9N	32.0E	0			¶97iii0101
EIDC	III	01 11 49 38.3	67.6N	29.9E	0	2.9L		
BER	**III**	**01 13 41 36.9**	**67.7N**	**33.7E**	**0**			¶97iii0117
HEL	**III**	**09 19 36 26**	**66.85N**	**31.32E**		**2.0L**		¶97iii2070
EIDC	III	09 19 36 26.8	67.1N	31.2E	0	3.0L		
ISC	**III**	**11 12 21 04**±1.2	**58.7N**±.12	**28.7E**±.21	**0**		**6**	**3-11**
BER	III	11 12 21 14.9	59.2N	27.9E	0			¶97iii2375
EIDC	**III**	**11 12 55 42.8**	**60.9N**	**29.1E**	**0**	2.8L		**2-9**
								¶97iii2377
BER	**III**	**12 11 51 47.9**	**59.2N**	**28.1E**	**0**			¶97iii2529
BER	**III**	**14 09 36 09.8**	**67.7N**	**33.9E**	**0**			¶97iii2848
ISC	**III**	**14 12 45 44**±3.2	**60.9N**±.21	**29.2E**±.35	**0**		**7**	**2-9**
EIDC	III	14 12 45 49.1	61.1N	29.0E	0	3.7L		¶97iii2878
ISC	**III**	**17 11 26 27**±2.0	**59.1N**±.13	**28.1E**±.31	**0**		**9**	**3-13**
BER	III	17 11 26 32.1	59.2N	27.9E	0			¶97iii3372
EIDC	III	17 11 26 34.2	59.4N	27.5E	0	2.9L		
BER	**III**	**18 09 40 33.2**	**59.1N**	**28.1E**	**0**			¶97iii3519
EIDC	III	18 09 40 35.9	59.3N	27.6E	0	2.9L		
BER	**III**	**18 11 30 14.4**	**59.3N**	**28.1E**	**0**			¶97iii3526
BER	**III**	**18 12 21 40.2**	**60.9N**	**29.4E**	**0**			¶97iii3533
ISC	**III**	**19 08 31 08**±2.4	**67.7N**±.11	**34.7E**±.52	**0**		**6**	**1-12**
BER	III	19 08 31 14.8	67.7N	34.0E	0			¶97iii3669
EIDC	**III**	**19 09 59 52.6**	**64.7N**	**31.3E**	**0**	**3.1L**		**4-10**
								¶97iii3680
ISC	**III**	**19 12 09 32**±2.1	**68.09N**±.072	**34.3E**±.57	**0**		**10**	**1-12**
EIDC	III	19 12 09 38.7	68.0N	33.0E	0	3.3L		¶97iii3701
BER	III	19 12 09 38.9	68.1N	33.2E	0	2.9D		
BER	**III**	**19 12 25 46.2**	**59.2N**	**27.9E**	**0**			¶97iii3704
EIDC	**III**	**21 10 35 33.1**	**54.9N**	**30.8E**	**0**	**3.4L**		**7-15**
								¶97iii4056
BER	**III**	**21 12 08 05.6**	**59.3N**	**27.8E**	**0**			¶97iii4072
ISC	**III**	**23 04 25 29**±3.4	**67.6N**±.11	**34.4E**±.83	**59**±19		**10**	**1-12**
EIDC	III	23 04 25 31.9	67.6N	33.3E	0	3.5L		¶97iii4388
BER	**III**	**25 11 49 40.7**	**60.9N**	**29.1E**	**0**			¶97iii4717
EIDC	III	25 11 49 39.3	61.1N	28.9E	0	3.3L		
BER	**III**	**25 12 03 17.8**	**59.1N**	**27.4E**	**0**			¶97iii4721
BER	**III**	**25 13 28 58.4**	**59.4N**	**27.8E**	**0**			¶97iii4737
EIDC	**III**	**26 12 48 32.8**	**61.0N**	**29.0E**	**0**	**3.6L**		**2-9**
								¶97iii4966
ISC	**III**	**28 09 30 48**±1.1	**67.43N**±.085	**32.6E**±.29	**0**		**7**	**0-11**
EIDC	III	28 09 30 48.5	67.6N	33.0E	0	3.2L		¶97iii5406
BER	III	28 09 30 49.1	67.6N	33.3E	0	2.6L,2.9D		
ISC	**III**	**31 12 31 37**±4.7	**60.9N**±.31	**29.1E**±.55	**0**		**4**	**2-9**
BER	III	31 12 31 42.5	60.8N	29.0E	0			¶97iii5888
ISC		Poorly determined						
BER	**IV**	**01 11 25 04.1**	**59.3N**	**27.7E**	**0**			¶97iv0059
EIDC	IV	01 11 25 02.1	59.4N	28.2E	0	3.0L		
ISC	**IV**	**04 08 00 02**±3.5	**53.4N**±.14	**33.4E**±.62	**0**		**5**	**4-17**
EIDC	IV	04 08 00 02.2	53.4N	33.7E	0	3.6L		¶97iv0570
ISC	**IV**	**04 13 13 39**±5.9	**67.6N**±.16	**31E**±1.5	**0**		**4**	**3-11**
ISC		Poorly determined						¶97iv0617
BER	**IV**	**07 10 21 56.1**	**59.2N**	**28.0E**	**0**			¶97iv1137
EIDC	IV	07 10 21 57.6	59.4N	28.0E	0	2.9L		
BER	**IV**	**08 10 14 35.1**	**60.6N**	**38.0E**	**0**			¶97iv1313
EIDC	**IV**	**08 10 50 42.3**	**61.0N**	**29.7E**	**0**	**2.9L**		**2-9**
								¶97iv1318
ISC	**IV**	**08 10 57 37**±1.4	**55.69N**±.095	**23.2E**±.24	**0**		**9**	**6-14**
BER	IV	08 10 57 46.5	56.2N	22.9E	0			¶97iv1321
EIDC	IV	08 10 57 51.4	56.6N	22.5E	0	3.1L		
ISC	**IV**	**10 10 55 25**±7.7	**59.0N**±.55	**28.2E**±.77	**0**		**5**	**3-11**
BER	IV	10 10 55 33.6	59.3N	27.7E	0			¶97iv1678
BER	**IV**	**11 09 19 10.6**	**67.6N**	**33.9E**	**0**			¶97iv1852
ISC	**IV**	**11 10 18 10**±2.7	**67.78N**±.097	**33.3E**±.70	**0**		**6**	**0-12**
								¶97iv1869
EIDC	**IV**	**11 11 12 22.1**	**63.2N**	**34.1E**	**0**	**3.3L**		**4-11**
								¶97iv1884
ISC	**IV**	**11 11 56 10**±1.5	**68.17N**±.095	**32.4E**±.39	**0**		**6**	**1-12**
BER	IV	11 11 56 14.0	68.1N	33.0E	0	3.2D		¶97iv1893
EIDC	**IV**	**12 08 37 44.4**	**68.0N**	**33.3E**	**0**	**3.1L**		**3-12**
								¶97iv2037
EIDC	**IV**	**15 11 32 46.2**	**60.8N**	**29.8E**	**0**	3.2L		**2-9**
								¶97iv2595
ISC	**IV**	**16 10 12 30**±3.1	**67.6N**±.12	**34.1E**±.64	**0**		**7**	**0-12**
BER	IV	16 10 12 34.1	67.6N	34.0E	0	3.3D		¶97iv2738
EIDC	IV	16 10 12 38.1	67.5N	32.7E	0	3.4L		
EIDC	**IV**	**16 12 50 15.4**	**60.9N**	**37.2E**	**0**	**3.3L**		**5-12**
								¶97iv2758
EIDC	**IV**	**19 10 04 24.1**	**67.6N**	**30.2E**	**0**	**2.9L**		**3-11**
								¶97iv3187
ISC	**IV**	**20 05 13 46.9**±.93	**67.47N**±.084	**32.6E**±.24	**0**		**9**	**0-12**
EIDC	IV	20 05 13 46.6	67.5N	33.1E	0	3.4L		¶97iv3275
BER	**IV**	**21 10 03 49.1**	**55.1N**	**30.7E**	**0**			¶97iv3442
EIDC	IV	21 10 03 51.2	55.4N	30.5E	0	3.1L		
BER	**IV**	**21 10 27 07.2**	**59.2N**	**28.2E**	**0**			¶97iv3444
ISC	**IV**	**21 11 42 55**±7.1	**58.4N**±.48	**28.9E**±.66	**0**		**8**	**3-11**
EIDC	IV	21 11 43 07.2	59.0N	27.7E	0	3.0L		¶97iv3454
BER	IV	21 11 43 09.4	59.1N	28.1E	0			
BER	**IV**	**22 09 16 59.6**	**56.5N**	**22.9E**	**0**			¶97iv3682
ISC	**IV**	**22 11 32 32**±1.2	**53.2N**±.12	**35.3E**±.24	**0**	4.1b	**6**	**4-62**
EIDC	IV	22 11 32 36.6	53.2N	34.9E	0	3.6L		¶97iv3717
BER	**IV**	**24 11 24 37.4**	**60.8N**	**37.5E**	**0**			¶97iv4133
EIDC	IV	24 11 24 39.9	61.0N	37.0E	0	3.3L		
EIDC	**IV**	**24 15 47 04.8**	**60.0N**	**22.3E**	**0**	**3.0L**		**2-10**
								¶97iv4170
BER	**IV**	**25 14 03 59.7**	**56.5N**	**26.0E**	**0**			¶97iv4352
ISC	**IV**	**30 08 19 46**±3.1	**67.63N**±.089	**34.1E**±.74	**46**±26		**9**	**0-12**
EIDC	IV	30 08 19 47.2	67.5N	33.3E	0	3.5L		¶97iv5183
ISC	**IV**	**30 10 33 54**±4.0	**61.0N**±.26	**29.1E**±.47	**0**		**7**	**2-9**
EIDC	IV	30 10 33 57.3	61.0N	29.1E	0	3.8L		¶97iv5203
BER	IV	30 10 33 58.4	60.9N	29.1E	0			

Agency		Origin Time mo d h m s	φ °	λ °	h km	Mag	n	Δ-Rng °
EIDC	**V**	**03 09 17 10.9**	**55.3N**	**30.5E**	**0**	**3.1L**		**5-14**
								¶97v0410
ISC	**V**	**05 13 42 43**±2.9	**60.9N**±.21	**29.2E**±.30	**0**		**8**	**2-9**
EIDC	V	05 13 42 46.5	61.1N	29.2E	0	3.4L		**¶97v0791**
BER	**V**	**06 11 45 35.3**	**59.2N**	**27.2E**	**0**			**¶97v0961**
EIDC	**V**	**07 08 23 19.2**	**63.1N**	**34.5E**	**0**	**3.1L**		**4-11**
								¶97v1068
BER	**V**	**07 11 09 57.7**	**59.2N**	**27.8E**	**0**			**¶97v1089**
BER	**V**	**07 11 56 41.2**	**56.9N**	**29.0E**	**0**			**¶97v1098**
ISC	**V**	**08 11 22 06**±7.1	**58.4N**±.48	**28.9E**±.66	**0**		**8**	**3-11**
EIDC	V	08 11 22 23.8	59.4N	27.4E	0	3.0L		**¶97v1234**
EIDC	**V**	**09 11 52 10.2**	**59.3N**	**26.9E**	**0**	**2.9L**		**2-10**
								¶97v1417
BER	**V**	**12 11 00 29.2**	**59.4N**	**28.1E**	**0**			**¶97v1943**
ISC	**V**	**13 09 58 15**±1.2	**59.2N**±.14	**27.8E**±.24	**33**		**5**	**2-10**
EIDC	V	13 09 58 13.4	59.3N	27.9E	0	2.9L		**¶97v2219**
ISC	**V**	**13 11 44 19**±6.9	**58.4N**±.47	**29.0E**±.65	**0**		**8**	**3-11**
EIDC	V	13 11 44 33.5	59.2N	27.6E	0	3.1L		**¶97v2241**
BER	V	13 11 44 35.1	59.3N	27.8E	0			
ISC	**V**	**14 11 17 49**±8.1	**58.9N**±.58	**28.4E**±.79	**0**		**5**	**3-11**
BER	V	14 11 17 59.7	59.3N	27.7E	0			**¶97v2439**
ISC	**V**	**14 12 18 22**±3.8	**60.9N**±.28	**29.0E**±.41	**0**		**5**	**2-9**
BER	V	14 12 18 26.9	61.0N	28.9E	0			**¶97v2445**
ISC	**V**	**17 03 28 09**±1.2	**67.87N**±.089	**32.5E**±.28	**0**		**11**	**0-12**
BER	V	17 03 28 12.1	67.7N	33.7E	0			**¶97v2878**
EIDC	V	17 03 28 15.3	67.6N	32.4E	0	3.2L		
EIDC	**V**	**22 00 19 52.4**	**54.1N**	**21.3E**	**0**	**3.1L**		**1-16**
								¶97v3644
ISC	**V**	**22 08 20 27**±3.8	**60.9N**±.28	**29.0E**±.41	**0**		**5**	**2-9**
BER	V	22 08 20 31.9	60.9N	29.0E	0			**¶97v3738**
BER	**V**	**23 09 39 53.1**	**67.7N**	**33.7E**	**0**			**¶97v3926**
BER	**V**	**23 09 43 30.2**	**67.6N**	**33.8E**	**0**			**¶97v3929**
ISC	**V**	**23 11 49 33**±3.9	**60.9N**±.25	**29.3E**±.46	**0**		**7**	**2-9**
EIDC	V	23 11 49 38.3	61.1N	29.0E	0	2.9L		**¶97v3949**
ISC	**V**	**25 02 54 19**±2.4	**67.5N**±.11	**34.7E**±.50	**0**		**7**	**1-12**
BER	V	25 02 54 30.6	67.6N	33.5E	0	2.8L,3.2D		**¶97v4210**
ISC	**V**	**26 21 19 59**±3.3	**54.3N**±.26	**21.9E**±.53	**0**		**4**	**6-15**
EIDC	V	26 21 20 00.7	54.3N	21.9E	0	3.3L		**¶97v4468**
ISC		Poorly determined						
EIDC	**V**	**27 00 20 04.8**	**54.6N**	**22.4E**	**0**	**3.1L**		**7-15**
								¶97v4493
BER	**V**	**27 09 18 12.0**	**56.2N**	**23.0E**	**0**			**¶97v4545**
EIDC	V	27 09 18 11.1	56.4N	23.1E	0	3.1L		
ISC	**V**	**28 06 54 36**±1.1	**59.7N**±.12	**22.1E**±.17	**0**		**8**	**3-19**
EIDC	V	28 06 54 37.9	59.9N	22.2E	0	3.3L		**¶97v4672**
BER	V	28 06 54 40.7	59.9N	22.4E	0			
BER	**V**	**28 09 02 39.7**	**62.8N**	**35.0E**	**0**			**¶97v4689**
ISC	**V**	**28 13 11 54**±1.3	**59.9N**±.16	**22.1E**±.19	**0**	3.3b	**9**	**3-26**
EIDC	V	28 13 11 55.4	59.8N	22.2E	0	3.2L,3.5b		**¶97v4724**
BER	V	28 13 11 57.8	60.0N	22.3E	0			
ISC	**V**	**28 13 45 13**±1.5	**59.8N**±.16	**22.4E**±.27	**0**		**4**	**2-12**
EIDC	V	28 13 45 15.0	59.9N	22.5E	0	2.8L		**¶97v4728**
ISC		Poorly determined						
ISC	**V**	**28 14 30 45**±3.4	**60.0N**±.38	**22.3E**±.34	**0**		**5**	**2-18**
BER	V	28 14 30 46.6	59.8N	22.6E	0			**¶97v4736**
ISC	**V**	**28 14 55 00**±4.1	**59.8N**±.45	**22.3E**±.38	**0**		**5**	**2-19**
BER	V	28 14 55 04.1	59.9N	22.5E	0			**¶97v4738**
ISC	**V**	**29 11 57 09**±2.1	**59.84N**±.095	**40.3E**±.39	**0**		**9**	**5-14**
EIDC	V	29 11 57 10.2	59.8N	40.6E	0	3.5L		**¶97v4868**
BER	V	29 11 57 35.4	60.8N	37.3E	0			
ISC	**V**	**30 09 03 18**±2.5	**67.8N**±.12	**35.4E**±.56	**0**		**6**	**1-12**
BER	V	30 09 03 25.5	67.9N	34.6E	0			**¶97v5010**
ISC	**V**	**30 09 57 29**±8.5	**62.7N**±.49	**33E**±1.5	**0**		**5**	**4-11**
BER	V	30 09 57 19.3	62.0N	35.9E	0			**¶97v5014**
ISC	**V**	**30 15 23 28**±2.4	**67.6N**±.11	**34.8E**±.50	**0**		**7**	**1-12**
BER	V	30 15 23 35.6	67.6N	33.9E	0			**¶97v5056**
ISC	**V**	**30 22 04 22**±2.1	**67.82N**±.087	**35.4E**±.47	**0**		**10**	**1-12**
EIDC	V	30 22 04 31.6	67.7N	33.6E	0	3.2L		**¶97v5107**
ISC	**V**	**31 05 41 02**±2.4	**67.6N**±.11	**34.9E**±.50	**0**		**6**	**1-12**
BER	V	31 05 41 10.4	67.7N	34.0E	0			**¶97v5154**
ISC	**VI**	**01 02 06 14**±2.3	**67.7N**±.11	**34.5E**±.49	**0**		**7**	**1-12**
BER	VI	01 02 06 22.2	67.7N	33.7E	0	2.9D		**¶97vi0013**
BER	**VI**	**02 11 37 42.2**	**59.4N**	**28.0E**	**0**			**¶97vi0227**
ISC	**VI**	**03 09 46 35**±7.2	**58.3N**±.49	**29.4E**±.67	**0**		**8**	**4-11**
BER	VI	03 09 46 51.0	59.1N	28.2E	0			**¶97vi0421**
EIDC	VI	03 09 46 51.6	59.2N	27.9E	0	3.1L		
BER	**VI**	**03 13 43 58.6**	**62.3N**	**37.1E**	**0**			**¶97vi0468**
EIDC	VI	03 13 43 24.9	59.4N	40.9E	0	3.5L		
BER	**VI**	**04 08 30 23.3**	**60.9N**	**37.3E**	**0**			**¶97vi0584**
BER	**VI**	**05 10 57 56.1**	**59.3N**	**27.7E**	**0**			**¶97vi0756**
BER	**VI**	**06 11 31 49.2**	**67.7N**	**33.7E**	**0**			**¶97vi0932**
BER	**VI**	**06 11 38 19.5**	**67.7N**	**33.8E**	**0**			**¶97vi0933**
ISC	**VI**	**11 10 20 58**±1.8	**60.7N**±.12	**29.8E**±.25	**0**		**7**	**2-15**
EIDC	VI	11 10 20 59.9	60.7N	29.8E	0	3.7L		**¶97vi1667**
BER	VI	11 10 21 04.9	61.1N	29.7E	0			
BER	**VI**	**11 15 21 08.3**	**67.6N**	**33.9E**	**0**			**¶97vi1708**
BER	**VI**	**13 12 31 12.8**	**59.4N**	**28.6E**	**0**			**¶97vi1985**
BER	**VI**	**15 02 59 55.6**	**67.7N**	**33.8E**	**0**			**¶97vi2223**
BER	**VI**	**17 11 01 16.3**	**59.5N**	**28.4E**	**0**			**¶97vi2600**
BER	**VI**	**17 11 58 24.0**	**60.9N**	**37.2E**	**0**			**¶97vi2618**
BER	**VI**	**18 09 59 27.2**	**56.4N**	**23.0E**	**0**			**¶97vi2774**
ISC	**VI**	**20 07 19 15**±3.8	**67.9N**±.15	**34E**±1.2	**0**		**6**	**1-12**
BER	VI	20 07 19 20.3	67.9N	34.3E	0	3.7D		**¶97vi3022**
BER	**VI**	**20 08 43 39.8**	**62.8N**	**34.8E**	**0**			**¶97vi3033**
ISC	**VI**	**20 12 48 42**±1.7	**68.13N**±.093	**32.8E**±.48	**0**		**6**	**1-12**
BER	VI	20 12 48 43.2	67.9N	34.0E	0	3.5D		**¶97vi3059**
BER	**VI**	**20 13 41 40.7**	**67.8N**	**33.9E**	**0**			**¶97vi3068**
BER	**VI**	**25 10 26 23.1**	**60.9N**	**29.5E**	**0**			**¶97vi3904**
BER	**VI**	**27 08 51 50.9**	**56.7N**	**23.7E**	**0**			**¶97vi4263**

(726) Central Siberia.

ISC	**III**	**14 21 04 10.7**±.81	**72.9N**±.10	**117.4E**±.41	**10**	**3.6b**	**11**	**10-93**
NEIC	III	14 21 04 10.4	72.92N	117.48E	10			**¶97iii2948**
EIDC	III	14 21 04 10.7	72.9N	117.2E	0	3.7b,4.6L		
NEIC		Less reliable solution.						

SEISMIC REGION 50. ANTARCTICA.

(727) Victoria Land, Antarctica.

ISC	**V**	**20 16 46 56**±1.0	**73.74S**±.094	**167.7E**±.87	**10**	**4.0b**	**12**	**4-151**
NEIC	V	20 16 46 55.3	73.72S	167.85E	10	4.0b		**¶97v3438**
EIDC	V	20 16 46 55.9	73.7S	167.5E	0	4.0b,4.5L		
NEIC		Less reliable solution.						

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION NAME WITH BASIC PARAMETERS

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
29 Palms	California, USA	TN−	34 11 54N	115 57 00W	533		*Closed*. TwentyNine Palms. From 1962 II 01 to
		TN−					1962 V 03.
29 Palms	California, USA	TPC	34 06 21.0N	116 02 55.8W	720		Twentynine Palms. From 1972 V 05.
413	Nevada, USA	BUK	37 03 01.8N	116 11 19.8W	1490		*Closed*. From 1965 to 1970.
416	Nevada, USA	LWN	36 37 06N	116 23 36W	808		*Closed*. From 1970.
Aachen	Nordrhein-Westfalen, Germany	AAC	50 47N	6 05E	179		*Closed*.
Abant	Turkey	ABT	40 36 21N	31 19 15E	1794		Correction to latitude Nov 1994. From 1991.
Abashiri	Abashiri, Hokkaidō, Japan	ABJ	44 00 54N	144 17 00E	38		
Abashiri 2	Abashiri, Hokkaidō, Japan	ABJ2	43 50 30N	143 52 12E	180		From 1994II 10.
Abastumani	Gruziya, CIS	ABS	41 45N	42 50E			*Closed*.
Abborråsen	Sweden	ABB	57 50 42.0N	12 47 09.6E	239		*Closed*. From 1980 I to 1991.
Abéché	Chad	ABC	13 49 38N	20 50 40E	550		*Closed*. From 1965 to 1968 VI.
Aberdeen	Scotland, UK	ABE	57 10N	2 06W	12		
Aberfoyle	Scotland, UK	EAB	56 11 17N	4 20 24W	250		From 1969.
Abha	Saudi Arabia	ABHA	18 15N	42 45E	2200		From 1988 XI.
Abington	Pennsylvania, USA	ABG	40 07N	75 08W			
Abisko	Sweden	ABK	68 20 30N	18 49 00E	385		*Closed*.
Abou Kooc	Syria	KOOC	33 39 33.0N	36 45 48.0E	1120		From 1994 XII.
Abou Rabah	Syria	RABH	34 26 07.5N	37 12 19.5E	738		From 1994 XII.
Abra de Ilog	Mindoro, Philippines	ABP	13 26 38.4N	120 43 37.8E			*Closed*. From 1976 II to 1977 V 22.
Abū 'Arīsh	Saudi Arabia	ABAR	16 56 31.2N	42 56 20.4E			From 1996III.
Abu Hadid	Egypt	AAHD	23 44 46.8N	32 45 10.2E			
Abu Simbel	Egypt	ASL	22 20 13N	31 36 58E			From 1975 X.
Abuyama	Ōsaka, Honshū, Japan	ABU	34 51 37N	135 34 26E	200		Moved 1975:04:11. From 1966VII 08.
Academy	South Dakota, USA	AY−	43 31 40N	99 06 30W	610		*Closed*. From 1962 VII 14 to 1962 X 05.
Acapulco	Guerrero, México	ACX	16 52 00N	99 55 00W	300		
Acatlán	Puebla, México	ACP	18 12 28.2N	98 03 34.8W	1250		
Achnashellach	Scotland, UK	KAC	57 29 59.6N	5 17 53.5W	330		From 1983.
Acoyapa	Nicaragua	ACY	11 59 51.6N	85 13 30.6W	400		From 1975.
Acton	Ontario, Canada	ACTO	43 36 31.5N	80 03 45.3W	360		From 1991 VII 09.
Adagdak	Alaska and Aleutians, USA	AD8	51 58 50N	176 36 01W	259		*Closed*. From 1974 to 1992 II 01.
Adak	Alaska and Aleutians, USA	ADA	51 51 48N	176 39 18W			*Closed*. Finger Bay. From 1949 VII to 1954 IV.
Adak	Alaska and Aleutians, USA	ADK	51 53 01.4N	176 41 04.0W	116		From 1966 I.
Adak Island	Alaska and Aleutians, USA	AD−	51 52 30N	176 40 45W	61		*Closed*.
Adamit	Israel	ADI	33 04 44N	35 13 30E	470		Correction to coordinates 1991. From 1983 VII.
Adams	New York, USA	ADN	43 50 00.0N	76 07 10.8W	137		*Closed*. From 1974 XI 24 to 1977 VII 27.
Adana	Turkey	ADAT	37 03 44.4N	35 21 18.0E	150		From 1992 I 01.
Adana	Turkey	ADT	37 03 49.7N	35 21 18.0E	150		*Closed*. From 1979 XII.
Addis Ababa	Ethiopia	AAE	9 01 45N	38 45 56E	2442	WWSSN	From 1959 III.
Adel	Oregon, USA	AOT	42 09 59.4N	119 54 12.0W	1370		*Closed*.
Adeladia	California, USA	PADM	35 38 21.6N	120 51 51.6W	471		MNLO code PAD.
Adelaida	El Salvador	ADES	13 39 30N	89 21 30W	1200		From 1991 XII.
Adelaide	South Australia, Australia	ADE	34 58 01S	138 42 32E	655	WWSSN	Mount Bonython. From 1958 VI.
Adelanto	California, USA	ADL	34 33 22.8N	117 25 01.2W	900		From 1975 II.
Adélie, Pointe Géologie		DRV	*See* Dumont d'Urville				
Aden	Yemen	ADEN	12 47 00N	45 00 00E			From 1994 XI.
Adirondack	New York, USA	RSNY	44 32 54N	74 31 48W	396		*Closed*.
Adobe Creek	California, USA	GACM	38 52 22.2N	122 51 43.8W	985		
Adobe Valley	California, USA	AVC	37 54 57.5N	118 43 57.0W	2225		*Closed*. From 1975 VII to 1977 IX.
Aeknabara	Sumatera, Indonesia	AEKI	2 06 06N	98 27 13E	840		From 1991.
Afareaitu	Moorea, French Polynesia	AFR	17 32 18S	149 46 40W	50		
Afiamalu	Samoa Islands	AFI	13 54 34S	171 46 38W	706	WWSSN	From 1958 IV.
Afif	Saudi Arabia	AFIF	24 06 03.6N	43 10 48.0E	950		From 1990 III.
Agalyk	Uzbekistan, CIS	AGL	39 32N	66 54E			
Agana		GUAM	*See* Guam				
Agartala	Tripura, India	AGT	23 53N	91 15E	17		
Agassiz Lake	Alaska and Aleutians, USA	AGAM	60 09 15N	141 02 00W	1024		
Agenahambo	Papua New Guinea	AGE	8 48 49S	148 05 56E	303		*Closed*. From 1963 VIII to 1972.
Aggia Anna	Greece	VAG	38 18 57.8N	22 54 01.0E	760		From 1982 X.
Ağin	Turkey	AGN	38 56 53.7N	38 42 55.3E	914		From 1973 IX 20.
Agios Georgios	Greece	AGG	39 01 20N	22 19 49E	540		From 1989 IV.
Agra	Uttar Pradesh, India	AGR	27 08N	78 01E	163		*Closed*.
Agram		ZAG	*See* Zagreb				
Agri	Turkey	AGRT	39 36 31.8N	42 59 13.2E	1440		From 1997 VIII 26.
Agrihan Island	Mariana Islands	AGRI	18 43 59N	145 39 11E	25		From 1994 IV 23.
Agrón	Spain	ERON	37 01 06.7N	3 48 20.9W	1304		From 1994 III 01.
Agualva	Azores	AGA	38 47 04.1N	27 10 23.5W	80		From 1981 V 16.
Aguascalientes	Aguascalientes, México	AGX	21 52 43.2N	102 18 03.6W			From 1988.
Ahua	Hawaii, Hawaiian Islands	AHA	19 22 24N	155 15 54W	1070		From 1958.
Ahuachapán	El Salvador	AHU	13 55 18N	89 50 45W			
Aibetsu	Kamikawa, Hokkaidō, Japan	AIB	43 54 24.2N	142 38 46.0E	260		
Aida	Okayama, Honshū, Japan	JAD	34 56 24N	134 10 06E	170		
Aidu, Inawashino		AID	*See* Aizu				
Aigle	Switzerland	AIGLE	46 20 29.4N	6 57 13.7E	800		From 1998 XII.
Aigurande	Centre, France	NE08	46 25 12N	1 43 48E	360		*Closed*. From 1982 XI to 1984 XII.
Aikawa	Niigata, Honshū, Japan	AIK	38 01 18N	138 14 30E	35		
Ailbek	Turkmeniya, CIS	ABKT	37 55 49.4N	58 07 08.0E	678		
l'Aileron	Martinique	AIL	14 48 03.6N	61 06 28.8W	879		*Closed*. From 1971 III 01.
Ainahou	Hawaii, Hawaiian Islands	AIN	19 22 30.0N	155 27 37.2W	1524		From 1973 IV 26.
Ainzon	Spain	NE11	41 48 50.4N	1 31 01.2W	440		From 1983.
Aioi	Tokushima, Shikoku, Japan	JAI	33 47 30N	134 27 06E	180		
Airport Hangar	New York, USA	APH	43 50 28.8N	74 29 49.2W	564		*Closed*. From 1974 VII to 1983 X.
Airport Road	California, USA	AARM	39 16 34.3N	121 01 31.8W	930		From 1976 VII 20.
Ait Ouarda	Morocco	AIT	32 06 36.0N	6 30 39.6W			From 1980 VI.
Aizawl	Mizoram, India	AZL	23 43 12N	92 43 48E	750		
Aizu	Fukushima, Honshū, Japan	AID	37 34N	140 07E	526		*Closed*. Aidu, Inawashino.
Ajiro	Shizuoka, Honshū, Japan	AJI	35 02 36N	139 05 48E	68		
Ajmer	Rajasthan, India	AJM	26 28 44N	74 38 35E	540		Co−ordinates corrected Feb 1998.
Ajmer	Rajasthan, India	AJMR	26 28 44.9N	74 38 35.5E	540		
Akaike	Fukuoka, Kyūshū, Japan	JFA	33 42 42N	130 47 42E	130		
Akamas	Cyprus	AKMC	35 01 37.2N	32 19 48.0E			
Akçakoca	Turkey	AKC	40 01 27.8N	31 10 50.9E	150		*Closed*. From 1979 XII.
Akhalkalaki	Gruziya, CIS	AKH	41 24N	43 29E	1720		*Closed*.
Akirkeby	Denmark	BSD*	55 06 50N	14 54 53E	88		From 1981 XI 03.
Akita	Akita, Honshū, Japan	AKI	39 43 06N	140 06 06E	10		*Closed*. Replaced by AKI1. To 1989 XI 01.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Akita	Akita, Honshū, Japan	AKI1	39 42 54N	140 06 12E	2		From 1989XI 01.
Akita 2	Akita, Honshū, Japan	AKIJ	39 44 06N	140 08 30E	65		From 1990IV 25.
Akkeshi	Kushiro, Hokkaidō, Japan	AKK	43 01 01.4N	144 50 32.2E	80		From 1976VII 01.
Akkeshi	Abashiri, Hokkaidō, Japan	JAK	42 59 46.2N	144 41 47.4E	20		
Akkuş	Turkey	AKKT	40 47 04N	37 00 49E	1593		*Closed*. Correction to coordinates Oct 1994.
		AKKT					From 1992 to 1994 VI.
Akola	Maharashtra, India	AKL	20 42N	77 04E	310		Co−ordinates corrected Feb 1998.
Akosombo	Ghana	AKGH	6 14 36N	0 02 25E	377		From 1987.
Akureyri	Iceland	AKU	65 41 12N	18 06 24W	24	WWSSN	From 1964 VII 31.
Akureyri	Iceland	AKU−	65 40 18N	18 06 00W			*Closed*. Akureyre. To 1964 VII 24.
Akutan	Alaska and Aleutians, USA	AKA	54 08 09.0N	165 46 12.0W	12		
Akutan 2	Alaska and Aleutians, USA	AKA2	54 07 27N	165 46 42.0W	90		From 1996 VIII.
Akutan 4	Alaska and Aleutians, USA	AKA4	54 06 36N	165 43 54W	135		From 1996 VIII.
Akutan 5	Alaska and Aleutians, USA	AKA5	54 09 18.6N	165 51 54.0W	225		From 1996 VIII.
Akyazı	Turkey	AKY	40 39 46.8N	30 39 33.8E	110		*Closed*. From 1979 I.
Ala−Archa	Kirgiziya, CIS	AAK	42 38 20.4N	74 29 38.4E	1645		From 1990 IX.
Alabaster Cav.	Oklahoma, USA	ACO	36 41 54.8N	99 08 45.9W	521		Operated by TUL. Alabaster Cavern State Park.
		ACO					From 1977 VI 22.
Alamagan	Mariana Islands	ALMG	17 36 03.6N	145 50 16.8E	490		From 1991.
Alamo	Nevada, USA	ALA	37 14 30N	115 06 54W			From 1971 I to 1973 IV.
Al Areen	Bahrain	BEE	26 01 00N	50 31 18E			
Al Aritein	Jordan	ARTJ	32 14 48N	36 49 42E	1058		From 1987 II 23.
Al Arnab	Syria	ARNB	35 50 37.1N	35 58 25.5E	810		From 1995 IV.
Alaska LP Array	Alaska and Aleutians, USA	AL5	64 56 40.9N	147 51 34.2W			From 1993 VII.
Al Bad'	Saudi Arabia	BADA	28 33 57.6N	34 57 43.2E	495		Coordinates corrected Sept 1998. From 1986.
Al−Baidha	Yemen	BDHA	13 58 28.2N	45 34 00.0E			Al Baydā. From 1994XI.
Albemarle	North Carolina, USA	AE−	35 26 01N	80 03 35W	183		*Closed*. From 1966 XII 16 to 1966 XII 20.
Alberni	British Columbia, Canada	ALB	49 16 18N	124 49 48W	25		From 1951 to 1962 VIII 02 from 1967 III 22 to 1972
		ALB					VII 01 from 1975 IX 01.
Albida	Syria	BIDA	35 00 49.5N	36 19 16.5E	930		From 1995 XI.
Al Budayyi	Bahrain	BBU	26 12 54N	50 27 24E			From 1986.
Albuquerque	New Mexico, USA	ABQ	34 56 33N	106 27 27W	1849		From 1974 I 01.
Albuquerque	New Mexico, USA	ALQ	34 56 33N	106 27 27W	1849	WWSSN	*Closed*.
Albuquerque	New Mexico, USA	ANMO	34 56 46.3N	106 27 24.0W	1740		From 1974 VIII.
Alcan	Alaska and Aleutians, USA	ALC	62 37 21N	141 00 30W	582		From 1979 IX 25.
Alder Peak	California, USA	PAPM	35 54 46.2N	121 21 42.0W	1015		
Alders End	England, UK	HAE	52 02 15.4N	2 32 51.0W	224		From 1982.
Alder Springs	California, USA	GAS	39 39 17.4N	122 42 54.6W	1219		From 1985 IV 10.
Alemaya	Ethiopia	ALME	9 25 48N	42 02 24E	2133		From 1988.
Alert	Northwest Territories, Canada	ALE	82 30 10.8N	62 21 00.0W	65		From 1961 IX 29.
Aleutian Islands		UNA	*See* Unalaska				
Alevga	Cyprus	ALFC	35 09 25.2N	32 35 56.4E			
Alexander Bay	New York, USA	ALX	44 19 21.0N	75 55 40.5W	122		From 1976 VIII.
Alexander City	Alabama, USA	AX−	32 50 08N	86 10 35W	183		*Closed*. From 1965 XII 03 to 1965 XII 13.
Alexander City	Alabama, USA	AX2	32 46 38N	86 07 48W	213		*Closed*. From 1966 III 24 to 1967 I 16.
Alexander Valley	California, USA	GAXM	38 42 38.9N	122 45 18.0W	379		From 1973 IX 21.
Alexandra	South Island, New Zealand	AXZ	45 16 02S	169 19 52E	260		From 1996 III 06.
Alexandroúpolis	Greece	ALN	40 53 50N	26 02 44E	110		From 1989 VI.
Alfacar	Spain	AFC	37 15 16N	3 32 42W	1490		*Closed*. Moved 1980:07:01 from 37:15:45N 03:
		AFC					31:36W. To 1992 I 23.
Alfred	New York, USA	ALF	42 13 31.2N	77 47 49.8W	671		*Closed*. From 1971 I to 1978 IX.
Algarobillo	Peru	CHP4	4 30 07S	80 21 36W	220		
Alger−Bouzaréah	Algeria	ABA	36 48 04N	3 02 06E	332		From 1910 to 1949 from 1980.
Algiers Univ.	Algeria	ALG	36 46 18N	3 03 30E	59		*Closed*. Université d'Alger. From 1949 to 1982.
Alhama de Murcia	Spain	EALH	37 51 29N	1 25 11W	294		Correction to position Aug 1991. From 1986 I.
Alicahue	Aconcagua, Chile	ALH	32 22 12S	70 47 34W	1890		From 1970 VIII.
Alicante	Spain	ALI	38 21 19.2N	0 29 14.1W	35		
Alice Springs	Northern Territory, Australia	ASP	23 41 00S	133 53 48E	600		*Closed*. Moved to ASPA. From 1970 XII 15 to
		ASP					1982 II 15.
Alice Springs	Northern Territory, Australia	ASPA	23 40 01S	133 54 05E	555		From 1982 II 17.
Alice Springs Ar.	Northern Territory, Australia	AS01	23 39 53S	133 57 03E	605		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS02	23 40 45S	133 56 13E	619		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS03	23 40 28S	133 55 11E	643		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS04	23 39 35S	133 55 45E	666		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS05	23 38 57S	133 56 51E	683		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS06	23 38 51S	133 58 17E	663		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS07	23 39 56S	133 58 11E	614		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS08	23 40 53S	133 57 36E	594		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS09	23 41 58S	133 56 29E	591		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS10	23 41 49S	133 54 50E	607		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS11	23 40 42S	133 53 52E	608		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS12	23 39 59S	133 54 16E	607		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS13	23 39 07S	133 53 40E	604		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS14	23 39 06S	133 54 37E	620		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS15	23 38 08S	133 54 44E	669		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS16	23 38 13S	133 55 48E	676		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS17	23 39 52S	133 59 30E	615		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS18	23 41 24S	133 58 51E	592		From 1986.
Alice Springs Ar.	Northern Territory, Australia	AS19	23 42 16S	133 57 45E	577		From 1986.
Alice Springs Ar.	Northern Territory, Australia	ASAR	23 39 59S	133 54 16E	607		Alice Springs Array Beam Reference Point.
Alicudi	Sicily, Italy	ACL	38 31 59N	14 21 20E	140		Lipari Islands.
Alipore		CAL	*See* Calcutta				
Alishan	Taiwan, China	ALS	23 30 37.4N	120 48 18.4E	2413		Arisan Alishan (Mt). Correction to coordinates
		ALS					Nov 1990.
Al Jahlan	Syria	JHLN	35 40 21.0N	38 26 28.1E	459		From 1995 IV.
Aljibe	Spain	ALJ	36 40 25.2N	5 36 14.4W	1091		
Alla	Buryatskaya ASSR, RF, CIS	ALL	54 42N	110 46E			*Closed*.
Allagash	Maine, USA	AGM	47 04 54N	69 01 24W	238		*Closed*. From 1975 XI to 1999 I.
Allahabad	Uttar Pradesh, India	ALBI	25 29N	81 50E	107		
Allegan	Michigan, USA	ACM	42 38 51N	85 51 06W	268		*Closed*.
Allendale	England, UK	XAL	54 51 42N	2 12 53W	462		From 1983 VII 10.
Allentown	Pennsylvania, USA	ATPA	40 34 36.2N	75 35 19.0W	61		
Alliance	Nebraska, USA	AI−	42 07 58N	103 16 35W	1311		From 1962 XI 07 to 1962 XII 12.
Al Lith	Saudi Arabia	LITH	20 42 58N	40 36 58E	100		Lith.
Alma−Ata	Kazakhstan, CIS	AAA	43 16 18N	76 56 48E	800		*AA1*
Alma−Ata 2		TLG	*See* Talgar				
Almaden	California, USA	AMC	37 09 30.0N	121 50 49.2W	244		*JALM* From 1968 X 16.
Almaden	California, USA	JNAM	37 10 37.2N	121 50 40.8W	512		New Almaden Mine.
Al Majma'ah	Saudi Arabia	MJMA	25 51 18.0N	45 17 20.4E	650		From 1990 III.
Almeirim	Portugal	ALMR	39 09 19.8N	8 34 36.6W	155		
Almeirim	Portugal	AMRP	39 09 30N	8 34 30W	160		From 1990 II.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Almería	Spain	ALM	36 51 09.1N	2 27 35.2W	65		*Closed*. To 1993 X.
Al−Naaiem	Kuwait	NAY	29 13 44.3N	47 15 42.7E	210		
Alónnisos	Greece	AOS	39 10 13N	23 52 48E	200		From 1996 VII 11.
Alotau	Papua New Guinea	ALOA	10 17 54S	150 22 37E	10		From 1984 II 03.
Alotau	Papua New Guinea	ALOT	10 17 45.6S	150 27 50.4E	200		*Closed*. Moved to position of ALOA. From 1982 XI 08 to 1984 II 03.
		ALOT					
Alpha Peak	Washington, USA	APW	46 39 06N	122 38 51W	457		
Alpine	Wyoming, USA	ALPW	43 09 02.3N	110 59 52.1W	1792		From 1986 I.
Alpnach	Switzerland	APL	46 56 58.6N	8 14 34.1E	880		From 1992 XII.
Al−Qurain	Kuwait	QRN	28 44 16.1N	47 55 28.6E	135		
Al−Radīfah	Kuwait	RDF	28 55 33.8N	47 32 27.0E	180		
Al Salmeh	Syria	SLMH	36 12 44.2N	37 56 06.0E	520		From 1995 IV.
Al Shahba	Jordan	SHBJ	32 18 09N	37 34 30E	960		From 1987 X 24 to 1989 III 26 from 1990 II.
Al Sharaya	Saudi Arabia	SHRA	21 28 44N	39 58 05E	413		From 1995 I.
Al Sooda	Saudi Arabia	SODA	18 17 24.0N	42 22 26.4E	2600		Coordinates corrected Sept 1998. From 1989 VI 06.
		SODA					
Alsterbro	Sweden	ATR	56 59 42.0N	15 55 04.8E	119		From 1980 I.
Alta	Utah, USA	AAU	40 35 31N	111 38 18W	2694		*Closed*. From 1974 XI to 1976 IV.
Altamira	Pará, Brazil	ATB	3 17 16S	52 13 30W			
Alta Sierra	California, USA	WASM	35 44 17.4N	118 33 25.2W	1871		Alta Sierra Campground, MNLO code WAS.
Alta Urco	Ecuador	ALTA	2 28 25.2S	78 59 21.6W	2700		Coordinates corrected Sept 1998. From 1996 III 05.
		ALTA					
Altay		EBM	*See* Esen Bulak				
Alteburg	Rheinland-Pfalz, Germany	ABH	49 52 54N	7 32 51E	620		
Alter Ridge	Washington, USA	ALD	45 49 10N	120 04 00W	427		From 1975 XI.
Altintaş	Turkey	ALT	39 03 18.6N	30 06 37.2E	1060		From 1973 VI 27.
Alto Anchicaya	Colombia	ANCC	3 30 55.2N	76 52 00.0W	540		
Altona	Oklahoma, USA	ATO	35 47 32.0N	98 07 10.2W	364		From 1982 XI 11.
Altos	Panama	ACH	8 39 48.6N	79 55 45.0W	900		Altos de Campana.
Alturitas	Venezuela	ALTV	9 45 05.8N	72 25 04.1W			
Altzomoni	México D.F., México	IIA	19 08 58.2N	98 39 30.0W			
Al−Udain	Yemen	UDYN	13 58 00N	43 59 30E			Al 'Udayn. From 1994 XI.
Alushta	Ukraina, CIS	ALU	44 42N	34 25E			
Al'Uyaynah	Saudi Arabia	AYN	28 51 57.6N	36 00 03.6E	770		Ouyaynah. From 1986.
Al Wahab	Syria	WHAB	35 55 01.5N	37 33 07.1E	630		From 1995 IV.
Al Wajh	Saudi Arabia	WAJH	26 10 33.6N	36 33 36.0E	75		From 1988 VI 20.
Amami Oshima	Ryūkyū Islands, Japan	JAM	28 24 42N	129 36 18E	20		
Amanu	Tuamotu, French Polynesia	AMN	17 51 02S	140 51 33W	2		From 1976.
Amargosa	California, USA	AMR	36 23 52N	116 28 27W	720		From 1978 VII 24.
Amarillo	Texas, USA	AZ−	35 25 48N	101 55 50W	988		*Closed*. From 1963 VIII 28 to 1964 III 06.
Amatignak I.	Alaska and Aleutians, USA	AMA	51 17 18.4N	179 06 33.5W	503		*Closed*. From 1970 X 09 to 1973 IV 30.
Ambar	Pakistan	AMP	34 03 18N	72 24 54E	361		
Ambohiby	Madagascar	ATG	18 52 44S	46 11 17E	1520		From 1994 VI 16.
Ambohidratompo	Madagascar	OPO	18 34 08S	47 11 20E	1438		Correction to coordinates Apr 1993. From 1978 XI 17.
		OPO					
Ambohimiarambe	Madagascar	ABM	19 46 52S	47 21 54E	1843		From 1982 III 23 to 1990 X from 1992 VI.
Ambon	Ambon, Indonesia	AAI	3 41 13.2S	128 11 40.2E	80		Amboina. From 1975.
Ambon	Ambon, Indonesia	AMO	3 42S	128 10E			Amboina.
Amboy	West Virginia, USA	AB−	39 19 50N	79 34 01W	914		
Ambulong	Luzon, Philippines	AMB	14 05N	121 03E	10		*Closed*. From 1910.
Amchitka	Alaska and Aleutians, USA	AEB	51 21 37.6N	179 14 50.7E			*Closed*.
Amchitka	Alaska and Aleutians, USA	ANA	51 37 39.8N	178 39 23.0E			*Closed*. From 1969 VIII 25 to 1973 IV 30.
Amchitka	Alaska and Aleutians, USA	ANB	51 36 22.3N	178 47 30.0E			*Closed*. From 1970 X 14 to 1971 IV 30.
Amchitka	Alaska and Aleutians, USA	AND	51 33 44.4N	178 57 12.4E	186		*Closed*. From 1970 VII 18 to 1973 IV 30.
Amchitka	Alaska and Aleutians, USA	ASB	51 21 37.6N	179 14 50.7E			*Closed*. From 1969 V 25 to 1973 IV 30.
Amchitka	Alaska and Aleutians, USA	ASC	51 27 47.1N	179 09 30.0E			*Closed*. From 1969 VII 28 to 1972 XII 11.
Amchitka	Alaska and Aleutians, USA	ASD	51 23 26.5N	179 20 31.6E			*Closed*. From 1969 V 29 to 1973 IV 30.
Amchitka	Alaska and Aleutians, USA	AWA	51 22 28.5N	179 15 09.6E			*Closed*.
Amchitka A	Alaska and Aleutians, USA	ACA	51 28 51.4N	179 07 09.6E	42		*Closed*. From 1971 V 08 to 1972 XII 11.
Amchitka B	Alaska and Aleutians, USA	ACB	51 27 45.4N	179 05 27.3E	47		*Closed*. From 1971 V 08 to 1972 VI 30.
Amchitka C	Alaska and Aleutians, USA	ACC	51 29 03.4N	179 02 35.2E	26		*Closed*. From 1971 V 08 to 1972 VI 30.
Amchitka D	Alaska and Aleutians, USA	ACD	51 25 41.4N	179 08 11.8E	37		*Closed*. From 1971 V 08 to 1972 VI 30.
Amchitka E	Alaska and Aleutians, USA	ACE	51 24 01.8N	179 10 21.9E	9		*Closed*. From 1971 V 08 to 1972 VI 30.
Amchitka East	Alaska and Aleutians, USA	AME	51 23 12N	179 15 18E			*Closed*.
Amchitka F	Alaska and Aleutians, USA	ACF	51 31 32.7N	178 59 38.9E	62		*Closed*. From 1971 V 08 to 1972 VI 30.
Amderma	Arkhangel'skaya Obl., RF, CIS	AMD	69 46N	61 41E			*Closed*.
Amelia	Italy	AMI	42 35 06.5N	12 25 43.0E			*Closed*.
Americus	Georgia, USA	AMG	32 03 33.8N	84 13 03.6W	106		From 1973 IX 01.
Amō	Gifu, Honshū, Japan	AMJ	36 14 57.7N	137 01 42.3E	620		From 1975VIII 05 to 1976 XII 26 from 1977 V.
Amos	California, USA	AMS	33 08 28.8N	115 15 15.0W	140		From 1973 IV 16.
Anabuki		TSS	*See* Tsurugi yama				
Anacapa I.	California, USA	AIC	34 00 48.0N	119 26 13.8W	113		From 1973 II 23.
Anaconda	Montana, USA	AMM	46 05 39N	112 57 04W	2051		
Anan'yevo	Kirgiziya, CIS	ANVS	42 48N	77 42E			
Anapa	Krasnodarskiy Kray, RF, CIS	ANN	44 53N	37 18E			
Anatahan	Mariana Islands	ANAT	16 21 10.8N	145 39 21.6E	510		
Anchorage	Alaska and Aleutians, USA	AMU	61 11 30N	149 48 18W	53		*Closed*. Alaska Methodist University. From 1965 II to 1975 XII 05.
		AMU					
Anchorage	Alaska and Aleutians, USA	ANH	61 14 30N	149 49 36W			*ANI**Closed*. From 1964 III 30 to 1964 VI 27.
Ancón	Peru	PP10	11 46 20.4S	77 08 35.4W	56		
Ancona	Italy	ANS	43 33 08N	13 27 44E	295		Ancona−Montesicuro. From 1973.
Ancona	Italy	AOI	43 33 00.0N	13 36 07.2E	530		Monte Conero, Marche.
Ancona−Montesicuro		ANS	*See* Ancona				
Andalgalá	Catamarca, Argentina	ANL	27 37S	66 19W			*Closed*.
Anderson	Tennessee, USA	ANTN	36 10 18.0N	85 13 52.8W	612		
Anderson Peak	California, USA	BAPM	36 10 33.0N	121 38 33.6W	1219		
Anderson Res.	California, USA	ADR	37 09 44.4N	121 37 27.0W	244		*CADM* Anderson Reservoir. From 1967 VIII 25.
Andizhan	Uzbekistan, CIS	ANR	40 45 18N	72 21 36E	494		Andijan.
Andorre	Andorra	PAND	42 31 21.1N	1 32 48.8E	1857		
Andra, Waltair		VIS	*See* Vishakhapatnam				
Anegada	Virgin Islands	ABV	18 43 55.2N	64 20 13.2W	3		*Closed*. From 1975 IV.
Angavokely	Madagascar	AVY	18 55 12S	47 43 52E	1716		*Closed*. From 1973 to 1994 XII 18.
Angela	Montana, USA	AN−	46 45 08N	106 05 30W	907		*Closed*. From 1964 XI 16 to 1965 VI 11.
Angel Island	California, USA	AGC	37 51 40.8N	122 25 46.2W	223		*CAIM**LT13* From 1969 VIII 08.
Angels Peak	Nevada, USA	APK	36 19 10N	115 34 28W	2680		*Closed*. From 1975 VI 15 to 1983 IX 06.
Angels Peak	Nevada, USA	APKW	36 19 11.3N	115 35 13.0W	2512		From 1983 IX 06.
Angle Creek	Alaska and Aleutians, USA	ACHA	58 08 03.6N	155 09 39.0W			Angle Creek Headwaters. From 1996 VIII.
Angle Creek	Alaska and Aleutians, USA	ANCK	58 11 55.8N	155 29 38.4W			From 1996 VIII.
Angle Mountain	Wyoming, USA	ANGW	43 49 54.6N	110 11 24.8W	2743		From 1990 IX.
Angol	Malleco, Chile	ANGC	37 47 00S	72 42 30W	70		From 1988.
Angostura	Venezuela	ANGV	9 42 18.0N	69 31 18.1W	680		*Closed*. From 1984.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Angra Heroísmo	Azores	ADH	38 39 18N	27 14 06W	83		Angra do Heroísmo.
Angra Heroísmo	Azores	ADH0	38 39 47.8N	27 12 23.8W	100		Angra do Heroísmo. From 1988 XII 12.
Aniakchak	Alaska and Aleutians, USA	ANKA	56 54 21.0N	158 13 43.8W	863		From 1994 VIII.
Ankara	Turkey	ANK	39 55N	32 49E			
Ankara	Turkey	ANTO	39 52 08N	32 47 37E	883		From 1978 VIII 01.
Anna	Ohio, USA	AN1	40 28 45N	84 07 51W	323		*Closed*. From 1976 I 15.
Anna	Ohio, USA	AN10	40 28 22N	84 28 12W	297		*Closed*.
Anna	Ohio, USA	AN11	40 33 50N	84 40 49W	267		*Closed*.
Anna	Ohio, USA	AN12	40 55 17N	84 10 56W	226		*Closed*.
Anna	Ohio, USA	AN3	40 32 55N	83 48 44W	326		*Closed*.
Anna	Ohio, USA	AN4	40 13 19N	83 53 52W	346		*Closed*.
Anna	Ohio, USA	AN7	40 49 24N	83 51 36W	281		*Closed*.
Anna	Ohio, USA	AN8	40 14 40N	84 17 11W	302		*Closed*.
Anna	Ohio, USA	AN9	40 42 40N	84 29 49W	255		*Closed*.
Ann Arbor	Michigan, USA	AAM	42 18 04.3N	83 39 24.1W	172	WWSSN	Coordinates corrected Jun 1994. From 1940.
Annsville	New York, USA	ANNS	41 18 50.4N	73 54 47.4W	42		
Anpu	Taiwan, China	ANP ANP	25 11 11.5N	121 31 12.7E	826	WWSSN	Correction to coordinates Nov 1990. From 1963 III 14.
Antananarivo		TAN	*See* Tananarive				
Antarctic		ANC	*See* Marguerite Bay				
Antelope Grade	California, USA	PAGM	35 43 55.2N	120 14 57.6W	482		
Antelope I.	Utah, USA	AIUT AIUT	40 51 21.0N	112 10 31.8W	1334		*Closed*. Southern Antelope Island. From 1983 IV to 1990 V 09.
Antelope Island	Utah, USA	ANU	41 02 22.8N	112 13 54.0W	1353		*Closed*. From 1975 XI to 1991 VIII 27.
Antelope Range	Utah, USA	ARUT	37 47 16.8N	113 26 25.3W	1646		From 1980 XII.
Antelope Ridge	New Mexico, USA	ANTR	32 15 49.2N	103 24 38.4W	1056		Correction to coordinates Aug 1993. From 1991.
Antelope Valley	California, USA	BAVM	37 38 45.0N	121 01 47.4W	604		Correction to coordinates 1993. From 1975 VII 02.
Antennamare	Sicily, Italy	ATN	38 09 38N	15 27 46E	350		
Anticline Ridge	California, USA	PARM	36 14 57.1N	120 20 31.2W	485		From 1975 IX 05.
Antigua	Antigua, WIAS	ANG	17 09 18N	61 49 48W	27		Friars Hill Marble Hill. From 1966 IV 20.
Antigua	Antigua, WIAS	AWI	17 08 34.8N	61 50 06.0W	23		*Closed*. Friars Hill. From 1955 VI 24 to 1963 X 06.
Antioch	California, USA	CACM	36 58 34.3N	121 45 37.1W	74		From 1973 X 26.
Antioch Church	Tennessee, USA	ACTN	36 20 49.2N	89 18 36.0W	143		*Closed*. To 1993 VI.
Antisana	Ecuador	ANTI	0 27 41.4S	78 09 47.4W	4470		From 1991 VIII 09.
Antlers	Oklahoma, USA	AL−	34 21 29N	95 36 45W	213		*Closed*. From 1962 VII 04 to 1962 VII 11.
Antofagasta	Antofagasta, Chile	ANT	23 42 18S	70 24 55W	80	WWSSN	From 1962 XII 28.
Anvil Mountain	Alaska and Aleutians, USA	ANV	64 33 55.8N	165 22 18.0W	330		From 1976 VIII.
Anzar Res 1		PNC	*See* Pine Canyon				
Anzar Res 2		AN2*	*See* Forsythe				
Anzar Res 3		HJGM	*See* San Juan Grade				
Anzar Res 4		PCL	*See* Pacheco Lake				
Anzar Res 6		CSR	*See* Chase Ranch				
Anzar Res 6		DIL	*See* Dillon Ranch				
Anzar Res 7		CDC	*See* Canada Road				
Anzar Res 8		PKC	*See* Peckham Road				
Anzar Res 9	California, USA	AN9*	37 00 50.4N	122 02 10.2W	129		*Closed*.
Anzar Road	California, USA	ANZ	36 53 04.8N	121 35 27.2W	122		*HAZM* From 1967 VI 29.
Aobayama	Miyagi, Honshū, Japan	AOB	38 14 54N	140 50 48E	87		From 1967IV.
Aomori	Aomori, Honshū, Japan	AOM	40 49N	140 47E	5		*Closed*. Moved to AOM1 1989:12:01.
Aomori	Aomori, Honshū, Japan	AOM1	40 49 12N	140 46 24E	3		From 1989XII 01.
Aomori 2	Aomori, Honshū, Japan	AOMJ	40 33 36N	140 22 24E	8		From 1978.
Aomori 3	Aomori, Honshū, Japan	AOM3	40 46 36N	140 49 00E	150		From 1990IV 21.
Aou	Kōchi, Shikoku, Japan	AOU	33 47 32.3N	133 46 14.3E	470		From 1972IV.
Aouinet Torkoz	Morocco	ANTZ	28 28 29N	9 51 17W	300		From 1991 XII 18.
Apache	Oklahoma, USA	AP−	34 49 59N	98 26 09W	427		*Closed*.
Apache Junction	Arizona, USA	GVA	33 25 17.0N	111 34 27.8W	508		From 1994 I 05.
Apakhonchich	Kamchatskaya Obl., RF, CIS	APN	56 00N	160 54E			
Apatity	Murmanskaya Obl., RF, CIS	APA	67 33N	33 20E	140		
Apatity Array	Murmanskaya Obl., RF, CIS	APA0	67 36 22N	32 59 35E	200		Apatity Array, central site. From 1992 IX.
Apeiranthos	Greece	APE	37 04 08N	25 31 50E	620		Apeiranthos of Naxos. From 1975 XI.
Apia	Samoa Islands	API	13 48 26S	171 46 30W	2		From 1902.
Apoyeque	Nicaragua	APY	12 13 39.8N	86 21 10.2W	260		From 1975.
Äppelbo	Sweden	APO	60 32 20.4N	13 55 40.8E	340		*APP* From 1969 I.
Apres Vouz Peak	Wyoming, USA	AVOW	43 36 39.8N	110 48 50.3W	2036		From 1986 I.
Aqaba	Jordan	AQBJ	29 43 40.8N	35 03 00.0E	170		From 1989 X 23.
Áqua Vermelha	Minas Gerais, Brazil	AGVB	19 44 22S	50 13 59W	393		Áqua Vermelha Reservoir. From 1993 III.
l'Aquila	Italy	AQU	42 21 14N	13 24 11E	720	WWSSN	From 1952.
Aral	Kirgiziya, CIS	ARLS	41 24N	73 54E			
Arapuni	North Island, New Zealand	ARA	38 05S	175 39E	65		*Closed*. From 1930 VII to 1950 X.
'Arava Valley	Israel	ARVI	30 39 00N	35 10 48E			
Arbois	Provence-Côte d'Azur, France	ARBF	43 29 30.0N	5 19 57.0E	185		From 1998 XI 01.
Arbuckle	California, USA	GARM	38 57 18.6N	122 15 07.8W	268		
Arcata	California, USA	ARC	40 52 36N	124 04 30W	60		From 1948 II 27.
Arcavacata	Italy	ACI	39 21 03N	16 12 11E	300		Calabria. From 1976 V 18.
ARCESS Array	Norway	ARA0	69 32 05.6N	25 30 21.2E	403		
ARCESS Array	Norway	ARCES	69 32 05.6N	25 30 20.9E	403		ARCESS Array Beam Reference Point.
Arcevia	Italy	ARV	43 29 54.5N	12 56 31.7E	495		From 1983 VI.
Archignac	Aquitaine, France	ARH	45 00 35N	1 18 42E	320		*Closed*. To 1981 II 02.
Arctowski Station	South Shetland Islands, Antarctica	AAS AAS	62 09 36S	58 27 45W	15		Henryk Arctowski Antarctic Station. From 1978 IV.
Ardmore	Oklahoma, USA	AM−	34 02 52N	97 24 41W	274		*Closed*. From 1961 XII 08 to 1961 XII 20.
Areado	Brazil	AREB	21 21 45.0S	46 07 24.2W	982		
Arecibo	Puerto Rico	APR	18 27 26.8N	66 43 50.7W	50		From 1975 XI 14.
Arenal	Costa Rica	AR1	10 27 31N	84 43 56W	595		*Closed*. Volcan Arenal.
Arequipa	Peru	ARE	16 27 43.5S	71 29 28.6W	2452	WWSSN	
Arette	Aquitaine, France	ATE	43 05 09.0N	0 42 01.2W	480		From 1977 XII.
Arette	Aquitaine, France	NE10	43 05 09.6N	0 45 56.4W	480		From 1982 XI.
Argentine I.	Antarctic Peninsula, Antarctica	AIA	65 15S	64 16W	11		*Closed*. To 1993 VI 17.
Argeş	Romania	ARR	45 22 03N	24 38 01E	871		
Argonne	Wisconsin, USA	AO−	45 36 24N	88 57 01W	518		*Closed*.
Argonne North	Idaho, USA	ARNI ARNI	43 40 00.0N	112 37 24.6W	1553		Correction to position Aug 1991. From 1990 VIII 14.
Arica	Tarapacá, Chile	ARI	18 31 46S	70 10 37W	250		
Arida	Wakayama, Honshū, Japan	ARD	34 05 09.2N	135 09 42.2E	40		From 1958XII.
Arisan		ALS	*See* Alishan				
Arizona State	Arizona, USA	ASU	33 24 58.7N	111 56 04.9W	354		Arizona State University. From 1971 XI.
Arkhángelos	Greece	ARG	36 12 58N	28 07 34E	170		*RHD* Rhodes. From 1966 VII 10.
Arkit	Kirgiziya, CIS	ARK	41 48N	71 57E			
Armidale	New South Wales, Australia	ARM*					*Closed*.
Armidale	New South Wales, Australia	ARMA	30 25 11.3S	151 37 40.8E	1130		
Arnica Sink	California, USA	LASM	41 35 57.6N	121 34 36.0W	2060		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Arnold Ranch	California, USA	ARN	37 20 57.6N	121 31 57.6W	628		*CAOM*
Arrayan	Ecuador	ARRY	1 30 04.8S	78 27 18.6W	2900		From 1994 X 29.
Ar Rifā	Bahrain	BRF	26 04 24N	50 35 00E			
Arroyo Pinares	Spain	AAPN	37 18 27.6N	4 07 15.6W	1160		
Arroyo Seco	California, USA	AASM	38 25 48.0N	121 06 30.6W	65		
Arshan	Irkutskaya Obl., RF, CIS	ARS	51 54N	102 24E	970		
Arta	Djibouti	ART	11 31 16.2N	42 50 16.2E	710		*Closed*. From 1972 IV to 1976 XII.
Arta Grotte	Djibouti	AGD	11 31 48N	42 49 12E	450		From 1985 III 09.
Arta Obs.	Djibouti	ARO	11 31 37.2N	42 50 46.2E	680		From 1972 XII.
Arta Tunnel	Djibouti	ATD	11 31 48.0N	42 50 49.2E	450		
Arthez−de−Béarn	Aquitaine, France	ARTL	43 27 22N	0 35 17W	210		
Arti	Sverdlovskaya Obl., RF, CIS	ARU	56 25 48.7N	58 33 45.0E	250		
Arusha	Tanzania	ARTT	2 43 32S	36 16 54E			Longido. From 1993.
Arvin	California, USA	ARVC	35 07 37.8N	118 49 45.6W	268		
Arzberg	Austria	ARSA	47 15 01.9N	15 31 23.5E	577		From 1997 VI 20.
Aşağiçarikuru	Turkey	ASAT	40 41 37N	30 44 38E	100		
Asahigawa	Shiribeshi, Hokkaidō, Japan	AHS AHS	43 08 02.0N	141 02 45.7E	170		*Closed*. Asahigawa Hot Spring. From 1974 IV 20 to 1974 XII 10.
Asahikawa	Kamikawa, Hokkaidō, Japan	ASA	43 46 12N	142 22 24E	112		Asahigawa.
Asahikawa	Kamikawa, Hokkaidō, Japan	ASAJ ASAJ	44 06 54N	142 35 48E	220		Asahigawa outpost. Coordinates corrected Feb 97. From 1978.
Asama Obs.	Nagano, Honshū, Japan	AVOE	36 24 04N	138 34 20E	1406		From 1933.
Asama Yama	Nagano, Honshū, Japan	ASM	36 24N	138 34E			
Ascension	Ascension	ASCN	7 55 57.7S	14 21 36.4W	173		From 1994 X 01.
Ascoli Pisceno	Italy	ALP	42 46 49N	13 34 34E	1370		Marche. From 1979.
Aserradero	Nicaragua	ASE	12 28 28.8N	87 11 25.2W			*Closed*. From 1977 II 03 to 1980.
Asheville	North Carolina, USA	AVNC	35 37 26.4N	82 31 51.6W	943		
Ash Flat	Arkansas, USA	AFAR	36 08 00.0N	91 31 52.2W	239		
Ashford Hill	England, UK	AFH	51 20 38N	1 13 11W	91		
Ashibetsu	Sorachi, Hokkaidō, Japan	JAB	43 30 16.2N	142 13 23.4E	187		
Ashikaga	Tochigi, Honshū, Japan	JAG	36 25 30N	139 27 12E	241		
Ashizuri	Kōchi, Shikoku, Japan	ASZ	32 43 12N	133 00 48E	32		From 1962.
Ashkhabad	Turkmeniya, CIS	ASH	37 57N	58 21E	220		
Ashorobuto	Kushiro, Hokkaidō, Japan	JAR	43 17 48.6N	143 46 10.2E	210		
Askøy	Norway	ASK	60 28 58.8N	5 11 42.0E	50		From 1983.
Asmera	Ethiopia	ASME	15 21 00N	38 55 48E	2420		Asmara. From 1988.
Aso	Kumamoto, Kyūshū, Japan	ASO	32 53N	131 01E	568		*Closed*. From 1928.
Aso san	Kumamoto, Kyūshū, Japan	ASJ	32 52 36N	131 04 30E	1143		
Aspremont	Provence-Côte d'Azur, France	ASPF	43 46 05.4N	7 15 29.9E	850		
Assam	Assam, India	BKOA	25 59N	91 16E	50		
Assam	Assam, India	NGJA	26 42 24N	91 40 30E	60		
Assisi	Italy	ASS	43 04 14.0N	12 39 40.4E	792		From 1983 V.
Astolofo Dutra	Minas Gerais, Brazil	ATDB	21 17 24.0S	42 51 38.1W			From 1995 XII.
Astrida		BTR	*See* Butare				
Aswan	Egypt	ASW	24 04 41.4N	32 53 19.7E	132		From 1975 X to 1980 from 1982.
Atar	Djibouti	ATA	11 27 13.2N	43 12 18.6E	50		From 1972 IV.
Atar 1	Israel	ATR1	30 58 12N	34 37 48E	200		
Athens Obs.	Greece	ATH	37 58 20N	23 43 00E	95	WWSSN	*ATU* Athens University. From 1892.
Atibaia	São Paulo, Brazil	VAO2	23 13 30S	46 32 30W	1120		From 1993 VII.
Atico	Peru	ATI	16 10 16S	73 37 13W	300		
Atlanta	Georgia, USA	ATL	33 26 00N	84 20 15W	272	WWSSN	From 1963 VI 21.
Atoka	Oklahoma, USA	AK−	34 22 06N	96 03 26W	183		*Closed*. From 1962 VI 17 to 1962 VI 28.
Atsumi	Yamagata, Honshū, Japan	ATM	38 33 54N	139 39 42E	180		From 1968IX 15.
Atsumi	Aichi, Honshū, Japan	JAA	34 37 54N	137 08 36E	30		
Atsumi	Yamagata, Honshū, Japan	JYA	38 35 34.8N	139 42 49.8E	200		
Attachie	British Columbia, Canada	ATC	56 13 48N	121 27 00W			*Closed*. To 1973 IV 06.
Aṭ Ṭā'if	Saudi Arabia	TAIF	21 17 31.2N	40 21 14.4E	1680		From 1989II.
Attica	New York, USA	ATT	42 50 09N	78 11 39W	470		*Closed*. From 1971 VII to 1976 I 16.
Attu Island−Fox	Alaska and Aleutians, USA	FX1	52 52 55.6N	173 09 51.1E	250		From 1993 VII.
At Turba	Yemen	TRBA	13 13 00.0N	44 08 00.0E			
Auburn	Nebraska, USA	ABN	40 23 28N	95 51 02W	294		From 1977 XI 18.
Auburn	New York, USA	ABRN	42 59 46.8N	76 29 07.2W	224		
Auburn Dam	California, USA	ADC ADC	38 56 41.4N	120 58 06.0W	524		*Closed*. Moved to AFDM. From 1972 II to 1983 V 16.
Auburn Hatchery	Idaho, USA	AHID	42 45 55.4N	111 06 01.4W	1960		
Auburntown	Tennessee, USA	ABTN	35 53 07.8N	86 06 32.4W	363		From 1984.
Auchinoon	Scotland, UK	EAU	55 50 43.4N	3 26 50.6W	359		Correction to coordinates Jun 1993. From 1969.
Auckland	North Island, New Zealand	AUC	36 51 36S	174 46 41E	79		From 1941 IV.
Augusta	Maine, USA	AG−	44 22 22N	69 39 46W	152		*Closed*.
Augustine Domo	Alaska and Aleutians, USA	AUD	59 21 45.5N	153 25 35.3W	1208		From 1994 IX 06.
Augustine Flow	Alaska and Aleutians, USA	AUF	59 23 16N	153 27 32W	165		From 1975 IX.
Augustine H	Alaska and Aleutians, USA	AUH AUH	59 21 50.0N	153 26 35.5W	890		Augustine Dome H. Correction to position from Jan 1991. From 1978 XII 01.
Augustine Island	Alaska and Aleutians, USA	AGI	59 22 48N	153 25 12W	580		From 1971 VIII to 1976 I.
Augustine Island	Alaska and Aleutians, USA	AU2	59 22 13N	153 22 41W	195		
Augustine Island	Alaska and Aleutians, USA	AUE	59 21 32.4N	153 22 19.8W	172		
Augustine Island	Alaska and Aleutians, USA	AUI AUI	59 20 06.6N	153 25 37.6W	293		Correction to position from Jan 1991. From 1978 IV.
Augustine Lava	Alaska and Aleutians, USA	AUL AUL	59 22 55.8N	153 26 04.2W	360		Augustine Lava Flow. Formerly Augustine I.. From 1980 X 29.
Augustine Mound	Alaska and Aleutians, USA	AUM	59 22 15N	153 21 10W	105		From 1975 IX.
Augustine Pin.	Alaska and Aleutians, USA	AUP AUP	59 21 44.4N	153 25 13.8W	1033		Augustine Pinnacle. Correction to position Mar 1991. From 1977 IX 22.
Augustine Sum.	Alaska and Aleutians, USA	AGU	59 21 36.0N	153 25 50.4W	1226		Augustine Summit. From 1990 IX 01.
Augustine West	Alaska and Aleutians, USA	AUW	59 22 12.3N	153 28 14.9W	276		From 1986 VII to 1990 VIII from 1990 VIII.
Auke Bay	Alaska and Aleutians, USA	ABF	58 22 52.8N	134 38 36.0W	3		From 1980 X 27.
Auki	Solomon Islands	AUK	8 45 42S	160 42 12E	91		
Aurakhmat	Uzbekistan, CIS	AUR	41 35N	70 07E			*Closed*.
Auriere	Provence-Côte d'Azur, France	AURF	43 53 14.4N	7 19 39.0E	1040		
Aurora	Wisconsin, USA	AR−	45 41 48N	88 08 32W	381		*Closed*. From 1962 VI 06 to 1962 X 05.
Auspurger Mt.	Washington, USA	APM	45 44 10N	121 40 50W	865		
Austin	Nevada, USA	AT− AT−	39 28 53N	117 04 26W	1981		*Closed*. From 1962 I 15 to 1962 V 14 from 1963 IV 23 to 1963 VII 01.
Austin	Texas, USA	ATX	30 18 52N	97 52 00W	280		
Austin	Texas, USA	AUS	30 17N	97 47W			*Closed*.
Avacha	Kamchatskaya Obl., RF, CIS	AVH	53 04N	158 30E			
Avellanes	Spain	AVN	41 53 01.2N	0 45 06.6E	630		
Averroes	Morocco	AVE	33 17 53N	7 24 48W	230		From 1937 VI.
Avery Point	Connecticut, USA	APT	41 18 57.5N	72 03 50.0W	3		*Closed*. From 1972 I 07 to 1977 VI 01.
Avezzano	Italy	AZI	41 59 18.4N	13 26 08.4E			*Closed*. From 1987 to 1994.
Avon	New South Wales, Australia	AVO	34 22 35S	150 36 54E	532		From 1958.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Avril sur Loire	Bourgogne, France	AVF	46 47 26.0N	3 21 09.5E	225		From 1977 X 19.
Awaji shima	Hyogo, Honshū, Japan	JAJ	34 20 08.4N	134 54 28.2E	109		
Awa shima	Niigata, Honshū, Japan	JAW	38 27 22.2N	139 14 55.2E	70		
Awoonga Dam 3	Queensland, Australia	AWDQ	24 02 52.1S	151 18 56.5E	110		From 1987 VII 01.
Awu	Sangihe Islands, Indonesia	AWU					*Closed*.
Ayacucho	Peru	PP07	13 05 00S	74 15 00W	2800		
Ayagualo	El Salvador	AYA	13 37 46N	89 17 22W			*Closed*.
Ayaqueme	México D.F., México	AYVM	19 10 04.2N	98 57 15.0W	2924		
Aydıncık	Turkey	AYK	36 09 08N	33 19 37E	50		From 1988 I.
Ayenquera	Peru	AYE	17 00 04.8S	71 40 18.8W	240		
Ayseler	Turkey	AYS	36 53 43.8N	31 34 25.0E	565		From 1977 II.
Azuc	Colombia	AZUC	3 41 38.4N	76 08 09.6W	3680		
Azuero	Panama	AZU	7 47 30.0N	80 16 26.4W	14		Azuero Peninsula.
Bacău	Romania	BAC	46 34N	26 54E	167		From 1942 XII 25.
Băc−Giang	Vietnam	BGV	21 17 38.9N	106 13 42.9E	15		From 1967 IV.
Bacolet	Trinidad and Tobago	BOT	11 10 00.0N	60 43 04.6W	30		
Badger Mountain	Washington, USA	BDG	46 14 04.8N	119 19 03.0W	475		Blanding (WA). From 1969 III.
Badole		SSB	*See* St Sauveur Rue				
Badran	Syria	BDRN	33 20 27.0N	36 18 34.1E	965		From 1994 XII.
Bad Reichenhall	Bayern, Germany	BHG	47 43 17N	12 52 44E	475		From 1972 III.
Bad Segeberg	Schleswig-Holstein, Germany	BSEG	53 56 07.1N	10 19 00.8E	40		
Baghdād	Iraq	BHD	33 16 28N	44 23 09E	32		From 1979.
Bagnères−Bigorre	Midi-Pyrénées, France	BDB	43 03 54N	0 08 54E	561		*Closed*. Bagnères−de−Bigorre. From 1960 to 1970.
Bagni Di Lucca	Italy	BDI	44 03 44.2N	10 35 49.4E	900		From 1983 X.
Bagra	Pakistan	BGP	33 58 27.0N	73 04 05.4E	777		
Baguio	Luzon, Philippines	BAF*	16 25N	120 36E	1500		Philippine Weather Bureau. From 1972.
Baguio	Luzon, Philippines	BWP	16 24 16.8N	120 36 07.8E			Bagio Weather Station.
Baguio City	Luzon, Philippines	BAG	16 24 39N	120 34 47E	1507	WWSSN	Ateneo University. From 1909.
Baguio City	Luzon, Philippines	BCP	16 25 05N	120 36 36E	1500		
Bahıa Solano	Colombia	SOLC	6 22 12.1N	77 27 27.5W	51		From 1994.
Baḥrah	Saudi Arabia	BARA	21 26 24.0N	39 28 15.6E	250		From 1995 IV.
Baḥrah	Saudi Arabia	BHRA	21 26 38.4N	39 58 04.8E			*Closed*. From 1995 I.
Bahraich	Uttar Pradesh, India	BRCI	27 34N	81 35E	123		
Baia Mare	Romania	BMR	47 40 22N	23 29 49E	227		From 1979.
Baie Comeau	Quebec, Canada	CNQ	49 18 08N	68 04 28W	200		Baie Comeau (Cote−Nord). From 1991 I 07.
Baijiatuau	Beijing (Peking), China	BJT	40 01 05.9N	116 10 04.4E	197		From 1995.
Bailadores	Venezuela	BLV	8 11 27N	71 49 32W	1110		*Closed*. From 1969 VIII 01 to 1970 IX 29.
Bailey Peak	Utah, USA	BAP	38 31 35N	112 47 42W	2387		
Baives	Nord-Pas-de-Calais, France	BAIF	50 03 33N	4 12 28E	215		From 1996 IV 03.
Bajram Curri	Albania	BCI	42 21 59.8N	20 04 03.0E	500		
Bakacak	Turkey	BKT	40 08 31.2N	29 08 09.6E	1734		*Closed*. From 1978 IX to 1980 XII.
Bakel	Senegal	BKL	14 54 08.7N	12 27 53.4W	30		From 1976 XI 01.
Baker		BMO	*See* Blue Mountains				
Baker Lake	Northwest Territories, Canada	BLC	64 19 12N	96 01 12W	16		From 1965 VII 26.
Bakersfield	California, USA	BF−	35 38 53N	118 51 27W	567		*Closed*.
Bakhtaran	Iran	KER	34 21 08N	47 06 21E	1310		Formerly Kermānshāh.
Baku	Azerbaydzhan, CIS	BAK	40 23N	49 54E	−12		
Bakuriani	Gruziya, CIS	BKR	41 44N	43 31E	1500		
Balboa Heights	Panama Canal Zone	BHP	8 57 39N	79 33 29W	36	WWSSN	*Closed*. Panama. From 1914 to 1977 III.
Bald Eagle	District of Columbia, USA	BED	38 49 12N	77 00 32W			*Closed*.
Bald Hill	Washington, USA	BLH	47 50 12.6N	122 01 55.8W	198		
Bald Knob	Arkansas, USA	BK− BK−	35 21 24N	91 38 42W	122		*Closed*. From 1962 VII 06 to 1962 VII 12 from 1963 II 12 to 1963 IV 10.
Bald Mt. Lookout	California, USA	CBLG	37 46 17.4N	118 53 54.0W	2560		From 1984.
Bald Peter	Oregon, USA	BPO	44 39 06.9N	121 41 19.2W	1957		From 1987 IX.
Bald Peter	Oregon, USA	VBPM	44 39 39.6N	121 41 20.4W	1876		MNLO code VPB.
Baldwin	Wisconsin, USA	BA−	44 53 58N	92 16 20W	335		*Closed*. From 1962 X 11 to 1962 X 27.
Baldwin Hills	California, USA	DHB	34 01 03.0N	118 23 07.8W			Downhole Baldwin Hills. From 1973 III.
Baldy	Alaska and Aleutians, USA	BALM	61 02 10.2N	142 20 40.2W	1300		From 1973 VIII 24.
Baldy Mt.	California, USA	GBMM	39 08 30.6N	122 29 38.4W	975		
Baldy Mountain	Alaska and Aleutians, USA	BALA	55 11 35.6N	162 47 12.5W	360		*Closed*. To 1991.
Baleine	St Vincent, WIAS	SVL	13 22 04.8N	61 12 14.4W	91		
Balikpapan	Kalimantan, Indonesia	BKB	1 15 21.0S	116 54 55.8E			*Closed*. Moved to BKB2.
Balikpapan	Kalimantan, Indonesia	BKB2	1 15 37.8S	116 53 46.8E			
Ballidu	Western Australia, Australia	BAL	30 36 23.4S	116 42 25.8E	300		From 1982 VIII 27.
Ballon Servance	Franche Comté, France	BSF	47 49 55N	6 47 32E	1200		Ballon de Servance.
Balmorhea	Texas, USA	BM−	30 55 35N	103 51 18W	1067		*Closed*. From 1962 I 20 to 1962 II 15.
Balṭah	Tunisia	BLIT	36 42 46.8N	8 57 10.2E	225		
Baltimore	Vermont, USA	BLVT	43 20 55.7N	72 35 07.1W	300		
Bamboo St Ann	Jamaica	BBJ	18 22 58.8N	77 16 01.2W	641		From 1977 II 14.
Bambui	Cameroon	BNC	6 00 57.6N	10 16 48E	1890		From 1987 II 17.
Banawang	Luzon, Philippines	BNP	14 37 07.8N	120 24 49.1E	71		
Bancas Point	Alaska and Aleutians, USA	BCPM	59 57 12N	139 38 06W	396		From 1979 VII 07.
Banda Aceh	Sumatera, Indonesia	BSI	5 29 46.2N	95 17 40.8E			
Banda−Neira	Moluccas, Indonesia	BNJ					*Closed*.
Bandirma	Turkey	BNT	40 21 22N	27 55 12E	354		From 1984 I 01.
Bandung	Jawa, Indonesia	BND	6 54S	107 39E	726		*Closed*. Bandong.
Banff	Alberta, Canada	BAN	51 10 18N	115 33 30W	1500		*Closed*. From 1956 VIII to 1966 IX 22.
Bangor	Maine, USA	BG−	44 38 04N	69 13 17W	183		*Closed*. From 1961 XI 04 to 1962 VII 01.
Bangor (NY)	New York, USA	BGR	44 49 43.8N	74 22 27.0W	326		From 1976 XI to 1977 III 14 from 1977 VII 14.
Bangui	Central African Republic	BCAO	4 26 00N	18 32 07E	336		*Closed*. From 1979 V 31.
Bangui	Central African Republic	BNG	4 26 06N	18 32 48E	378		
Banja Luka	Bosnia-Hercegovina	BLY	44 44 55.6N	17 11 02.0E	256		From 1975 V.
Bannalp	Switzerland	BNALP	46 52 14.2N	8 25 30.0E	860		From 1998 XII.
Baños Encina	Spain	EBAN	38 09 51.6N	3 47 08.4W	460		Baños de la Encina. From 1986 XI.
Baotou	Nei Monggol Zizhiqu (Inner Mongolia), China	BTO BTO	40 35 54N	110 01 06E	1120		*PAO* Pao−t'ou.
Baptist College of Charleston		BCS	*See* Charleston				
Barbados	Barbados, WIAS	BDS	13 08 45.6N	59 37 33.6W	110		Husbands. From 1969 VII 30.
Barbados	Barbados, WIAS	BRB BRB	13 07 19.2N	59 36 21.6W	55		*Closed*. Barbados (Codrington). From 1955 VI 30 to 1969 VII 25.
Barbar	Syria	BRBR	33 24 40.5N	35 57 03.0E	1834		From 1994 XII.
Barber's Block	Dominica, WIAS	BBL	15 31 22.8N	61 28 40.8W	365		Le Morne Espagnol. From 1978 XI 21.
Barbuda	Barbuda, WIAS	BWI	17 39 54N	61 47 24W	30		Highland Field. From 1977 I.
Barcelona	Venezuela	BARV	9 59 02.4N	70 44 45.6W			
Barcelona		FBR	*See* Fabra				
Bardonecchia	Italy	BNI	45 03 09.7N	6 40 30.6E	1395		
Bare Mountain	Nevada, USA	BRO	36 45 46N	116 37 31W	920		From 1978 XI 28.
Bar Giyyora	Israel	BGIO BGIO	31 43 19.4N	35 05 16.2E	760		Correction to elevation and name Mar 1991. From 1986 VIII 11.
Barguzin	Buryatskaya ASSR, RF, CIS	BGZ	53 37N	109 37E			

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Barham	England, UK	BHM	51 12 46N	1 10 27E	100		
Bari	Italy	BAI	41 07 12N	16 52 00E			
Bari−Castellana	Italy	BRT	40 52 40N	17 12 13E	333		From 1978.
Barichara	Colombia	BARC	6 38 36.3N	73 10 35.1W	1859		
Baring Head	North Island, New Zealand	BHW	41 24 33S	174 52 17E			From 1975 XI 27.
Barley Canyon	New Mexico, USA	BRC	35 53 25N	106 42 41W	2261		*Closed*. From 1976 VI.
Barnard House	St Vincent, WIAS	BHS	13 17 46.7N	61 07 37.8W	90		
Barnechea	Santiago, Chile	BACH	33 21 10S	70 29 30W	820		
Baronissi	Italy	BSS	40 47 26N	14 48 22E	205		
B. Abdel Moumen	Morocco	BAM	30 39 58N	9 09 58W			Barrage Abdel Moumen.
B. El Makhazine	Morocco	BMK	34 56 27.6N	5 50 34.8W			Barrage El Makhazine. From 1979 VI.
B. Ibn Batouta	Morocco	BIT	35 38 53N	5 43 44W	60		Barrage Ibn Batouta.
B. Ibn Battouta	Morocco	BBT	35 38 34N	5 44 04W	78		Barrage Ibn Battouta. From 1981.
B. Koelnbrein	Austria	KBA	47 04 42.2N	13 20 40.9E	1721		Barrage Koelnbrein. From 1981 XI.
Barrage Koelnbrein		KBA	*See* B. Koelnbrein				
B.M. Eddahbi	Morocco	BME	30 54 56N	6 45 37W	1078		Barrage Mansour Eddahbi. From 1975 III.
B.M.B. Abdellah	Morocco	BMB	33 55 48N	6 45 00W			Barrage Mohamed Ben Abdellah. From 1978.
Barra Mansa	Rio de Janeiro, Brazil	BMA	22 41 42S	44 09 13W	595		
Barranco	Portugal	PFBV	37 16 17.4N	7 58 50.9W	573		Barranco do Velho. From 1996 I.
Barreal	San Juan, Argentina	RTBS	31 39 41S	69 27 11W			
Barren Site	New Mexico, USA	BNM	34 09 00.6N	106 37 40.2W	2121		Correction to coordinates Aug 1993.
Barrett	California, USA	BAR	32 40 48N	116 40 18W	510		From 1952 I 17.
Barrette	Hawaii, Hawaiian Islands	BAH	21 20 22.9N	158 04 37.8W			*Closed*. From 1970.
Barrier Glacier	Alaska and Aleutians, USA	BGL	61 15 48.6N	152 23 25.8W	1173		From 1989.
Barrier Glacier 2	Alaska and Aleutians, USA	BGRM	60 45 27.0N	152 25 03.6W	985		Barrier Glacier Two. From 1991 VII 01.
Barrio Florida	Puerto Rico	PWP	18 08 06N	65 26 42W	10		*Closed*. From 1975 III to 1978 III 13.
Barrow	Alaska and Aleutians, USA	BRV	71 16 27N	156 47 05W	15		
Barrow	Alaska and Aleutians, USA	BRW	71 18 12N	156 44 54W			From 1965 I to 1975 VI from 1983 VII 07.
Barry Inlet	British Columbia, Canada	BNB	52 34 33N	131 45 08W	765		From 1985 IX.
Barry Ridge	California, USA	KBRM	40 43 47.4N	123 57 20.4W	853		MNLO code KBR.
Barter Island	Alaska and Aleutians, USA	BI1	70 07 54.6N	143 38 30.0W	10		*Closed*. From 1975 IX.
Barter Island	Alaska and Aleutians, USA	BI2	69 37 24N	145 53 42W	1100		*Closed*. From 1975 IX.
Barter Island	Alaska and Aleutians, USA	BI3	69 35 48.0N	144 22 14.4W	690		*Closed*. From 1975 IX to 1978 VIII 14.
Barter Island	Alaska and Aleutians, USA	BI4	69 31 12.6N	142 58 48.0W	745		*Closed*. From 1975 IX.
Barton Gulch	Montana, USA	BGMT	45 14 00.0N	112 02 25.8W	2172		
Barú	Panama	BRU	8 48 24.6N	82 33 39.0W	3425		
Basco	Batan Islands, Philippines	BAP*	20 27 44.0N	121 58 10.3E	10		To 1971 IV.
Basco	Batan Islands, Philippines	BBP	20 26 28N	121 57 50E	40		
Basel−Blauen	Switzerland	BBS	47 27 52N	7 30 33E	700		From 1974 VI.
Basin Creek	Montana, USA	BCM	45 50 07.8N	112 30 55.2W	1975		*Closed*. From 1980 XI 12 to 1981 X 10.
Basle	Switzerland	BAS	47 32 24N	7 34 54E	309		*Closed*. Basel, Bâle. From 1934 to 1978.
Basra	Iraq	BSR	30 36N	47 48E			
Basse Terre	Guadeloupe	BTG	15 59 24.6N	61 43 09.0W	42		Fort St Charles. From 1976.
Bassetti Ranch	California, USA	PBRM	35 32 54.6N	121 00 32.4W	85		
Bassoo Peak	Montana, USA	BSMT	47 51 04.8N	114 47 13.2W	1950		
Bastide du Pradon		PRAF	*See* Pradon				
Batavia, Djakarta		DJA	*See* Jakarta				
Bat Cave Butte	California, USA	BATC	33 27 32.4N	115 50 27.6W	−18		
Bates	Oregon, USA	BT−	44 37 28N	118 46 16W	1372		*Closed*.
Bath County 1	Virginia, USA	BV1	38 10 41N	79 39 40W	768		From 1978 VIII 01.
Bath County 2	Virginia, USA	BV2	38 08 12N	79 55 10W	610		From 1978 VIII 01.
Bath County 3	Virginia, USA	BV3	38 14 18N	79 46 00W	750		From 1978 VIII 01.
Bath County 4	Virginia, USA	BV4	38 21 26N	79 49 40W	814		From 1978 VIII 01.
Batoke	Cameroon	BTE	4 02 53N	9 05 13E	90		From 1985 III 01.
Batrach	Syria	BTCH	36 02 15N	36 27 33E	803		From 1995 IV.
Bat Shelomo	Israel	BTI	32 36 50.4N	35 00 57.6E	300		*Closed*. To 1983 VII.
Battle Mountain	Nevada, USA	BMN	40 25 53.3N	117 13 18.4W	1594		From 1969 IX 02.
Bautismo	Venezuela	BAUT	10 33 36N	66 28 55W	1976		*Closed*. From 1984.
Baw Faw Mt.	Washington, USA	BFW	46 29 12.0N	123 12 53.4W	902		From 1972 X 25.
Bayana	Nepal	BAYN	29 28 12N	81 12 00E	3050		From 1995.
Bayanday	Irkutskaya Obl., RF, CIS	BAY	53 04N	105 31E			*Closed*.
Bayano	Panama	BYN	9 11 27.6N	78 52 30.0W			
Baylor Univ.	Texas, USA	BUTX	31 41 30N	97 20 54W	183		Baylor University. From 1992 XI.
Bayram−Ali	Turkmeniya, CIS	BAT	37 36N	62 07E			*Closed*.
Bear Butte	California, USA	KBBM	40 11 49.2N	123 51 00.0W	576		MNLO code KBB.
Bear Canyon	Utah, USA	BCU	39 35 54N	110 22 15W	2438		*Closed*. From 1962 I to 1977 III.
Bear Canyon	Idaho, USA	BCYI	44 18 39.0N	113 24 18.6W	2194		From 1992.
Bear Creek Road	California, USA	LT15	37 09 37.1N	122 01 34.3W	660		*JBCM* From 1969 V 21.
Bear Gulch	California, USA	BGH	37 20 31.2N	122 20 20.4W	158		*JBGM* From 1971 XI 02.
Bear Mountain	California, USA	BMTC	35 08 08.9N	118 35 48.5W	1237		PAS code BMT. From 1976 VIII.
Bear Mountains	New Mexico, USA	BMNM	34 16 30.0N	107 15 36.6W	1972		
Bear River Range	Idaho, USA	BEI	42 07 00.0N	111 46 56.3W	1859		From 1974 X.
Bear Valley	California, USA	BVL	36 34 30.6N	121 11 20.4W	510		*BVLM* From 1970 IX 03.
Bear Valley Obs.	California, USA	BVC	38 02 23N	122 47 33W	30		*Closed*.
Beatrice	Nebraska, USA	BENE	40 13 00N	96 36 09W	396		
Beatty	Nevada, USA	BEA	36 53N	116 46W			*Closed*. From 1972 I to 1973 IV.
Beatty	Nevada, USA	BTY	36 53N	116 46W	1183		*Closed*. From 1971 I to 1973 IV.
Beaufort West	Cape Province, South Africa	BEW	32 21 23.4S	22 34 22.8E	870		From 1993 IV.
Beaver	Pennsylvania, USA	BVR	40 42N	80 20W			
Beaver Butte	Oregon, USA	VBEM	45 03 37.2N	121 35 12.6W	1544		MNLO code VBE.
Beaver Creek Ar.	Alaska and Aleutians, USA	BCA3	63 03 56.2N	141 47 06.4W	847		Beaver Creek Array. From 1993 VII.
Beaver Lake	Utah, USA	BVK	38 32 47N	113 06 19W	1707		
Beaver Lake Mts	Utah, USA	BKU	38 32 06.6N	113 07 36.6W	1859		*Closed*. From 1980 XII to 1988 IX 29.
Beaver Mountain	Wyoming, USA	BEAW	43 15 03.4N	110 36 48.2W	2960		From 1990 IX.
Beckley	West Virginia, USA	BL−	37 47 56N	81 10 36W	610		*Closed*. From 1961 XII 13 to 1965 VII 23.
Beckwourth	California, USA	BEKR	39 52 00.1N	120 21 31.0W	1743		
Bedford	Pennsylvania, USA	BD−	40 08 00N	78 30 28W	366		*Closed*. From 1962 XII 22 to 1963 III 21.
Beebe Ranch	California, USA	BBR	38 15 39.0N	122 32 59.4W	137		*NBRM* From 1970 VIII 14.
Beegum Peak	California, USA	LBPM	40 19 06.0N	122 52 52.8W	1051		
Beibei	Sichuan (Szechwan), China	PEH	29 50 12N	106 25 06E	213		Pei−p'ei.
Beijing	Beijing (Peking), China	BJI	40 02 25N	116 10 30E	43		*PEK* Chiufeng Peking.
Beijing	Beijing (Peking), China	BJI2	40 06 06N	116 04 54E			*Closed*. Peking outpost Beijing outpost. From 1977 III to 1977 VI.
		BJI2					
Beja	Portugal	PBEJ	38 01 35N	7 51 59W	270		From 1995 VI.
Békéscsaba	Hungary	BKE	46 36 45.0N	17 53 34.8E	95		From 1987.
Belacker	Alsace, France	BAF	47 50 05N	6 59 43E	1000		From 1974 X.
Belbaşi	Turkey	BBTK	39 50 32N	32 45 37E	1200		From 1986 I.
Belchertown	Massachusetts, USA	QUA2	42 16 44.0N	72 21 09.0W	168		
Belém	Pará, Brazil	BEB	1 27 00S	48 26 42W	15		From 1987.
Belfast (SA)	Transvaal, South Africa	BFT	25 41 12S	30 02 36E	1868		South Africa. From 1986.
Belfond	St Lucia, WIAS	SLB	13 49 33N	61 02 27W	600		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Belgrade	Serbia	BEO	44 49 17.2N	20 27 19.2E	129		Beograd.
Belgrade	Serbia	BGY	44 48 09.4N	20 30 56.9E	250		From 1990.
Bella Bella	British Columbia, Canada	BBB	52 11 04.9N	128 06 47.9W	14		From 1986 XII 05.
Belle Prairie	Illinois, USA	BPIL	38 12 07N	88 35 31W	133		*Closed*. To 1993 VI.
Belleview	Florida, USA	BE−	28 54 19N	82 03 52W	21		*Closed*. From 1965 X 07 to 1967 I 16.
Belle View Chopil	Dominica, WIAS	DBCT	15 16 10.6N	61 21 12.2W	527		From 1989 XII.
Belleville	Pennsylvania, USA	BV−	40 41 04N	77 37 24W	244		*Closed*. From 1962 XI 08 to 1962 XII 12.
Bellevue	Martinique	BVM	14 44 06.0N	61 03 46.8W	694		From 1972 V 01.
Bellevue St. Pk	Delaware, USA	BVD	39 46 29.5N	75 29 57.5W	58		Bellevue State Park. From 1985 II.
Bellfield	Victoria, Australia	BFD	37 10 34S	142 32 40E	235		From 1972 X 16.
Bellingham	Washington, USA	BLL	48 44 20N	122 29 05W	96		*Closed*. From 1961 XII to 1969.
Bell Mountain	Nevada, USA	BLM*	39 09 13N	118 05 30W	1951		*Closed*. Code BLM is used for Blue Mountain,
		BLM*					Alaska. From 1972 I 13 to 1975 VII.
Bell Springs	California, USA	KBSM	39 55 04.2N	123 35 40.8W	1134		MNLO code KBS.
Belluno		VAJ	*See* Vajont				
Bellville	Cape Province, South Africa	BLE	33 54 00S	18 38 42E	78		
Belmont	St Vincent, WIAS	SVB	13 16 19.2N	61 15 07.2W	282		From 1978 VI 06.
Belsk	Poland	BEL	51 50N	20 49E	180		*Closed*. From 1965 XI 03.
Belted Range	Nevada, USA	BLT	37 28 56N	116 07 21W	1820		From 1979 V 30.
Beluga	Alaska and Aleutians, USA	BLGA	61 10 35.5N	151 01 52.6W	20		Coordinates corrected Oct 1998.
Belvue	Kansas, USA	BEK	39 15 47.4N	96 11 58.8W	349		From 1977 IX 15.
Bemidji	Minnesota, USA	BEM	47 29 20N	94 52 06W	426		From 1981 VII 07.
Bench	Alaska and Aleutians, USA	BEH	66 00 54N	149 48 42W			From 1985 III.
Bend	Alaska and Aleutians, USA	CKT	61 12 03.0N	152 12 22.2W	1036		From 1992 IX 17.
Benevento	Italy	BNV	41 08N	14 18E	154		*Closed*.
Bengkulu	Sumatera, Indonesia	BGI	3 39S	102 34E			
Beni−Abbès	Algeria	BAB	30 07 17N	2 11 10W			
Beni Messoud	Morocco	BMD	35 46 49N	5 41 59W			
Ben Lomond	California, USA	JBLM	37 07 41.4N	122 10 04.8W	792		Camp Ben Lomond Correction to position Mar
		JBLM					1993. From 1976 IV 27.
Bennett Dam	British Columbia, Canada	BDBC	56 10 27N	122 16 57W	700		From 1985 X.
Benn Knob	North Carolina, USA	BENN	35 33 54.0N	81 39 39.6W	878		From 1982 I 22.
Bensberg	Nordrhein-Westfalen, Germany	BNS	50 57 50N	7 10 32E	200		Bensberg−bei−Köln. From 1954 IV.
Benton	California, USA	BENR	37 42 55.8N	118 34 24.0W	2490		From 1983 VII 29.
Beograd		BEO	*See* Belgrade				
Beppu	Ōita, Kyūshū, Japan	BEP	33 17N	131 29E	75		*Closed*.
Beqa	Fiji	BQA	18 22 43S	178 08 06E	439		From 1979 X.
Berane	Montenegro	IVA	42 52 18.3N	19 53 53.2E	945		*BEY* Ivangrad. From 1982 XII 25.
Berati	Albania	BERA	40 42 09.7N	19 56 57.8E	100		
Berda	Tunisia	BERT	34 14 27.0N	8 48 25.2E	320		
Bergen	Norway	BER	60 22 58N	5 20 02.4E	50		Moved 1977:08 from 60:23:13N 5:19:33E 22m.
Berggiesshübel	Sachsen, Germany	BRG	50 52 23.6N	13 56 34.2E	296		
Bergheim	Nordrhein-Westfalen, Germany	BEG	50 57 40.8N	6 39 20.5E	−95		From 1975 V.
Bering	Kamchatskaya Obl., RF, CIS	BKI	55 12N	165 58E	400		Kamandorsky Islands Nikolskoe.
Berkeley	California, USA	BRK	37 52 24N	122 15 36W	81		Haviland. From 1887.
Berkeley Strawberry		BKS	*See* Byerly				
Berlin	Berlin, Germany	BRN	52 25 07.5N	13 12 11.2E	45		From 1972 VII 01.
Berlin−Lankwitz	Berlin, Germany	BRNL	52 25 40.1N	13 21 28.7E	42		From 1991 IV 06.
Berlin (NH)	New Hampshire, USA	BNH	44 35 26N	71 15 23W	472		*Closed*. From 1963 I to 1999 I.
Berlin (NY)	New York, USA	BERL	42 41 28.8N	73 23 28.8W	549		
Berlin (Penn)	Pennsylvania, USA	BR−	39 55 27N	78 50 41W	665		*Closed*. From 1962 XII 30 to 1965 VII 23.
Berlin Univ.	Berlin, Germany	BRL	52 28 17.5N	13 17 25.6E	−68		Moved slightly 1982:11:01. From 1970 I 01 to 1972
		BRL					III 28 from 1980 I 21.
Bermuda−Col.	Bermuda	BEC	32 22 46N	64 40 52W	41	WWSSN	Fort George Bermuda−Columbia. From 1939 II 03.
Bermuda−Navy	Bermuda	BEN	32 16 11N	64 51 13W			*Closed*.
Bernadia	Italy	BAD	46 14 12N	13 14 36E	640		*BERI* From 1977 V 06.
Bernardo	New Mexico, USA	BDNM	34 29 45.6N	106 54 47.4W	1505		Correction to coordinates Aug 1993. From 1990.
Bernard Price Institute		BPI	*See* Johannesberg				
Bernie	Missouri, USA	BRM	36 38 00N	90 03 35W	109		*Closed*. From 1969 to 1973.
Berrybush	Wales, UK	BYB	51 53 58N	5 05 45W			
Berryessa Peak	California, USA	NBPM	38 40 04.1N	122 11 35.9W	67		From 1974 V 10.
Berryman	Missouri, USA	BRR	37 57 12N	91 10 30W	250		*Closed*. From 1960 to 1962.
Bertagne	Provence-Côte d'Azur, France	BERF	43 18 46.8N	5 41 26.5E	1030		
Bertha Hill	Idaho, USA	BHI	46 45 50.4N	115 47 31.2W	1652		*Closed*. From 1971 X to 1976 I 14.
Berwen	South Island, New Zealand	BWZ	44 31 54S	169 52 59E	500		Berwen Station. From 1991 I 20.
Besançon	Franche Comté, France	BES	47 14 59N	5 59 15E	311		From 1950.
Betania	Colombia	BETC	2 40 53.0N	75 26 28.6W	540		From 1994.
Bet Guvrin	Israel	GVI	31 37 55.2N	34 54 32.4E	390		*Closed*. Correction to position Mar 1991. From
		GVI					1983 IV.
Betharram	Aquitaine, France	BTH	43 07 23N	0 12 25W	325		From 1986 VIII.
Bethel	Alaska and Aleutians, USA	BET	60 48 28N	161 46 18W			*Closed*.
Bethel	Kentucky, USA	BETH	38 14 48N	83 51 11W	278		*Closed*. From 1980 X 26.
Bethel	Oklahoma, USA	BHO	34 22 50.9N	94 52 02.2W	143		*Closed*. From 1981 III 30 to 1987 X 15.
Bethel	Montserrat	MBET	16 44 29.0N	62 09 47.2W	350		From 1989 VII.
Bethesda	Maryland, USA	NHB	39 00 05.6N	77 05 01.3W	91		*Closed*. National Naval Medical Center. From
		NHB					1962 to 1972.
Betijoque	Venezuela	BETV	9 22 44.4N	70 40 22.8W			
Bet Oren	Israel	BRNI	32 43 12N	34 59 24E	400		From 1991 XII.
Beuren	Baden-Württemberg, Germany	BEU	48 35 01.8N	9 24 55.2E	444		
Beverley	Jamaica	BEV	18 27 06N	77 18 00W	123		*Closed*.
Beverly	Washington, USA	BVW	46 48 37.8N	119 52 54.1W	707		
Bhakra	Punjab, India	BHK	31 25N	76 25E	410		From 1965 II 15.
Bhandari	Nagaland, India	BHDI	26 16 48N	94 08 57E	700		
Bhannes	Lebanon	BHL	33 54 14N	35 39 11E	955		From 1983 I.
Bhopal	Madhya Pradesh, India	BHPL	23 14 27.6N	77 25 28.2E			
Bhuj	Gujarat, India	BHJ	23 15 14N	69 39 14E	80		From 1980 IV.
Bhuj	Gujarat, India	BHUJ	23 15 14.4N	69 39 14.4E			
Bhumibol Dam	Thailand	BDT	17 14 39.6N	99 00 10.8E	154		Phumiphol Dam, Bhumiphol Dam. From 1976 I.
Bialla	Papua New Guinea	BIAL	5 18 36.0S	151 03 07.2E	160		From 1985 V 13.
Bicaz	Romania	BIZ	46 56 21N	26 06 15E	410		
Bidston	England, UK	BID	53 24N	3 04W	60		*Closed*.
Big Bear	California, USA	BBC	34 14 30N	116 54 30W	2060		*Closed*. From 1951 VI 21 to 1957 IX 20.
Big Bend	Idaho, USA	BBI	44 10 34.2N	111 25 43.8W	1950		*Closed*. From 1974 VI to 1980 VII 24.
Big Bend	Montana, USA	BBM	48 22 35N	115 19 39W	719		*Closed*. From 1971 II to 1974 VII 09.
Big Butte	Nevada, USA	BGB	37 02 16N	116 13 40W	1720		From 1979 I 23.
Big Chuckwalla 2	California, USA	BC2	33 39 25.2N	115 27 40.2W	1185		Big Chuckwalla Mountains No 2. From 1974 XI.
Big Creek	Nevada, USA	BGN	41 40 34N	118 35 49W	1527		*Closed*. From 1974 III to 1975 VIII.
Big Creek Baldy	Montana, USA	BCB	48 38 06.5N	115 32 43.4W	1756		*Closed*. From 1972 VII 02 to 1976 X 04.
Big Darby	California, USA	GBDM	39 26 31.2N	123 18 33.0W	655		MNLO code GBD.
Big Dutch Hollow	Utah, USA	BDU	40 52 27N	111 32 02W	2198		*Closed*. From 1974 IX to 1989 IV 24.
Bigfork	Montana, USA	BFM	48 04 02N	114 06 01W	914		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Big Grassy Butte	Idaho, USA	GBI	43 59 15N	112 03 48W	1561		
Big Hill	North Island, New Zealand	BLW	41 22 07S	175 28 28E	340		From 1979 VI 29.
Big Koniuji	Alaska and Aleutians, USA	BKJ	55 09 24N	159 33 31.8W	146		Big Koniuji Island.
Big Lost River	Idaho, USA	LRI	43 31 42N	112 56 54W	1509		*Closed*. From 1971 XII.
Big Maria Mts	California, USA	BMM	33 45 24.0N	114 35 08.4W	564		*Closed*. From 1974 IV to 1976 X.
Big Mountain	California, USA	BBGM	36 35 28.7N	121 01 31.1W	1216		From 1972 II 03.
Big Mountain	Alaska and Aleutians, USA	BGM	59 23 33.6N	155 13 45.6W	625		From 1979 II 21.
Big Mountain	Alaska and Aleutians, USA	BIG	59 23 20N	155 13 01W	567		*Closed*. From 1972 VII 31 to 1978 IX 08.
Big Muddy Lake	Saskatchewan, Canada	BMS	49 12 42.1N	104 47 35.9W	700		Minton. From 1977 VII 11.
Bigot	Martinique	BIM	14 31 01.2N	61 04 15.0W	425		From 1972.
Big Springs	Tennessee, USA	BSPT	35 43 33.6N	84 06 32.4W	334		From 1983 XI 01.
Big Stone Gap	Virginia, USA	BI−	36 50 45N	82 42 25W	549		*Closed*. From 1962 XI 07 to 1962 XII 12.
Bilaspur	Madhya Pradesh, India	BLPI	22 05N	82 25E	85		
Bilaspur	Madhya Pradesh, India	BLSP	22 07 44.8N	82 07 54.8E	398		
Bilibino	Magadanskaya Obl., RF, CIS	BILL	68 03 54.4N	166 27 08.6E	299		
Bingham Canyon	Utah, USA	BIU	40 30 47N	112 08 08W	2244		
Binghamton	New York, USA	BING	42 04 32.4N	75 58 36.0W	408		From 1978 X 18 to 1986 IX.
Binghamton	New York, USA	BINY	42 11 57.5N	75 59 10.0W	498		From 1993 VIII 17.
Binghamton	New York, USA	BNY	42 05 22.5N	75 58 15.0W	291		From 1970 VIII.
Bingley Moor	England, UK	BMY	53 52 11.4N	1 49 06.6W	235		
Bingol	Turkey	BINT	38 52 33.0N	40 29 20.4E	1342		From 1997 VIII 21.
Binsa	Zaïre	BIN	4 22S	15 15E	450		*Closed*. Léopoldville Binza. From 1966.
Biorka	Alaska and Aleutians, USA	BIO	56 51 06N	135 33 30W	61		*Closed*. From 1967 VI 08 to 1970 V.
Biratori	Hidaka, Hokkaidō, Japan	JBT	42 35 23.4N	142 08 01.2E	100		From 1995IV.
Birch Creek	California, USA	BCKR	37 41 51.0N	118 22 19.2W	1634		From 1984 IX 13.
Birch Farm	North Island, New Zealand	BFZ	40 40 54S	176 14 46E	318		From 1996 VII.
Birchfield Mt.	Tennessee, USA	BFMT	35 29 16.8N	84 13 37.2W	329		From 1983 XI 09.
Birch Hill	Alaska and Aleutians, USA	BRH	64 51 53.3N	147 38 25.1W	330		*Closed*. From 1970 VII 09 to 1972 VIII 10.
Bird Springs	California, USA	WBSM	35 32 13.2N	118 08 22.2W	1932		MNLO code WBS.
Birlad	Romania	BIR	46 15 59N	27 37 35E	225		From 1979.
Bir Mashi	Saudi Arabia	BMSH	28 48 50N	34 50 20E	50		From 1993 VII.
Bíshah	Saudi Arabia	BISH	20 00 03.6N	42 35 56.4E	800		From 1991 V.
Bishkek	Kirgiziya, CIS	FRU	42 50N	74 37E	655		Frunze Frounze.
Bishop	California, USA	BHPR	37 17 58.2N	118 29 14.4W	2171		From 1984 VIII 10.
Bishop	California, USA	BP−	37 21 36N	118 41 25W	2317		*Closed*. From 1963 IV 16 to 1963 VII 18.
Bislig	Mindanao, Philippines	BIP	8 13 30N	126 15 00E	200		
Bismark Peak	Nevada, USA	BIS	39 07 25.7N	119 40 30.0W	1786		From 1978 III.
Bistriski jarek	Slovenia	BISS	46 38 52.1N	15 07 37.7E	480		From 1996 XII.
Bisya	Muscat and Oman	BSYO	22 43 51.6N	57 14 24.7E	350		From 1998 V 26.
Bitlis	Turkey	BTLK	38 24 25.1N	42 06 21.4E	1545		
Bitterwater Creek	California, USA	BTW	36 18 54N	120 55 45W	381		*PBWM* From 1972 I 27.
Bixby	Oklahoma, USA	BIX	35 58 40.8N	95 50 46.0W	195		From 1990 VIII 01.
Bjørnøya	Norway	BJO	74 30 19.8N	19 11 17.9E	18		
Black Birch	South Island, New Zealand	BBW	41 42 45S	173 52 42E	250		
Blackbird	Delaware, USA	BBD BBD	39 20 46.0N	75 40 36.1W	18		*Closed*. Blackbird State Forest. From 1977 I 01 to 1999 I.
Blackburn		STO	*See* Stonyhurst				
Black Butte	New Mexico, USA	BBN	34 24 28.0N	106 44 44.3W	1524		*Closed*. From 1970 II 15 to 1971 XII 18.
Black Butte	Montana, USA	BLK	48 51 16.8N	115 07 03.6W	969		*Closed*. From 1971 II 07 to 1976 X 04.
Black Canyon N	California, USA	BCHM	36 03 15.5N	117 43 41.5W	1265		Black Canyon North. From 1975 IX 26.
Black Forest	Baden-Württemberg, Germany	BFO BFO	48 19 48.2N	8 19 46.4E	589		Black Forest Observatory (Schiltach). From 1974 X.
Black Fox Mt.	California, USA	LBFM	41 20 49.2N	121 53 25.2W	1982		
Black Hill	Alaska and Aleutians, USA	BLHA	55 42 09N	162 03 57W	390		To 1990 VII.
Black Hill	Scotland, UK	EBH	56 14 53N	3 30 29W	375		From 1969.
Black Hills	South Dakota, USA	RSSD	44 07 13.5N	104 02 10.3W	2060		From 1981 VIII 10.
Black Mt.	California, USA	BLKC	35 05 16.8N	117 13 06.6W	648		
Black Mountain	Nevada, USA	BMTN	37 17 21.2N	116 38 25.8W	2098		From 1983 IV 15.
Black Mountain	Utah, USA	BMUT	41 57 29.4N	111 14 03.0W	2243		From 1979 X.
Black Mountain	California, USA	JBMM	37 19 05.5N	122 09 09.7W	820		From 1975 II 24.
Blacknest	England, UK	BKN	51 21 51N	1 11 13W	107		From 1973 II 22.
Black Oak	California, USA	GBOM	38 49 27.5N	122 50 34.1W	879		From 1975 VI 20.
Black Peak	Arizona, USA	BPK	34 07 28.8N	114 12 34.8W	504		*Closed*. From 1974 IV to 1976 XI 09.
Black Rapids	Alaska and Aleutians, USA	BLR	63 30 06N	145 50 42W	809		*Closed*. From 1965 III.
Black River	Jamaica	BRJ	18 02 00N	77 52 06W	8		*Closed*. From 1961 XI 05 to 1964 III 07.
Black Rock V.	Washington, USA	BRVW	46 29 07.2N	119 59 29.4W	925		Black Rock Valley.
Blacksburg	Virginia, USA	BAV	37 13 19.4N	80 25 30.0W	622		From 1973 IX.
Blacksburg	Virginia, USA	BLA	37 12 40.7N	80 25 15.6W	634	WWSSN	From 1962 IX 04.
Blanchard	California, USA	MBFM	37 40 42.6N	120 21 47.9W	309		Blanchard Fire Station A. From 1976 XI 03.
Blanding	Utah, USA	BX−	37 33 48N	109 26 02W	1707		*Closed*. From 1963 VIII 08 to 1964 III 18.
Blanding (WA)		BDG	*See* Badger Mountain				
Blåsjø	Norway	BLS	59 23 24.0N	6 26 56.4E	1170		From 1985.
Blåsjø	Norway	BLS1	59 23 27.6N	6 49 37.2E	1160		*Closed*. From 1986 X to 1991 I 10.
Blåsjø	Norway	BLS2	59 17 38.4N	6 55 37.2E	1190		*Closed*. From 1986 X to 1991 I 10.
Blåsjø	Norway	BLS3	59 25 30.0N	6 30 54.0E	1130		*Closed*. From 1986 X to 1991 I 10.
Blåsjø	Norway	BLS5	59 25 22.4N	6 27 21.6E	540		
Blewett	Washington, USA	BW−	47 22 49N	120 39 12W	884		*Closed*.
Blockade Glacier	Alaska and Aleutians, USA	BKG	61 04 12.6N	152 15 46.5W	1009		From 1991 VII 01.
Bloemfontein	Orange Free State, South Africa	BLF BLF	29 06 32S	26 11 17E	1420		
Bloomer Hill	California, USA	OBHM	39 39 06.1N	121 27 42.1W	914		From 1975 IX 06.
Bloomington	Indiana, USA	BLO	39 10 19N	86 31 20W	246		Elevation corrected from 230m. From 1961 XII.
Bloomsburg	Pennsylvania, USA	BB−	41 10 56N	76 33 07W	305		*Closed*. From 1962 VIII 16 to 1962 X 05.
Blowhole	Tennessee, USA	BHT	35 50 49.2N	84 56 42.0W	826		From 1981 X 23.
Blue Bank Bayou	Tennessee, USA	BBTN	36 23 13.2N	89 27 25.2W	88		*Closed*. To 1993 VI.
Blue Mountain	Alaska and Aleutians, USA	BMT	58 02 48N	156 20 12W	550		*BLM* From 1975.
Blue Mountain L.	New York, USA	BML	43 52 04.8N	74 24 07.2W	305		*Closed*. From 1971 IX to 1973 X.
Blue Mountains	Oregon, USA	BMO BMO	44 50 56N	117 18 20W	1189		Baker Blue Mountains Array. From 1962 to 1975 V 12 from 1991 VII.
Bluenose Ridge	California, USA	KBNM	39 53 33.6N	123 11 38.4W	1363		MNLO code KBN. From 1979 XI 09.
Blue Ridge	California, USA	BLU	34 24 19.2N	117 43 31.2W	1880		From 1975 II.
Blue Ridge	Arizona, USA	BRDG	34 37 33.6N	111 10 33.6W	2057		From 1991.
Blue Ridge B.C.	North Carolina, USA	BRBC BRBC	35 44 20.4N	82 17 09.6W	1976		Blue Ridge Broadcasting Company. From 1982 V 26.
Blue River	British Columbia, Canada	WGB WGB	52 06 08.3N	119 27 55.4W	2012		*Closed*. Wells Gray. From 1984 VIII 08 to 1986 VII 31.
Blum	New York, USA	BLMY	41 19 47N	73 57 18W	134		
Blyn Mountain	Washington, USA	BLN	48 00 26.5N	122 58 18.6W	585		From 1970 VII 02.
Boaco	Nicaragua	BOA	12 28 54.6N	85 43 04.2W	550		From 1975.
Bobbio (Coli)	Italy	BOB	44 46 01.2N	9 26 53.5E	930		
Bob Jaurequi	California, USA	ABJM	39 09 55.1N	121 11 28.3W	457		Bob Jaurequi Ranch. From 1976 VII 27.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Bob Quinn Lake	British Columbia, Canada	BQB	57 01 21.6N	130 14 25.2W	1310		From 1981 X 09.
Bobrof	Alaska and Aleutians, USA	AK4	51 49 22.8N	177 26 42.0W	8		*Closed*. To 1992 II 01.
Bochum	Nordrhein-Westfalen, Germany	BOC	51 29 22N	7 12 50E	64		From 1907 to 1909 from 1934 to 1943 from 1955 XII.
Bochum−Univ.	Nordrhein-Westfalen, Germany	BUG	51 26 26.2N	7 16 09.4E	85		From 1971 X.
Bodaibo	Irkutskaya Obl., RF, CIS	BOD	57 51N	114 11E	250		Bodajbo.
Bodon	Buryatskaya ASSR, RF, CIS	BDN	53 54N	110 06E	1000		
Bogdanovka	Gruziya, CIS	BGD	41 16N	43 36E			*Closed*.
Boggs Mountain	California, USA	GBGM	38 48 50.4N	122 40 45.5W	1125		From 1975 VI 26.
Boggy Peak	Antigua, WIAS	BPA	17 02 45.6N	61 51 25.2W	396		From 1980 VII 09.
Bogi−Zagon	Tadzhikistan, CIS	BZN	38 30N	69 48E			
Bogoin	Central African Republic	BGCA	5 10 34N	18 25 27E	576		
Bogong Mts	Victoria, Australia	BOV	36 48 28S	147 13 39E	700		*Closed*. From 1963 to 1972 VIII 09.
Bogota	Colombia	BOCO	4 35 12.7N	74 02 35.7W	3171		Elevation corrected Feb 1998. From 1977 XII.
Bogotá	Colombia	BOG	4 37 23N	74 03 54W	2658	WWSSN	From 1941 IX.
Bohocortia	Aquitaine, France	BOH	43 06 09.6N	1 00 42.0W	1150		
Bois d'Agland	Auvergne, France	BGF	46 33 28N	2 50 47E	390		
Boise	Idaho, USA	BSE	43 39 00N	116 05 30W			From 1975 V.
Boisen	New Britain	BOI	4 11 16S	152 11 58E	18		
Bois Riant C.	Guadeloupe	BCG	16 05 06.0N	61 37 10.8W	442		Bois Riant Capesterre.
Boistfort Mt.	Washington, USA	BMW	46 28 30N	123 13 41W	870		
Bokaro	Bihar, India	BOK	23 47 41N	85 53 08E	282		Co−ordinates corrected Feb 1998.
Bokaro	Bihar, India	BOKR	23 47 41.2N	85 53 09.2E	282		
Bokosso	Cameroon	BKO	4 25 05N	9 08 28E	380		From 1985 II 13.
Bolinger Road	California, USA	BGC	37 48 58.2N	122 03 43.2W	610		*CBRM**LT16* From 1969 VIII 23.
Bologna	Italy	BOL	44 29 12.0N	11 19 44.4E	80		
Bolzano	Italy	BLZ	46 30 17.8N	11 20 48.6E	280		From 1971 V 06.
Bombay	Maharashtra, India	BOM	18 53 45N	72 48 56E	6		Colaba.
Bomdila	Arunachal Pradesh, India	BMI	27 16 03.0N	92 25 22.8E	2700		From 1983 VII.
Bonanza King	California, USA	LBKM	41 05 03.0N	122 39 54.6W	1341		
Bonds Corner	California, USA	BON	32 41 40.2N	115 16 06.6W	14		From 1973 IV 16.
Bonilla	British Columbia, Canada	BNAB	53 29 36N	130 38 14W	16		From 1987 XII 04.
Bonneval	Rhône-Alpes, France	BOF	45 21 14.4N	7 01 48.0E	1800		From 1981 VII 01.
Bonnylands	England, UK	HBL2	52 03 02.9N	3 02 18.2W	400		From 1991.
Boondooma Dam	Queensland, Australia	BDMQ	26 06 44.3S	151 26 39.8E	320		
Boorowa	New South Wales, Australia	BWA	34 25 30S	148 25 06E	656		From 1971.
Boquerón	El Salvador	BOQS	13 44 06N	89 16 48W	1830		From 1991 XII.
Boracho Peak	Texas, USA	MT1	30 55 44N	104 23 27W	1714		From 1977 VI.
Borçka	Turkey	BCA	41 26 42.1N	41 37 20.3E	500		
Bordano	Italy	BOO	46 19 12N	13 06 00E	444		*BORI* From 1977 V 09.
Bordeşti	Romania	BRD	45 31N	27 03E	356		
Borgarnes	Iceland	BORG	64 44 50.8N	21 19 36.6W	110		From 1994 VII 31.
Borgo	Italy	BSL BSL	43 58 48.6N	11 26 03.1E			*BL1* Borgo San Lorenzo. Formerly BL1. From 1977 XI.
Borgo Val di Taro	Italy	BVT	44 29 11N	9 46 30E			Formerly BV1. From 1975 IX.
Borland Lodge	South Island, New Zealand	BRZ	45 46 45S	167 32 19E	190		*Closed*. From 1979 VIII 22 to 1990 VIII 02.
Bornholm Skov.	Denmark	BSD	55 06 36N	14 54 36E	88		Bornholm Skovbrynet. From 1990 III.
Borovoye	Kazakhstan, CIS	BRVK	53 03 29N	70 16 58E	315		
Borrego Mt.	California, USA	BRGC	33 10 16.2N	116 10 26.4W	219		
Borseda	Italy	BORS	44 14 42N	9 49 33E	510		*Closed*. From 1991 I.
Borzhomi	Gruziya, CIS	BOR	41 50N	43 23E			*Closed*.
Boshof	South Africa	BOSA	28 36 50.7S	25 15 19E	1202		Coordinates corrected Feb 1998. From 1993.
Boso 1	Honshū, Japan	BSO1	34 39 12N	140 58 42E	−4011		From 1988I 01.
Boso 2	Honshū, Japan	BSO2	34 45 06N	140 45 18E	−2090		From 1988I 01.
Boso 3	Honshū, Japan	BSO3	34 48 06N	140 30 36E	−1898		From 1988I 01.
Boso 4	Honshū, Japan	BSO4	34 59 24N	140 20 18E	−658		From 1988I 01.
Bosque Alegre	Córdoba, Argentina	BOS	31 35 54S	64 32 45W	1200		*Closed*.
Bouganvilia	Guatemala	BVG	14 06 28.8N	90 56 22.8W	45		*Closed*. From 1978 VI to 1987 XI 09.
Boujaaouane	Morocco	BOJ	32 01 48.0N	9 04 01.2W			
Boulder	Colorado, USA	BDC	40 00 18N	105 09 29W	1625		*Closed*.
Boulder	Wyoming, USA	BDW	42 46 34.2N	109 34 05.7W	2190		*Closed*. From 1977 VI 20 to 1986 VII 01.
Boulder	Colorado, USA	BO1	40 00 46N	105 15 06W	1669		*Closed*.
Boulder	Colorado, USA	BOU	40 00 30N	105 16 15W	1654		*Closed*. From 1953 XII to 1959 from 1965 X to 1968.
Boulder Array	Wyoming, USA	BW06 BW06	42 46 00.1N	109 33 29.8W	2224		*PD06* PD06 Pinedale. Correction to coordinates May 1995. From 1986 VII 18.
Boulder City	Nevada, USA	BCN	35 58 51N	114 50 02W	776		*Closed*. From 1938 II to 1975 VI 30.
Boulder Dam	Arizona, USA	BDA	36 00 55.5N	114 44 11.9W	237		*Closed*. Hoover Dam. From 1941 IV to 1961.
Boundary Peak	Nevada, USA	BNPN	37 59 18.6N	118 18 06.0W	2438		
Boundary Peak	Nevada, USA	BONR	37 57 18.7N	118 18 06.1W	2582		REN code BON. From 1974 VII.
Bountiful Peak	Utah, USA	BPU	40 57 15N	111 49 03W	2652		*Closed*. From 1974 X to 1975 III.
Bourrignon	Switzerland	BOURR	47 23 37.0N	7 13 49.1E	860		From 1998 XII.
Bowen Island	British Columbia, Canada	BIB	49 24 21.6N	123 18 21.6W	37		From 1983 I 20.
Bowland	England, UK	LBO	53 58 44N	2 34 22W	320		From 1989.
Bowling Green	Kentucky, USA	BGKY	37 00 19.8N	86 31 23.4W	240		
Bowling Green	Ohio, USA	BGO	41 22 41N	83 39 33W	212		From 1963 IX.
Bowman	South Carolina, USA	BOW	33 22 25N	80 38 35W			From 1977 X 23.
Bowman Hall	Kentucky, USA	BHKY	38 02 06N	84 30 18W	306		
Boyabat	Turkey	BOYT	41 25 14N	34 54 13E	660		From 1994 V.
Boyabat	Turkey	BYBT	41 28 06.6N	34 46 00.0E	85		From 1996 X 10.
Bozeman	Montana, USA	BZE	45 48 21.6N	110 55 57.6W	244		*Closed*. From 1974 to 1977 V.
Bozeman	Montana, USA	BZM	45 40 01N	111 02 43W	1490		*Closed*. From 1931 V to 1968 III.
Bozeman (W)	Montana, USA	BOZ	45 36N	111 38W	1575	WWSSN	*Closed*. From 1963 III to 1968 III.
Bozkurt	Turkey	BZK	41 57 48N	34 00 27E	70		From 1992 VII.
Brabster	Scotland, UK	OBR	58 36 51.1N	3 09 44.3W	89		From 1995 IX 21.
Bradley Lake	Alaska and Aleutians, USA	BRLK	59 45 51.0N	150 53 07.8W	631		From 1980 XI 28.
Bradley Lake NE	Alaska and Aleutians, USA	BRNE	59 54 39.0N	150 39 07.8W	1219		*Closed*. From 1980 X 12 to 1984 VI 29.
Bradley Lake NW	Alaska and Aleutians, USA	BRNW	59 50 15N	151 10 09W	582		*Closed*. From 1980 X 03 to 1984 VI 29.
Bradley Lake SE	Alaska and Aleutians, USA	BRSE	59 42 19.8N	150 40 15.0W	975		From 1980 X 10 to 1984 VI 29 from 1986 III.
Bradley Lake SW	Alaska and Aleutians, USA	BRSW	59 38 27.6N	151 02 41.4W	951		*Closed*. From 1980 X 12 to 1984 VI 29.
Bragança	Portugal	PBRG	41 48 17.3N	6 44 28.7W	691		From 1995 VI.
Braida Crags	South Island, New Zealand	BCZ	46 00 24S	167 50 23E	120		From 1990 V 27.
Branch Mountain	California, USA	BCH	35 11 06N	120 05 03W	1140		From 1976 VIII.
Brandywine	Delaware, USA	BWD	39 47 58N	75 34 36W	62		Brandywine Creek State Park. From 1985 II.
Branner		PAC	*See* Palo Alto				
Brasilia	Distrito Federal, Brazil	BDFB	15 38 28.3S	48 00 50.9W	1095		From 1993 VI.
Brasilia Array	Distrito Federal, Brazil	BAE BAE	15 50 28S	47 49 12W	1200		South American Array. From 1968 I 03 to 1970 XII 21.
Brasilia Array	Distrito Federal, Brazil	BAE1	15 38 33.2S	47 58 07.9W	1170		
Brasilia Array	Distrito Federal, Brazil	BAE2	15 39 00.3S	47 56 49.0W	1110		
Brasilia Array	Distrito Federal, Brazil	BAE3	15 39 25.0S	47 55 34.0W	1150		
Brasilia Array	Distrito Federal, Brazil	BAE4	15 39 51.1S	47 54 11.2W	1258		
Brasilia Array	Distrito Federal, Brazil	BAE5	15 40 20.9S	47 52 51.2W	1260		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Brasilia Array	Distrito Federal, Brazil	BAEE	15 44 19S	47 37 12W	1200		From 1971 I.
Brasilia Array	Distrito Federal, Brazil	BAO	15 38 05.6S	47 59 29.4W	1211		Formerly BRL.
Brasilia Array	Distrito Federal, Brazil	BAS1	15 39 22.1S	47 59 58.9W	1145		
Brasilia Array	Distrito Federal, Brazil	BAS2	15 40 40.5S	48 00 25.1W	1060		
Brasilia Array	Distrito Federal, Brazil	BAS3	15 41 55.1S	48 00 52.7W	1120		
Brasilia Array	Distrito Federal, Brazil	BAS4	15 43 08.9S	48 01 20.2W	1140		
Brasilia Array	Distrito Federal, Brazil	BAS5	15 44 31.2S	48 01 49.5W	1150		
Brasilia Array	Distrito Federal, Brazil	BASE	15 57 26S	48 04 14W	1200		From 1971 I.
Brasilia Array	Distrito Federal, Brazil	BAW1	15 37 41.7S	48 00 46.5W	1150		
Brasilia Array	Distrito Federal, Brazil	BAW2	15 37 16.7S	48 02 07.9W	1260		
Brasilia Array	Distrito Federal, Brazil	BAW3	15 36 45.4S	48 03 27.0W	1265		
Brasilia Array	Distrito Federal, Brazil	BAW4	15 36 19S	48 04 46W	1200		From 1971 I.
Brasilia Array	Distrito Federal, Brazil	BAWE	15 35 28S	48 04 50W	1200		From 1971 I.
Brasilia Array	Distrito Federal, Brazil	BCS*	15 45 57.5S	48 02 19.5W	1255		*Closed*. South American Array. From 1966 XI 17
		BCS*					to 1970 XII 21.
Brasilia (W)	Distrito Federal, Brazil	BDF	15 39 49.8S	47 54 12.0W	1260	WWSSN	South American Array. From 1970 XII 22.
Brasopolis	Minas Gerais, Brazil	BRAS	22 32 07.2S	45 35 07.6W	1850		From 1986 III 12.
Brasstown Bald	Georgia, USA	BBG	34 52 26.4N	83 48 39.6W	1355		From 1982 I 27.
Bratislava	Slovak Republic	BRA	48 10 06N	17 06 18E	270		*Closed*.
Bratislava	Slovak Republic	ZST	48 11 46N	17 06 09E	250		From 1976 VII.
Bratogost	Montenegro	BRY	42 54 02.6N	18 32 38.2E	1367		From 1983 XII 25.
Brébeuf		MNT	*See* Montreal				
Breckenridge Mt.	California, USA	WBMM	35 27 03.6N	118 35 00.0W	2292		MNLO code WBM.
Bredaryd	Sweden	BYD	57 03 32.4N	13 09 46.8E	152		*Closed*. From 1980 I to 1991.
Bremner River	Alaska and Aleutians, USA	BMRM	60 57 30.0N	144 34 58.8W	1265		From 1979 IX 12.
Brentwood	England, UK	TBW	51 39 17.6N	0 17 28.0E	82		From 1989.
Breslau		BRE	*See* Wroclaw				
Brest	Bretagne, France	BST	48 18 11.4N	4 03 41.5W	280		From 1983 III.
Brewton	Alabama, USA	BO−	31 10 11N	86 51 35W	76		*Closed*. From 1965 XII 02 to 1965 XII 13.
Bricherasio	Italy	BHB	44 50 30N	7 15 48E	530		From 1990 V 17.
Bridgeport	Connecticut, USA	BPT	41 13 19.5N	73 14 32.0W	83		*Closed*. From 1972 I 07 to 1977 VI 10.
Brig	Switzerland	BRI	46 18 55N	7 59 44E	708		*Closed*. To 1952.
Brigand Hill	Trinidad and Tobago	TBH	10 29 02.4N	61 04 01.2W	199		From 1978 IV 11.
Brimstone Hill	St Kitts, WIAS	BSK	17 20 49.2N	62 50 24.0W	125		From 1980 VII 09.
Brione	Italy	BIE	45 52 58N	10 52 26E	360		From 1981 VI 15.
Briones	California, USA	BRIB	37 55 07N	122 09 06.1W	145		
Brisbane	Queensland, Australia	BRS	27 23 30S	152 46 30E	525		From 1963.
Brisbane	Australia	BRSB	27 28 41S	153 01 52E	15		*Closed*. From 1937 IX 01 to 1963.
Brite Ranch	Texas, USA	MT4	30 16 23N	104 34 12W	1469		From 1977 VI.
Broad Law	Scotland, UK	EBL	55 46 24N	3 02 37W	365		From 1969.
Broad Pass	Alaska and Aleutians, USA	BDP	63 13 52.2N	149 15 33.6W	709		*Closed*. From 1971 VIII to 1976 IX.
Broken Hill	Zambia	BHA	14 26 48S	28 28 06E	1206		Kabwe.
Bromley	Utah, USA	BRUT	40 37 22.8N	111 52 43.2W	1337		From 1990 VIII 22.
Bronaber	Wales, UK	WBR	52 51 21.6N	3 53 38.8W	340		From 1985.
Brookfield	Connecticut, USA	BCT	41 29 36N	73 23 02W	69		*Closed*. From 1975 VI 10 to 1999 I.
Brooks Peninsula	British Columbia, Canada	BPBC	50 09 25.9N	127 46 14.9W	732		From 1991 X.
Brookwood Res.	California, USA	BKC	37 55 27N	122 06 24W	221		*CBWM* Brookwood Reservoir. From 1971 IV 28.
Brophy Road	California, USA	ABRM	39 08 06.7N	121 29 12.5W	24		From 1977 II 14.
Browne	Alaska and Aleutians, USA	BWN	64 10 18.0N	149 27 55.2W	365		From 1989 IX 19.
Brownlee Dam	Idaho, USA	BDID	44 47 54.0N	116 53 06.0W	1400		From 1990 VII.
Brown Mountain	Tennessee, USA	BRTN	36 21 24.0N	82 52 04.2W	630		From 1986 VI 05.
Browns Brook		D5A	*See* Dickey				
Bruslee	Queensland, Australia	BSLQ	20 52 01.2S	146 33 50.4E	185		From 1984 III 02.
Bryson	California, USA	PBYM	35 48 54.0N	121 04 53.4W	335		
Bsor	Israel	BSO	31 16 01.2N	34 29 06.0E	140		*Closed*. From 1983 to 1991.
Bua	Fiji	MBU	16 58 22.0S	178 43 18.1E	549		From 1981 XI.
Buaraba 3	Queensland, Australia	WBAQ	27 21 09.7S	152 18 29.5E			From 1984 VII 06.
Bucak	Turkey	BCK	37 27 38.9N	30 35 20.3E	860		From 1973 V 18.
Bucaramanga	Colombia	BCR	7 01 10N	73 10 35W	750		*Closed*. Moved to BMG. From 1972 X to 1980.
Bucaramanga	Colombia	BMG	7 04 18.2N	73 04 31.2W	1000		Moved from BCR.
Buchan	Victoria, Australia	BUV	37 29 54S	148 10 05E	100		*Closed*. From 1964 to 1966.
Buchanan	New York, USA	BIPS	41 16 04.2N	73 56 50.4W	24		
Bucharest	Romania	BUC	44 24 49N	26 05 48E	82		Bucureşti.
Bucharest	Romania	BUC1	44 20 48N	26 01 48E	75		*BUC2* Bucureşti−Măgurele. From 1977 IV.
Buchberg	Switzerland	BUB	47 44 56.4N	8 36 10.8E	740		*Closed*. From 1971 XII to 1981.
Buckhannon	West Virginia, USA	BZ−	38 47 54N	80 20 58W	457		*Closed*.
Buckingham	Quebec, Canada	BU−	45 46 03N	75 32 25W	183		*Closed*. From 1962 VII 24 to 1962 X 05.
Buckleboo	South Australia, Australia	BBOO	32 48 39.6S	136 03 23.4E	285		
Bucklebury West	England, UK	BUW	51 24 34N	1 13 28W	125		
Bucksport	Maine, USA	BPM	44 37 54.1N	68 47 21.5W	80		*Closed*. To 1999 I.
Budapest	Hungary	BUD	47 29 01N	19 01 26E	196		
Budoia	D'Entrecasteaux Islands	BDO	9 40 44.0S	150 50 55.1E	1		*Closed*. From 1969 VII 23 to 1969 VII 28.
Budva	Montenegro	BDV	42 17 00.4N	18 49 40.4E	385		From 1983 XII 25.
Buenavista	Veracruz, México	BUE	19 26 16.8N	96 33 32.4W	200		
Buena Vista	Costa Rica	BUS	9 33 19.2N	83 45 30.0W	3487		Correction to coordinates 1991.
Buena Vista	Guatemala	BVA	14 40 00.0N	90 38 14.4W	2262		From 1973 III.
Buenos Aires	Buenos Aires, Argentina	BAA	34 35 30S	58 29 00W	25		
BUF		CANY	*See* Canisius				
Buffalo	New York, USA	BUF	42 55 31.8N	78 51 10.2W	195		Canisius 197812−19820318 (PAL as CANY)
		BUF					19791219−198003 (USTN as CANY). From 1912.
Buffalo Canyon	Nevada, USA	BFC	38 53 38.4N	119 36 27.7W	1734		From 1978.
Buffalo−Larkin	New York, USA	BFF	42 50 51N	78 38 39W	230		*Closed*. From 1951 III.
Buffelsfontein	Transvaal, South Africa	BFS	26 53 54S	26 47 06E	1310		From 1983.
Buffer Zone	California, USA	CBZL	37 41 30.0N	121 42 56.4W	175		From 1989 II 07.
Buga	Colombia	BUGC	3 53 35.8N	76 15 24.7W	1200		
Bühlerhöhe	Baden-Württemberg, Germany	BUH	48 40 31.7N	8 13 42.3E	750		Buehlerhoehe. From 1967 II 01.
Buia	Italy	BUA	46 13 06N	13 07 24E	320		*BUII* From 1977 V 06.
Bulawayo	Zimbabwe	BUL	20 08 36S	28 36 48E	1341	WWSSN	From 1958 I 31.
Bull Mountain	British Columbia, Canada	BMBC	56 02 42.0N	122 07 51.6W	1100		
Bulolo	Papua New Guinea	BLLO	7 12 07.2S	146 37 12.0E	700		From 1988 VI 10.
Bulusan	Luzon, Philippines	VBN	12 43 55.2N	124 01 30.0E			
Bunker Hill	Tennessee, USA	BKHT	35 31 55.2N	83 56 09.6W	843		From 1983 XI 10.
Bunnythorpe	North Island, New Zealand	BUN	40 17 00S	175 38 06E	60		*Closed*. From 1932 X to 1968 X.
Buntu Taipa	Sulawesi, Indonesia	BUNI	3 39 28S	120 19 23E	240		
Bünyan	Turkey	BNN	38 50 46N	35 52 00E	1350		
Burakin	Western Australia, Australia	WA4	30 36 07S	117 13 30E	320		From 1986 IV 22.
Burgeitz	Rheinland-Pfalz, Germany	BGG	50 12 21.5N	7 20 13.8E	120		From 1977 V 02.
Burke	Idaho, USA	BUI	47 27 54N	115 46 54W	590		
Burlington	Ontario, Canada	BUO	43 21 42.1N	79 44 42.0W	88		*Closed*. From 1979 XII 12 to 1980 V 01.
Burlington	Vermont, USA	BUR	44 28 48N	73 11 48W	100		*Closed*. Vermont. From 1932 XII to 1956.
Burma	Jordan	BURJ	32 14 30.6N	35 48 15.0E	1045		Moved 1988:07:30 from 32:12:49N 35:45:46E
		BURJ					520m. From 1983 IX.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Burn	England, UK	BUWY	53 44 34.4N	1 03 59.4W	5		
Burnie High Sch.	Tasmania, Australia	BNE	41 03 45S	145 51 55E	70		Burnie High School.
Burnt Mt. Array	Alaska and Aleutians, USA	BM3	67 25 09.1N	144 36 25.6W	802		Burnt Mountain Array. From 1993 VII.
Burwash Landing	Yukon Territory, Canada	BH−	61 22 14N	139 08 29W	861		*Closed*. From 1965 X 16 to 1965 XI 15.
Bush Stream	South Island, New Zealand	BSP	43 52 14S	170 06 15E	750		*Closed*. From 1975 VI 01 to 1983 XI 21.
Bushy Park	North Island, New Zealand	BSZ	39 47 55.4S	174 55 52.4E	150		From 1990 VI.
Butare	Rwanda	BTR	2 37S	29 44E	1648		*AST**Closed*. Astrida Formerly AST.
Butembo	Zaïre	BTC	0 08N	29 16E	1720		From 1969 I.
Butler Butte	Oregon, USA	BBOR	42 53 12.6N	122 40 46.7W	1671		From 1992 VI.
Butler Peak	California, USA	BTL	34 15 25.9N	117 00 11.9W	2526		
Butner	North Carolina, USA	BUNC	36 10 35N	78 45 47W	122		
Buton	Sulawesi, Indonesia	BTNI	5 00S	122 55E			Location uncertain.
Butte	Montana, USA	BUT	46 00 48N	112 33 48W	1758		
Butte a Klehm	Vanuatu (New Hebrides)	BKM	17 40 06S	168 14 36E	270		
Buttle Lake	British Columbia, Canada	BTB	49 28 05.9N	125 31 17.0W	1640		From 1984 IX.
Butuan	Mindanao, Philippines	BTN	8 56N	125 32E	2		*Closed*. From 1914 to 1943.
Buziaş	Romania	BZS	45 37N	21 37E	150		
Buzzard Lagoon	California, USA	JBZM	37 01 04.1N	121 47 08.9W	213		Buzzard Lagoon Road. From 1975 X 07.
Byerly	California, USA	BKS	37 52 36N	122 14 06W	276	WWSSN	Berkeley Strawberry. From 1962.
Byrd (S.R.I.)	Marie Byrd Land, Antarctica	BY1	80 00 19.7S	119 02 36.6W	1449		*BSA**Closed*. Stanford Research Institute.
Byrd (S.R.I.)	Marie Byrd Land, Antarctica	BY2	80 04 38.4S	119 40 57.4W	1449		Stanford Research Institute.
Byrd (S.R.I.)	Marie Byrd Land, Antarctica	BY3	79 56 44.2S	119 43 05.9W	1452		Stanford Research Institute.
Byrd (S.R.I.)	Marie Byrd Land, Antarctica	BYA	80 00 34.6S	119 28 53.4W	1453		Stanford Research Institute.
Byrd Station	Marie Byrd Land, Antarctica	BYR BYR	80 01S	119 31W	1515		*Closed*. Byrd, moved 5km in 1962. From 1957 to 1969 I.
Byron Springs	California, USA	CBSM	37 47 48.6N	121 38 46.2W	279		Byron Hot Springs, MNLO code CBS.
Bytom	Poland	BYT	50 21 44N	18 54 52E	283		
Cabagna−an	Negros, Philippines	VCB	10 21 43.2N	123 07 01.2E	550		
Caballo Blanco	Venezuela	CABA	7 51 21N	71 30 08W	1600		From 1984.
Cabbage Hill	Oregon, USA	CHOR	45 35 27N	118 34 45W	1076		
Caborca	Sonora, México	CBS	30 43 42N	112 09 36W	300		From 1972 VII 30.
Cabramurra	New South Wales, Australia	CAB	35 55 36S	148 25 59E	1610		*Closed*. From 1959 to 1972 VIII 09.
Cabramurra	New South Wales, Australia	CBR	35 56 36S	148 23 34E	1537		From 1972 VIII 09.
Cache Creek	British Columbia, Canada	CK−	50 49 31N	121 19 40W	518		*Closed*. From 1962 VII 22 to 1962 X 05.
Cachucha Ranch	New Mexico, USA	CCN	36 50N	106 50W			*Closed*.
Caconde	São Paulo, Brazil	CACB	21 40 48.7S	46 43 57.4W	1381		From 1993 III.
Cactus Flat W	California, USA	CFWM	36 12 29.9N	117 54 13.3W	1384		*WCFM* From 1975 IX 26.
Cactus Peak	Nevada, USA	CTS	37 39 24N	116 43 32W	1890		From 1979 IV 24.
Cactus Peak W	California, USA	CPTM	36 04 15.6N	117 50 59.3W	1494		*WCPM* From 1975 IX 26.
Cadarache	Provence-Côte d'Azur, France	CDR	43 40 30N	5 46 01E	368		From 1962 I 10.
Cady Mountains	California, USA	CAD	34 49N	116 20W			*Closed*.
Cafayete	Salta, Argentina	FSA	26 05 32.2S	66 00 46.2W	1736		Coordinates corrected Nov 1997.
Cagayan Oro	Mindanao, Philippines	CGP	8 27 18N	124 41 38E	50		*OMP* Cagayan de Oro. From 1977 X 01.
Cagliari Citta	Sardinia, Italy	CCI	39 13 15.0N	9 07 02.1E			
Cagliari Serpeddi	Sardinia, Italy	CGL CGL	39 21 44.0N	9 17 49.5E	1050		*CA2* Cagliari Monte Serpeddi. Formerly CA2. From 1978 VI.
Caguas	Puerto Rico	CAG	18 14 22N	66 02 07W	350		*Closed*. From 1974 VIII 16 to 1975 VII 17.
Cahill	Alaska and Aleutians, USA	CAHL	58 03 09.0N	155 18 05.4W			From 1996 VIII.
Cahill Ridge	California, USA	JCHM	37 31 01.2N	122 22 33.6W	323		
Cahto Peak	California, USA	KCPM KCPM	39 41 13.8N	123 34 50.4W	1271		Correction to coordinates Mar 1993. From 1979 XI 09.
Caico	Rio Grande do Norte, Brazil	CAI	6 31 33.6S	37 08 16.8W	190		From 1983 V 31.
Caigüire	Venezuela	CAIV	10 28 10.2N	64 10 23.2W	40		From 1993 IV.
Cairnmuir Mts	South Island, New Zealand	CMCZ	45 08 57S	169 16 30E	1039		*Closed*. From 1985 XII to 1996 IV.
Cairo Montenotte	Italy	CKI	44 25 29.5N	8 16 47.5E	351		From 1983 X.
Calabasas	California, USA	CALB	34 08 34.8N	118 37 37.2W			From 1994 I.
Calachota	Peru	PP02	12 37 38.4S	75 58 42.0W	1655		
Calama	Antofagasta, Chile	CAC	22 28 47S	69 01 34W	2000		Montezuma.
Calaveras Res.	California, USA	CVR	37 27 04.2N	121 47 57.0W	265		*CALM* Calaveras Reservoir. From 1967 X 19.
Calcutta	West Bengal, India	CAL	22 32 06N	88 22 00E	6		Alipore.
Căldăruşani	Romania	CDB	44 40 37N	26 16 14E	85		*Closed*. From 1979.
Caldeira	Azores	CALA	38 34 53N	28 42 07W	875		
Caldera	Atacama, Chile	CLD	27 05S	70 56W			*Closed*.
Calebasse	Martinique	PMCB	14 47 48.6N	61 08 55.2W	730		Pelée Morne Calebasse.
Caledonia Mt.	New Brunswick, Canada	LMN	45 51 07.2N	64 48 21.6W	363		From 1981 X 28.
Calern	Provence-Côte d'Azur, France	CALF	43 45 10.8N	6 55 19.2E	1240		
Calern	Provence-Côte d'Azur, France	CALN	43 45 08N	6 53 22E	1430		From 1982 VI.
Caleta Campos	Michoacan, México	CCMX	18 03 12N	102 45 00W			
Calhoun Falls	South Carolina, USA	CHF	34 01 29N	82 35 12W	152		*Closed*. From 1977 II 14 to 1989 IV.
Calice	Italy	CALI	44 14 28.8N	9 50 05.4E	410		Calice al Cornoviglio. From 1995 IV.
Calico Hills	Nevada, USA	CDH1	36 51 37N	116 19 03W	1387		From 1980 II.
Calico Hills	Nevada, USA	CDH5	36 51 37N	116 19 03W	1055		From 1980 II.
California City	California, USA	CALC	35 06 12.6N	117 56 51.6W	722		
California State−Hayward		CSH	*See* Cal. St., Hayward				
Calipatria	California, USA	CLIC	33 08 27.0N	115 31 38.4W	−59		
Calistoga	California, USA	CLS	38 38 12N	122 35 06W	457		*Closed*. To 1964 XII.
Callao Caves	Luzon, Philippines	CVP	17 42 14N	121 49 19E	210		From 1976 V to 1976 XII 31 from 1979 V 22.
Calls Hollow Rd	New York, USA	CHRY	41 12 29N	74 13 16W	183		Calls Hollow Road.
Cal. St., Hayward	California, USA	CSH	37 39 27N	122 03 12W	170		*CSHM* California State−Hayward. From 1972.
Călugăreni	Romania	CGN	44 10N	26 00E	78		
Calvario	Ecuador	CALV	1 28 17.4S	77 57 09W	1000		From 1994 I 21.
Calvi	Corse, France	CVF CVF	42 34 03N	8 52 10E	530		*Closed*. Replaced by PGF (Pioggiola). From 1975 X to 1989 XI 13.
Calviac	Midi-Pyrénées, France	CAF	44 55 33N	2 03 52E	630		From 1977 IX 01.
Calvinia	Cape Province, South Africa	CVN	31 27 00S	19 45 42E	1050		
Calx Mountain	Montana, USA	CLX	48 12 30.2N	115 07 59.5W	1975		
Camacho	Peru	PT10	12 04 30.0S	76 58 08.4W	274		From 1984 III 12.
Cambridge	Massachusetts, USA	CAM	42 23N	71 07W	5		*Closed*. From 1908 to 1930.
Cambridge (NY)	New York, USA	CAMB	43 02 55.8N	73 17 48.0W	287		
Camerino	Italy	CIO	43 11 42.0N	13 08 38.4E	956		Monte d'Aria, Marche.
Camerino	Italy	CMR	43 08N	13 04E			*Closed*. To 1981 VIII.
Campbell Island	Campbell Island, New Zealand	CBZ	52 33 03S	169 09 33E	30		*Closed*. From 1966 XII to 1990 II 25.
Campbellpur	Pakistan	CBP	33 43 57.0N	72 13 48.6E			
Campbell River	British Columbia, Canada	CBB	50 01 58.1N	125 21 55.0W	317		From 1981 I 28.
Camp Ben Lomond		JBLM	*See* Ben Lomond				
Camp Century	Greenland	CCG	77 10N	61 08W	1920	WWSSN	*Closed*. From 1962 XI 30 to 1963 II 25.
Camp Classen	Oklahoma, USA	CCOK	34 27 27.9N	97 09 20.0W	293		From 1994 VIII 10.
Camp Elliot	California, USA	CPE	32 52 48N	117 06 00W	213		From 1972 XI.
Camp Garcia	Puerto Rico	CGV	18 07 55.2N	65 19 01.2W	130		From 1978 III.
Camp Long Array	South Korea	KSAR	37 26 31.6N	127 53 03.8E	109		Camp Long Array Beam Reference Point.
Campo	California, USA	CP− CP−	32 43 44N	116 22 16W	1189		*Closed*. From 1961 X to 1964 III from 1965 X to 1965 XI from 1966 II to 1966 III.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Campo Grande	Texas, USA	CGTX	31 19 36N	105 42 36W	1305		Campo Grande Mountain.
Campo Marzio		TRS	*See* Trieste (CM)				
Camp Pendleton	California, USA	CPT	33 18 09.0N	117 20 22.2W	61		From 1975 I.
Camp Tracy	Utah, USA	CTU	40 41 33.0N	111 45 01.2W	1731		
Campulung	Romania	CMP	45 16 06N	25 02 18E	598		From 1943 III 01.
Camp Williams	Utah, USA	CWU	40 26 45.2N	112 06 07.8W	1945		From 1974 X.
Canada Road	California, USA	CDC	37 01 31.2N	121 29 01.2W	332		*AN7***HCAM* Anzar Res 7. From 1967 X 13.
Canalobre	Spain	ACU	38 30 41N	0 24 38W	580		Correction to position Aug 1991. From 1985 III.
Canberra	ACT, Australia	CAN	35 19 15S	148 59 55E	700		
Canberra	ACT, Australia	CNB	35 18 54S	149 21 48E	850		Canberra Magnetic Observatory.
Candela	Italy	FG4	41 08 05N	15 31 14E	450		
Candle	Alaska and Aleutians, USA	CDL	66 06 50.4N	161 39 24.0W	65		
Canebreak	California, USA	CBKC	32 53 58.2N	116 15 06.0W	414		
Caneva	Italy	CAE	46 00 24N	12 26 12E	870		From 1983 IV 23.
Canfield Rd	California, USA	NCFM	38 19 16.7N	122 47 43.8W	98		Canfield Road. From 1970 VIII 14.
Canisius		BUF	*See* Buffalo				
Canisius	New York, USA	CANY	42 55 31.8N	78 51 10.2W	192		*Closed*. BUF. From 1978 XII to 1982 III 18.
Canlaon	Negros, Philippines	VCN	10 23 49.2N	123 12 25.2E	590		
Cannet Maures	Provence-Côte d'Azur, France	CMF	43 21 26.4N	6 23 22.2E	152		*Closed*. Cannet des Maures.
Cannon Point	North Island, New Zealand	CAW	41 06 32S	175 04 04E	330		
Canóvanas	Virgin Islands	CBYP	18 16 12N	65 51 36W	550		
Cantwell	Alaska and Aleutians, USA	CNA	63 23 47N	148 56 42W	700		*Closed*. From 1971 VIII to 1976 IX.
Canyon Junction	Wyoming, USA	CJW	44 44 06N	110 29 24W	2426		*Closed*. From 1974 X.
Cape Campbell	South Island, New Zealand	CCW	41 45 03S	174 13 01E	216		From 1981 II 19.
Cape Darby	Alaska and Aleutians, USA	CDY	64 20 51.0N	162 47 01.8W	561		
Cape Douglas	Alaska and Aleutians, USA	CDA	58 57 19N	153 31 46W	386		*Closed*. From 1974 to 1981 VIII 16.
Cape Douglas	Alaska and Aleutians, USA	CDD	58 55 47.4N	153 38 35.4W	622		From 1981 VIII 22.
Cape Frico	Costa Rica	AR7	9 51 01N	85 06 59W	582		*Closed*. From 1976 V 15.
Cape Girardeau	Missouri, USA	CGM	37 19N	89 32W	134		From 1938.
Cape Gloucester		LAG	*See* Langila				
Cape Good Hope	Cape Province, South Africa	CGH	33 56S	18 29E	13		*Closed*.
Cape Hallett	Victoria Land, Antarctica	HLL HLL	72 18 50S	170 13 00E	2	WWSSN	*Closed*. Coordinates corrected Mar 1963. From 1957 IV to 1964 X.
Cape Reinga	North Island, New Zealand	CRZ	34 25 55S	172 40 47E	140		*Closed*. From 1967 X.
Cape Romanzof	Alaska and Aleutians, USA	CPR	61 47 24N	165 57 18W			*Closed*.
Cape St James	British Columbia, Canada	SJB	51 56 12N	131 00 54W	100		From 1982 IX 17.
Cape San Juan	Puerto Rico	CSJ	18 22 58.8N	65 37 04.8W	66		*Closed*. From 1975 IV.
Cape Sarichef	Alaska and Aleutians, USA	CSA	54 35 40N	164 52 30W	152		*Closed*. From 1970 XI 28 to 1971 V 18.
Cape Town	Cape Province, South Africa	CTO	33 57S	18 27E	100		*Closed*.
Capetown	California, USA	KCTM	40 28 33.0N	124 20 10.8W	409		MNLO code KCT.
Cape Wrath	Scotland, UK	RCR	58 37 26.4N	4 59 54.9W	100		From 1995 IX 10.
Cape Yakataga	Alaska and Aleutians, USA	CYK	60 04 58.8N	142 29 04.8W	3		From 1989.
Cape Yakataga	Alaska and Aleutians, USA	CYT	60 04 28N	142 24 41W	323		*Closed*. From 1978 VIII 08 to 1980 IX 22.
Capitol Peak	Washington, USA	CPW	46 58 25.8N	123 08 10.8W	792		From 1970 VII 29.
Capodimonte	Italy	CAP	40 52N	14 15E	129		*Closed*.
Capo Vaticano	Italy	CVI	38 35 32.4N	15 54 13.6E			From 1978 IV.
Capps Glacier	Alaska and Aleutians, USA	CGLM	61 18 27.6N	152 00 24.0W	1082		
Caprese Michel	Italy	CRE	43 37 41.1N	11 57 06.1E	1115		Caprese Michelangelo. From 1983 X.
Cap Rock	New Mexico, USA	CPRX	33 01 51N	103 52 00W	1356		
Cap Spartel	Morocco	CPS	35 47 28N	5 54 36W	326		
Captain Cook	Hawaii, Hawaiian Islands	CPH	19 29 17.4N	155 55 05.4W	323		From 1973 IX 20.
Caracas	Venezuela	CAR	10 30 25.2N	66 55 40.8W	1035	WWSSN	From 1962 V 24.
Caraveli	Peru	CRV	15 47 04S	73 28 23W	1780		*Closed*.
Caravelle	Martinique	CRM	14 45 13.2N	60 54 55.8W	180		From 1973.
Carcaliu	Romania	CFR	45 11 07N	28 09 11E	21		From 1977 III.
Carcanières	Provence-Côte d'Azur, France	CARF	42 24 57N	2 06 55.2E	1220		From 1998 VII 10.
Carei	Romania	CEI	47 41 06.0N	22 27 30.6E	125		From 1979.
Caribou	Maine, USA	CBM CBM	46 55 57N	68 07 15W	250		*Closed*. Presque Isle. From 1962 X to 1968 from 1975 V to 1994.
Carloforte	Sardinia, Italy	CRL	39 08N	8 19E	18		*Closed*.
Carlsbad	New Mexico, USA	CLN	32 24 09.6N	103 43 54.6W	1094		From 1974 IV 05.
Carlsbad	New Mexico, USA	CLNB	32 15 51.0N	103 52 43.2W	1045		Correction to position from Aug 1993.
Carlsbad 2	New Mexico, USA	CLN2	32 21 18.6N	103 46 25.8W	1100		*Closed*. Moved to CLNB.
Carlsbad 4	New Mexico, USA	CLN4	32 21 12N	104 01 45W	975		
Carlsbad 6	New Mexico, USA	CLN6	32 31 15N	103 52 45W	1100		
Carlsbad 7	New Mexico, USA	CLN7	32 24 47.4N	103 48 27.0W	1033		
Carlsbad E Tower	New Mexico, USA	CBET	32 25 13.8N	103 59 24.0W	1042		
Carmen	Ecuador	CARM	0 14 27.6S	79 29 47.4W	2330		
Carmichael	Guadeloupe	CRG	16 03 15N	61 39 33W	1370		
Carmo do Cajuru	Minas Gerais, Brazil	CDCB	20 14 11.4S	44 43 05.5W	880		From 1993 I.
Carnasaw Mt.	Oklahoma, USA	CRO CRO	34 08 59.7N	94 33 20.2W	302		*Closed*. Carnasaw Mountain Water Tower (TUL).. From 1977 V 17 to 1980 VII 23.
Carnegie Inst.	District of Columbia, USA	DTM DTM	38 57 24N	77 03 52W	67		*Closed*. Carnegie Institution of Washington, Department of Terrestrial Magnetism.
Carnsore Point	Ireland	ECP	52 10 48N	6 22 08W	5		From 1980 VI.
Carrickbyrne	Ireland	ECB	52 21 58N	6 46 52W	125		From 1981 II.
Carrizo Plain	California, USA	CRR	32 53 10.8N	115 58 06.0W	98		From 1973 IV 06.
Cars	Ecuador	CARS	2 26 08.4S	78 56 53.4W	3940		
Carson Hill	California, USA	CRH	38 01 07.2N	120 30 34.2W	475		*MCHM* From 1972 IV 19.
Carter Brook		D3A	*See* Dickey				
Carters Dam	Georgia, USA	CDG	34 36 39.0N	84 40 16.8W			From 1975 I 01.
Carthage	New Mexico, USA	CRNM	33 57 09.0N	106 44 04.2W	1662		
Cartuja	Spain	CRT	37 11 24N	3 35 42W	774		Granada.
Carúpano	Venezuela	CRUV	10 40 29.3N	63 14 10.7W	20		From 1993 IV.
Caryville	Tennessee, USA	CA−	36 08 40N	84 11 23W	305		*Closed*.
Casa Diablo	California, USA	DBOG	37 39 10.2N	118 55 04.2W	2243		From 1984 VII.
Casa Diablo Mt.	California, USA	CASR	37 34 29.4N	118 33 05.4W	2170		From 1980 VI 01.
Casa Diablo Spr.	California, USA	MCSM	37 39 18.0N	118 54 16.2W	2420		Casa Diablo Hot Springs. From 1982 VIII 05.
Casa Juvan	California, USA	CJV	34 31 49.8N	118 08 40.2W	1341		
Casamari	Italy	CAS	41 38N	13 22E			*Closed*.
Casamicciola	Italy	CSM	40 45N	13 54E	123		*Closed*. Isola d'Ischia.
Casera Razzo	Italy	CSZ	46 28 23N	12 37 02E	1825		From 1988 I 01.
Casey	Enderby Land, Antarctica	CASY	66 16 45.1S	110 32 11.0E	154		
Casey Station	Wilkes Land, Antarctica	CSY	66 17 21.8S	110 31 44.0E	56		
Cashmere	South Island, New Zealand	CMZ	43 35 10S	172 38 23E	255		*Closed*. From 1978 IX 07 to 1990 IV.
Casitas Dam	California, USA	BCD	34 22 07.2N	119 20 37.8W	213		From 1971 XI.
Casitas Lake	California, USA	BCL	34 24 45.0N	119 21 40.2W	177		*Closed*. From 1969 XI 24 to 1971 X 05.
Casr Tuba	Jordan	CSTJ	31 07 12.0N	36 40 19.2E	760		*QTBJ* From 1990 III 24.
Cassano Ionio	Italy	CSI	39 46 35.5N	16 17 22.0E	507		From 1979 V.
Casso	Italy	CSO	46 16 24N	12 19 26E	1070		From 1988 I 01.
Cassop	England, UK	LCP	54 44 12.5N	1 28 26.8W	185		From 1991.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Castelo Branco	Portugal	PCBR	39 50 25.1N	7 28 39.0W	180		From 1994 V 10.
Castel Tesino	Italy	CTI	46 02 52N	11 39 01E	1175		
Castelvetrano	Sicily, Italy	CVT	37 40 41N	12 47 31E	0		From 1986.
Castle Douglas	Scotland, UK	GCD	54 51 49.7N	3 56 30.1W	189		From 1989.
Castle Hill	New South Wales, Australia	CAH	34 38 36S	149 14 30E	700		From 1970.
Castle Mt.	California, USA	CTM	35 55 54.0N	120 20 13.2W	1189		*PCAM* From 1970 XII 15.
Castlepoint	North Island, New Zealand	CAZ	40 54 15S	176 13 34E	6		*Closed*. From 1968 II 20 to 1988 XI.
Castle Rock	California, USA	CRC	37 14 30N	122 07 49W	607		*Closed*. From 1966 III 01 to 1977 VI 01.
Castle Rock	New York, USA	CTR	43 52 27N	74 27 36W	585		From 1971 IX.
Castle Rock Spr.	California, USA	GCRM	38 46 23.4N	122 42 55.2W	719		Castle Rock Springs. Correction to coordinates
		GCRM					Feb 1993. From 1979 V 08.
Castrovirreyna	Peru	CST	13 17 30S	75 19 24W	3947		
Çatak	Turkey	CTK	40 41 24N	34 49 34E	1250		From 1991.
Catalca	Turkey	CTT	41 08 50.2N	28 25 47.1E	324		From 1978 VIII.
Catalina Island	California, USA	CIS	33 24 24N	118 24 12W	485		From 1971 VII 01.
Catania	Sicily, Italy	CAT	37 30 51N	15 05 50E	20		
Catapilco	Aconcagua, Chile	CTP	32 34 18S	71 18 42W	116		From 1970 VIII.
Catarman	Samar, Philippines	CNP	12 30 37.8N	124 39 47.4E			From 1980 IX 04.
Catfish Pond	New Jersey, USA	CNJ	41 02 09N	75 00 15W	351		*Closed*. From 1973 II to 1974 VII.
Cathedral Cave	Missouri, USA	CCM	38 03 20.4N	91 14 40.5W	223		
Cauldkaine Hill	Scotland, UK	ECK	55 10 52N	3 07 38W	336		Correction to elevation Nov 1991. From 1981 IX.
Cavalese	Italy	CAV	46 17 35N	11 27 43E	1050		From 1981 VI 15.
Cave	Kerguelen Islands	KCA	49 20 52.8S	70 13 04.8E			From 1974 II.
Cavedale Road	California, USA	CRD	38 22 11.4N	122 27 42.0W	620		*NCDM* From 1971 III 08.
Cave In Rock	Illinois, USA	CIRL	37 30 43N	88 06 29W	119		*Closed*. To 1993 VI.
Cawcaw Swamp	South Carolina, USA	CCS	32 48 58N	80 15 19W	9		From 1976 III 31.
Cayambe	Ecuador	CAYA	0 04 13.8N	77 59 31.8W	4066		From 1988 X 14.
Cayenne	French Guiana	CAY	4 57N	52 19W	25		From 1985 VII 22.
Cayey		SJG	*See* San Juan (W)				
Cazenovia	New York, USA	CAZE	42 55 52.8N	75 55 12.0W	301		
CB5		SVC	*See* Silver Creek				
Cccc	Cuba	CCCC	21 12 00.0N	77 45 57.6W			
Ceahlău	Romania	CEA	46 58 33N	25 57 04E	1699		*Closed*. From 1982 IX 01 to 1989 I 01.
Cebu City	Cebu, Philippines	CCP	10 20 40N	123 54 40E	36		*Closed*. Lahug. To 1981 I 22.
Cedar Bluff	Kansas, USA	CBKS	38 48 50.4N	99 44 14.6W	667		From 1994 IX.
Cedar Butte	Idaho, USA	CBTI	43 23 15.0N	112 54 41.4W	1754		From 1986 VII 11.
Cedar Butte	Idaho, USA	CIB	43 24 04N	112 56 30W	1611		*Closed*. From 1979 XI 18 to 1986 VII 11.
Cedar City	Utah, USA	CCU	37 40 31.2N	113 04 06.6W	1775		From 1968 XII.
Cedar Cove	Utah, USA	CVE	38 27 51N	112 51 06W	1890		
Cedar Creek	Oklahoma, USA	CDO	34 11 25.4N	94 46 21.2W	230		*Closed*. From 1980 VIII 01 to 1981 III 25.
Cedar Flats	Washington, USA	CDFW	46 06 58.2N	122 02 51.0W	780		
Cedar Mountain	Utah, USA	CMU	39 10 16.8N	110 37 09.6W	2332		*Closed*. From 1978 VI to 1990 VIII 14.
Cedar Springs	California, USA	CED	34 16 38N	117 20 03W	1067		*Closed*. From 1965 III to 1967 VII.
Cedar Springs	California, USA	CSP	34 17 52.9N	117 21 26.8W	1268		From 1969 VII.
Cedros	Azores	CEDR	38 38 02.9N	28 41 55.0W	100		From 1993 IV 07.
Celeste	Italy	CEL	38 15 33N	15 53 38.0E	690		
Çemisgezek	Turkey	CEM	39 03 28.5N	38 55 24.1E	1076		From 1973 IX 10.
Centennial Mt.	Idaho, USA	CMI	44 31 31.2N	111 37 18.6W	2377		
Centerville	Tennessee, USA	CV−	35 46 12N	87 23 04W	183		*Closed*. From 1961 XI 25 to 1961 XII 20 from 1962
		CV−					VII 15 to 1962 X 05.
Centro In. Geotec	El Salvador	CIGS	13 41 53N	89 10 24W	616		Centro de Investigaciones Geotecnicas. From
		CIGS					1991 XII.
Ceres	Cape Province, South Africa	CER	33 21 42S	19 17 42E	472		
Ceresole Reale	Italy	LSD	45 27 27.6N	7 09 20.4E	2284		Piemonte.
Cerknica	Slovenia	CEY	45 44 19.8N	14 25 36.0E	579		From 1975 VIII 15.
Cernauti, Czernowitz, Tschernowzy		CRA	*See* Chernovtsy				
Cernavoda	Romania	CVD	44 20N	28 02E	103		
Cerre−les−Noroy	Franche Comté, France	CNF	47 34 58.2N	6 19 03.6E	305		*Closed*.
Cerrillo	México D.F., México	CRX	19 24 23N	99 40 48W	2560		From 1978 XI 29.
Cerrillos	Puerto Rico	CELP	18 04 28.6N	66 34 46.2W	195		
Cerrillos	Puerto Rico	CLLP	18 04 48N	66 34 36W	195		*Closed*. From 1991 IV.
Cerro Adams	Costa Rica	ACR	8 39 11.4N	83 10 04.8W	500		Correction to coordinates 1991.
Cerro Alto	California, USA	PCGM	35 25 31.2N	120 44 20.4W	314		Cerro Alto Campground.
Cerro Antonio	Venezuela	CANV	11 02 20.4N	68 49 40.8W	450		From 1993 IV.
Cerro Blanco	San Juan, Argentina	RTCB	31 29 16.2S	68 48 37.4W	1059		*BCO* Coordinates corrected Nov 1997.
Cerro Bola	Baja California, México	CBX	32 18 49.2N	116 39 46.8W	1250		From 1982 I 05.
Cerro de Hojas	Ecuador	HOJA	1 03 01.8S	80 32 45.6W	500		Coordinates corrected Sept 1998. From 1993 I 22.
Cerro de Hule	Honduras	HLH	13 50 15N	87 20 45W			From 1990 VII.
Cerro de Muerte	Costa Rica	CDM	9 33 18.6N	83 45 56.7W	3470		Cerro de la Muerte. From 1984 III 07.
Cerro de Punta	Puerto Rico	CDP	18 10 30.4N	66 35 28.6W	1300		From 1975 VII 30.
Cerro Diablo	Venezuela	CEDI	7 39 14.4N	71 53 06.0W	900		From 1984.
Cerro Durazno	New Mexico, USA	CDN	35 27 16.5N	107 20 54.5W	2591		Cerro del Durazno. From 1976 I.
Cerro El Oso	Venezuela	CEOS	9 01 47.6N	68 20 36.2W	404		Coordinates corrected Mar 1999. From 1986 XII.
Cerro Encantado	Oaxaca, México	CEO	16 14 00N	97 01 06W	3000		
Cerro Gallo	Costa Rica	CGAC	10 01 51.6N	84 28 32.4W	1300		From 1996.
Cerro Gordo	México D.F., México	CGVM	19 45 00.0N	98 49 45.6W			
Cerro Jefe	Panama	JEF	9 13 07N	79 22 25.8W	977		
Cerro la Pandura	Puerto Rico	CPD	18 02 20.0N	65 54 55.5W	370		From 1975 VII 30.
Cerro Moro	Venezuela	ELMO	8 00 47N	71 43 01W	2100		From 1984.
Cerron	Venezuela	CERV	10 18 39.6N	70 40 26.4W			
Cerronegro	San Juan, Argentina	CEN	31 34 33S	68 45 15W	900		
Cerro Negro	Venezuela	CENE	7 45 50N	71 19 22W	400		From 1984.
Cerro Negro	Ecuador	ECEN	0 49 25.8N	77 58 16.8W	4230		From 1992 III 29.
Cerro Prieto	Baja California, México	CPBX	32 25 03.6N	115 18 14.4W	118		From 1981 X 02.
Cerro Valdivia	San Juan, Argentina	RTCV	31 51 42.0S	68 32 28.2W	734		*VAA* Coordinates corrected Nov 1997.
Cerro Villicun	San Juan, Argentina	RTLL	31 19 42.8S	68 28 32.8W	720		La Laja Coordinates corrected Nov 1997.
Cesana Torinese	Italy	RRL	44 55 12.6N	6 47 04.2E	2131		Piemonte.
Cescau	Aquitaine, France	CESL	43 24 07N	0 31 55W	220		
Cesta pri Krskem	Slovenia	CESS	45 58 24.2N	15 27 47.3E	382		From 1996 XII.
C. Gloucester Air.	New Britain	CGA	5 27 00S	148 25 12E	15		Cape Gloucester Airport.
Chacachacare	Trinidad and Tobago	TCE	10 41 49.2N	61 45 10.8W	240		
Chacarita	Buenos Aires, Argentina	CCR	34 35S	58 28W			*Closed*.
Chã da Macela	Azores	CML	37 46 14.9N	25 32 45.3W	291		From 1981 I 01.
Chã da Macela	Azores	CMLA	37 45 49.3N	25 31 27.5W	332		
Chados A.	Santiago, Chile	CHCH	33 56 00S	70 39 09W	680		Chados Angostura. From 1982.
Chagan−Uzun	Altayskiy Kray, RF, CIS	CUR	50 06N	88 21E			
Chagda	Yakutskaya ASSR, RF, CIS	CGD	58 45N	130 37E			
Chaix Hills	Alaska and Aleutians, USA	CHX	60 03 46.8N	141 07 00.0W	1067		From 1974 IX 04.
Chakachamna L.	Alaska and Aleutians, USA	CKL	61 11 47.4N	152 20 16.2W	1265		From 1989.
Chakachatna N	Alaska and Aleutians, USA	CKN	61 13 26.4N	152 10 53.4W	735		Chakachatna North. From 1991 VIII 19.
Chala	Peru	CLA	15 51 37S	74 14 36W	32		*Closed*.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Chalampé	Alsace, France	CHAF	47 48 44N	7 32 25E	−285		
Chalhuanca	Peru	PP08	14 17 18.0S	73 14 40.8W	3000		
Chalk River	Ontario, Canada	CKO	45 59 40N	77 27 00W	191		From 1981 I 12.
Chalk River	Ontario, Canada	CRLO	46 02 15.0N	77 22 48.3W	168		
Chalk Rock	California, USA	KCRM	40 25 34.8N	123 49 06.6W	896		MNLO code KCR.
Challis	Idaho, USA	CL−	44 29 28N	114 20 30W	2256		*Closed*. From 1966 V 23 to 1966 V 24.
Chama	New Mexico, USA	CNM	36 55 00N	106 34 08W			*Closed*.
Chamberlain	California, USA	CBC	36 55 52.8N	121 39 37.8W	219		*HCBM* From 1969.
Chamberlain Rge	California, USA	GCBM	39 23 01.8N	123 31 16.8W	560		Chamberlain Ridge. MNLO code GCB.
Chamblerlain Mt.	Montana, USA	CHMT	46 54 51.6N	113 15 07.2W	2077		
Chambon−Forêt	Centre, France	CLF	48 01N	2 16E			*Closed*. Chambon−la−Forêt.
Chamela	Jalisco, México	CJM	19 29 56.4N	105 02 34.8W	129		Coordinates corrected Nov 1997.
Champ du Feu	Alsace, France	CDF	48 24 44N	7 16 34E	1068		Old position 48:23:39N 7:16:15E 1100m. From 1972 XI 22.
		CDF					
Chañaral	Atacama, Chile	CAA	26 19 49S	70 36 50W	2		From 1977.
Chanarkot	Pakistan	CKP	34 01 21.6N	72 46 24.0E	1195		
Chanca	Bolivia	CNCB	16 48 45.7S	67 58 55.6W	4325		Correction to coordinates from Apr 1993. From 1982.
		CNCB					
Changalane	Mozambique	CNG	26 17 30S	32 11 18E	100		From 1961.
Changchun	Jilin (Kirin), China	CN2	43 48 05N	125 26 54E	230		From 1976 X 15.
Changchun	Jilin (Kirin), China	CNH	43 49 45N	125 18 48E	236		*Closed*. Ch'ang−ch'un. From 1976 X 15.
Ch'ang−ch'un		CNH	*See* Changchun				
Changchun	Jilin (Kirin), China	HSK	43 55N	125 18E	250		*Closed*. Sinkyo Sirkyo Hsinking.
Changuinola	Panama	CNI	9 25 00.0N	82 31 00.6W	20		From 1993 IV 18.
Chanki	Nagaland, India	CHKI	26 25 45N	94 23 54E	950		
Cha−Pa		SPV	*See* Sa−pa				
Chapel Hill	North Carolina, USA	CEH	35 53 27N	79 05 34W	152		From 1975 VIII.
Chapel Hill	North Carolina, USA	CHC	35 54 10N	79 03 02W	149		*Closed*. From 1953 to 1970 XII.
Chaplin	Connecticut, USA	CPL	41 47 20.3N	72 06 26.1W	161		*Closed*. From 1972 I 19 to 1974 VII 23.
Chapri	Pakistan	CPA	32 58 49.8N	71 25 25.2E	335		
Chara	Irkutskaya Obl., RF, CIS	CRS	56 54N	118 12E			
Charlesbourg	Quebec, Canada	CHQ	46 53 23N	71 18 00W	145		*Closed*. From 1971 XI 11 to 1982 VII 04.
Charleston	South Carolina, USA	BCS	32 58 50.4N	80 03 41.4W	12		Baptist College of Charleston. From 1976 III 31.
Charley	Nevada, USA	NYC	37 09 18.0N	116 09 19.2W	1695		*Closed*. From 1971 I to 1973 I.
Charlottesville	Virginia, USA	CLT	38 02N	78 31W	150		*Closed*. From 1973 to 1973.
Charlottesville	Virginia, USA	CTV	38 01 57.5N	78 31 22.1W	264		*Closed*. From 1973 VII 04 to 1974 I.
Charlottesville	Virginia, USA	CVL	37 58 53N	78 27 39W	167		*CVV* From 1978 VII.
Charnwood	England, UK	CWF	52 44 17.8N	1 18 26.0W	186		Charnwood Forest. Elevation changed 1982.
		CWF					From 1974 X 18.
Charters Towers	Queensland, Australia	CTA	20 05 18S	146 15 16E	357	WWSSN	From 1957 IX 15.
Charters Towers	Queensland, Australia	CTAO	20 05 18S	146 15 16E	357		From 1976 X 09.
Chase Mountain	Oregon, USA	VCMM	42 05 43.8N	121 59 19.8W	1889		MNLO code VCM.
Chase Ranch	California, USA	CSR	36 57 27.6N	121 35 00.6W	241		*AN6***HCRM* Anzar Res 6. From 1967 X 05.
Chateau	North Island, New Zealand	CNZ	39 12 00S	175 32 51E	1116		From 1961.
Chatham Islands	Chatham Islands, New Zealand	CIZ	43 57 18S	176 33 56W	45		From 1932 VIII to 1941 from 1966 XII.
		CIZ					
Chatra	Nepal	CHA	26 50N	87 10E	161		
Chats Falls	Ontario, Canada	CFO	45 28 09N	76 13 45W	70		*Closed*. From 1977 X 06 to 1979 II 16.
Chaudanne	Provence-Côte d'Azur, France	CHDN	43 50 53N	6 32 27E	740		From 1993 IX.
Chaumont	New York, USA	CHAU	44 08 15N	76 10 27W	102		
Cheb	Czech Republic	CHE	50 04 46N	12 22 34E	430		*Closed*. Eger. To 1966.
Chekok	Alaska and Aleutians, USA	CKK	59 57 34.8N	154 13 59.4W	732		From 1972 VII 29 to 1978 IX 09.
Chelan Butte	Washington, USA	CBW	47 48 25.5N	120 01 57.6W	1160		
Chelan Butte S	Washington, USA	CBSW	47 48 16.7N	120 02 27.6W	1073		Chelan Butte South. From 1987.
Cheltenham	Maryland, USA	CLH	38 44 05N	76 50 45W			*Closed*. From 1904 XI to 1928 XII.
Chemehuevi Mts	California, USA	CMH	34 33 10.8N	114 34 19.2W	940		From 1975 II.
Chengdu	Sichuan (Szechwan), China	CD2	30 54 36N	103 45 28E	628		
Chengdu	Sichuan (Szechwan), China	CDU	30 39 37N	104 00 40E	506		*CNU**Closed*. Ch'eng−tu. To 1980 X 01.
Chengkung	Taiwan, China	CHKT	23 05 57.2N	121 21 55.4E	34		
Chenhua	Taiwan, China	TWY	25 16 32.8N	121 35 58.5E	20		From 1975 I 10.
Chennai	Tamil Nadu, India	MDRS	13 04 04.8N	80 14 46.8E			
Chera	Spain	ECHE	39 35 27N	0 58 04W	643		Correction to coordinates Aug 1991. From 1986 XI.
		ECHE					
Cherat	Pakistan	CEP	33 49 24.6N	71 54 32.4E	1376		
Chernabura I.	Alaska and Aleutians, USA	CNBA	54 49 12.0N	159 35 19.2W	94		Coordinates corrected Nov 1996. From 1993 VI 01.
		CNBA					
Chernovtsy	Ukraina, CIS	CRA	48 17N	25 56E			*Closed*. Cernauti, Czernowitz, Tschernowzy.
Chernovtsy (B)	Ukraina, CIS	CRB	48 18N	25 56E			*Closed*. Tchernovtz (B), Tschernovtz (B).
Cherry Point	North Carolina, USA	CPC	34 54N	76 53W			*Closed*. From 1950 I to 1956 XII.
Chesbro Res.	California, USA	CBO	37 06 42.6N	121 41 19.8W	192		*JCBM* Chesbro Reservoir. From 1967 VIII 24.
Chesbro Res. 1	California, USA	CB1	37 09 45N	121 37 15W	260		Moved to 37:09:44.4N 121:37:27W code ADR.
Chesbro Res. 2	California, USA	CB2	37 11 27.0N	121 45 54.6W	230		*Closed*. From 1968 X 01 to 1968 X 16.
Chesbro Res. 3	California, USA	CB3	37 15 30N	121 40 36W	330		Moved to 37:15:27.6N 121:40:21.0W code COE.
Chesbro Res. 4	California, USA	CB4	37 21 06N	121 32 09W	625		Moved to 37:20:57.6N 121:31:57.6W code ARN.
Chesbro Res. 5	California, USA	CB5	37 16 54N	121 46 06W	120		SVC.
Chesbro Res. 6	California, USA	CB6	37 27 04.8N	121 47 57.6W	240		
Chesbro Res. 7	California, USA	CB7	37 25 42N	121 44 33W	975		*Closed*. Poverty Ridge. From 1968 VII 12 to 1970 V 07.
		CB7					
Chesbro Res. 8	California, USA	CB8	37 09 31.6N	121 50 49.8W	280		Moved to 37:09:30N 121:50:49.2W code AMC.
Chesterland	Ohio, USA	CCHE	41 33 40.2N	81 21 43.2W	365		*Closed*. To 1992 VI 15.
Chetwynd	British Columbia, Canada	CTC	55 38 30N	121 45 00W			*Closed*. From 1967 XII to 1973 IV 06.
Chews Ridge	California, USA	BCWM	36 18 24.0N	121 33 57.6W	1518		
Cheyenne	Wyoming, USA	CY−	41 25 00N	104 51 36W	1920		*Closed*. From 1962 VII 06 to 1962 VII 11.
Chiang Mai	Thailand	CHG	18 48 49.8N	98 56 37.8E	416	WWSSN	Chieng Mai. From 1963 III.
Chiang Mai	Thailand	CHTO	18 48 49.8N	98 56 37.8E	316		From 1977 VI.
Chiang Mai Array	Thailand	CM16	18 27 27.0N	98 56 34.4E	358		Chiang Mai Array Site 16.
Chiang Mai Array	Thailand	CM31	18 27 27.0N	98 56 34.4E	307		Chiang Mai Array Site 31.
Chiang Mai Array	Thailand	CM32	18 39 11.9N	98 50 48.8E	292		Chiang Mai Array Site 32.
Chiang Mai Array	Thailand	CM33	18 49 03.7N	98 56 47.8E	358		Chiang Mai Array Site 33.
Chiang Mai Array	Thailand	CM34	18 51 04.0N	99 08 59.3E	315		Chiang Mai Array Site 34.
Chiang Mai Array	Thailand	CM35	18 40 41.2N	99 09 14.0E	283		Chiang Mai Array Site 35.
Chiang Mai Array	Thailand	CM36	18 31 05.5N	99 05 43.4E	310		Chiang Mai Array Site 36.
Chiang Mai Array	Thailand	CMAR	18 27 27.0N	98 56 34.4E	307		Chiang Mai Array Beam Reference Point.
Chiapa de Corzo	Chiapas, México	CZC	16 42 43.2N	93 01 12.0W	418		To 1982 III from 1984.
Chiapas	Chiapas, México	ARL	17 24 43.2N	93 07 04.8W			
Chiapas	Chiapas, México	BJU	16 52 36.5N	93 10 44.8W			
Chiapas	Chiapas, México	LIBM	17 17 38.4N	93 00 43.2W			
Chiapas	Chiapas, México	MARM	17 13 04.8N	92 41 34.8W			
Chiapas	Chiapas, México	PAY	17 28 18.0N	93 29 28.8W			
Chiapas	Chiapas, México	PENM	17 26 09.6N	93 31 40.8W			
Chiapas	Chiapas, México	PORM	17 10 44.4N	93 23 42.0W			

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Chiapas	Chiapas, México	SIPM	17 13 22.8N	93 09 25.2W			
Chiapas	Chiapas, México	TANM	16 55 08.4N	93 06 54.0W			
Chiapas	Chiapas, México	UJZ	15 04 30N	92 05 00W			
Chiapas	Chiapas, México	VGP	17 21 25.8N	93 36 50.4W			
Chiapas	Chiapas, México	ZZA	15 08N	92 19W			
Chiautla de Tapia	Puebla, México	CHPM	18 17 55.0N	98 36 47.6W	1030		
Chiavari	Italy	CHV	44 18 55N	9 19 25E			*Closed*.
Chiawan	Taiwan, China	TWD	24 04 48.0N	121 35 43.8E	30		Hualien. From 1972 IX 25 to 1983 X 15.
Chiayi	Taiwan, China	CHY	23 29 51.8N	120 25 28.2E	27		Correction to coordinates Nov 1990.
Chicago	Illinois, USA	CGI	41 58 48N	87 43 06W			
Chicago	Illinois, USA	CHK	41 47 20N	87 35 57W	180		*Closed*. From 1918 to 1967.
Chicago−Loyola	Illinois, USA	CHI	41 54N	87 38W	183		From 1912 IX.
Chichaoua	Morocco	CIA	31 33 54N	8 45 32W	473		
Chichibu	Saitama, Honshū, Japan	CHJ	35 59 30N	139 04 54E	219		Schichiku Titibu, Titiku.
Chichibu	Saitama, Honshū, Japan	CHJJ	36 02 54N	138 59 42E	187		Chichibu outpost. From 1978.
Chichi jima	Bonin Islands, Japan	CBI	27 05 22.8N	142 11 18.0E	3		Correction to coordinates from Jan 1993. Chichi
		CBI					shima. From 1975 I.
Chichi jima	Bonin Islands, Japan	CBIJ	27 05 33.6N	142 10 53.4E	155		JCJ from Dec 96.
Chichinautzin	México D.F., México	CHVM	19 05 14.4N	99 08 50.4W	3213		
Chichi shima	Bonin Islands, Japan	TTZ	27 05N	142 11E			*Closed*. Titizima Chichi jima. New code CBI from
		TTZ					1975 I.
Chiclayo	Peru	CHP8	6 45 54S	79 51 54W	60		From 1982 VIII.
Chico	California, USA	CCO	39 03 51N	121 00 34W	60		From 1972 II 23.
Chicoasén	Chiapas, México	CSN	16 58 08.4N	93 06 28.8W	320		
Chicoasén 1	Chiapas, México	CR1	17 02 43.2N	93 06 54.6W	1200		Presa Chicoasén No 1.
Chicoasén 2	Chiapas, México	CR2	16 53 06.0N	92 57 28.8W	1743		Presa Chicoasén No 2.
Chicoasén 3	Chiapas, México	CR3	16 48 51.6N	92 57 16.8W	1200		Presa Chicoasén No 3.
Chicoasén 4	Chiapas, México	CR4	16 43 01.8N	93 04 29.4W	900		Presa Chicoasén No 4.
Chicoasén 5	Chiapas, México	CR5	16 49 00.6N	93 07 07.8W	1300		Presa Chicoasén No 5.
Chicoasén 6	Chiapas, México	CR6	16 57 29.4N	93 13 33.6W	1700		Presa Chicoasén No 6.
Chicoasén 7	Chiapas, México	CR7	17 13 58.8N	93 10 12.0W	1750		Presa Chicoasén No 7.
Chieng Mai		CHG	*See* Chiang Mai				
Chihuahua	Chihuahua, México	CHH	28 38 12N	106 04 42W	1430		
Chilao Flats	California, USA	CFL	34 19 58.2N	118 01 22.8W	1586		
Chilbolton	England, UK	CLB	51 08 37N	1 25 58W	76		*Closed*. From 1976 V 01.
Childress 1	Texas, USA	CEC	34 34 19.2N	100 19 33.0W	548		*Closed*. To 1974.
Childress 2	Texas, USA	CNE	34 35 01.8N	100 18 37.2W	555		*Closed*. To 1974.
Childress 3	Texas, USA	CNO	34 34 40.8N	100 20 06.6W	562		*Closed*. To 1974.
Childress 4	Texas, USA	CNW	34 35 30.0N	100 21 34.8W	540		*Closed*. To 1974.
Childress 5	Texas, USA	CSE	34 33 21.0N	100 19 49.8W	521		
Childress 6	Texas, USA	CSW	34 33 25.2N	100 20 52.8W	546		*Closed*. To 1974.
Childress 7	Texas, USA	CWT	34 34 13.2N	100 20 37.2W	549		*Closed*. To 1974.
Childs Glacier	Alaska and Aleutians, USA	CSG	60 39 39.6N	144 51 18.0W	678		From 1984.
Chilecito	La Rioja, Argentina	CCT	29 10S	67 30W			*Closed*.
Chileka	Malawi	CLK	15 40 48S	34 58 36E	781		
Chilik	Kazakhstan, CIS	CHL	43 34N	78 25E	600		*Closed*. Chilisk.
Chimachoy	Guatemala	CIM	14 35 01.7N	90 52 00.1W	2450		*Closed*. Correction to coordinates Jul 1992.
		CIM					From 1975 III.
Chimborazo	Ecuador	CHI1	1 25 07.2S	78 48 53.4W	4440		From 1992 II 13.
Chimborazo	Ecuador	CHIM	1 25 13S	78 51 41W	4100		*Closed*. From 1990 I to 1991.
Chimeneas	Spain	ACHM	37 06 18.0N	3 49 46.8W	862		
Chimkent	Kazakhstan, CIS	CHM	42 18N	69 36E	510		*TCH**Closed*. Tchimkent.
Chimney Peak	California, USA	WCHM	35 52 58.8N	118 04 28.8W	2475		MNLO code WCH.
China Gardens	California, USA	CGSM	36 11 24.0N	117 37 25.3W	1689		*WCGM* China Gardens S. From 1975 IX 26.
China Lake	California, USA	CLC	35 49 00N	117 35 48W	766		From 1949 VII 08.
China Lake	California, USA	GPO	35 38 57.8N	117 39 42.8W	735		
China Lake	California, USA	WCXM	35 42 37.8N	117 35 58.8W	671		China Lake Receiver Site, MNLO code WCX.
China Poot	Alaska and Aleutians, USA	CNPM	59 31 33.0N	151 14 09.6W	564		
Chinchina	Colombia	CHN	4 58N	75 37W	1360		From 1949 VIII.
Chingaza	Colombia	CHIC	4 37 58.8N	73 43 50.2W	3102		From 1994.
Chirah Chowk	Pakistan	CHCP	33 39 30.0N	73 15 49.8E	579		
Chirāz		SHI	*See* Shirāz				
Chiredzi	Zimbabwe	CIR	21 00 48S	31 34 48E	430		
Chiripa	Costa Rica	AR6	10 26 45.0N	84 54 35.4W	1010		Correction to coordinates 1991.
Chita	Chitinskaya Obl., RF, CIS	CIT	52 00N	113 36E	790		From 1970.
Chitina Glacier	Alaska and Aleutians, USA	CTGM	60 57 54N	141 20 00W	1554		From 1979 IX 05.
Chittagong	Bangladesh	CHT	22 21N	91 49E	35		
Chiufeng		BJI	*See* Beijing				
Chocan	Peru	CHP3	5 10 48S	80 57 43W	200		From 1979 XII.
Chōchi, Chōshi, Tschōchi, Tyōsi		CHO	*See* Chōsi				
Chocolate Mt.	California, USA	CH2	33 17 46.2N	115 20 10.2W	347		From 1977 XII.
Chocolate Mts	California, USA	COT	33 18 18.6N	115 21 12.6W	294		From 1973 IV 16.
Cholame Valley	California, USA	CVC	35 49 27.0N	120 21 04.2W			
Choma	Zambia	CHMZ	16 50S	27 04E	1278		From 1987.
Chonco	Nicaragua	CNR	12 40 21.0N	87 04 19.8W	240		From 1975.
Chorzów	Poland	CHZ	50 17 33N	18 59 30E	316		*Closed*.
Chōsi	Chiba, Honshū, Japan	CHO	35 43 30N	140 50 36E	27		*Closed*. Chōchi, Chōshi, Tschōchi, Tyōsi Moved
		CHO					to CHO1. To 1986 VIII 22.
Chōsi	Chiba, Honshū, Japan	CHO1	35 44 12N	140 51 42E	28		*Closed*. From 1986 VIII 22 to 1986 XI 08.
Chōsi	Chiba, Honshū, Japan	CHOJ	35 42 06N	140 51 30E	66		From 1986XI 08.
Chowiet Island	Alaska and Aleutians, USA	CHW	56 02 00N	156 42 42W	160		From 1974.
Choya	Santiago del Estero, Argentina	CYA	28 26 30.0S	65 48 07.2W	609		Coordinates corrected Nov 1997.
Christchurch	South Island, New Zealand	CHR	43 31 58S	172 37 36E	8		From 1902 to 1957 from 1969 VII 29 to 1978 IX from
		CHR					1990 V.
Christianburg	Tennessee, USA	CBT	35 32 21.8N	84 25 14.2W	357		
Christmas	California, USA	XMS	35 31 24.0N	117 21 16.8W	704		Christmas Canyon.
Christmas Island	Christmas Island	XMI	10 27 18S	105 41 24E	240		*Closed*. From 1976 IX 27 to 1977 XI 27.
Chuchupate	California, USA	CHP	34 48 30N	119 00 42W	1590		*Closed*. From 1952 to 1952 XI.
Chuian−Garon	Tadzhikistan, CIS	CGT	38 39N	69 10E			*Closed*.
Chulitna	Alaska and Aleutians, USA	CUT	62 24 16.8N	150 16 10.2W	168		From 1986 VII 18.
Chul'man	Yakutskaya ASSR, RF, CIS	CLNS	56 54N	125 00E			
Chur	Switzerland	CHU	46 50 59.5N	9 32 12.1E	630		*Closed*. Coire.
Church	Alaska and Aleutians, USA	CHB	64 15 27.6N	149 10 12.0W	196		
Church Hills	Tennessee, USA	CHTN	36 35 04.8N	82 43 12.0W	558		*Closed*. From 1983 II 10 to 1986 I 09.
Churchill	Manitoba, Canada	CH−	58 36 25N	93 49 00W	38		*Closed*. From 1965 X 22 to 1965 XI 09.
Chūrui	Tokachi, Hokkaidō, Japan	JCH	42 36 51.6N	143 21 44.4E	120		
Chusal	Tadzhikistan, CIS	CHS	39 06N	70 46E	1600		*Closed*.
Chutung	Taiwan, China	TWR	24 38 24.3N	121 04 43.0E	760		From 1974 II 11.
Chylin	Poland	CYP	51 17 36N	23 18 00E	100		*Closed*.
Cienega Rd	California, USA	BCGM	36 42 33.1N	121 20 35.9W	305		*AN14** Cienega Road. From 1969 V 29.
Cincinnati	Ohio, USA	CNN	39 08 42.0N	84 29 48.1W	203		*Closed*. From 1927 to 1963.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Cine	Turkey	CIN	37 36 00N	28 05 12E	120		From 1956 VI.
Cipolletti	Río Negro, Argentina	CIP	38 56S	68 08W			*Closed*.
Cipreses	O'Higgins, Chile	CICH	34 19 11.4S	70 25 13.8W	1200		
Circular Butte	Idaho, USA	CRBI	43 49 49.2N	112 38 04.2W	1543		
Cirque	Alaska and Aleutians, USA	CRQM	60 45 24N	143 08 21W	1853		From 1988 VII 01.
Cisc	Cuba	CISC	20 00 07.2N	75 46 15.6W			
City College NY	New York, USA	CNY	40 49 18N	73 57 12W			C.C.N.Y., College of the City of New York.
C. Altamirano	Guerrero, México	CDAM	18 21N	100 39W	300		Ciudad Altamirano.
Ciudad Guzmán	Jalisco, México	CGX	19 41 30N	103 30 30W	1530		
Ciudad Serdán	Puebla, México	IISM	18 59 16.8N	97 22 36.6W			
Ciudad Trujillo		SDD	*See* Santo Domingo				
Clancy	Montana, USA	CMT	46 31N	111 56W	1402		From 1974.
Clara Peak	New Mexico, USA	CLP	36 02 09N	106 14 25W	2591		From 1973 IX.
Clark Can. Res.	Montana, USA	CCMT	44 54 54.0N	112 52 25.8W	1926		*Closed*. Clark Canyon Reservoir. From 1985 VII
		CCMT					24 to 1989 VIII 30.
Clark Hill Res.	Georgia, USA	BEVG	34 05 21.5N	82 44 00.0W	158		Clark Hill Reservoir.
Clark Hill Res.	Georgia, USA	CH5	33 44 00N	82 19 30W	132		From 1975 XII.
Clark Hill Res.	Georgia, USA	CH6	33 52 45N	82 31 10W	146		From 1975 XII.
Clark Hill Res.	Georgia, USA	IVAG	34 16 19.6N	82 44 45.6W	168		*Closed*. Clark Hill Reservoir. To 1986.
Clark Hill Res.	Georgia, USA	LDVG	34 08 52.1N	82 41 00.0W	162		
Clarkstown	New York, USA	CLAR	41 11 19.2N	74 00 13.2W	76		
Clausthal	Niedersachsen, Germany	CLZ	51 50 29.9N	10 22 20.7E	680		
Clay Center	Nebraska, USA	CCNE	40 30 13.3N	97 56 12.0W	529		
Clayton	Oklahoma, USA	CT−	34 29 17N	95 07 38W	305		*Closed*. From 1962 VII 14 to 1962 X 05.
Clear Creek Butte	Alaska and Aleutians, USA	CCB	64 38 48.0N	147 48 19.8W	219		From 1971 II 25 to 1975 I 01 from 1983 IX 16.
Clear Mews	Alaska and Aleutians, USA	CMA	64 17 24N	149 10 48W	181		*Closed*. From 1964 to 1974 I.
Clermont Ferrand	Auvergne, France	CFF	45 45 46N	3 06 09E	400		*NE16* NE16. From 1984 XI.
Cleve	South Australia, Australia	CLV	33 41 28S	136 29 44E	238		From 1963 X.
Cleveland	Ohio, USA	CLE	41 29 19.5N	81 31 55.5W	328		*Closed*.
Cliffside	Montana, USA	CFM	48 12 29.2N	115 27 29.9W	886		*Closed*. From 1971 II to 1974 VII 09.
Climax Mine	Nevada, USA	NYM	37 13 52.8N	116 03 08.4W	1603		*Closed*. From 1971 I to 1973 I.
Clinton	New York, USA	CLIN	41 52 30.0N	73 50 56.4W	168		*Closed*. From 1978 V to 1983 II 25.
Clintwood	Virginia, USA	CI−	37 11 37N	82 24 57W	549		*Closed*. From 1962 X 15 to 1962 X 27.
Closani	Romania	CLO	45 04 26N	22 48 07E	335		From 1982 IX 01.
Cloverdale	California, USA	GCVM	38 46 10.8N	123 00 50.0W	150		Correction to position Feb 1993. From 1975 V 07.
Cluj	Romania	CLU	46 45N	23 39E			*Closed*. Kolozsvar Clug.
Cluj−Napoca	Romania	CJR	46 42 48N	23 35 53E	750		*Closed*. Cluj. From 1979 to 1985 XII 01.
Cluj−Napoca	Romania	CJR1	46 45 58N	23 33 05E	345		Cluj. From 1985 XII 01.
Clyde	South Island, New Zealand	CYZ	45 08 45S	169 19 46E	606		From 1984 IV 04.
CMX		COLM	*See* Colima				
Coachella	California, USA	COA	32 51 48.6N	115 07 21.6W	35		From 1973 IV 16.
Coamo	Puerto Rico	CCA	18 04 10.6N	66 19 34.5W	269		*Closed*. From 1977 II 15.
Coatepeque	El Salvador	COAS	13 53 12N	89 34 19W	1260		
Cō bano	Costa Rica	CAO	9 42 03.6N	85 06 10.8W	263		From 1984XI.
Cobar Met. Stn	New South Wales, Australia	CMS	31 29 12S	145 49 42E	255		*Closed*. Cobar Meteorology Station. From 1982
		CMS					XII 06.
Cobar Met. Stn	New South Wales, Australia	CMSA	31 32 20.4S	145 41 25.1E	220		
Cobb Dam	South Island, New Zealand	CDZ	41 05 43.8S	172 42 46.8E	780		*Closed*. From 1989 XI 30 to 1990 IV 25.
Cobb Mountain	California, USA	GCMM	38 48 20.9N	122 45 18.7W	1286		From 1975 IV 23.
Cobb River	South Island, New Zealand	COB	41 05 16S	172 44 02E	213		*Closed*. Cobb. From 1949 VII to 1990 II 25.
Cochabamba	Bolivia	CCH	17 23 03S	66 08 03W	2650		Station moved 1985. Correction to coordinates
		CCH					Apr 1993.
Cochiti	New Mexico, USA	COH	35 34 48.6N	106 18 17.4W	1646		From 1976 I.
Cocos Island	Cocos Islands	CCK	12 12S	96 54E			*Closed*. Keeling Island.
Codrington	Barbuda, WIAS	CPB	17 38 24.0N	61 49 33.6W	5		From 1980 VII 09.
Cody	Nebraska, USA	CZ−	42 52 30N	101 14 30W	975		*Closed*.
Coe Ranch	California, USA	COE	37 15 27.6N	121 40 21.0W	366		*CCOM* From 1967 X 03.
Cogollos−Vega	Spain	ECOG	37 16 37.9N	3 33 59W	1176		From 1990 VI 13.
Cohasset Ridge	California, USA	OCHM	39 52 32.9N	121 45 55.8W	530		From 1976 XII 17.
Coimbra	Portugal	COI	40 12 24N	8 25 06W	140		
Coire		CHU	*See* Chur				
Colaba		BOM	*See* Bombay				
Colby Mountain	California, USA	LCMM	40 08 47.4N	121 31 15.6W	1829		MNLO code LCM.
Colchester	Vermont, USA	COV	44 34 39.7N	73 08 44.9W	85		*Closed*. From 1976 XI to 1980 VIII.
Colchester	England, UK	TCR	51 50 05.6N	0 54 45.0E	40		From 1989.
Cold Bay	Alaska and Aleutians, USA	CBA	55 10 30N	162 44 00W			*Closed*.
Cold Bay	Alaska and Aleutians, USA	CBY	55 11 19.2N	162 42 14.4W	20		From 1993 VI 01.
Col de Zad	Morocco	CZD	33 01 59N	5 02 35W	2356		From 1992.
Cold Spring	New York, USA	COSP	41 26 26.4N	73 55 41.4W	128		
Cold Spring R.	New York, USA	CSRY	43 58 09N	74 10 30W			*Closed*. Cold Spring River. From 1983 X to 1986
		CSRY					X.
Cold Springs	Tennessee, USA	CSPT	35 45 39.6N	83 49 26.4W	335		From 1983 X 28.
Cold Springs	California, USA	KCSM	40 32 15.6N	123 30 45.6W	1640		From 1992 VIII 13.
Col du Perthus	Languedoc-Rousillon, France	PERF	42 29 08N	2 52 27E	490		From 1989 I.
Coldwater Can.	California, USA	CWCR	37 29 41.4N	118 18 22.8W	2000		Coldwater Canyon. From 1984 VIII 10.
Coleburn Distill.	Scotland, UK	MCD	57 34 58N	3 15 15W	280		Coleburn Distillery. From 1981 VI.
Coleman	Alberta, Canada	CLM	49 38 06N	114 31 12W			*Closed*.
Colfax	Wisconsin, USA	CF−	45 05 39N	91 45 59W	366		*Closed*. From 1962 XI 04 to 1962 XII 12.
Coligny	Transvaal, South Africa	CGY	26 20 54S	26 22 30E			*Closed*. From 1986 to 1999 I.
Colima	Colima, México	COLM	19 10 51N	103 41 27.5W	779		*CMX* CMX. From 1986.
Colima		MNZ	*See* Manzanillo				
Collangettes	Auvergne, France	COLF	45 31 04.3N	3 41 42.4E	725		
College	Alaska and Aleutians, USA	CMO	64 51 36N	147 50 06W	183		*Closed*. Fairbanks. From 1949 to 1977.
College	Alaska and Aleutians, USA	COLA	64 52 25.7N	147 51 04.0W	74		Elevation changed Oct 1997. From 1996.
College Fiord	Alaska and Aleutians, USA	CFI	61 10 57.6N	147 45 59.4W	3		From 1974 VII 31.
College Outpost	Alaska and Aleutians, USA	COL	64 54 00N	147 47 36W	320	WWSSN	*Closed*.
Collinsville	Queensland, Australia	CVLQ	20 35 24.0S	147 36 32.4E	102		From 1985 IV 03.
Collinsville	Alabama, USA	HGA	34 15 36.7N	85 50 47.0W	384		
Collm	Sachsen, Germany	CLL	51 18 27.7N	13 00 09.4E	230		Leipzig.
Collurania	Italy	CLR	42 40N	13 43E			*Closed*. Colurania.
Coloane	Macao	MCO	22 07 19N	113 33 30E	174		
Cologne	Nordrhein-Westfalen, Germany	CLG	50 55 42N	6 56 06E			Köln.
Colombo	Sri Lanka	COC	6 54N	79 52E	7		
Colome	South Dakota, USA	CO−	43 17 12N	99 40 13W	640		*Closed*. From 1962 VII 06 to 1962 VII 11.
Colón	O'Higgins, Chile	COLN	34 04 00S	70 27 24W	2160		
Colón	Panama	ECO	9 21 49.7N	79 41 37.3W	468		From 1990 X 17.
Colón	Panama	ECO2	9 19 18.6N	79 41 01.2W			
Coloneşti	Romania	CLI	46 33N	27 17E	502		
Colonia del Valle	México D.F., México	CVM	19 22 55.7N	99 10 42.5W			
Colonia Sabana	Puerto Rico	CSB	18 17 22.9N	66 09 24.2W	470		From 1975 VII 30.
Coloredo	Italy	COLI	46 08 00N	13 22 42E	250		From 1977 V 06.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Colson Canyon	California, USA	BCC	34 56 28.7N	120 10 19.2W	610		From 1969 XI 24.
Colson Canyon	California, USA	SCCM	34 56 28.8N	120 10 19.2W	610		
Colter Canyon	Wyoming, USA	COLW	43 57 14.2N	110 41 45.6W	2079		From 1986 I.
Columbia	Tennessee, USA	COTN	35 47 03.0N	86 58 14.4W	320		*Closed*. To 1985 IX 25.
Columbia	South Carolina, USA	CSC	34 00N	81 02W	94		*Closed*. From 1931 I 01 to 1973 IX.
Columbia College	California, USA	CMB	38 02 06N	120 23 06W	719		From 1986 XI 06.
Columbus	Nebraska, USA	CUN	41 28 44N	97 22 48W	467		
Colville	Washington, USA	CLW	48 35 36.0N	117 52 55.2W	585		*Closed*. From 1975 VI to 1976 XI.
Combe Farm	England, UK	DCO	50 19 12.0N	3 52 20.6W	410		From 1982.
Comb Ridge	Tennessee, USA	CRTN	36 11 59.4N	83 50 26.4W	488		
Comitán	Chiapas, México	COM	16 15 12N	92 07 41W	1528		
Comitán 2	Chiapas, México	COM2	16 14 30.0N	92 08 13.8W			
Concepción	Concepción, Chile	CON	36 49 41S	73 02 42W	15		
Concord	California, USA	CNC	37 58 00N	122 04 18W	36		*Closed*. Diablo Valley College. From 1960 IX 12 to
		CNC					1966 XII 06.
Concordia	Kansas, USA	CNK	39 30 28.8N	97 42 46.8W	465		From 1978 IV 18.
Concrete	Washington, USA	CE−	48 31 21N	121 41 14W	274		*Closed*. From 1962 X 15 to 1962 X 27.
Condor	Peru	PP03	13 32 28.2S	75 31 27.0W	1400		
Cone Peak	Hawaii, Hawaiian Islands	CPK	19 23 42N	155 19 42W	1038		From 1967 XI.
Conil	Spain	CNIL	36 22 10.2N	6 03 06.6W	80		
Connecticut Univ.	Connecticut, USA	UCT	41 49 54N	72 15 02W	149		*Closed*. University of Connecticut. To 1999 I.
Connel	Washington, USA	CNL	46 39 10.8N	118 55 01.2W	293		*Closed*. From 1970 VI to 1975 II.
Constantine	Algeria	CNS	36 22 12N	6 36 45E	670		
Contact Creek	Alaska and Aleutians, USA	CNTC	58 15 52.2N	155 53 01.2W			From 1996 VIII.
Conway	Arkansas, USA	CW−	35 08 08N	91 58 40W	152		*Closed*. From 1962 V 09 to 1962 VI 09.
Cook Canyon	California, USA	CKC	34 08 10.8N	117 10 28.8W	550		
Cook Peak	California, USA	WCOM	35 37 21N	118 26 15W	1609		MNLO code WCO.
Cook Ranch	California, USA	COK	32 50 57.1N	115 43 36.5W	−15		From 1973 IV 16.
Coolgardie	Western Australia, Australia	COOL	30 53 01.8S	121 08 40.8E	500		From 1988 VIII.
Cooney	New South Wales, Australia	COO	30 34 40S	151 53 30E	653		*Closed*. Armidale. From 1974 VIII 17.
Coon Peak	Utah, USA	CPU	40 40 23N	112 11 25W	2228		From 1974 XI.
Cooper Hill	Maine, USA	PQ0	44 59 10.7N	67 28 02.6W	219		*Closed*. To 1999 I.
Cooper Landing	Alaska and Aleutians, USA	SKL	60 30 51.6N	150 12 54.6W	660		*Closed*. Skilak. From 1971 IX 09 to 1984.
Cooper Mountain	Texas, USA	CMTX	33 00 37.8N	100 50 30.6W	811		
Coopers Lake	Montana, USA	CKM	47 03 59.9N	112 54 35.5W	1353		*Closed*. From 1974 VIII 02 to 1976 X.
Copenhagen	Denmark	COP	55 41N	12 26E	13	WWSSN	Köbenhavn. From 1962.
Copiapó	Atacama, Chile	CPP	27 21 15S	70 21 04W	384		
Coppermine	Northwest Territories, Canada	CMC	67 50N	115 05W	31	WWSSN	*Closed*. From 1963 III 15 to 1969 XII 06.
Copper Mountain	California, USA	CPM	34 09 14.4N	116 11 48.0W	937		
Copperopolis	California, USA	MCUM	37 58 21.7N	120 37 01.2W	336		From 1972 IV 19.
Corbin	Virginia, USA	CBN	38 12 18N	77 22 24W	70		From 1971.
Corbin	Virginia, USA	CNV	38 12 18N	77 22 24W	70		From 1978 VII.
Corcovado	Peru	CHP2	4 36 58S	80 48 47W	200		From 1979 XII.
Córdoba		PIL	*See* Pilar				
Cordova	Alaska and Aleutians, USA	CDI	60 29 36N	145 27 48W			*Closed*. From 1964 IV 02 to 1964 V 08.
Cordova	Alaska and Aleutians, USA	CVA	60 32 47.4N	145 44 57.6W	90		From 1971 VIII 31.
Cordoza Dairy	California, USA	HCZM	36 54 32.4N	121 48 01.1W	30		From 1975 XI 13.
Corfu	Washington, USA	CRF	46 49 30.6N	119 23 15.6W	190		From 1970 VII.
Corinaldo	Italy	CRN	43 37 51N	12 59 52E	271		
Cork	Ireland	CORK	51 53N	8 28W			*Closed*. From 1914 to 1942.
Corn Cob Canyon	California, USA	HCOM	36 53 15.0N	121 42 29.4W	134		Correction to coordinates Mar 1993. From 1975
		HCOM					XI 19.
Cornell	Wisconsin, USA	CN−	45 11 34N	91 07 41W	320		*Closed*. From 1962 V 10 to 1962 VI 28.
Corner Brook	Newfoundland, Canada	CBK	48 55 10.9N	57 58 10.9W	380		
Corona Quarry	California, USA	COQ	33 51 37.8N	117 30 34.9W	1634		From 1976 I.
Coronel Fontana	San Juan, Argentina	CFA	31 36 09.5S	68 13 59.2W	713		Coordinates corrected Nov 1997.
Corral Hollow	California, USA	CSTL	37 38 21.0N	121 29 53.4W	205		From 1981 II 18.
Corvallis	Oregon, USA	COR	44 35 08.6N	123 18 11.5W	121	WWSSN	From 1950 XII.
Cosiguina	Nicaragua	COS	12 57 28.8N	87 34 30.6W	500		From 1975.
Coso Basin N	California, USA	CBHM	35 59 17.5N	117 45 00.0W	890		From 1975 IX 26.
Coso Springs S	California, USA	CSSM	36 01 34.8N	117 46 00.6W	1143		*WCSM* From 1975 IX 26.
Cotabato	Mindanao, Philippines	CTB	7 12N	124 12E	50		
Cotacachi	Ecuador	COTA	0 20 06.0N	78 20 16.2W	4020		From 1988 VII 22.
Cotoán	Costa Rica	CTCR	8 53 46.2N	82 45 33.6W	1620		From 1989.
Cotopaxi 1	Ecuador	VC1	0 38 22.2S	78 24 02.4W	4060		Formerly RECU. From 1988 VII 08.
Cottongarden Pt	Virgin Islands	CGPV	17 45 48.6N	64 35 03.0W	40		*Closed*.
Cottonwood Cr.	California, USA	CWC	36 26 18N	118 04 42W	1620		Cottonwood Creek. From 1965 X 13.
Cottonwood Mts	California, USA	CTW	33 40 47N	115 52 18W	560		From 1977 VIII 24.
Cottonwood Pt.	Missouri, USA	CWPT	36 00 32.8N	89 37 35.0W	76		Cottonwood Point.
Covasna	Romania	CVO	45 49 20N	26 10 26E	635		From 1982 IX 01.
Cove Fort	Utah, USA	CFU	38 37 08N	112 32 19W	2012		
Cow Camps Rge	Tennessee, USA	CCRT	35 27 57.6N	84 03 14.4W	940		Cow Camps Ridge. From 1983 XI 06.
Cow Castle Creek	South Carolina, USA	COW	33 23 03N	80 42 03W			From 1977 X 23.
Cowlitz River	Washington, USA	CWZ	46 29 27.6N	122 00 43.6W	305		
Cow Mountain	California, USA	GCWM	39 07 51N	123 04 33W	1089		MNLO code GCW.
Coxcomb Mts 2	California, USA	CO2	33 50 49.8N	115 20 40.8W	276		
Coyote Hills	California, USA	CCYM	37 33 06.1N	122 05 26.9W	67		From 1975 V 01.
Coyote Hills	California, USA	CYH	37 33 32.4N	122 05 37.2W	38		*LT8**Closed*. Los Trancos 8. From 1966 XII 15 to
		CYH					1975 IV 29.
Coyote Hollow	Idaho, USA	CHOI	43 18 45.0N	111 12 45.9W	2103		From 1986 I.
Coyote Mt.	California, USA	COY	33 21 50.4N	116 18 37.8W	232		From 1976 I.
Coyotepe	Nicaragua	CYN	11 59 45.0N	86 05 55.2W	345		*Closed*. To 1975 IX.
Coyote Point	California, USA	JCPM	37 35 17.4N	122 19 20.0W	14		
Cozia	Romania	COZ	45 19 14N	24 20 33E	1610		Vîrful Cozia. From 1982 IX 01.
CP−1	Nevada, USA	CPX	36 55 48N	116 03 18W	1285		*Closed*. Moved to CPY. From 1961 to 1991 I 14.
CP−1	Nevada, USA	CPY	36 55 43.8N	116 03 31.8W	1368		Replaces CPX. From 1991 I 14.
CP−17	Nevada, USA	CPN	37 08 37.8N	116 16 16.8W	1759		*Closed*. From 1965 to 1970.
Cracow		KRA	*See* Kraków				
Crafton Hills	California, USA	CFT	34 02 06.6N	117 06 39.6W	671		From 1975 I.
Craig	Colorado, USA	CGC	40 31 24N	107 33 45W	1925		*Closed*. From 1970 to 1972 XI.
Craig Goch	Wales, UK	HCG	52 19 21N	3 39 24W	511		From 1980 XI.
Craigsville	West Virginia, USA	CX−	38 19 23N	80 38 25W	732		*Closed*.
Crane	Oregon, USA	KR−	43 25 03N	118 30 44W	1402		*Closed*.
Crater	Costa Rica	A10	10 27 40N	84 42 56W	830		
Crater GGP	Ecuador	CGGP	0 10 35.4S	78 36 21.0W	4400		From 1993 III 13.
Crater Lake	Oregon, USA	VCLM	42 52 42.6N	122 07 12.6W	2048		
Crater Peak	Alaska and Aleutians, USA	CRP	61 16 01.2N	152 09 19.8W	1622		From 1981 VIII 26.
Crater Peak Alt.	Alaska and Aleutians, USA	CPAM	61 15 17.4N	152 08 29.4W	1192		Crater Peak Alternate. From 1992 X 29.
Crater Peak Rim	Alaska and Aleutians, USA	CPKM	61 15 48N	152 14 00W	2017		From 1991 X 01.
Crater Peak Two	Alaska and Aleutians, USA	CP2	61 15 51.0N	152 14 30.6W	1981		From 1992 X 26.
Craters of Moon	Idaho, USA	COMI	43 27 42.6N	113 35 37.8W	1890		Craters of the Moon. From 1992.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Crater Summit	St Vincent, WIAS	SSV	13 19 37.2N	61 11 34.8W	824		From 1979 I 16.
Crazy Man Mt.	Washington, USA	CZM	46 26 07N	122 30 21W	620		From 1980 IV.
Creal Springs	Illinois, USA	CSIL	37 37 55N	88 47 24W	168		*Closed*. To 1993 VI.
Crescent Cliffs	California, USA	LCFM	40 29 10.7N	121 31 26.4W	840		From 1976 XI 12.
Crestline	California, USA	CSL	34 14 58.9N	117 16 42.0W	1490		
Crete	Nebraska, USA	CR−	40 39 52N	96 51 15W	442		*Closed*. From 1965 X 26 to 1966 X 14.
Crete	Nebraska, USA	CTN	40 37 20N	96 56 54W	432		
Creve Coeur	Missouri, USA	CCMO	38 43 12.0N	90 28 01.2W	152		
Crevison Peak	California, USA	HCPM	37 11 40.2N	121 11 04.8W	513		*Closed*. From 1979 XI 15 to 1988 II 15.
Cripán	Spain	ECRI	42 36 32N	2 30 36W	807		Correction to coordinates Aug 1991. From 1986
		ECRI					X.
Criterion Ridge	Oregon, USA	CROR	44 58 58.2N	120 59 17.4W	1015		From 1987 VIII.
Crittenden D.	Arkansas, USA	CRID	35 18 07.2N	90 19 58.8W	36		Crittenden County − Downhole. From 1982 III 16.
Crittenden S.	Arkansas, USA	CRIS	35 18 07.2N	90 19 58.8W	64		Crittenden County − Surface. From 1981 XII 16.
Crocker Grade	California, USA	CRGC	35 14 31.9N	119 43 23.9W	1204		PAS code CRG. From 1976 VI.
Croghan	Ireland	DCN	53 20 38N	7 16 36W	150		From 1976 XI.
Croghan (NY)	New York, USA	CROG	43 54 18N	75 24 45W	244		*Closed*. From 1977 VII 27 to 1986 IX.
Crook	England, UK	LCK	54 21 34.2N	2 52 17.4W	200		*Closed*. From 1989 to 1992 X 13.
Cross Fire Stn	South Carolina, USA	CFS	33 16 43.3N	80 10 09.5W	26		Cross Fire Station. From 1988 V 30.
Cross River	New York, USA	CRNY	41 18 42.6N	73 32 53.4W			From 1981 XII 01.
Crossville	Tennessee, USA	CS−	35 48 55N	85 09 34W	579		*Closed*. From 1963 I 01 to 1963 III 21.
Crow Canyon Rd	California, USA	CYC	37 47 29.4N	121 56 53.5W	219		*CCNM* Crow Canyon Road. From 1976 II 05.
Crowley Lake	California, USA	CLKR	37 35 26.5N	118 49 26.8W	2576		REN code CLK. From 1979 XI.
Crown Mine	Nevada, USA	CMN	40 48 57.6N	117 31 40.2W	1792		*Closed*. From 1964.
Crown Point	Idaho, USA	CPI	43 52N	116 18W			
Crows Nest Can.	Idaho, USA	CNCI	43 55 44.4N	113 27 10.8W	1914		Crows Nest Canyon. From 1992.
Crozet Islands	Crozet Islands	CRZF	46 25 46.7S	51 51 40.4E	140		From 1986 IV.
Crutchfield	Kentucky, USA	CRU	36 35 42N	89 01 12W	127		From 1974 VII 12.
Crystal Lake	New York, USA	CLY	43 51 04.8N	74 26 56.4W	579		*Closed*. From 1971 IX to 1982 XII.
Cudjo Cave	Virginia, USA	CCVA	36 36 10.8N	83 40 01.2W	571		Moved slightly 1982:11:12. From 1982 X 06.
Cuglieri	Sardinia, Italy	CUG	40 11 13.0N	8 34 11.4E	445		
Culebra	Puerto Rico	CUP	18 20 06.0N	65 18 32.4W	120		*Closed*. From 1975 VII.
Culiacán	Sinaloa, México	CUL	24 48 28.8N	107 18 57.6W			*Closed*.
Cultus Mountains	Washington, USA	CMW	48 25 25.3N	122 07 08.4W	1190		
Cumaná	Venezuela	CUM	10 27 54N	64 10 12W	24		RESVAC code CUMV. From 1969 VIII 01.
Cumbal	Colombia	CMBC	0 51 33.9N	77 50 30.7W	3420		From 1994.
Cumberland Gap	Virginia, USA	CG−	36 37 35N	83 15 36W	396		*Closed*. From 1962 VI 01 to 1962 VI 28 from 1965 VI
		CG−					10 to 1965 VII 23.
Cumberland Gap	Tennessee, USA	CGTN	36 33 28.8N	83 42 39.6W	704		*Closed*. From 1981 X 23 to 1982 IV 03.
Cumberland Plat.	Tennessee, USA	CPO	35 35 41.4N	85 34 13.5W	574		*Closed*. McMinnville. From 1963 II 13.
Cumberland Plat.	Tennessee, USA	CPOT	35 36 13.8N	85 34 24.6W	570		*CPO5*
Cumberland Plat.	Tennessee, USA	RSCP	35 36 00N	85 34 08W	581		
Cumbre	Ecuador	CUMB	0 40 12.0S	78 25 48.0W	5820		
Cumshewa	British Columbia, Canada	CWB	53 09 29N	131 59 48W	620		From 1985 IX.
Cupa	Ecuador	CUPA	0 21 59.4N	79 30 00W	113		Correction Sept 1998. From 1994 VIII 08.
Currant	Nevada, USA	CND	38 49 55.2N	115 17 22.9W	2292		From 1975 XI.
Currant	Nevada, USA	CU−	38 40 38N	115 27 18W	1646		*Closed*. From 1963 IX 09 to 1964 III 09.
Curry Mountain	California, USA	PCRM	36 05 37.7N	120 26 04.9W	296		From 1975 IX 04.
Cushendall	Northern Ireland, UK	GCL	55 04 33.6N	6 07 48.0W	275		From 1989.
Cusmapa	El Salvador	CUSS	13 54 33N	89 56 50W	678		
Cusp Creek	British Columbia, Canada	CCC	56 07 24N	122 18 00W			*Closed*. From 1967 XII to 1973 IV 06.
Cuyoaco	Puebla, México	CUPM	19 36 13N	97 37 07W	2450		
Cuzco	Peru	CUS	13 33 48S	71 52 36W	3240		
Cypress Bend	Missouri, USA	CBD	36 19 01.2N	89 39 03.6W	84		From 1985 VI 21.
DabrowaGornicza	Poland	DGP	50 19 45N	19 12 51E	275		
Daday	Turkey	BALT	41 32 03N	33 23 09E	1746		From 1994 VI.
Dafaré	Djibouti	DAF	11 36 27.6N	42 31 45.0E	270		From 1976 III.
Dahal	Jordan	DHLJ	30 49 12.0N	35 24 07.2E	−80		From 1990 II 23.
Dairen		DAI	*See* Lüda				
Dakar	Senegal	DAK	14 40N	17 26W	30		*Closed*. Sénégal.
Dalbeg	Queensland, Australia	DLBQ	20 09 03.6S	147 15 50.4E	70		From 1984 IV 09.
Dalhousie	Himachal Pradesh, India	DLH	32 32 30N	75 58 00E	1960		*Closed*.
Dalian	Liaoning, China	DL2	38 54 22N	121 37 42E	62		Lüda. From 1983 VIII.
Dallas	Texas, USA	DAL	32 50 46N	96 47 02W	187	WWSSN	From 1953 XII 14.
Dallas	Texas, USA	DLS	32 52 40N	96 42 20W	169		*Closed*. From 1971 II 20 to 1975.
Dallas−GT	Texas, USA	DGT*					*Closed*.
Dalton	Georgia, USA	DALG	34 36 31.8N	85 00 49.3W	457		*Closed*. To 1988.
Dalton (Cal.)	California, USA	DLT	34 10 12N	117 48 36W	523		*Closed*. From 1950 VII 20 to 1959 VIII 29.
Dalton Mountain	Montana, USA	DMMT	46 51 44.4N	112 42 52.8W	2039		*Closed*. From 1987 XI 19 to 1990 VII 10.
Dalton (NSW)	New South Wales, Australia	DLN	34 43 24S	149 10 54E	550		*Closed*. From 1961 to 1972 VIII 09.
Dalton Road	California, USA	CDAL	37 43 48N	121 43 42W	190		From 1980 II 01.
Daman	Nepal	DMN	27 36 32.4N	85 06 21.6E	2225		From 1980 III 27.
Dampier	Western Australia, Australia	DAM	20 40S	116 40E			
Dandelion	Hawaii, Hawaiian Islands	DAH	19 21 25.2N	155 40 02.4W	3003		
Dane	Ontario, Canada	DAN	48 04N	80 01W			*Closed*.
Dangsing	Nepal	DANN	28 21 00N	83 45 36E	2500		From 1994 IV.
Daniels Canyon	Utah, USA	DAU	40 24 45N	111 15 21W	2771		From 1974 XI.
Danmarks Havn	Greenland	DAG	76 46 17N	18 39 17W	30	WWSSN	From 1972 IX 14.
Dannemora	New York, USA	DANY	44 50 08.4N	73 45 25.8W	507		*Closed*. From 1977 IX 16 to 1982 V 13.
Dannevirke	North Island, New Zealand	DNN	40 13S	176 07E	219		*Closed*. From 1932 VII to 1934 X.
Daraweish	Jordan	JRDJ	30 43 40.8N	35 39 57.6E	1365		*JDRJ* From 1990 IV 26.
Darband	Pakistan	DBP	34 22 33.6N	72 52 15.6E	704		
Darouich	Syria	DRWC	36 37 16.1N	36 40 00.0E	920		From 1995 VIII.
Dartmouth	Victoria, Australia	DRT	36 35 00S	147 29 30E	950		From 1975 XII.
Daru	Papua New Guinea	DNG	9 05 18.6S	143 12 20.5E	3		*Closed*.
Darwin	Northern Territory, Australia	DAR	12 24 30S	130 49 06E	6		*Closed*. To 1972 VI 05.
Darwin (Calif)	California, USA	DAC	36 16 37.2N	117 35 37.2W	1813		From 1960 VI.
Datong	Shanxi (Shansi), China	TTC	40 05 42N	113 16 48E			Tatung.
Davao	Mindanao, Philippines	DAP	7 04N	125 36E	19		*Closed*. Philippine Weather Bureau. From 1972.
Davao	Mindanao, Philippines	DWP	7 07 37.8N	125 39 20.5E			Davao Weather Station.
Davao City (W)	Mindanao, Philippines	DAV	7 05 16N	125 34 29E	85	WWSSN	Ateneo University. From 1964 VIII 24.
Davenport	Washington, USA	DPW	47 52 14.3N	118 12 10.2W	892		From 1986 XI.
Davenport	Washington, USA	DVW	47 38 18.0N	118 13 33.6W	717		From 1975 VI.
David	Panama	DVD	8 26 09N	82 27 02W	20		From 1986 VI.
Davos	Switzerland	DAVOS	46 50 21.8N	9 47 38E	2800		From 1974 IX 10.
Daw		DAW	*See* Hoskins				
Dawson	Yukon Territory, Canada	DAWY	64 03 55.9N	139 23 27.3W	808		From 1992 IX 30.
Dawson City	Yukon Territory, Canada	DWY	64 03 12N	139 25 54W	346		From 1984 IX 17 to 1988 III 02 from 1988 IX 23.
Dawson Falls	North Island, New Zealand	DFE	39 19 39S	174 06 13E			From 1992 VI.
Dawu		TAW	*See* Tawu				
Day	Djibouti	DAY	11 45 09.7N	42 38 17.5E			

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
D. Capesterre	Guadeloupe	DOG	16 01 55.2N	61 37 04.2W	460		Dongo Capesterre.
Deadman Bay	Alaska and Aleutians, USA	DMB	57 05 13.8N	153 57 37.8W	300		From 1975 X.
Deadman Peak	New Mexico, USA	DMPK	36 25 35N	106 46 32W	2664		From 1976 XI 22.
Dead Sea	Israel	DSI	31 34 12N	35 22 48E	200		Dead Sea−Mt Hatzatzon. Formerly Mitzpe
		DSI					Shalem, changed Jul 1990.
Dead Sea Dam 2	Israel	DSD2	31 10 48N	35 26 24E	−390		
Dease Lake	British Columbia, Canada	DLB	58 25 37.2N	130 03 39.6W	1210		
Dease Lake	British Columbia, Canada	DLBC	58 26 13.9N	130 01 37.9W	978		From 1994 IX 28.
Death Valley	California, USA	DV−	35 50 00N	116 06 06W	792		*Closed*. From 1962 I 20 to 1962 IV 23.
de Bilt	Netherlands	DBN	52 06 10N	5 10 36E	2		From 1908 VIII.
Debrecen	Hungary	DEB	47 33 40N	21 38 20E			*Closed*.
Deception Island	South Shetland Islands, Antarctica	DEC	62 59S	60 43W	7		*Closed*. Isla Decepción.
		DEC					
Deep Cove	South Island, New Zealand	DCZ	45 28 42S	167 09 15E	20		From 1991 V 28.
Deer Creek Res.	Utah, USA	DCU	40 24 49.2N	111 31 36.5W	1829		Deer Creek Reservoir. From 1974 XI.
Deer Island	Alaska and Aleutians, USA	DRIA	54 57 58.8N	162 15 46.6W	457		From 1996 VII.
Deer Island	Alaska and Aleutians, USA	DRRA	54 55 24.6N	162 16 59.4W	380		*Closed*.
Deer Lake	Newfoundland, Canada	DRLN	49 15 21.6N	57 30 15.1W	238		From 1993 XII 14.
Deerlick Creek	Alabama, USA	DLC	33 15 39.0N	87 26 41.4W	137		
Dehra Dun	Uttar Pradesh, India	DDI	30 19 21N	78 03 20E	682		
Dekalb	Illinois, USA	DEK	41 55 59.2N	88 45 54.0W	259		From 1987 I.
Delaikoro	Fiji	NDE	16 35 09.7S	179 19 03.4E	941		From 1981 XI.
Delamar Mts	Nevada, USA	DLM	37 36 21N	114 44 20W	1730		From 1978 VI 08.
Delary	Sweden	DEL	56 28 12N	13 52 12E	150		From 1969 X 25.
Delary	Sweden	DEL1	56 28 18N	13 52 06E	150		*Closed*. From 1967 VIII to 1969 X 24.
Delaware (Ont)	Ontario, Canada	DLA	42 51 30N	81 34 24W	227		From 1975 VI.
Delcommune	Zaïre	DCC	10 30 36S	25 27 18E	1437		*Closed*. N'Zilo.
Delhi	New York, USA	DH−	42 14 39N	74 53 18W	652		*Closed*. From 1961 X 28 to 1965 XI 15.
Delhi		NDI	*See* New Delhi				
Dell	Arkansas, USA	DLAR	35 48 34.9N	90 00 28.8W	67		
Delli Paoli	New York, USA	DPLY	41 15 10N	73 54 39W	67		
Dell Rapids	South Dakota, USA	DL−	43 49 58N	96 46 24W	488		*Closed*. From 1962 XII 28 to 1963 III 21.
Delmo Park	Montana, USA	DPM	45 58 08.4N	112 16 10.2W	1855		*Closed*. From 1984 to 1985 VII 22.
Delta Junction E	Alaska and Aleutians, USA	DJE	64 01 40.8N	145 40 45.0W	378		Delta Junction East. From 1990 VI 07.
Delta Microwave	Alaska and Aleutians, USA	DMW	64 03 22.8N	145 43 52.2W	346		From 1986.
Del Valle	California, USA	CDVM	37 33 58.8N	121 40 48.5W	250		*CL1* From 1979 X 10.
Demirköprü	Turkey	DKP	38 36 51N	28 18 46E	250		
Demirköy	Turkey	DMK	41 49 17.8N	27 45 26.1E	315		From 1970 VIII 01.
Demirtaş	Turkey	DMT	40 16 30.0N	29 05 49.9E	140		*Closed*. From 1978 VIII.
Demmitville	Missouri, USA	DMV	36 42 14.4N	89 44 42.0W	89		
Denali Highway	Alaska and Aleutians, USA	DHY	63 04 34.8N	147 22 24.0W	1615		From 1993 VII 06.
Denniston	South Island, New Zealand	DNS	41 44 17S	171 47 47E	600		*Closed*. From 1968 V 25 to 1968 VII 02.
Denniston North	South Island, New Zealand	DSZ	41 44 49S	171 48 09E	630		From 1990 II 19.
Denpasar	Bali, Indonesia	DNP	8 40 37.8S	115 12 36.6E	15		From 1968.
Dent	Idaho, USA	DEI	46 38 24N	116 11 57W	960		*Closed*. From 1971 X to 1974 VII 25.
Dent Fell	England, UK	XDE	54 30 21N	3 29 23W	291		From 1983 IV 15.
Denton	Texas, USA	DNT	33 13N	97 08W	208		*Closed*. From 1925.
Denver	Colorado, USA	DEN	39 47 30N	105 02 00W	1655		From 1909 VIII.
Denville	New Jersey, USA	DENJ	40 57 58.2N	74 27 51.0W	298		
Deposit	New York, USA	DP−	42 05 18N	75 27 08W	579		*Closed*. From 1962 VII 07 to 1962 VII 17.
Derazinda	Pakistan	DRP	31 44 38.4N	70 12 10.2E	638		
Derbent	Dagestanskaya ASSR, RF, CIS	DRN	42 00N	48 36E			
		DRN					
Derby	Colorado, USA	DER	39 52 04N	104 53 01W			*Closed*.
Derby	Vermont, USA	DVT	44 57 43.2N	72 10 15.2W	370		*Closed*.
Dersam	New York, USA	DNY	42 50 10.8N	78 10 07.8W	381		*Closed*. From 1971 VII to 1979 IV.
Desaguadero	Bolivia	DSG	16 33 34S	69 01 30W	3810		*Closed*.
Desert	Hawaii, Hawaiian Islands	DES	19 20 12N	155 23 18W	815		From 1958 VII.
Deserto Penisola Sorrentina		DPS	*See* Deserto P. S.				
Deserto P. S.	Italy	DPS	40 36 36.1N	14 21 54.2E	456		*DP1* Deserto Penisola Sorrentina Formerly
		DPS					DP1. From 1972 XII.
Desert Park	California, USA	DTP	35 16 03.0N	117 50 43.2W	951		Desert Tortoise Park.
Desert Springs	California, USA	DHS	33 58N	116 30W	330		*Closed*. Desert Hot Springs. From 1948 to 1949
		DHS					III.
Des Moines	Iowa, USA	DMI	41 36N	93 41W	296		*Closed*. From 1934 XII 20 to 1937 VI.
Deva	Romania	DEV	45 53 00N	22 54 12E	250		From 1970 II.
Devil Canyon	California, USA	DVL	34 11 59.4N	117 19 41.4W	598		*Closed*. From 1974 XII to 1976 XI.
Devil Mountain	Alaska and Aleutians, USA	DMA	66 18 36N	164 31 12W	243		From 1977 VIII.
Devils Point	Vanuatu (New Hebrides)	DVP	17 43 31.2S	168 11 13.2E			
Devrek	Turkey	DVR	41 09 34N	32 00 27E	960		Coordinates corrrected Oct 1994. From 1991.
Dezadeash Lake	Yukon Territory, Canada	DLY	60 22 12N	137 03 54W	738		*Closed*. From 1978 XI 20 to 1981 III 31.
Dhahran	Saudi Arabia	DHR	26 18 14N	50 08 20E	72		
Dhamar	Yemen	DHMR	14 33 40.2N	44 23 14.4E	2429		From 1994 VI.
Dharan Janob	Saudi Arabia	DHJN	17 39 36.0N	43 29 20.4E	2400		From 1990 VI 13.
Diablo Valley College		CNC	*See* Concord				
Diadem	South Island, New Zealand	DMP	44 24 51S	169 49 38E	820		*Closed*. From 1975 VI 01 to 1983 XI 21.
Diamond Head	Hawaii, Hawaiian Islands	DHH	21 16 07N	157 48 15W	137		Correction to coordinates Apr 1992. From 1985
		DHH					V.
Diamond Ranch	California, USA	DIR	36 20 10.8N	120 22 34.8W	496		*Closed*. From 1973 XI 07 to 1975 VI 16.
Dickey	Maine, USA	D1A	47 03 31N	69 05 56W	305		*Closed*. From 1976 X to 1999 I.
Dickey	Maine, USA	D2A	47 07 49N	69 09 01W	402		*Closed*. Kelly Mountain. From 1976 X.
Dickey	Maine, USA	D3A	47 05 15N	69 10 01W	259		*Closed*. Carter Brook. From 1976 X.
Dickey	Maine, USA	D4A	47 11 17.2N	69 16 36.1W	490		*Closed*. Rocky Mountain.
Dickey	Maine, USA	D5A	47 00 40.7N	69 15 54.0W	365		*Closed*. Browns Brook.
Dickey	Maine, USA	D6A	47 05 20.4N	69 29 44.5W	430		*Closed*. Two Mile Stream.
Dickinson Coll.	Pennsylvania, USA	DCP	40 12 14.4N	77 11 49.2W	143		Dickinson College. From 1990 I 14.
Dienbien	Vietnam	DBV	21 23 24N	103 01 30E	1050		
Dieng	Jawa, Indonesia	DIE					*Closed*.
Digger Butte	California, USA	LDBM	40 25 54.0N	121 47 04.8W	1225		
Dilar	Spain	DILR	37 02 34.8N	3 37 07.8W	1100		
Diliman		MAN	*See* Manila (W)				
Dillon	Montana, USA	DI−	45 10 25N	112 26 52W	1859		*Closed*. From 1966 V 23 to 1966 V 24.
Dillon Ranch	California, USA	DIL	36 50 07.2N	121 38 38.4W	204		*AN5***HDLM* Anzar Res 6. From 1967 VIII 09.
Dimbokro	Ivory Coast	DBIC	6 40 12.3N	4 51 22.7W	25		
Dimitrovgrad	Bulgaria	DIM	42 03 00.0N	25 31 59.9E	160		Position corrected Oct 1988.
Dipolog	Mindanao, Philippines	DIP	8 36N	123 21E	3		*Closed*. From 1972 to 1972 X.
Disk Island	Alaska and Aleutians, USA	DSK	60 30 07.2N	147 38 48.6W	15		*Closed*. From 1974 VII 27 to 1975 X 18.
Disney	Florida, USA	DWPF	28 06 37.1N	81 25 58.1W	−142		Disney Wilderness Preserve.
Divide	Alaska and Aleutians, USA	DIV	61 07 46.2N	145 46 18.1W	931		
Dixie Hot Springs	Nevada, USA	DIXR	39 48 07.9N	118 04 55.2W	1143		REN code DIX. From 1980 I.
Diyarbakir	Turkey	DIY	37 54 30.6N	40 13 40.8E	900		From 1994 I 06.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Djajapura		JAY	*See* Jayapura				
Djergetal		DZT	*See* Dzhirgatal'				
Dobrina	Slovenia	DOBS	46 08 58.1N	15 28 08.9E	425		From 1996 XII.
Dobrovo	Slovenia	DBY	45 59 56.4N	13 31 40.8E	100		*Closed*. From 1989 VIII 14 to 1989 VIII 17.
Dobruška−Polom	Czech Republic	DPC	50 21 29.9N	16 24 40.0E	760		
Dochfour	Scotland, UK	MDO	57 26 27.6N	4 21 46.8W	366		From 1981.
Dochia	Romania	DOC	46 54 25N	26 33 00E	330		*Closed*. From 1984 to 1988 VIII 15.
Docker River	Western Australia, Australia	DOCK	24 54 00S	129 06 00E			Relocation of WARB.
Dodaira	Saitama, Honshū, Japan	DDR	35 59 54.0N	139 11 36.2E	800		From 1966IV.
Dodoma	Tanzania	DOD	6 12 30S	35 45 20E	1204		
Dodson Butte	Oregon, USA	DBO	43 07 09N	123 14 34W	984		From 1990 VIII.
Dogwood	Missouri, USA	DWM	36 48 18N	89 29 24W	92		From 1974 XI 20.
Dolgoi Island	Alaska and Aleutians, USA	DLG	55 08 27.6N	161 50 09.0W	367		*Closed*.
Dolgoi Island	Alaska and Aleutians, USA	DOL	55 08 54.5N	161 51 49.1W	442		From 1996 VII.
Domengine	California, USA	PDRM	36 20 08.4N	120 22 07.2W	488		Domengine Ranch.
Domenigoni Res.	California, USA	DGR	33 39 00N	117 00 32W	700		Domenigoni Valley Reservoir. From 1993 III 17.
Dome Shelter	North Island, New Zealand	DRZ	39 16 35S	175 33 49E	2600		From 1984 IV.
Dominica	Dominica, WIAS	DOM	15 17 45.6N	61 23 27.6W	15		From 1953 II 03.
Domo	Ecuador	DOMO	0 18 12N	78 21 33W	3600		*Closed*. From 1994 IV to 1994 VIII.
Domodossola	Italy	DMD	46 07N	8 18E	280		*Closed*.
Dompierre	Nord-Pas-de-Calais, France	DOMF	50 07 43.7N	3 51 39.6E	145		Dompierre−sur−Helpe.
Dongola	Missouri, USA	DON	37 10 33.6N	89 55 58.8W	165		From 1974 VII 10.
Donnelly Dome	Alaska and Aleutians, USA	DDM	63 47 13.8N	145 51 48.0W	920		Correction to longitude Jan 1991. Reopened
		DDM					1987−. From 1977 IX.
Don Santos	California, USA	CDSM	37 57 58.7N	122 15 10.1W	109		Don Santos Ranch. From 1973 XI 15.
Doolan Road	California, USA	DOO	37 43 48.0N	121 50 07.2W	198		*CDOM* From 1970 VII 29.
Doongara	Queensland, Australia	DNGQ	20 33 18S	146 28 30E	280		From 1984 II 29.
Dorchester	South Carolina, USA	DRC	33 06 28.2N	80 23 18.6W	20		
Dorot	Israel	DOR	31 30 32.4N	34 41 09.6E	130		*Closed*.
Dorpat, Jurjew		TTU	*See* Tartu				
Dos Bocas Dam	Puerto Rico	DOS	18 19 46N	66 40 44W	400		*Closed*. From 1974 VIII 16 to 1975 VII 17.
Dosso d. Sommo	Italy	DDS	45 52 48N	11 11 18E	1670		Dosso del Sommo. From 1981 VI 15.
Dot Lake	Alaska and Aleutians, USA	DOT	63 38 55.2N	144 03 45.0W	671		From 1986.
Double Butte	California, USA	DB2	33 44 06.0N	117 03 43.2W	625		
Double Mt.	California, USA	DBM	34 58 44.4N	118 21 37.8W	1204		
Dourbes	Belgium	DOU	50 05 45.7N	4 35 39.2E	225		*NE06* NE06. From 1982 VII.
Downie Pk Ridge	British Columbia, Canada	DPRB	51 34 30N	118 11 48W	2135		*Closed*. Downie Peak Ridge. University of British
		DPRB					Columbia.
Downie Slide	British Columbia, Canada	DOWB	51 31 06.0N	118 30 58.2W	594		*Closed*. University of British Columbia (DOW).
		DOWB					Formerly Vancouver.
Downsview	Ontario, Canada	DVO	43 47N	79 31W	193		Downsview (York University). From 1975 VIII 01.
Doyle Hill	New York, USA	DHN	42 49 31.8N	78 11 34.8W	491		To 1976 VI from 1979 VII.
Drăgan	Romania	DRR	46 47 13N	22 43 19E	955		From 1979.
Drăgăşani	Romania	DRA	44 40 43N	24 15 22E	180		From 1978.
Dragot	Israel	DRGI	31 35 24N	35 24 00E	10		
Drenchia	Italy	DRE	46 10 24N	13 38 36E	810		From 1982 XII 20.
Drift River	Alaska and Aleutians, USA	DFR	60 35 31.2N	152 41 10.2W	1097		From 1988 VIII 15.
Drumtochty	Scotland, UK	EDR	56 55 06.2N	2 32 25.4W	388		From 1989 I 12.
Dry Creek	Idaho, USA	DCI	43 57 17.4N	111 05 45.0W	2020		*Closed*. From 1974 VI to 1980 VII 24.
Dry Creek	California, USA	GDCM	38 46 01.9N	123 14 22.2W	772		From 1975 V 07.
Dry Ridge	Kentucky, USA	DY−	38 38 59N	84 38 36W	259		*Closed*.
Drytown Water	California, USA	ADWM	38 26 21.1N	120 50 53.5W	251		Drytown Water District. From 1976 VII 21.
Dry Willow Peak	Utah, USA	DWU	38 06 19.2N	112 59 51.0W	2270		
Dublin	Ireland	DSB	53 14 42N	6 22 34W	236		From 1993 XII.
Dublin		DUB	*See* Rathfarnham				
Dublin Merrion	Ireland	DMS	53 20 26N	6 14 55W	5		Dublin Merrion Square. From 1990 XI.
Dubrovnik	Croatia	DBR	42 38N	18 07E	20		*Closed*.
Dubuque	Iowa, USA	DBQ	42 30 24N	90 41 00W	244		From 1962.
Ducktown	Tennessee, USA	DCT	35 03 15.1N	84 25 09.8W	508		
Dugway	Utah, USA	DUG	40 11 42N	112 48 48W	1477	WWSSN	From 1962 V 09.
Duke of York I.	New Britain	DOY	4 13 01.2S	152 23 52.8E	1		From 1983 XI 17.
Dulce	New Mexico, USA	DNM	36 56 00N	106 59 45W			*Closed*.
Duluth	Minnesota, USA	DUL	46 49 12N	92 05 00W	340		*Closed*. From 1952 to 1961.
Dumont d'Urville	Terre Adélie, Antarctica	DRV	66 39 54S	140 00 31E	40		Adélie, Pointe Géologie.
Dundee	Scotland, UK	EDU	56 32 51N	3 00 51W	275		From 1969.
Dunderburg Mt.	New York, USA	DBMY	41 17 40N	73 58 30W	27		
Dundo	Angola	DUN	7 24 31.8S	20 50 13.8E	709		From 1970 III.
Dunedin	South Island, New Zealand	DNZ	45 51 59S	170 30 54E	15		From 1979 XI 05.
Dunedin−Penfold	South Island, New Zealand	DND	45 53 00S	170 31 54E	100		*Closed*. From 1945 to 1983 X.
Dunnigan Hills	California, USA	NDHM	38 45 55.8N	121 54 45.0W	69		MNLO code NDH.
Dunn Peak	Idaho, USA	DPI	47 17 19.2N	116 53 55.8W	1709		
Dunsink Obs.	Ireland	DDK	53 23 13N	6 20 21W	85		From 1977 IV.
Durağan	Turkey	DGT	41 25 32.9N	35 03 55.8E	255		From 1976 IX.
Durango	Colorado, USA	DGC	37 15 45N	107 53 56W	2340		*Closed*. From 1970 to 1972 XI.
Durango	Colorado, USA	DR−	37 27 53N	107 47 00W	2225		*Closed*. From 1961 X 01 to 1964 XII 30.
Durant	Oklahoma, USA	DU−	34 02 11N	96 13 04W	198		*Closed*. From 1963 VIII 14 to 1964 III 09.
Durate Ranch	California, USA	DUC	38 01 46.8N	122 00 03.0W	168		*CDUM* From 1971 IV 28.
Durham	England, UK	DUR	54 46 06.2N	1 35 06.0W	103		
Durham (NH)	New Hampshire, USA	DNH	43 07 21.0N	70 53 41.3W	24		From 1976 I.
Duronia	Italy	DUI	41 39 30N	14 27 40E	918		
Dursunbey	Turkey	DRB	39 34 51.8N	28 38 14.7E	620		*Closed*. Moved to 39:36:19.8N 28:37:40.7E
		DRB					685m. Code DST. From 1970 VIII 01 to 1975 X 22.
Dursunbey	Turkey	DST	39 36 19.8N	28 37 40.7E	685		Moved from 39:34:51.8N 28:38:14.7E 620m.
		DST					Code DRB. From 1975 X 22.
D'Urville Island	South Island, New Zealand	DIW	40 48 07.8S	173 55 19.2E	460		From 1990 VI.
Dushanbe	Tadzhikistan, CIS	DSH	38 33 30N	68 46 30E	847		Duzhambe, Stalinabad Dushambe.
Dusheti	Gruziya, CIS	DUS	42 05N	44 42E	700		
Dusing	New York, USA	DSN	42 50 39.6N	78 10 49.2W	412		*Closed*. From 1971 VII to 1976 I 16.
Dutch Harbor	Alaska and Aleutians, USA	DHA	53 53 42N	166 32 00W			*Closed*.
Dutch Harbor	Alaska and Aleutians, USA	DUT	53 53 54N	166 32 12W	60		
Dutton	Alaska and Aleutians, USA	DT1	55 06 27N	162 16 51W	210		Dutton Round Hill. From 1996 VIII.
Dutton	Alaska and Aleutians, USA	DTNA	55 08 57.6N	162 15 07.2W	366		Dutton South Flank. From 1996 VIII.
Duxbury	Massachusetts, USA	DUX	42 04 07N	70 46 04W	27		From 1976 X.
Duzhambe, Stalinabad		DSH	*See* Dushanbe				
Dwight	Nebraska, USA	DTN	41 01 18N	97 02 09W	464		From 1980 VIII 25.
Dyer Hill	Washington, USA	DHW	47 57 37.8N	119 46 09.6W	850		From 1975 VI.
Dyer Hill 2	Washington, USA	DHW2	47 59 06.9N	119 46 13.0W	884		
Dyersburg	Tennessee, USA	DRTN	36 08 13.2N	89 21 54.0W	137		From 1989 VIII 08.
Dyersburg	Tennessee, USA	DY1	36 11 30N	89 23 30W	120		*Closed*. From 1969 to 1970.
Dzhafr	Tadzhikistan, CIS	DZH	39 06N	70 35E			*Closed*.
Dzherino	Tadzhikistan, CIS	DZE	38 42N	68 30E			Location uncertain.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Dzhirgatal'	Tadzhikistan, CIS	DZT	39 13N	71 14E			*Closed*. Djergetal Dzhergetal.
Dzhizak	Uzbekistan, CIS	DZI	40 06N	67 48E			
Eagle	Colorado, USA	EGC	39 39 09N	106 49 41W	2010		*Closed*. From 1970 to 1972 XI.
Eagle Butte	South Dakota, USA	EBS	44 59 59.3N	101 13 55.8W	735		From 1972 V.
Eagle Flat	Texas, USA	EF−	31 10 35N	105 07 48W	1433		*Closed*. From 1962 I 25 to 1962 V 03.
Eagle Mountain	California, USA	EAG	33 50 56.4N	115 28 23.4W	366		From 1974 XI.
Eagle Mountain	Texas, USA	MT2	30 53 56.4N	105 04 48.0W	2088		From 1977 III.
Eagle's Nest	New York, USA	EGN	43 51 34.2N	74 28 54.6W	549		*Closed*. From 1971 IX to 1983 X.
E Anglia Univ.	England, UK	AEU	52 37 12.4N	1 14 04.9E	15		East Anglia University.
Ear Mt.	Alaska and Aleutians, USA	EAM	65 55 09.6N	166 14 30.0W	700		
Earthquake Lake	Montana, USA	QLMT	44 49 54N	111 25 39W	2012		From 1994 IX 09.
East Aurora	New York, USA	EAN	42 46 07N	78 37 09W	282		*Closed*.
Eastbourne	England, UK	TEB	50 49 07.7N	0 08 45.2E	70		From 1989.
East Braintree	Manitoba, Canada	EB−	49 37 40N	95 37 20W	312		*Closed*. From 1963 VIII 06 to 1964 VIII 12.
East Canyon	California, USA	EWC	33 56 14.4N	116 22 51.6W	512		East Wide Canyon.
East Cape	North Island, New Zealand	ECZ	37 41 37S	178 32 46E	40		*Closed*. From 1934 X to 1937 from 1964 to 1985 VII 26.
		ECZ					
East Claridon	Ohio, USA	CECL	41 32 49.2N	81 06 07.2W	362		*Closed*. To 1992 VI 15.
East Dome	Washington, USA	ESD	46 11 50.4N	122 09 00.0W	1609		
Easter Island	Easter Island	EIC	27 09 29S	109 26 04W	42		Replaces Isla de Pascua *PSC*.
East Falkland Is	Falkland Islands	EFI	51 40 31.1S	58 03 49.3W	30		Coordinates corrected Sep 1997.
East Lansing	Michigan, USA	LNSM	42 43 51.6N	84 28 37.2W	256		
East Machias	Maine, USA	EMM	44 44 21N	67 29 22W	20		*Closed*. Maine Technology. To 1967 IX from 1975 V to 1999 I.
		EMM					
East Machias	Maine, USA	EMMT	44 47 00N	67 21 12W	33		*Closed*. East Machias (Camp Technology). From 1932 VII to 1940.
		EMMT					
E. Mammoth Hills	California, USA	MEMM	37 39 58.8N	118 56 21.0W			East Mammoth Hills.
East Mesa	California, USA	EMSC	32 44 28.8N	114 59 16.2W	47		
East Promontory	Utah, USA	EPU	41 23 29.4N	112 24 31.8W	1436		From 1975 IX.
East Ridge	Montana, USA	ERMT	45 59 35.4N	112 27 22.2W	1928		*Closed*. From 1984 to 1987 X 01.
East Ridge	Maine, USA	PQ1	44 54 12.6N	67 19 37.6W	93		*Closed*. To 1999 I.
Eatonton	Georgia, USA	ETG	33 17 28.3N	83 21 02.5W	137		From 1978 II.
E Barbuda OBS	Barbuda, WIAS	O6A	17 47 31.2N	61 01 19.2W	−496		East Barbuda Ocean Bottom Seismometer.
Ebenezer	Tennessee, USA	EBZ	35 08 27.6N	89 21 03.6W	169		Ebenezer Church. From 1980 V 15.
Ebingen		MSS	*See* Messtetten				
Ebro Roquetas	Spain	EBR	40 49 14N	0 29 37E	50		Tarragona, Tortosa.
Echery	Alsace, France	ECH	48 12 57N	7 09 30E	580		Sainte−Marie−aux−Mines. From 1967 X 31.
Echo Falls	California, USA	ECF	34 27 28.8N	119 05 26.5W	1000		From 1975 XI.
Echo Peak	Nevada, USA	EPM	37 13 34.2N	116 20 04.8W	2408		From 1990 IX 18.
Ecuador	Ecuador	ANGL	0 23 34.4S	77 32 39.8W	3360		From 1990 VIII.
Ecuador Network	Ecuador	AECU	0 16 13.8S	78 24 25.2W	3000		*Closed*.
Ecuador Network	Ecuador	BECU	0 28 28.8S	78 35 46.2W	3320		*Closed*.
Ecuador Network	Ecuador	CECU	0 28 34.2S	77 52 13.2W	2220		*Closed*.
Ecuador Network	Ecuador	GECU	0 19 01.8S	78 11 22.8W	4350		*Closed*. To 1988 IX.
Ecuador Network	Ecuador	IECU	0 28 30S	78 18 24W	3720		*Closed*.
Ecuador Network	Ecuador	MECU	0 32 15S	78 14 39W	4090		*Closed*.
Ecuador Network	Ecuador	PECU	0 23 42S	78 36 09W	3550		*Closed*.
Ecuador Network	Ecuador	RECU	0 38 22.2S	78 24 02.4W	4060		Alternate abbreviation for VC1.
Eden	Ecuador	EDEN	0 02 12.0S	78 31 16.2W	3270		
Edge Oya	Svalbard	EO1	77 39 30N	21 13 00E	4		From 1977.
Edgewood	Michigan, USA	ED−	43 15 20N	84 24 41W	213		*Closed*. From 1965 XII 02 to 1965 XII 13.
Edinburgh	Scotland, UK	EDI	55 55 24N	3 11 10W	125		
Edincik	Turkey	EDC	40 20 48.6N	27 51 48.4E	270		*EDT* From 1972 XII 03.
Edith	Tennessee, USA	EDIT	35 51 46.8N	89 33 15.5W	148		
Edmonton	Alberta, Canada	EDM	53 13 18N	113 21 00W	730		From 1963 IV.
Edmundston	New Brunswick, Canada	EBN	47 32 24.0N	68 14 27.6W	189		From 1981 X 28.
Effingham	Ontario, Canada	EFO	43 05 30.1N	79 18 42.1W	168		From 1979 VII 06.
Egilsstadhir	Iceland	EGI	65 17N	14 23W	25		
Eielson Array	Alaska and Aleutians, USA	IL1	64 46 17.8N	146 53 10.0W	418		From 1993 VII.
Eielson Array	Alaska and Aleutians, USA	ILAR	64 46 17.0N	146 53 11.8W	419		Eielson Array Beam Reference Point.
Eielson Array	Alaska and Aleutians, USA	NPO	64 46 17.0N	146 53 11.4W	419		Eielson Array Beam Reference Point (North Pole).
		NPO					
Eielson Array BB	Alaska and Aleutians, USA	ILB	64 46 17.0N	146 53 11.8W	419		Eielson Array Broadband. From 1993 VII.
Eigenji	Shiga, Honshū, Japan	JEG	35 08 03.6N	136 23 15.6E	433		From 1996.
Eightmile Canyon	Idaho, USA	EMI	44 04 27.0N	112 55 34.2W	1963		From 1992.
Eilat		EIL	*See* Elat				
Ein Gedi	Israel	ENGI	31 28 12.0N	35 23 49.2E	−300		
Eisghbrachaidh	Scotland, UK	REB	58 07 07.7N	5 16 55.9W	100		From 1995 IX 10.
Ekaterinberg		SVE	*See* Sverdlovsk				
Ekona	Cameroon	EKC	4 12 36N	9 19 37E	450		From 1984 XII 01.
El Abra	Veracruz, México	ABR	19 48 25.2N	96 32 04.2W	520		
El 'Aiyât	Egypt	AUT	29 39 57.6N	31 10 48.0E			
El Ángel	El Salvador	ANGS	13 48 00N	89 11 30W	850		From 1991 XII.
Elat	Israel	EIL	29 40 11.6N	34 57 04.3E	210		Eilat Coordinates corrected Sept 1998. To 1981.
Elaudy	Aquitaine, France	ELYF	43 10 12N	0 59 30W	700		From 1985 II.
Elâziğ	Turkey	ELA	38 41N	39 14E			*Closed*.
Elâziğ	Turkey	ELZ	38 41 22N	39 12 23E	1180		*Closed*. From 1973 IX 17 to 1974 V.
El Cajon	California, USA	ECA	32 48N	116 57W	135		*Closed*. From 1949.
El Canelo	O'Higgins, Chile	CACH	34 07 01S	70 36 00W	1300		From 1990 XI 06.
El Cayaco	Guerrero, México	CAIG	17 02 52.1N	100 16 02.3W	80		Coordinates corrected Mar 1999.
El Centro	California, USA	ECC	32 47 54N	115 32 54W	−15		*Closed*. From 1956 XI 28 to 1970 IX 30.
El Centro	Colombia	ETC	6 51 45N	73 46 10W	140		From 1975 I 31.
El Chinero	Baja California, México	ECBX	31 28 19.2N	115 03 04.2W	40		From 1983 V 17.
Elco	Illinois, USA	ELC	37 17 06.0N	89 13 37.2W	153		From 1974 VII 19.
Eldee	Ontario, Canada	EEO	46 38 28.0N	79 04 23.9W	398		From 1984 III 04.
Eldivan	Turkey	ELDT	40 29 24N	33 25 37E	1596		From 1992 VII.
El Dorado	Kansas, USA	EDK	37 46 25.8N	96 47 42.0W	418		From 1978 IV 17.
Eldorado Mts	Nevada, USA	EMN	35 55 17.9N	114 45 15.2W	789		Eldorado Mountains. From 1988 VIII 11.
El Faro	El Salvador	LFRS	13 37 24N	89 03 42W	1000		From 1991 XII.
Elginfield	Ontario, Canada	ELF	43 11 36N	81 18 54W	320		From 1975 VI.
El Golfo de Santa Clara		EGM	*See* G Santa Clara				
El Granada	California, USA	JEGM	37 30 50.4N	122 27 44.3W	202		From 1975 II 10.
El Hato	Venezuela	EHV	8 48 23N	70 51 53W	3700		Llano el Hato. From 1974.
El Hierro	Canary Islands	CHIE	27 43 37.2N	17 57 38.5W	170		El Hierro Las Playas. From 1989 VI.
El Hobo	Colombia	HOBC	4 21 17.4N	76 08 07.8W	1180		From 1987.
Elizabethville	Zaïre	ELI	11 39S	27 28E	1245		*Closed*. Karavia, Lubumbashi.
Eliza Dome	British Columbia, Canada	EDB	49 52 25.3N	127 07 11.3W	189		
Elizondo	Spain	ELIZ	43 09 50.2N	1 31 42.6W	523		From 1992 XII 03.
Elk Butte	Idaho, USA	EBI	46 50 15N	116 07 06W	1765		From 1987.
Elk Chute Ditch	Missouri, USA	ECD	36 03 36N	89 56 24W	79		*Closed*. From 1975 IX 25 to 1992 II.
Elkhorn Ranch	California, USA	EKH	36 39 52.8N	121 10 27.0W	342		*BEHM* From 1971 II 01.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Elkhorn Road	California, USA	HERM	36 47 54.0N	121 42 38.4W	69		
Elko	Nevada, USA	EKO	40 48 43.8N	115 46 34.3W	1615		From 1969 XI 12.
Elko	Nevada, USA	ELK	40 44 41.4N	115 14 19.6W	2210		From 1968 XI.
Elk River	California, USA	EKR	40 41 43.2N	124 08 22.2W	49		From 1974 VI 20.
Elk Rock	Washington, USA	ERK	46 18 20N	122 20 27W	1270		
El Ksiba	Morocco	KIB	32 34 34N	6 02 20W	935		
Ellensburg	Washington, USA	EBG	46 54 35N	120 34 06W	805		
Ellensburg	Washington, USA	EL−	46 55 27N	120 43 48W	975		*Closed*. From 1962 V 28 to 1962 VI 28.
Ellenville	New York, USA	ELNV	41 30 00.0N	74 26 23.4W	323		
Ellicott	California, USA	JELM	36 55 38.4N	121 49 36.6W	85		
Ellicott City	Maryland, USA	ECM	39 15 40.7N	76 53 03.1W	140		
El Lisan	Jordan	LISJ	31 14 24.0N	35 28 51.6E	−327		From 1990 II 23.
Ellisras	Transvaal, South Africa	ERS	23 40 53.6S	27 43 23.8E	840		From 1994 VII.
Elliston	Montana, USA	ELMT	46 31 19.8N	112 20 40.2W	1981		From 1996 VIII 31.
El Llanito	Venezuela	LLAV	10 28 30.0N	66 48 28.8W	907		From 1988.
Ellsinore	Missouri, USA	EN−	36 52 58N	90 35 44W	152		*Closed*. From 1965 X 25 to 1966 II 25.
Ellsworth	Connecticut, USA	ECT	41 50 04.7N	73 24 40.8W	342		*Closed*. From 1976 I 28.
Elm	Alabama, USA	EMA	33 13 15.6N	87 28 25.8W	92		From 1971 I 09.
Elma	New York, USA	ELM	42 50 58.8N	78 38 39.0W	216		*Closed*. From 1971 VII to 1976 VII 28.
Elmali	Turkey	ELL	36 44 53.7N	29 54 30.5E	1230		From 1973 XI 29.
El Maslubiya	Jordan	MASJ	31 43 44.4N	35 43 06E	822		From 1983 IX.
El Mayor	Baja California, México	EMX	31 59 18.0N	115 14 32.4W	10		From 1981 X 19.
Elmendorf Base	Alaska and Aleutians, USA	EAFB	61 14 00.6N	149 46 18.6W	61		Elmendorf Air Force Base. From 1994 VI 24.
El Mirage	California, USA	ELMC	34 31 34.2N	117 38 24.5W	986		
Elmore Ranch	California, USA	ELRC	33 08 50.4N	115 49 57.0W	−63		
El Pangue	Valparaíso, Chile	ELP	33 15 27.5S	71 12 18.0W	680		From 1973.
El Paso	Texas, USA	EP−	31 55 58N	105 58 00W	1615		*Closed*. From 1962 I 15 to 1962 V 04.
El Paso	Texas, USA	EPT	31 46 18N	106 30 21W	1186		From 1961 II.
El Pino	México D.F., México	IIP	19 20 49.0N	98 55 04.8W	2650		
El Prado	Venezuela	PRAV	9 13 58.8N	70 51 03.6W			
El Quisco	Valparaíso, Chile	ELQ	33 23 43S	71 41 20W	50		*Closed*. From 1973 to 1975 III 28.
El Roble	Santiago, Chile	ROCH	32 58 18.7S	71 00 40.0W	2000		From 1981 XII 04.
El Rosal	Colombia	ROSC	4 51 22.8N	74 19 48.4W	3017		From 1994.
El Salvador	Atacama, Chile	ESC	26 13 48S	69 30 36W	4700		*Closed*.
El Segundo	California, USA	ESGS	33 54 58.8N	118 25 11.4W	−100		From 1982 IV.
Elsinore Mt.	California, USA	ELS	33 38 52.2N	117 25 37.8W	853		
El Tejon	California, USA	TEJ	35 13 47.4N	118 41 22.2W	634		
El Tigre	Venezuela	TGRV	8 50 02.4N	64 10 05.9W	293		From 1992 XI.
El Tocuyo	Venezuela	TOV	9 47 33.0N	69 47 33.3W	650		RESVAC code RTOV. Coordinates corrected
		TOV					Mar 1999.
Eltopia	Washington, USA	ET2	46 32 06.0N	118 57 01.2W	330		From 1989 IV 05.
Eltopia	Washington, USA	ET3	46 34 37.0N	118 56 11.0W	305		From 1990 IX 12.
Eltopia	Washington, USA	ETP	46 27 53.3N	119 03 32.4W	219		From 1969 III.
Eltsovka		ELT	*See* Yel'tsovka				
Elvey	Alaska and Aleutians, USA	ELV	64 51 37N	147 50 55W	180		*Closed*. From 1971 VIII to 1972 VIII.
El Vigía	Veracruz, México	EVV	18 27 23.4N	95 20 57.6W			From 1988.
El Vigia	Venezuela	VIGV	8 34 07.0N	71 45 34.2W			
Ely	Nevada, USA	ELY	39 07 52.8N	114 53 31.2W	2011		*Closed*. To 1970 VI 22.
Ely	Nevada, USA	EY−	39 24 36N	115 18 46W	2012		*Closed*. From 1963 IV 21 to 1963 VI 10.
Ely	Nevada, USA	EY2	39 25 53N	115 19 04W	2012		From 1966 III 01 to 1966 III 12.
Ely	Minnesota, USA	EYMN	47 56 46.3N	91 29 42.0W	475		From 1994 IX 26.
El Yunque	Puerto Rico	EYP	18 18 45.8N	65 47 28.0W	1060		*Closed*. From 1975 VII 30 to 1976 VIII 09.
Emae	Vanuatu (New Hebrides)	EME	17 05 27.0S	168 21 04.2E			
Emma Park	Utah, USA	EMUT	39 48 50.4N	110 48 55.2W	2268		
Emmet	California, USA	EMT	36 39 40.8N	121 05 45.6W	488		*BEMM* From 1970 VIII 14.
Emosson	Switzerland	EMO	46 02 53.4N	6 57 43.2E	1800		*Closed*. From 1973 IX to 1980.
Emosson−Mur	Switzerland	EMS	46 04 12.0N	6 55 51.6E	1800		From 1981.
Empire Grade Rd	California, USA	EGR	37 02 06.6N	122 06 15.0W	442		*LT11**Closed*. Empire Grade Road. From 1969 III
		EGR					04 to 1976 IV.
Emporia	Kansas, USA	EM−	38 31 29N	96 28 22W	411		*Closed*. From 1965 IX 14 to 1965 IX 16.
Emporia	Kansas, USA	EMK	38 26 47.4N	96 19 01.8W	370		From 1977 VIII 15.
Endilloe	South Australia, Australia	EDO	32 19 18S	138 02 54E	300		Correction to longitude Jul 1996. From 1977.
Engineer Hill	Alaska and Aleutians, USA	ENG	64 44 06.7N	147 02 45.6W	220		*Closed*. From 1971 IX 07 to 1976 VI.
Engine Test	Nevada, USA	ETS	36 49 57N	116 18 31W	1158		*Closed*. Engine Test Stand. From 1965 to 1970.
Eniwetok	Marshall Islands	EW−	11 23 50N	162 22 31E	3		*Closed*. From 1963 VI 28 to 1963 IX 13.
Eniwo	Ishikari, Hokkaidō, Japan	JEW	42 50 24.6N	141 26 59.4E	185		From 1995II.
Ens	Midi-Pyrénées, France	ENSF	42 48 28.1N	0 20 18.6E	1270		*Closed*. Station closed and moved to RESF. To
		ENSF					1998 IX 01.
Ens	Midi-Pyrénées, France	RESF	42 48 27.6N	0 02 18.6E	1270		
Ensenada	Baja California, México	ECX	31 52 08.4N	116 39 37.8W			Ensenada − CICESE.
Ensenada	Baja California, México	ENX	31 52 58.2N	116 39 52.2W	225		From 1981 VIII 03.
Enshi	Hubei (Hupeh), China	ENH	30 16 18.5N	109 29 12.5E	487		From 1986.
Entebbe	Uganda	ENT	0 03 32N	32 28 24E	1175		Opened 1924, reactivated 1991.
Entiat	Washington, USA	ETW	47 36 16.2N	120 19 51.6W	1475		From 1986 X.
Entracque	Italy	ENR	44 13 35.8N	7 25 13.1E	1040		
E Paranagat Ra.	Nevada, USA	EPR	37 10 07N	115 11 11W	1300		East Paranagat Range. From 1979 I 23.
Epen	Netherlands	ENN	50 46 02N	5 55 24E	120		*Closed*. From 1981 I 01 to 1996 II 27.
Ephrata	Washington, USA	EPH	47 21 12.8N	119 35 46.2W	628		From 1983 III.
Ephrata	Washington, USA	EPW	47 21 07.8N	119 35 46.2W	628		From 1975 VI.
Epi	Vanuatu (New Hebrides)	EPI	16 41 42.0S	168 06 58.2E			Name unconfirmed.
Erciyes	Turkey	ERCT	38 36 11N	35 20 51E	1915		
Erdek	Turkey	ERD	40 24N	27 48E			*Closed*. From 1970 to 1972.
Erevan		ERE	*See* Yerevan				
Erewhon	South Island, New Zealand	EWZ	43 30 42S	170 51 09E	650		From 1991 III 21.
Erice	Sicily, Italy	ERC	38 02 09.6N	12 35 20.4E	730		*ER1* Formerly ER1. From 1978 II.
Erie	Pennsylvania, USA	ERP	42 08N	79 59W			
Erimo	Hidaka, Hokkaidō, Japan	ERM	42 00 57N	143 09 41E	40		From 1976VII 01.
Erimo	Hidaka, Hokkaidō, Japan	JEM	42 00 57.0N	143 09 26.4E	40		
Erithrai	Greece	VTH	38 12 02N	23 21 36E	756		From 1982 X.
Ernestine	Alaska and Aleutians, USA	ERN	61 26 39N	145 06 44W	570		*Closed*. From 1971 IX 16 to 1973 VIII 29.
Ernies Place	California, USA	ERPC	32 44 36.6N	115 39 45.6W	−9		
Err	Morocco	ERR	32 22 48.0N	6 19 22.8W			From 1995 XII 16.
Errachidia	Morocco	ZFT	32 02 02N	4 21 07W	1800		From 1993.
Er Rumman	Jordan	RUMJ	32 10 55.2N	35 49 39E	445		Moved from 32:14:8N 36:49E (ARTJ) 1987:02:23.
		RUMJ					From 1983 IX.
Erto−Casso	Italy	ERT	46 16 36N	12 22 36E	775		*Closed*. From 1982 XI 24 to 1988 I 01.
Erzin	Tuvinskaya ASSR, RF, CIS	ERNS	50 18N	95 12E			
Erzincan	Turkey	EZC	39 44 24N	39 49 00E	1500		From 1993 VIII 27.
Erzurum	Turkey	ERZ	39 54 54N	41 16 36E	1850		*Closed*. From 1966 VIII 06 to 1982 II.
Erzurum	Turkey	ERZT	39 54 24.1N	41 15 11.9E	1955		*Closed*.
Esa−ala	D'Entrecasteaux Islands	ESA	9 44 18.2S	150 48 50.7E	46		From 1965.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Esa−ala	D'Entrecasteaux Islands	ESB	9 41 12S	150 54 10E	60		From 1974.
Esan	Ō shima, Hokkaidō, Japan	ESH	41 53 03.2N	141 00 40.3E	40		From 1976VII 01.
Escape Road	Hawaii, Hawaiian Islands	ESR	19 24 40.8N	155 14 19.8W	1177		From 1971 IX.
Escot	Aquitaine, France	ESCF	43 04 42.6N	0 34 28.9W	570		
Escuela Geología	Costa Rica	SJS	9 56 20.4N	84 03 14.4W	1196		Formerly San José.
EscuelaIngeniería	Santiago, Chile	EDC*	33 27 33S	70 40 04W			*Closed*. Escuela de Ingeniería.
Esen Bulak	Mongolia	EBM	46 23 24N	96 15 36E	2160		Altay Coordinates corrected Oct 1998.
Esentepe	Turkey	ESE	40 45 20N	30 19 27E	197		From 1991.
Eskdalemuir	Scotland, UK	EKB	55 20 15N	3 10 38W	356		
Eskdalemuir	Scotland, UK	ESK	55 19 00.1N	3 12 18.0W	263	WWSSN	From 1964 III 19.
Eskdalemuir Ar.	Scotland, UK	EKA	55 19 59N	3 09 33W	263		From 1962 V.
Eskdalemuir B4	Scotland, UK	EKB4	55 19 54.1N	3 09 34.6W	299		Eskdalemuir Array Site B4.
Eskiyayla	Turkey	EYL	40 33 57.6N	30 09 27.0E	1160		From 1990 I.
Espanola	Ontario, Canada	ES−	46 19 08N	81 47 34W	274		*Closed*. From 1962 XI 12 to 1962 XII 07.
Esparros	Aquitaine, France	EPF	43 01 51N	0 20 24E	750		*PYF* Formerly PYF. From 1977 VII 07.
Esparza	Costa Rica	EPA	9 59 15.7N	84 35 47.3W	310		From 1984 III 17.
Espegrend	Norway	EGD	60 16 16.2N	5 13 32.4E	20		From 1991 III.
Espenschied	Hessen, Germany	ESP	50 05 57.0N	7 53 35.4E	398		
Esso	Kamchatskaya Obl., RF, CIS	ESO	55 56N	158 42E			
Estación Juárez	Chiapas, México	EJC	17 36 16N	93 11 44W			
Estancia	New Mexico, USA	EST	34 51 52.1N	105 43 21.9W	2055		From 1976 VI.
Estevan Point	British Columbia, Canada	ETB	49 22 34.7N	126 32 16.8W	1		
Esutoru	Sakhalinskaya Obl., RF, CIS	ESU	49 05N	142 02E			*Closed*. Replaced by Uglegorsk *UGL*.
Eten	Peru	CHP7	6 56 42S	79 51 54W	200		
Ethyl L. Duckett	Alberta, Canada	ELD	54 32 09N	110 19 57W	564		From 1978 XII 01.
Etowah	Tennessee, USA	ETT	35 19 33.6N	84 27 18.0W	588		From 1981 XI 25.
E Traverse Mts	Utah, USA	ETU	40 28 38N	111 50 40W	1884		*Closed*. From 1974 VII to 1983 XI.
Etsaut	Aquitaine, France	ETSF	42 53 55N	0 33 33W	910		From 1996 IV 03.
Eureka	Nevada, USA	EUR	39 29 00N	115 58 12W	2178		From 1958 V.
Eureka	Washington, USA	EUW	46 23 45.0N	118 33 43.5W	367		From 1975 VI.
Eureka Canyon	California, USA	EUC	37 03 02.4N	121 48 33.6W	438		*JECM**LT12* From 1969 V 28.
Eureka (L)	Nevada, USA	EK−	39 12 32N	115 42 37W	1951		*Closed*. From 1963 XI 11 to 1964 XI 02.
Eureka Mesa	New Mexico, USA	EUM	36 00 47N	106 50 38W	2914		From 1976 I 13.
Eureka Ridge	Idaho, USA	ERI	46 32 04.8N	116 16 29.4W	862		*Closed*. From 1971 X to 1974 VII 26.
Eutaw	Alabama, USA	EU−	32 46 45N	87 52 26W	43		*Closed*. From 1963 VII 02 to 1964 X 22.
Eutaw	Alabama, USA	EU2	32 47 47N	87 53 05W	43		From 1966 XI 12 to 1967 I 16.
Evander	Transvaal, South Africa	EVA	26 30 19.7S	29 04 37.1E	1621		*Closed*. From 1981 to 1999 I.
Everglades	Florida, USA	EVE	25 23 14.4N	80 40 58.2W	1		
Evrytania	Greece	EVR	38 55 00N	21 48 31E	1050		
Exmoor	England, UK	HEX	51 04 00.5N	3 48 09.0W	278		From 1991.
Experimental Stn	California, USA	EXSG	37 36 49.2N	118 49 49.8W	2153		From 1984 VII.
Ezine	Turkey	EZN	39 49 33N	26 19 31E	50		From 1970 VIII 01.
Fabra	Spain	FBR	41 24 59N	2 07 30E	405		Barcelona.
Fabrichnaya	Kazakhstan, CIS	FAB	43 08N	76 26E			*Closed*.
Faenza	Italy	FAE	44 18 20N	11 53 00E	48		*Closed*.
Failaka Island	Kuwait	FKI	29 26 49.5N	48 18 47.4E	6		
Fairbanks		CMO	*See* College				
Fairbanks	Alaska and Aleutians, USA	FBA	64 54 00N	147 47 36W	320		*Closed*. From 1978 VIII 13 to 1996.
Fairbanks	Alaska and Aleutians, USA	FBAL	64 54 36N	147 26 47W	366		Long Period.
Fairbanks	Alaska and Aleutians, USA	FBAS	64 46 16.0N	146 53 08.2W	400		Short Period.
Fairbanks	Alaska and Aleutians, USA	FBK	64 53 58N	148 00 20W	330		*Closed*. High−Gain Long−Period. From 1970 IX to
		FBK					1972 IV.
Fairbourne	Wales, UK	WFB	52 40 58.8N	4 02 16.1W	325		From 1985.
Fairmont	Washington, USA	FTW	47 52 36N	122 12 05W	147		From 1975 IX 24.
Fairview Park	Nevada, USA	FPN	39 12 10.1N	118 09 18.0W	2255		*Closed*. From 1971 IX 30.
Fairview Park	Nevada, USA	FPN1	39 14 55.7N	118 09 45.0W	2002		*Closed*. To 1970 V 01.
Fajã de Cima	Azores	FAC	37 46 23.5N	25 39 01.8W	191		From 1981 I 01.
Falkland Is	Falkland Islands	FLK	51 50 11.4S	58 26 47.4W	10		From 1992 XI 06.
Fall River	Massachusetts, USA	FLR	41 43 00.0N	71 07 17.5W	52		*Closed*. From 1975 III 24 to 1999 I.
False Pass	Alaska and Aleutians, USA	FSP	54 57 12N	163 27 24W	200		*Closed*. To 1990 VII.
Famagusta	Cyprus	FAM	34 59 46N	34 00 07E	68		*Closed*. From 1987 II to 1998 XI.
Fanning Island	Line Islands	FAN	4 00N	159 40W			*Closed*.
Farallon Is.	California, USA	FARB	37 41 52.4N	123 00 00.0W	26		
Farallon Islands	California, USA	NFIM	37 41 53.9N	123 00 00.0W	107		From 1971 V 05.
Faratahi	Tuamotu, French Polynesia	FRT	18 10 12S	141 02 32W	2		From 1976.
Farellones	Santiago, Chile	FCH	33 19 39.4S	70 17 26.1W	2770		From 1982.
Fargo Canyon	California, USA	FRGC	33 45 25.8N	116 03 41.4W	934		
Farley Peak	California, USA	KFPM	39 38 21.0N	123 25 26.4W	796		
Farmers Butte	Oregon, USA	FBO	44 18 35.6N	122 34 40.2W	1080		From 1991 IX.
Farmington	New Mexico, USA	FARG	36 46 41N	108 11 13W	1801		*Closed*. From 1977 X.
Farmville	Virginia, USA	FRV	37 12 10.8N	78 21 33.6W	216		From 1978 X 10.
Faro	Portugal	FAR	37 01 08.2N	7 58 19.9W	8		
Fatmalar	Turkey	FAT	36 54 23.4N	31 30 49.0E	472		From 1975 IV.
Fauresmith	Orange Free State, South	FRS	29 45 00S	25 19 18E			From 1985.
	Africa	FRS					
Favara	Sicily, Italy	FAI	37 18 00N	13 39 36E	330		*FA1* Formerly FA1. From 1983 IV.
Fayetteville	Arkansas, USA	FAV	36 07 17N	94 11 26W	387		From 1969 VII.
Fayetteville	Arkansas, USA	FAY	36 05 28N	94 11 28W	404		*Closed*. From 1952 I to 1969 VII.
F. de Noronha	Brazil	FNDO	3 50 00S	32 25 00W			*Closed*. Fernando de Noronha.
Feather Falls	California, USA	FEA	39 37 08.6N	121 14 44.4W	1227		*Closed*. From 1966 VI to 1969 I.
Featherly Pass	Alaska and Aleutians, USA	FLP	57 42 42N	156 15 54W	485		From 1975 X.
Federal Ranch	British Columbia, Canada	FRC	56 26 30N	122 23 00W			*Closed*. From 1967 XII to 1973 IV 06.
Feldberg	Baden-Württemberg, Germany	FEL	47 52 33.0N	8 00 45.6E	1330		*Closed*. Feldberg in Schwarzwald. Moved slightly
		FEL					1978:11:01. From 1961 to 1996 IV.
Feldberg	Baden-Württemberg, Germany	FELD	47 52 34.8N	8 00 14.4E	1472		Feldberg in Schwarzwald. From 1996 IV.
Fengtien, Hoten, Mukden, Shen−yang		FEN	*See* Shenyang				
Feodosiya	Ukraina, CIS	FEO	45 01N	35 23E	40		Theodosia.
Fergana	Uzbekistan, CIS	FRG	40 23N	71 47E	600		
Ferguson	Nevada, USA	FERR	38 35 34.1N	118 10 30.0W	1646		REN code FER. From 1976 III.
Fernando Póo		MFP	*See* Moca				
Ferndale	California, USA	FER	40 34 36N	124 15 42W	15		From 1933 I.
Fern Forest	Hawaii, Hawaiian Islands	FEF	19 28 42.0N	155 08 54.6W	691		
Fernie	British Columbia, Canada	FRN	49 29 00N	114 58 36W			*Closed*.
Ferry Basin	Montana, USA	FBMT	47 24 24.6N	114 25 19.8W	1518		
Fickle Hill	California, USA	FHC	40 48 06N	123 59 06W	610		From 1968 XII.
Fiddyment Ranch	California, USA	AFRM	38 47 32.3N	121 20 54.6W	31		From 1976 XII 02.
Fields Point	Washington, USA	FPW	47 58 00.0N	120 12 46.5W	352		From 1975 VI.
Fierza	Albania	FRZ	42 16 52.7N	20 02 17.5E			
Fig Tree	Queensland, Australia	FGTQ	20 58 12.4S	147 46 35.4E	220		From 1987 VIII 03.
Fiji		SUV	*See* Suva				
Fila de Piedra	Venezuela	FIPE	7 58 11N	71 15 04W	600		From 1984.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Filaki	Greece	VFI	39 14 06.7N	22 35 31.5E	360		From 1982 X.
Fila Paraiso	Venezuela	ELPA	7 47 30N	71 43 31W	1285		From 1984.
Fillmore	California, USA	FIL	34 25 25.8N	118 50 04.2W	243		
Fillmore	Utah, USA	FM− FM−	39 13 06N	112 12 25W	1890		*Closed*. From 1961 X 07 to 1963 VI 10 from 1966 III 02 to 1966 III 12.
Finale Ligure	Italy	FIN	44 12 33N	8 12 30E	590		Liguria.
FINESS Array	Finland	FIA0 FIA0	61 26 37.0N	26 04 37.6E	156		FINESS Array Site A0 (centre substation).. From 1990.
FINESS Array	Finland	FINES	61 26 37.0N	26 04 37.6E	150		FINESS Array Beam Reference Point.
Finger Bay		ADA	*See* Adak				
Finlay Fork	British Columbia, Canada	FNC	55 59 30N	123 15 00W			*Closed*. To 1973 IV 06.
Finschhafen	Papua New Guinea	FINC	6 37 00.0S	147 51 24.7E	7		From 1992 V 20.
Fîntînele	Romania	FTB	46 41 21N	23 03 16E	1100		From 1979.
Firariana	Madagascar	FRR	18 43 01S	47 36 00E	1555		*Closed*. From 1973 VI to 1978 XI 16.
Fire Island	Alaska and Aleutians, USA	FIB	61 09 58.8N	150 10 30.0W	50		From 1996.
Fire Island	Alaska and Aleutians, USA	FIS	61 08 39.0N	150 13 06.6W	76		From 1974 IX 24 to 1976 V 04.
Firenze	Italy	FIR	43 46 26N	11 15 18E	46		Florence, Ximeniano.
Fishrie	Scotland, UK	MFI	57 36 41.8N	2 17 43.1W	220		From 1988.
Fish Springs	Utah, USA	FSU	39 43 21.0N	113 23 29.4W	1487		From 1979 VI.
Fitzroy Crossing	Western Australia, Australia	FITX	18 06 33.1S	125 38 34.1E	110		*Closed*. From 1995 III 19 to 1996 IX 11.
Fitzroy Crossing	Western Australia, Australia	FITZ	18 06 07.2S	125 38 20.4E	110		From 1994 IX 01 to 1995 III from 1996 IX 11.
Fitzroy Harbor	Ontario, Canada	FHO	45 27 18.0N	76 13 01.2W	72		*Closed*. From 1979 IV to 1982 I 11.
Flag Point	Oregon, USA	VFP	45 19 05.0N	121 27 54.3W	1716		From 1980 X.
Flagstaff	Arizona, USA	FLAG	35 10 00.0N	111 38 35.5W	2115		From 1977 V.
Flagstaff	Arizona, USA	FLG	35 17 35.5N	111 42 08.6W	2445		*Closed*. From 1966 XI to 1972 IX.
Flagstaff	Arizona, USA	FS− FS−	35 04 09N	111 18 34W	1890		*Closed*. From 1961 X 14 to 1963 V 12 from 1966 II 27 to 1966 III 12.
Flaming Gorge	Utah, USA	FGU	40 55 35.0N	109 23 10.3W	1982		*Closed*. From 1960 to 1976 VI.
Flash Two Peak	California, USA	FLSC	34 58 07.8N	117 02 11.4W	3300		PAS code FLS. From 1979 VI.
Flat	Utah, USA	FLA	39 28 12.0N	110 26 16.2W	1670		*Closed*. From 1962 I to 1977 III.
Flat Gap	Tennessee, USA	FGTN	36 26 02.4N	83 11 42.0W	500		From 1991 XII 19.
Flat River	Missouri, USA	FRM	37 50 09N	90 29 11W	161		*Closed*. From 1969 to 1972 XII.
Flat Top 2	Washington, USA	FL2	46 11 47N	122 21 01W	1378		
Fleetwood	Alabama, USA	FLT	33 15 28.8N	87 24 34.2W	128		From 1971 I 09.
Flemingsburg	Kentucky, USA	FLKY	38 25 33.6N	83 45 03.6W	280		*SLKY* From 1989 II 15.
Fletcher	Vermont, USA	FLE	44 43 21.6N	72 57 06.0W			*Closed*.
Fletcher	Vermont, USA	FLET	44 43 21.6N	72 57 06.0W	366		From 1977 VIII 08.
Flin Flon	Manitoba, Canada	FFC	54 43 30N	101 58 42W	338		From 1965 II 22.
Flint Hills	California, USA	HFHM	36 53 17.5N	121 28 07.7W	101		From 1975 XII 10.
Florence, Ximeniano		FIR	*See* Firenze				
Florencia	Colombia	FLOC	1 30 49.5N	75 37 57.2W	364		From 1994.
Flores Is	Azores	FLOR FLOR	39 26 04.9N	31 11 31.6W	605		Ilha Flores, Morro dos Frades Correction to longitude 1994. From 1991 IX 09.
Florida	Guerrero, México	FLOM	17 13 31.8N	100 23 19.2W	840		
Florina	Greece	FNA	40 47 01.8N	21 22 34.2E	750		From 1989 XII.
Florissant	Missouri, USA	FLO	38 48 06N	90 22 12W	160	WWSSN	*Closed*. From 1928 to 1971 VIII 31.
Florø	Norway	FOO	61 35 52.8N	5 02 38.4E			
Flower Mountain	Texas, USA	FMTX	31 46 19.2N	94 48 18.0W	220		
Focşani	Romania	FOC	45 41 42N	27 11 00E	61		From 1942 VII 12.
Foggia	Italy	FGG	41 27 00N	15 33 05E			*FG1**FOG* Formerly FG1. From 1977 XI.
Foia	Portugal	PFFO	37 18 58.7N	8 35 09.6W	799		From 1996 I.
Foligno	Italy	FOL	42 57 24N	12 42 24E			*Closed*.
Folinière		FLN	*See* La Folinière				
Fontinhas	Azores	FOT	38 44 28N	27 20 10W			
Fontmartina	Spain	FONT	41 45 42N	2 26 00E			
Fool Peak	Utah, USA	FLU	39 22 41.4N	112 10 13.8W	1950		
Fordham	New York, USA	FOR	40 51 47N	73 53 08W	24		*Closed*. From 1910 to 1976 VIII.
Ford Ridge	Utah, USA	FDU	39 45 24.6N	110 59 24.0W	2975		From 1978 III.
Forest Hill	California, USA	AFHM	39 02 30.5N	120 47 28.7W	1064		From 1976 VII 20.
Forest Hill	West Virginia, USA	FWV	37 34 54N	80 48 42W	756		
Forest Hills Div.	California, USA	AFDM AFDM	38 56 52.8N	120 58 20.4W	549		Moved from ADC. Forest Hills Divide. From 1983 V 16.
Forni Avoltri	Italy	FOA	46 35 12N	12 46 30E	880		*Closed*. From 1982 VI 06 to 1988 I 01.
Forni Avoltri	Italy	FVI	46 35 35.7N	12 46 51.3E			
Forrest	Western Australia, Australia	FORR	30 51S	128 06E			*Closed*. From 1988 to 1992 V 17.
Forrest	Western Australia, Australia	FORT	30 46 44.4S	128 03 32.4E	165		From 1992 V 19.
Forrest Kerr	British Columbia, Canada	FKBC	56 47 05N	130 37 05W	1175		From 1989 X 10.
Forsnaval	Scotland, UK	RFO	58 12 47.9N	7 00 18.7W	197		From 1995 IX 10.
Forsyth	Montana, USA	FR−	46 06 00N	106 26 25W	823		*Closed*. From 1963 VII 07 to 1964 VIII 05.
Forsythe	California, USA	AN2* AN2*	36 47 15N	121 26 48W	41		*Closed*. Anzar Res 2. From 1967 IX 25 to 1971 IV 27.
Fort Charlotte	St Vincent, WIAS	FCV	13 09 25.2N	61 14 42.0W	194		
Fort Churchill	Manitoba, Canada	FCC	58 45 42N	94 05 12W	39		
Fort de France	Martinique	FDF	14 43 58.8N	61 09 21.6W	510		Morne des Cadets La Martinique.
Fort George		BEC	*See* Bermuda−Col.				
Fort Gibson	Oklahoma, USA	GBO	35 51 09.3N	95 11 03.5W	302		*Closed*. From 1979 VII 19 to 1984 XII 30.
Fort MacArthur	California, USA	FMA	33 42 45.0N	118 17 07.2W	15		
Fort McLeod	British Columbia, Canada	FT−	54 54 49N	122 52 56W	914		*Closed*. From 1962 XI 16 to 1962 XII 09.
Fort Nelson	British Columbia, Canada	FL−	58 51 38N	122 50 11W	655		*Closed*. From 1965 X 22 to 1965 XI 15.
Fort Nelson	British Columbia, Canada	FNBC	58 50 30.5N	122 34 25.3W	380		From 1998 II 09.
Fort Nelson		FNT	*See* Hobart				
Fort Ross	California, USA	FTR	38 31 21.7N	123 09 39.6W	528		From 1975 I 22.
Fort St Charles		BTG	*See* Basse Terre				
Fort Saint James	British Columbia, Canada	FSB	54 28 36N	124 19 42W	747		
Fort Saint James	British Columbia, Canada	FSJ	54 26N	124 15W	772		*Closed*. From 1965 V 12 to 1979 IV 17.
Fort Shafter	Texas, USA	SFTX	29 55 27N	104 22 17W	1433		
Fort Sherman	Panama	FH−	9 21 47N	79 57 30W	15		*Closed*. From 1966 XI 14 to 1966 XII 20.
Fort Simpson	Northwest Territories, Canada	FST	61 50 24N	121 16 30W	175		From 1986 I 09.
Fort Simpson	Northwest Territories, Canada	FST1	61 47 09N	121 15 32W	175		*Closed*. From 1985 X 06 to 1986 I 09.
Fort Stockton	Texas, USA	FO−	30 54 06N	102 41 52W	880		From 1964 VI 21 to 1965 IV 12.
Fort Tejon	California, USA	FTC	34 52 24N	118 53 36W	990		From 1952 XI 21 to 1970 IX 30 from 1976 VIII.
Fortuna	Costa Rica	FORC	10 28 18N	84 40 06W	400		
Fortuna	Panama	FTA	8 40 53.4N	82 15 52.8W	629		
Fortuna Mine	Arizona, USA	FTM	32 33 17.4N	114 20 00.6W	263		From 1975 VII.
Fort Yukon	Alaska and Aleutians, USA	FY1	67 16 00.0N	148 58 10.2W	939		From 1975 IX.
Fort Yukon	Alaska and Aleutians, USA	FY2	67 07 28.2N	147 05 49.8W	671		From 1975 IX.
Fort Yukon	Alaska and Aleutians, USA	FY3	68 08 49.8N	145 42 00.0W	1439		*Closed*. From 1975 IX to 1978 VIII 14.
Fort Yukon	Alaska and Aleutians, USA	FY4	67 27 12N	146 12 35W	792		*Closed*. From 1975 IX to 1978 VIII 14.
Fort Yukon	Alaska and Aleutians, USA	FY5	67 08 24N	143 15 00W	558		From 1975 IX.
Fort Yukon	Alaska and Aleutians, USA	FYU	66 33 57.6N	145 13 54.0W	137		From 1972 II 09.
Fosdinovo	Italy	FSI	44 07 36N	10 01 30E			*FS1* Formerly FS1.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Fouillouse	Provence-Côte d'Azur, France	FOUF	44 31 45N	6 46 55E			From 1983 I.
Foulwind	South Island, New Zealand	FLW	41 45 08S	171 29 59E	20		*Closed*. From 1968 V 24 to 1968 VII 02.
Foumbot	Cameroon	FBT	5 28 08.4N	10 34 15.6E	1040		From 1987 II 17.
Four Mile Canyon	Oregon, USA	FMC	45 37 28N	120 01 42W	305		From 1975 XI.
Fox Airport	California, USA	FOXC	34 43 58.8N	118 13 50.4W	716		From 1981 III.
Fox Creek	California, USA	FOX	40 31 16.2N	123 59 31.8W	113		From 1974 VI 19.
Foz do Areia	Paraná, Brazil	FDA	25 59 12.9S	51 30 55.0W			From 1979.
Foz do Areia Res.	Paraná, Brazil	FDA5	26 08 59.3S	51 27 18.7W	1000		From 1981 I.
Francis Marion	South Carolina, USA	FMF FMF	32 57 14.4N	79 50 27.6W			*Closed*. Francis Marion National Forest. From 1973 II 28 to 1973 X 02.
Francis Peak	Utah, USA	FPU	41 01 35N	111 50 12W	2816		From 1974 IX.
Franconia Notch	New Hampshire, USA	FNN	44 09 36N	71 40 54W	1060		*Closed*. From 1967 to 1975.
Franklin	Oklahoma, USA	FKO	35 15 40.7N	97 23 10.0W	351		From 1987.
Franklin	West Virginia, USA	FN− FN−	38 32 58N	79 30 47W	910		*Closed*. From 1964 V 04 to 1964 VIII 28 from 1965 VI 03 to 1965 XI 12.
Franklin	Oklahoma, USA	FNO	35 15 25.7N	97 24 02.1W	357		From 1992 IV 28.
Franktown	Colorado, USA	FK−	39 35 12N	104 27 42W	1803		*Closed*. From 1966 XI 17 to 1967 VI 26.
Frederick Butte	Oregon, USA	VFBM	43 39 30.6N	120 14 15.0W	1369		MNLO code VFB.
Fredericton	New Brunswick, Canada	UNB UNB	45 56 46.2N	66 38 39W	64		Coordinates corrected from 45:57N 66:38W 56m Nov 1987. From 1971 IV 01.
Freedom	Kentucky, USA	FDKY	36 47 24N	85 47 39W	306		From 1987 III 27.
Freiburg	Baden-Württemberg, Germany	FBB	48 00 06.0N	7 51 11.4E	260		Freiburg im Breisgau.
Fremont Peak	California, USA	FRP	36 45 13.2N	121 29 25.8W	705		*HFPM* From 1970 IX 02.
French Village	Missouri, USA	FVM	37 59 02.4N	90 25 33.6W	310		From 1972 IX 01.
Fresno	California, USA	FRE	36 46 06N	119 47 48W	88		*Closed*. From 1935 XI 28 to 1971 III 02.
Friant	California, USA	FRI	36 59 30N	119 42 30W	119		From 1971.
Friars Hill		ANG	*See* Antigua				
Frijoles Canyon	New Mexico, USA	FCN	35 46 18.8N	106 15 01.1W	1945		*Closed*. From 1973 V 07 to 1973 VII.
Frink	California, USA	FRK	33 24 03.0N	115 38 12.6W	91		
Frobisher Bay	Northwest Territories, Canada	FBC	63 44N	68 28W	45		*Closed*. To 1973 IV 06.
Frobisher Bay	Northwest Territories, Canada	FBN	63 44 48N	68 32 48W	18		From 1972 IX 14.
Frobisher Bay	Northwest Territories, Canada	FRB	63 44 48N	68 32 48W	18		From 1972 XI 30.
Frøya	Norway	FRO	61 45 25.2N	4 52 55.2E	20		
Frunze		FRU	*See* Bishkek				
Fube	Shimane, Honshū, Japan	FUB	35 17 01.6N	133 09 23.0E	190		*Closed*. Hube. From 1968 XII 15 to 1975 V 01.
Fuego	Guatemala	FGO	14 26 44.4N	90 50 25.8W	1410		From 1973 II.
Fuego 2	Guatemala	FGO2	14 26 19.2N	90 50 09.0W	1335		From 1986 VII.
Fuego 3	Guatemala	FUG	14 26 52.2N	90 50 31.2W	1505		From 1987 III.
Fuerteventura	Canary Islands	CFTV	28 24 49.8N	14 05 00.0W	540		From 1985 XII.
Fujigawa		OKY	*See* Okuyama				
Fukue	Nagasaki, Kyūshū, Japan	FKJ	32 41 36N	128 49 36E	26		Hukue.
Fukue jima 2	Nagasaki, Kyūshū, Japan	JFU	32 39 18N	128 45 00E	120		
Fukui	Fukui, Honshū, Japan	FUK	36 03 12N	136 13 36E	10		Hukui.
Fukuoka	Fukuoka, Kyūshū, Japan	FKK	33 34 48N	130 22 48E	3		Hukuoka.
Fukushima	Fukushima, Honshū, Japan	FKS	37 45 24N	140 28 30E	69		Hukushima Hukusima.
Fulgham	Kentucky, USA	FMKY	36 39 50.4N	88 54 32.4W	152		From 1986 X 30.
Fuller Ranch	Texas, USA	FRTX	32 56 19.8N	100 50 52.8W	689		From 1979.
Fullerton Airport	California, USA	FLAS	33 52 16.8N	117 58 31.8W	−400		From 1986 IX 12.
Funatsu	Yamanashi, Honshū, Japan	FUN	35 29 54N	138 45 48E	860		Hunatsu, Hurato, Kawaguchiko Hunatu.
Funchal	Madeira Islands	FUL	32 38N	16 54W	58		From 1973 XII 07.
Funeral Mts	California, USA	FMT	36 38 23N	116 46 44W	1025		From 1978 XI 28.
Fúquené	Colombia	FUQ	5 28 12N	73 44 17W	2580		From 1957 XII.
Furan	Kamikawa, Hokkaidō, Japan	JFR	43 09 48.6N	142 35 36.6E	360		
Furi	Ethiopia	FURI	8 53 48.0N	38 40 42.0E	2560		
Furnas	Azores	FRA	37 45 33.5N	25 21 11.8W	557		From 1981 I 01.
Fürstenfeldbruck	Bayern, Germany	FUR	48 09 46.5N	11 16 30.8E	565		From 1959.
Furtwangen	Baden-Württemberg, Germany	FWS	48 03 10.8N	8 11 51.3E	925		From 1969 III 01.
Fusan, Husan		PUS	*See* Pusan				
Fuscaldo	Italy	FSC	39 25 08N	16 02 33E	54		
Fushiki	Toyama, Honshū, Japan	HKI	36 47N	137 03E			Husiki.
Futatsui	Akita, Honshū, Japan	FUT	40 08 48N	140 13 00E	140		From 1967XII 29.
Gabbs	Nevada, USA	GAB	38 58 30.6N	117 54 48.0W			*Closed*.
Gabel Atot	Egypt	ATOT	28 10 11.4N	33 51 37.2E			
Gable Mountain	Washington, USA	GBL	46 35 51.6N	119 27 35.4W	330		From 1969 III.
Gabriel G. Videla	Antarctic Peninsula, Antarctica	GGV	64 49 11.8S	62 51 48.0W			*Closed*. Gabriel Gonzalez Videla.
Gafsa	Tunisia	GAF	34 25N	8 48E	314		From 1976.
Gafsa	Tunisia	GFA	34 20 17.5N	9 43 35.4E	250		
Gainesville	Florida, USA	GAI	29 58 45N	82 20 22W	163		Gainesville (Univ. of Florida).
Gala Law	Scotland, UK	EGL	55 51 42N	2 44 18W	245		*Closed*. From 1969 to 1981 XI 27.
Gala Law	Scotland, UK	EGL1	55 51 40N	2 44 33W	245		To 1981 XI 27.
Galapagos Is	Galápagos	GIE	0 44S	90 18W	30	WWSSN	From 1960.
Galera	Ecuador	GALE	0 49 16.8N	80 00 48.0W	25		*Closed*. From 1991 XI 03 to 1992 IV 28.
Galerazamba	Colombia	GAL	10 47 08N	75 15 44W	21		From 1949 IV.
Galeton	Pennsylvania, USA	GT−	41 37 54N	77 48 40W	610		*Closed*. From 1962 V 31 to 1962 VI 28.
Galiano Island	British Columbia, Canada	GOB	49 00 43.8N	123 35 00.0W	10		
Gallatin	Tennessee, USA	GLT	36 21 43.2N	86 29 52.8W	159		From 1981 XI 10.
Galoa	Fiji	NGA	18 11 30.8S	177 59 52.4E	396		From 1979 X.
Galvasay	Uzbekistan, CIS	GAY	41 32N	69 54E			*Closed*. Galva−sai.
Gambarie	Italy	GMB	38 10 03N	15 51 48E	1350		Gambarie d'Aspromonte.
Ganagobie	Provence-Côte d'Azur, France	GANF	43 59 51.3N	5 54 31.2E	650		
Ganjari	Nepal	GJRN	29 28 48N	80 44 24E	2934		
Ganzirri	Sicily, Italy	GZI	38 15 53N	15 36 31E			
Gaotai	Gansu (Kansu), China	GTA	39 24 38N	99 48 52E	1341		Co−ordinates corrected Feb 1998.
Garchy	Bourgogne, France	GRC	47 17 44.2N	3 04 25.0E	191		From 1957 XI 22.
Garland	Texas, USA	GL−	32 58 20N	96 38 06W	168		*Closed*.
Garm	Tadzhikistan, CIS	GAM	39 00N	70 19E	1300		U.K. operated.
Garm	Tadzhikistan, CIS	GAR	39 00N	70 19E	1300		
Garmisch−P.	Bayern, Germany	GAP	47 28 36N	11 03 52E	725		Garmisch−Partenkirchen. From 1973 VI.
Garner Mountain	California, USA	LGMM	41 35 58.8N	121 50 06.6W	1560		From 1988 X 23.
Garnes Mountain	Idaho, USA	GMI	43 42 23.4N	111 20 33.0W	2630		*Closed*. From 1974 VI to 1980 VII 24.
Garni	Armeniya, CIS	GNI	40 03 11N	44 43 26E	1460		
Garret Mountain	New Jersey, USA	GMTN	40 52 57.0N	74 11 04.2W	165		From 1978 IV 25 to 1980 IX from 1985 I.
Garrison	New York, USA	GARN	41 21 37.2N	73 55 26.4W	207		
Garrison Hill	Washington, USA	GHW	47 02 30N	122 16 21W	268		From 1975 IX 24.
Garurganga	Uttar Pradesh, India	GARI	30 27 09.0N	79 26 40.2E	1500		From 1986 VII 26.
Garvey Reservoir	California, USA	GVRC	34 03 00N	118 07 08W	177		From 1987 X 08.
Gauribidanur Ar.	Karnataka (Mysore), India	GBA	13 36 15N	77 26 10E	686		From 1965.
Gavin Park	California, USA	CGPM	37 38 43.2N	122 00 37.2W	366		
Gaylord	Minnesota, USA	GY−	44 30 17N	94 03 17W	305		*Closed*. From 1962 VII 05 to 1962 VII 11.
Gaziantep	Turkey	GAZ	37 10 19.7N	37 12 40.8E	100		From 1989 VII.
Gaziantep	Turkey	GZTT	37 02 10N	37 18 45E	850		From 1992.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Gebbies Pass	South Island, New Zealand	GPZ	43 41 47S	172 38 40E	225		*Closed*. From 1956 XI to 1977 X.
Gebel Alisa	Egypt	AGAL	23 25 42.6N	32 49 31.8E			
Gebel Marawa	Egypt	AGMR	23 32 15.6N	32 32 25.8E			
Gebel Rewraw	Egypt	AGRW	23 38 42.0N	32 48 34.8E			
Gebze	Turkey	GBZT	40 47 20N	29 26 42E	184		
Gebze	Turkey	GEB	40 49 07.0N	29 25 19.9E	240		*Closed*. From 1979 XII.
Gedeh	Jawa, Indonesia	GED	7 50S	113 50E			*Closed*.
Geehi	New South Wales, Australia	GEE	36 25 11S	148 10 57E	480		*Closed*. From 1958 to 1968.
Gegechkori	Gruziya, CIS	GEG	42 21N	42 24E	180		*Closed*.
Genoa	Italy	GEN	44 25 05.2N	8 55 48.2E	54		*Closed*. Genova.
Genoa	Nevada, USA	GNO	38 55 45.1N	119 51 10.1W	1646		
Genova U.	Italy	GENL	44 24 20.4N	8 58 10.8E	80		Genova University. From 1995 IX.
Gentilly	Quebec, Canada	GNT	46 21 46N	72 22 20W	10		From 1978 IV 06.
Geophysical Inst.	Alaska and Aleutians, USA	GIA	64 51 36N	147 50 06W	158		*Closed*. Geophysical Institute, Univ. of Alaska.
		GIA					From 1969 VI to 1971 I.
Georgetown	District of Columbia, USA	GEO	38 54N	77 04W	29	WWSSN	Washington J.S.A.. From 1911.
Georgetown	Delaware, USA	GTD	38 44 29N	75 24 52W	15		*Closed*. From 1977 I 01 to 1999 I.
Geraldton	Ontario, Canada	GTO	49 44 42N	86 57 42W	350		
GERESS Array	Bayern, Germany	GED8	48 49 59.4N	13 43 33.9E	938		GERESS Array Site D8.
GERESS Array	Bayern, Germany	GED9	48 50 36.3N	13 43 25.6E	987		GERESS Array Site D9. From 1992.
GERESS Array	Bayern, Germany	GERES	48 50 42.4N	13 42 05.6E	1137		GERESS Array Beam Reference Point.
GERESS C2	Bayern, Germany	GEC2	48 50 42.4N	13 42 05.6E	1137		GERESS Array Site C2.
Germantown	New York, USA	GERM	42 09 25.2N	73 48 40.8W	88		
Geyser Peak	California, USA	GGPM	38 45 52.9N	122 50 39.1W	1054		From 1975 IV 18.
Geysers	California, USA	GDXM	38 48 27.6N	122 47 37.8W	931		MNLO code GDX.
Ghanteswor	Nepal	GHAN	29 10 48N	80 37 48E	2450		From 1995.
Ghardimaou	Tunisia	GHAT	36 29 45.0N	8 18 17.4E	400		
Ghuzeima	Jordan	GHZJ	30 31 48N	36 19 30E	1048		Correction to latitude Dec 1992. From 1990 I 12.
Gibalbín	Spain	GIBL	36 49 35.4N	5 57 10.2W	412		
Gibilmanna	Sicily, Italy	GIB	37 59 21.8N	14 01 36.5E	990		San Gibilmanna.
Gifu	Gifu, Honshū, Japan	GIF	35 23 54N	136 45 54E	13		Gihu.
Gilahina Butte	Alaska and Aleutians, USA	GLB	61 26 30.6N	143 48 37.8W	845		From 1973 VIII 25.
Gilbert	Nevada, USA	GBT	38 09 46.8N	117 41 03.4W	2137		
Gilbert Hill	Idaho, USA	GHI	46 28 12.6N	116 19 08.4W	920		*Closed*. From 1971 X to 1976 I 14.
Gilboa	New York, USA	GILB	42 25 22.8N	74 27 09.6W	335		
Gileppe	Belgium	GIP	50 35 32N	5 58 27E			*Closed*.
Giles	Western Australia, Australia	GLS	25 02 07S	128 17 44E	600		*Closed*. From 1974 X to 1978 IV 11.
Gilmore Creek	Alaska and Aleutians, USA	GIL	64 58 30N	147 29 42W	350		*Closed*. To 1978 VII 30.
Gilmore Dome	Alaska and Aleutians, USA	GLN	64 59 14.4N	147 23 20.4W	820		*GLM* From 1968 VIII.
Gilroy Springs	California, USA	GHS	37 05 45.0N	121 26 49.8W	778		*HGSM* Gilroy Hot Springs. From 1971 IX 03.
Gilroy West	California, USA	HGWM	37 01 01.2N	121 39 11.5W	131		From 1975 X 02.
Giralia	Western Australia, Australia	GIRL	22 34 12.0S	115 31 15.6E			
Girdled Road	Ohio, USA	CGRR	41 40 43.4N	81 08 30.6W	334		*Closed*. To 1992 VI 15.
Girifalco	Italy	GRI	38 49 01.7N	16 25 12.5E	480		Code formerly used for GRI*.
Girl Scout Camp	New York, USA	GSCY	41 15 58N	74 00 14W	110		
Gisborne	North Island, New Zealand	GNZ	38 38 39S	178 01 21E	30		From 1963 VII.
Gissar	Tadzhikistan, CIS	GIS	38 28N	68 34E			*Closed*.
Giv'at Hamore	Israel	GVMR	32 37 12N	35 22 12E	90		From 1991 XII.
Givet	Nord-Pas-de-Calais, France	GIVF	50 06 08N	4 49 24E	295		From 1996 IV 03.
Gizo	Solomon Islands	GIZ	8 05 55S	156 50 30E	20		To 1971 from 1976 VII 28.
Glacier Island	Alaska and Aleutians, USA	GLC	60 53 26.4N	147 04 21.0W	3		*Closed*. From 1972 VII 24 to 1984 IX 17.
Glacier Island	Alaska and Aleutians, USA	GLI	60 52 46.8N	147 05 39.0W	429		From 1984 IX 18.
Glacier Lake	Washington, USA	GLK	46 33 50.2N	121 36 30.7W	1320		
Glacier Peak	Washington, USA	GC−	48 09 44N	121 16 56W	671		*Closed*. From 1962 XI 08 to 1962 XII 12.
Glacier Shelter	North Island, New Zealand	GSZ	39 16 40S	175 35 14E	2600		*Closed*. From 1976 VII to 1984 III.
Gladstone Stream	South Island, New Zealand	GSP	44 08 01S	170 01 05E	840		*Closed*. From 1975 to 1978 IV.
Glafira	Greece	VGL	39 26 44.3N	22 53 03.1E	424		From 1982 X.
Glamis	California, USA	GLA	33 03 09.0N	114 49 35.4W	627		From 1966 XII 20.
Glashutten	Austria	GHA	47 27 45N	16 23 17E	500		
Glass	Missouri, USA	GLST	36 16 08.8N	89 17 15.7W	122		
Glen Almond	Quebec, Canada	GAC	45 42 11.9N	75 28 41.9W	62		From 1979 X 26.
Glen Avon	California, USA	GAV	34 01 21.0N	117 30 44.4W	289		From 1976 I.
Glen Canyon	Arizona, USA	GCA	36 58 25N	111 35 35W	1339		*Closed*. From 1960 VIII.
Glen Cove	New York, USA	GCY	40 51 30N	73 37 48W	43		From 1965 II.
Glendive	Montana, USA	GI−	47 11 34N	104 13 10W	732		*Closed*. From 1963 VII 17 to 1964 VIII 05.
Glenfield	South Island, New Zealand	GFW	41 27 24S	173 49 51E	230		
Glenmuick	South Island, New Zealand	GLE	42 54S	173 09E	75		*Closed*.
Glenroy	Queensland, Australia	BGRQ	20 32 57.1S	147 06 18.7E	160		From 1981 II 16.
Glentunnel		WAI	*See* Wairiri				
Glenview	California, USA	GGLM	38 53 48.1N	122 46 34.7W	893		From 1975 IV 18.
Globe	Arizona, USA	GE−	33 46 32N	110 31 41W	1475		*Closed*. From 1964 IV 09 to 1965 X 04.
Glory Hole Creek	Alaska and Aleutians, USA	GHO	61 46 19.8N	148 55 27.0W	1021		From 1984 IX 11.
Gloucester	Massachusetts, USA	GLO	42 38 25N	70 43 38W	15		From 1975 VIII.
Gloversville	New York, USA	GLOV	43 05 22.2N	74 19 55.2W	292		
Gnome	New Mexico, USA	GN−	32 15 45N	103 51 25W	1036		*Closed*. From 1962 I 08 to 1962 II 15.
Goa	Goa, Daman and Diu, India	GOA	15 29N	73 49E	58		Panjim. From 1964 VI 06.
Goat Mountain	Oregon, USA	GT2	45 09 20N	122 16 15W	823		From 1985 IX.
Goat Mountain	Oregon, USA	VGTM	45 08 59.4N	122 15 55.2W	993		MNLO code VGT.
Gobbelet	New York, USA	GOBY	41 19 46N	73 55 19W	150		
Godfrey	Georgia, USA	GOGA	33 24 40.3N	83 27 59.8W	150		From 1993 III 16.
Godhavn	Greenland	GDH	69 15N	53 32W	23	WWSSN	WWSS−1982, DWSS 1982−.
Golan−Tel Qazir	Israel	GLH	32 42 36N	35 39 36E	330		From 1986 VI 26.
Golden	Colorado, USA	GLD	39 45 02N	105 13 17W	1762		From 1974.
Golden	New Mexico, USA	GNM	35 14 58.5N	106 11 33.5W	2417		From 1976 I.
Golden	Colorado, USA	GOL	39 42 01N	105 22 16W	2359	WWSSN	*Closed*. Golden (Bergen Park). From 1961 XII 21.
Goldfield	Nevada, USA	GF−	37 55 03N	117 12 06W	1707		*Closed*. From 1963 II 08 to 1963 III 29.
Gold Hill	California, USA	GHC	35 49 51.6N	120 21 10.2W	433		*PGHM**PK1* Parkfield Array 1. From 1968 III 21.
Gold King Creek	Alaska and Aleutians, USA	GKC	64 10 43.2N	147 56 04.8W	490		From 1976 VII.
Gold Mountain	Nevada, USA	GMN	37 18 01N	117 15 35W	2155		From 1979 VII 13.
Gold Mountain	Washington, USA	GMW	47 32 52.5N	122 47 10.8W	506		From 1970 II 27.
Gold River	British Columbia, Canada	GDR	49 46 51.6N	126 01 54.8W	100		Correction to coordinates Nov 1990. From 1978
		GDR					VIII 04.
Gold Rush Inn	California, USA	AGIM	38 50 40.9N	120 58 52.7W	305		From 1976 I 28.
Goldstone	California, USA	GSC	35 18 06.0N	116 48 16.6W	990	WWSSN	From 1961 XI 07.
Goldstream Park	British Columbia, Canada	GSTB	51 39 36N	118 41 06W	1340		*Closed*. University of British Columbia.
G Santa Clara	Baja California, México	EGM	31 40 42N	114 29 30W	5		El Golfo de Santa Clara. From 1969 IV 26.
Gölpazarı	Turkey	GPA	40 17 20.2N	30 18 34.0E	560		*GLP* From 1970 VII.
Gonen	Turkey	GET	40 06 30N	27 34 00E	590		*Closed*. From 1978 IX to 1984 III.
Gonzaga		SPO	*See* Spokane				
Gonzales	British Columbia, Canada	VGZ	48 24 50N	123 19 28W	68		From 1982 III 23.
Goochland	Virginia, USA	GHV	37 47 39.0N	78 06 26.4W	107		From 1978 X 10.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Goodnow Flow	New York, USA	GNF	43 54 54.6N	74 13 48.6W			From 1983 X.
Gordon	Nebraska, USA	GO−	42 37 58N	102 16 26W	1097		*Closed*. From 1962 XII 28 to 1963 III 21.
Gordon Butte	Oregon, USA	VGB	45 30 56.4N	120 46 39.0W	729		*VGBM*
Gori	Gruziya, CIS	GOR	41 59N	44 07E	610		
Goris	Armeniya, CIS	GRS	39 30N	46 20E	1550		
Gorje	Slovenia	GRJ	46 23N	14 05E	600		*Closed*.
Gorkhā	Nepal	GKN	28 00 10.8N	84 38 13.2E	1478		From 1983VII.
Gornyy	Sakhalinskaya Obl., RF, CIS	GOY	44 55N	147 34E			*Closed*. Gorny.
Goroka	Papua New Guinea	GKA	6 03 30S	145 23 30E	1634		*Closed*. From 1970 III to 1972 XI 22.
Goroka	Papua New Guinea	GRK	6 04 32S	145 23 43E	1579		*Closed*. From 1968 I 25 to 1970 III 12.
Goroka	Papua New Guinea	GRK1	6 04 12S	145 23 39E	1695		To 1968 I 25.
Gorron	Pays de la Loire, France	GRR	48 23 18N	0 51 30W	220		
Göteborg	Sweden	GOT	57 41 54N	11 58 42E	66		*Closed*. Gothenburg. To 1968 X 11.
Göteborg	Sweden	NE01	57 48 03.6N	12 07 55.2E	55		*Closed*. From 1983 II to 1986 I.
Gotemba	Shizuoka, Honshū, Japan	GTN	35 19N	138 56E			*Closed*.
Gothenburg		GOT	*See* Göteborg				
Göttingen	Niedersachsen, Germany	GTT	51 32 47N	9 57 51E	272		From 1899.
Gould Hall	Alaska and Aleutians, USA	GOU	61 11 21.0N	149 48 01.2W	71		From 1994 VIII.
Gourbit	Midi-Pyrénées, France	GRBF	42 50 29N	1 32 12E	875		From 1989 I.
Govalcot	Maharashtra, India	GOV	17 32 24N	73 29 18E	1		*Closed*.
Göynük	Turkey	GYN	40 21 12N	30 43 35E	1279		Correction to coordinates Oct 1994. From 1991.
Gozaisho	Mie, Honshū, Japan	GOZ	35 00 55.0N	136 25 33.5E	1150		*GZS*Closed*. From 1963 X to 1965 XII.
Gqp	Philippines	GQP	13 54 18.0N	122 26 45.6E	50		
Gräfenberg	Bayern, Germany	GRFO	49 41 27.2N	11 13 13.1E	384		From 1978 X 01.
Gräfenberg Ar.	Bayern, Germany	GRA1	49 41 30.8N	11 13 18.2E	500		From 1976 III.
Gräfenberg Ar.	Bayern, Germany	GRA2	49 39 18.1N	11 21 35.9E	512		From 1976 III.
Gräfenberg Ar.	Bayern, Germany	GRA3	49 45 44.1N	11 19 09.4E	455		From 1976 III.
Gräfenberg Ar.	Bayern, Germany	GRA4	49 33 55.8N	11 26 09.3E	503		From 1978.
Gräfenberg Ar.	Bayern, Germany	GRB1	49 23 32.1N	11 39 13.2E	494		From 1978.
Gräfenberg Ar.	Bayern, Germany	GRB2	49 16 16.2N	11 40 08.7E	552		From 1978.
Gräfenberg Ar.	Bayern, Germany	GRB3	49 20 38.0N	11 48 23.4E	517		From 1978.
Gräfenberg Ar.	Bayern, Germany	GRB4	49 28 07.8N	11 33 41.4E	507		From 1978.
Gräfenberg Ar.	Bayern, Germany	GRB5	49 06 39.8N	11 40 44.1E	525		From 1979.
Gräfenberg Ar.	Bayern, Germany	GRC1	48 59 45.6N	11 31 19.2E	512		From 1979 IX.
Gräfenberg Ar.	Bayern, Germany	GRC2	48 52 04.8N	11 22 30.0E	445		Böhmfeld.
Gräfenberg Ar.	Bayern, Germany	GRC3	48 53 25.5N	11 35 06.5E	438		From 1979.
Gräfenberg Ar.	Bayern, Germany	GRC4	49 05 13.2N	11 31 37.2E	503		Raitenbuch.
Gräfenberg Ar.	Bayern, Germany	GRF GRF	49 41 30.8N	11 13 18.2E	500		*GG−* Gräfenberg, Erlangen, *GG−*. From 1965 III 02.
Grafton	New York, USA	GFN	42 47 34.2N	73 24 55.2W	518		*Closed*. From 1971 X to 1976 VII 28.
Grahamstown	Cape Province, South Africa	GRH	33 18 36S	26 34 30E	558		*Closed*. To 1967 XI.
Grahamstown	Cape Province, South Africa	GRM	33 18 48S	26 34 24E	610	WWSSN	Grahamstad. From 1967 XI 03.
Granada		CRT	*See* Cartuja				
Granada	Spain	NE14	37 11 24N	3 35 42W	774		From 1983 V.
Granbergs Dal	Sweden	GBD	59 27 25.2N	14 33 14.4E	150		*Closed*. From 1980 I to 1991.
Grand Ballon	Alsace, France	GBF	47 54 09.7N	7 05 56.4E	1350		*Closed*.
Grand−Bara	Djibouti	GBR	11 09 07.2N	42 27 46.8E	625		From 1981 V 04.
Grand Bay	Dominica, WIAS	DGBT	15 14 20.4N	61 19 44.4W	70		
Grand Canyon	Arizona, USA	GCAZ	36 02 38.4N	112 07 40.8W			From 1987.
Grand Cayman	Cayman Islands, WIAS	GCM	19 17 20.4N	81 22 51.6W	5		From 1984 XI.
Grand Coulee	Washington, USA	GCW	47 56 29N	118 58 48W	462		*Closed*.
Grande Dixence	Switzerland	DIX	46 04 49.8N	7 24 39.0E	2400		From 1977.
Grande−Etoile	Provence-Côte d'Azur, France	GELF	43 23 00.9N	5 25 39.0E	550		
Grandfather Mt.	North Carolina, USA	GFM	36 06 39.6N	81 48 25.2W	1726		From 1982 V 27.
Grand Junction	Colorado, USA	GJC	39 05 26N	108 31 37W	1445		*Closed*.
Grand'Maison	Rhône-Alpes, France	GDM	45 12 14N	6 06 58E	1574		
Grand Rapids	Minnesota, USA	GP−	47 39 52N	93 29 22W	427		*Closed*. From 1964 IX 02 to 1964 XII 01.
Grand Remous	Quebec, Canada	GRQ	46 36 24N	75 51 36W	290		
Grand Targhee	Wyoming, USA	TARW	43 45 49.7N	110 59 26.9W	2091		Grand Targhee Resort. From 1986 I.
Grandview Point	Idaho, USA	GRAI	43 48 33.5N	111 20 08.6W	2231		
G. Wintersberg	Alsace, France	GWF	48 58 39N	7 37 19E	580		Grand Wintersberg. From 1980 VII.
Grange	Trinidad and Tobago	GNG	11 10 37.2N	60 47 52.8W	36		
Granges−G.	Rhône-Alpes, France	GGF	44 22N	4 46E	110		*Closed*. Granges−Gontardes.
Granite Bay	Alaska and Aleutians, USA	GBY	60 25 55.8N	147 58 42.0W	495		From 1985 VII 12.
Granite Butte	Montana, USA	GBM	46 51 33.5N	112 27 21.4W	2237		*Closed*. From 1974 X 09 to 1976 X 04.
Granite Creek	California, USA	GCC GCC	37 01 48N	121 59 48W	122		Santa Cruz Replaces Santa Cruz *SCC*. From 1965.
Granite Mountain	Alaska and Aleutians, USA	GMA	65 25 43.2N	161 13 55.2W	860		*Closed*. From 1970 IX 17 to 1978 III 25.
Granite Mountain	Utah, USA	GMU	40 34 31.9N	111 45 47.3W	1829		From 1970 VIII.
Granite Pass	California, USA	GRP	34 48 15.6N	115 36 16.2W	1238		
Granite Peak	California, USA	LGPM	40 54 45.0N	122 49 43.2W	1290		From 1982 X 01.
Graniteville	South Carolina, USA	GVS	33 35 49.2N	81 51 10.1W	100		*Closed*. From 1974 V 20 to 1976 VIII 09.
Grant Creek	Idaho, USA	GRCI	43 58 00N	113 59 21W	2341		From 1983 XI.
Grantsville	Maryland, USA	GS−	39 37 08N	79 11 00W	762		*Closed*.
Grapevine	Texas, USA	GV−	32 53 09N	96 59 54W	152		*Closed*. From 1962 VI 02 to 1965 XII 31.
Grapevine	California, USA	GVN	37 00 05N	117 20 33W	865		From 1978 XI 28.
Grass Mountain	Washington, USA	GSM	47 12 11.4N	121 47 40.2W	1305		From 1970 VI 11.
Grass Mountain	Oregon, USA	VGMM	43 35 32.4N	122 32 45.6W	1561		MNLO code VGM.
Grassy Mountain	Georgia, USA	GMG	34 51 45.6N	84 40 13.2W	1097		From 1985 XI.
Gratio	Tennessee, USA	GRT	36 15 50.4N	89 25 30.0W	137		
Graus	Spain	EGRA	42 11 42.7N	0 18 57.4W			From 1990 XII 12.
Gray Butte	California, USA	LGBM	41 20 42.6N	122 11 39.6W	2304		
Gray Hill	England, UK	HGH	51 38 16.8N	2 48 23.0W	210		From 1980.
Grayling Creek	Montana, USA	GCR	44 47 46.2N	111 06 23.4W	2075		From 1973 I.
Graz	Austria	GRA	47 04 36N	15 26 54E	369		*Closed*. Steiermark.
Great Barrier	North Island, New Zealand	GBZ	36 13 04S	175 28 52E	70		*Closed*. From 1967 X to 1990 V 20.
Great Rift	Idaho, USA	GTRI	43 14 38.4N	113 14 27.6W	1547		From 1992.
Great Sitkin	Alaska and Aleutians, USA	AD1	52 01 24N	176 09 06W	244		*Closed*. From 1974 to 1992 II 01.
Great Whale R.	Quebec, Canada	GWC GWC	55 17 30N	77 45 12W	8		*Closed*. Great Whale River. From 1965 IX 27 to 1972 IX 01.
Great Whale R.	Quebec, Canada	GWR	55 16 36N	77 44 36W	20		Great Whale River. From 1972 IX 14.
Greenback	Tennessee, USA	GBTN	35 39 57.6N	84 12 39.6W	326		From 1983 III 23.
Green Bank	West Virginia, USA	GBV	38 25 47.9N	79 50 37.8W	826		From 1976 XI 15.
Green Peter	Oregon, USA	VGPM	44 29 00.0N	122 34 53.4W	1212		MNLO code VGP.
Greenpond	New Jersey, USA	GPD	41 01 03.8N	74 27 39.0W	360		
Greensboro	Georgia, USA	GBG	33 29 54.7N	83 12 40.3W	173		From 1978 II.
Greensboro	North Carolina, USA	GBNC	36 04 04N	79 44 42W	236		
Greenvale	Victoria, Australia	GVL	37 37 06S	144 54 00E	185		From 1976 I.
Green Valley Rd	California, USA	GVR	38 16 50.4N	122 12 53.4W	257		Green Valley Road. From 1971 IV 30.
Greenville	Missouri, USA	GRV	37 03 12N	90 23 42W	168		*Closed*. Lake Wappapello. From 1964 to 1974.
Greenwater V.	California, USA	GWV GWV	36 11 12N	116 40 14W	1540		*Closed*. Greenwater Valley. From 1978 VII 24 to 1988 II 16.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Greenwater V.	California, USA	GWY	36 11 06.6N	116 40 10.8W	1540		Greenwater Valley. From 1988 IV 01.
Greenwich	Jamaica	GWJ	18 04 30N	76 44W	1200		
Greenwood	Delaware, USA	GWDE	38 49 42.2N	75 37 01.6W	19		From 1995 VIII 29.
Gregorio Matese	Italy	SGG	41 23 12.1N	14 22 43.5E	880		San Gregorio Matese. From 1977 I.
Grenada	Grenada	GRE	12 02 49.2N	61 44 45.6W	15		From 1952 XII 21.
Grenoble	Rhône-Alpes, France	GRN	45 14 33.0N	5 44 42.8E	1040		From 1980 II.
Grenoble	Rhône-Alpes, France	GRN*	45 11N	5 42E	244		*Closed*.
Gresham	Oregon, USA	PGO	45 28 00N	122 27 10W	237		From 1982 VI.
Gretna	Nebraska, USA	GAN	41 01 17N	96 14 49W	335		*Closed*. From 1977 XII 13 to 1979 X 30.
Greycliff	Montana, USA	GCMT	45 47 28.2N	109 40 01.8W	1530		
Greymouth	South Island, New Zealand	GRY	42 25S	171 13E	4		*Closed*. From 1932 XI to 1942 X.
Griffith Obs.	California, USA	GOC	34 06 46.8N	118 18 06.0W	347		From 1965 VI.
Griffith Park	California, USA	GFP	34 07 45.6N	118 18 35.4W			From 1975 IV.
Grindstone Mt.	Oregon, USA	GROR	45 21 04.5N	123 39 43.0W	945		From 1986 V.
Grit	Texas, USA	GR2	30 47 11N	99 24 58W	549		From 1967 V 19 to 1967 V 23.
Grit	Texas, USA	GRI* GRI*	30 46 40N	99 23 03W	518		*GR1TX**Closed*. Formerly GRI. From 1967 V 19 to 1967 V 23.
Griva	Greece	GRG	40 57 24N	22 24 05E	560		From 1981 I 01.
Grizzlie Mountain	Oregon, USA	GMO	44 26 20.8N	120 57 22.3W	1689		
Grizzly Peak	Utah, USA	GZU	41 25 31.8N	111 58 30.0W	2646		
Groom Lake Rd	Nevada, USA	GLR	37 11 58N	116 01 04W	1435		Groom Lake Road. From 1975 XI 20.
Groom Range	Nevada, USA	GMR	37 20 02N	115 46 16W	1580		From 1979 I 23.
Grosador		SOB4	*See* Sobradinho				
Grosses Roches	Quebec, Canada	GSQ	48 54 36N	67 06 36W	398		From 1981 X 28.
Grosshau	Nordrhein-Westfalen, Germany	GSH	50 44 14.4N	6 22 36.6E	370		From 1981.
Grotta Gigante		TRI	*See* Trieste				
Ground Zero	Nevada, USA	GZN	37 14 09.6N	116 30 57.6W			*ZOX**Closed*. From 1965 to 1970.
Grouse Mountain	California, USA	KGMM	40 45 31.8N	123 40 27.6W	1615		
Grover	Nevada, USA	GRX	39 38 07.8N	117 59 20.4W	1390		From 1980 I.
Groznyy	Checheno-Ingushskaya ASSR, RF, CIS	GRO GRO	43 19N	45 42E	124		Grozny.
Grundy	Virginia, USA	GD−	37 23 34N	81 58 40W	366		*Closed*. From 1962 VII 21 to 1962 X 05.
Guacamaya	Venezuela	GUAC	10 11 31.2N	67 16 16.0W	1330		From 1987 VI.
Guadalajara	Jalisco, México	GUM	20 40 46N	103 19 27W	1567		
Guadalajara 2	Jalisco, México	GUM2	20 40N	103 18W	1543		
Guadalupe	Peru	PT03	13 59 30S	75 47 48W	400		
Guadarrama	Spain	GUD	40 38 34.7N	4 09 14.3W	1393		From 1979 VII.
Guadeloupe		SCG	*See* Saint Claude				
Guadelupe Mt.	New Mexico, USA	GDL2	32 12 01.2N	104 21 48.6W	1213		
Guagua P.	Ecuador	GGP GGP	0 10 43.8S	78 35 48.6W	4420		Guagua Pichincha. Local code REFU. From 1988 IX 30.
Güajares	Spain	EGUA	36 50 01.4N	3 33 55.5W	386		From 1991 I 10.
Gualala	California, USA	GGUM	38 51 23.4N	123 29 52.2W	661		
Guallil	Ecuador	GUAL	3 04 18.6S	78 48 51.0W	3225		From 1994 VII 21.
Guam	Mariana Islands	GUA	13 32 18N	144 54 42E	230	WWSSN	Santa Rosa. From 1963 IV.
Guam	Mariana Islands	GUAM	13 28 18N	144 44 54E			*Closed*. Agana. From 1914 to 1944.
Guam (SRO)	Mariana Islands	GUMO	13 35 16.1N	144 51 58.7E	135		From 1975 VIII.
Guangzhou	Guangdong (Kwangtung), China	GZH GZH	23 05 13N	113 20 38E	11		*CNT* Kwangchou, Canton.
Guantanamo	Cuba	GM−	19 58 01N	75 05 14W	16		*Closed*. From 1963 XI 19 to 1964 III 03.
Guantanamo Bay	Cuba	GBC	19 54N	75 09W			*Closed*.
Guatemala City	Guatemala	GCG	14 35 10.2N	90 31 58.2W	1502		Guatemala. From 1925 to 1978.
Guatemala OBS 1	Guatemala Basin	GB01	3 59 53N	91 59 53W	−2893		From 1979 V.
Guatemala OBS 2	Guatemala Basin	GB02	6 33 25N	93 33 07W	−3580		From 1979 V.
Guatemala OBS 3	Guatemala Basin	GB03	7 50 17N	94 23 13W	−3730		From 1979 V.
Guatemala OBS 4	Guatemala Basin	GB04	12 44 24N	91 00 58W	−5260		From 1979 VI.
Guatemala OBS 5	Guatemala Basin	GB05	12 39 07N	90 56 56W	−6010		From 1979 V.
Guatemala OBS 6	Guatemala Basin	GB06	12 41 38N	90 51 07W	−5260		From 1979 VI.
Guatemala OBS 7	Guatemala Basin	GB07	12 47 28N	90 54 43W	−4460		From 1979 VI.
Guatemala OBS 8	Guatemala Basin	GB08	12 43 01N	90 56 13W	−5465		From 1979 V.
Guaymas	Sonora, México	GYM	27 54 36N	110 57 06W	15		
Guba	Zaïre	GUB	10 40S	26 26E			
Guerrero	Guerrero, México	CGG	16 40 30N	98 27 27W	400		
Guerrero	Guerrero, México	LLJ	16 33 51.0N	98 53 04.8W			
Guía Canaria	Canary Islands	GGC	28 07 10.8N	15 38 12.0W	560		Guia de Gran Canaria. From 1984 XI.
Guildford	England, UK	GILD	51 15 00N	0 35 00W			*Closed*.
Guimar	Canary Islands	GUI	28 19 15.0N	16 16 25.8W	868		
Guiyang	Guizhou (Kweichow), China	GYA	26 27 31N	106 39 50E	1162		*KWA* Kwei−yang.
Guiyang	Guizhou (Kweichow), China	HXI	26 27 31N	106 39 50E	1162		Hua−ch'i.
Guler Mountain	Washington, USA	GULW	45 55 27N	121 35 44W	1189		From 1986 VII 31.
Gulkana	Alaska and Aleutians, USA	GUL	62 09 00N	145 27 42W			*Closed*. From 1964 IV 11 to 1964 V 07.
Gumba	Nepal	GUN	27 54 38.2N	85 52 45.8E	2900		From 1985 III.
Gumong Sitoli	Sumatera, Indonesia	GSI	1 18 12.0N	97 34 32.4E			
Gunnerudssatern	Sweden	GNN	60 08 01N	13 41 44E	265		*Closed*. From 1969 I to 1991.
Gun Site Pk	Utah, USA	GSUT	41 54 22.8N	112 07 16.8W	1783		*Closed*. From 1979 X to 1980 VII.
Gura Zlata	Romania	GZR	45 23 36N	22 46 36E	850		From 1977 IV.
Guri	Venezuela	GUV	7 48 38.9N	63 05 50.8W	130		RESVAC code GUVO.
Gutenstein	Baden-Württemberg, Germany	GUT	48 04 14.4N	9 06 55.1E	650		From 1997 X 14.
Guwahati	Assam, India	GWH	26 09 00N	91 43 48E			From 1982 XII.
Guyot Hills	Alaska and Aleutians, USA	GYO	60 08 46.7N	141 28 17.4W	183		From 1976 VI 01.
Guysborough	Nova Scotia, Canada	GBN	45 24 25.2N	61 30 46.8W	38		From 1983 V 03.
Haboro	Rumoi, Hokkaidō, Japan	HAB	44 23N	141 42E			*Closed*.
Hachijō jima	Bonin Islands, Japan	HJJ	33 06 06N	139 47 18E	80		Hatidyozima.
Hachijō jima 2	Bonin Islands, Japan	JHJ	33 07 09N	139 47 00E	153		*Closed*.
Hachinohe	Aomori, Honshū, Japan	HAC	40 31 30N	141 31 36E	28		Hatinohe.
Hachinohe 2	Aomori, Honshū, Japan	HACJ	40 23 49.8N	141 32 45.0E	230		From 1991III 08.
Haddam	Connecticut, USA	HDM	41 29 08.8N	72 31 23.6W	24		*Closed*. From 1974 XII 23 to 1999 I.
Hadley Quad	Kentucky, USA	HAKY	37 06 20.5N	86 35 05.8W	169		From 1987 VI 26.
Haflong	Assam, India	HLGA	25 09 36N	93 01 00E	662		From 1984 VIII.
Hagfors	Sweden	HFS	60 08 02.4N	13 41 45.6E	265		From 1969 I.
Hague Volcano	Alaska and Aleutians, USA	HAG	55 19 01.6N	161 54 15.2W	503		From 1996 VII.
Háhryggur	Iceland	HAH	64 07 06.6N	21 16 58.1W			
Haibara	Nara, Honshū, Japan	HBR	34 30 10.0N	135 59 36.1E	390		
Haifa	Israel	HAF	32 48N	35 01E			*Closed*.
Hailar	Nei Monggol Zizhiqu (Inner Mongolia), China	HIA HIA	49 16 00.1N	119 44 30.1E	610		From 1987 III.
Hailey	Idaho, USA	HL−	43 38 50N	114 15 02W	1890		*Closed*. From 1961 X 14 to 1964 III 07.
Hailey	Idaho, USA	HL2 HL2	43 33 40N	114 25 08W	1829		From 1964 III to 1965 VII from 1965 X to 1965 XI from 1967 VIII to 1967 XII.
Hailey	Idaho, USA	HLID	43 33 40N	114 26 24W	1772		
Hailstone	Utah, USA	HLJ	40 36 37.2N	111 23 58.2W	1926		From 1992 X 22.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Haines Junction	Yukon Territory, Canada	HYT	60 49 30.0N	137 30 13.8W	1416		
Haiphong, Kien−An,	Tonking	PLV	*See* Phù−Liễn				
Haiwee Res.	California, USA	HAI	36 08 12N	117 56 48W	1150		*Closed*. From 1929 IX 11 to 1965 X 27.
Haiwe Spring S	California, USA	HWSM	36 06 18.0N	117 45 38.5W	1436		*WHSM* From 1975 IX 26.
Hajja	Yemen	HAJJ	15 42 27N	43 37 00E			Ḥajjah. From 1994 XI.
Hakodate	Ō shima, Hokkaidō, Japan	HAK	41 48 54N	140 45 30E	35		
Hakodate 2	Ō shima, Hokkaidō, Japan	HAKJ	41 49 57N	140 46 39E	80		From 1992II 25.
Hakui	Ishikawa, Honshū, Japan	JJH	36 55 30N	136 46 54E	40		
Halaksitan	Djibouti	HLD	11 35 47.4N	42 25 56.4E	−75		From 1979 IX 23.
Haleakala	Hawaii, Hawaiian Islands	HKL	20 42 38N	156 15 33W	3051		Correction to coordinates Apr 1992. From 1975.
Haleakala	Hawaii, Hawaiian Islands	HLK	20 46N	156 15W	2090		Maui. From 1958 IX.
Hale Pohaku	Hawaii, Hawaiian Islands	HPU	19 46 51N	155 27 30W	3396		From 1969 VIII 18.
Halifax	Nova Scotia, Canada	HAL	44 38 15.6N	63 35 31.2W	64		Former position 44:38:16N 63:3530W 56m.
		HAL					Resurveyed 10 Nov 1987. From 1915.
Hallabat	Jordan	HLBJ	32 04 39N	36 18 09E	827		Replaced by HLBJ. From 1987 to 1987 X 24 from
		HLBJ					1989 X.
Halle	Sachsen-Anhalt, Germany	HLE	51 29 52.6N	11 57 24.8E	92		
Hallett	South Australia, Australia	HTT	33 25 50S	138 55 18E	708		From 1962 VI.
Halley Bay	Coats Land, Antarctica	HBA	75 31S	26 36W			*Closed*.
Hall's Lagoon	New South Wales, Australia	HLA	33 31 21.5S	150 54 58.6E	27		*Closed*. To 1972 VIII 09.
Hallstavik	Sweden	HVK	60 00 32.4N	18 33 57.6E	20		*Closed*. From 1980 I to 1991.
Hamada	Shimane, Honshū, Japan	HMD	34 53 36N	132 04 24E	21		
Hamaker Mt.	Oregon, USA	HAMO	42 04 08.3N	121 58 16.0W	1999		From 1993 X 06.
Hamamatsu	Shizuoka, Honshū, Japan	HMM	34 42 24N	137 43 24E	33		Hamamatu. To 1989III 25.
Hamamatsu 2	Shizuoka, Honshū, Japan	HMMJ	34 51 21.0N	137 43 17.4E	150		From 1989III 25.
Hamburg	Hamburg, Germany	HAM	53 27 54.4N	9 55 29.2E	30		From 1905 to 1942 XII 31 from 1952 V 01.
Hamburg	New York, USA	HMB	42 39 16.2N	78 51 09.0W	290		*Closed*. From 1971 IX to 1976 VII 28.
Hamelton Butte	Oregon, USA	VHBM	42 47 09.0N	121 20 57.6W	1945		MNLO code VHB.
Hamer Butte	Idaho, USA	HID	43 57 47N	112 09 50W	1527		*Closed*. From 1979 VIII 24.
Hamilton	California, USA	GHOM	39 02 40.0N	123 32 24.6W	687		Hamilton Opening.
Hamilton	Ontario, Canada	HML	43 15N	79 51W			*Closed*.
Hamilton	Alaska and Aleutians, USA	HMT	60 20 11.4N	144 15 38.4W	620		From 1977 VI 01.
Hamilton	New York, USA	HNY	42 49 54.6N	75 30 53.4W	500		*Closed*. From 1974 VII to 1978 VIII.
Hamilton Ranch	California, USA	HMR	38 09 16.8N	121 48 01.2W	65		From 1971 IV 29.
Hamman Mousa	Egypt	HAMM	28 16 34.8N	33 34 40.2E			
Hamren	Assam, India	HMNA	25 55 24N	92 36 30E			From 1985 I.
Hamta	Jordan	HMTJ	32 13 15N	35 48 44E	550		*Closed*. From 1983 IX to 1984 IX.
Hanceville	Alabama, USA	HVA	34 01 35.0N	86 46 09.1W	195		
Haney	British Columbia, Canada	HNB	49 16 28N	122 34 45W	185		From 1980 VI 20.
Haney	British Columbia, Canada	HYC	49 15 56N	122 34 23W	150		*Closed*. From 1975 IX 01 to 1980 VII 04.
Hanford	Washington, USA	HAN	46 36 12N	119 28 00W	329		
Hanford Gable B.	Washington, USA	HGB	46 35 51.7N	119 27 42.0W	165		Hanford Gable Butte.
Hannah	Montana, USA	HH−	48 56 53N	114 01 39W	1100		*Closed*. From 1963 VII 22 to 1964 VIII 05.
Hannah	North Dakota, USA	HH2	48 56 39N	98 40 56W	488		From 1966 V 23.
Hanning Flat	California, USA	WHFM	35 41 46.2N	118 20 54.6W	902		MNLO code WHF.
Hannō	Saitama, Honshū, Japan	JHU	35 51 06N	139 16 54E	250		
Hanoi	Vietnam	HNV	21 02 53N	105 47 50E	6		
Hanover	New Hampshire, USA	HNH	43 42 19N	72 17 08W	180		From 1975 VI 15.
Hansel Valley	Utah, USA	HVU	41 46 46.8N	112 46 30.0W	1609		
Ḥaql	Saudi Arabia	HQL	29 16 12N	35 02 49E	285		Correction to coordinates Feb 1995. From 1986.
Harding Lake	Alaska and Aleutians, USA	HDA	64 24 21.0N	146 57 13.8W	450		From 1977 IX.
Hard Peak	California, USA	LHEM	41 37 42.6N	122 13 07.8W	2155		From 1981 I 15.
Hard Times	Nevis, WIAS	NEV	17 08 10.0N	62 34 15.6W	244		Hard Times Estate. From 1980 VII 09.
Hardware Ranch	Utah, USA	HWUT	41 36 24.8N	111 33 54.7W	1830		
Harlan Ranch	California, USA	PHAM	35 50 09.6N	120 23 54.6W	455		
Harlequin Lake	Alaska and Aleutians, USA	HQN	59 27 06.0N	138 52 37.2W	372		From 1974 X 01.
Harmony Heights	Idaho, USA	HHI	46 28 32.4N	116 08 47.4W	636		*Closed*. From 1971 X to 1974 VII 15.
Harness Mt.	Oregon, USA	HSO	43 31 33N	123 05 24W	1020		From 1990 IX 20.
Haroharo	North Island, New Zealand	HARZ	38 05 28S	176 30 07E	740		From 1992 VI 15.
Harold F Ross	California, USA	AHRM	38 51 15.5N	121 04 13.8W	345		From 1976 I 29.
Harre	Nepal	HARN	28 25 12N	81 40 12E	1230		
Harrisonburg	Virginia, USA	HBV	38 26 18N	78 52 21W	411		From 1971 VI.
Harris Ranch	California, USA	HRC	36 46 12N	121 24 48W	228		*Closed*.
Hartford	Connecticut, USA	HAR	41 45N	72 41W			*Closed*. From 1947 to 1954.
Hartland	England, UK	HTL	50 59 40N	4 29 06W	91		From 1981 V.
Harts Bluff	South Carolina, USA	HBF	32 55 59.0N	80 22 39.6W	10		From 1973 III 23.
Harvard	Massachusetts, USA	HRV	42 30 23N	71 33 30W	180		Oak Ridge. From 1975 VIII.
Hashikami	Iwate, Honshū, Japan	HSH	40 24 42N	141 35 00E	355		
Hashīm	Jordan	HSHJ	29 25 16N	35 40 00E	1100		Correction to latitude 1992. From 1989IX 04.
Hassan Addkhil	Morocco	HAD	31 59 42N	4 27 18W	1124		Hassan Addkhil Dam.
Hastings	North Island, New Zealand	HAS	39 38S	176 53E	11		*Closed*. From 1931 to 1947.
Hastings	Minnesota, USA	HT−	44 51 10N	92 52 40W	274		*Closed*. From 1962 VIII 02 to 1962 X 05.
Hastings St. Pk	California, USA	BHSM	36 21 20.9N	121 32 23.3W	646		Hastings State Park. From 1975 IX 04.
Hatay	Turkey	HTY	36 07 16.2N	36 08 16.2E	84		
Hatchie Coon I.	Arkansas, USA	HCI	35 41 42N	90 20 42W	67		
Hat Creek	California, USA	LHCM	40 48 18.0N	121 30 50.4W	1020		
Hateruma jima	Ryūkyū Islands, Japan	HATJ	24 03 18N	123 48 36E	20		From 1992II 24.
Hathaway	Missouri, USA	HAWT	36 13 32.2N	89 39 34.6W	81		
Hatidyozima		HJJ	*See* Hachijō jima				
Hatinohe		HAC	*See* Hachinohe				
Hat Mesa	New Mexico, USA	HTMS	32 28 21N	103 38 03W	1192		From 1991.
Hattorf	Hessen, Germany	HAT	50 49 46.9N	9 56 39.1E	−592		From 1980.
Haudompre	Lorraine, France	HAU	48 00 20N	6 20 53E	577		
Hauterive	Quebec, Canada	HTQ	49 11 30N	68 23 38W	123		From 1982 IV 15.
Havelock North	North Island, New Zealand	HNZ	39 41S	176 53E	18		*Closed*. From 1947 to 1953.
Haverah Park	England, UK	HPK	53 57 19.4N	1 37 26.4W	227		From 1978.
Haverstraw	New York, USA	HAVE	41 13 57.0N	74 06 40.8W	268		
Havilah	California, USA	HAV	35 30 36N	118 31 00W	990		*Closed*. From 1952 VII to 1952 IX 04.
Havilah	California, USA	WHVM	35 30 36.0N	118 31 04.2W	1006		MNLO code WHV.
Haviland		BRK	*See* Berkeley				
Havre	Montana, USA	HV−	48 25 20N	109 49 20W	884		*Closed*. From 1965 X 25 to 1965 XII 31 from 1967
		HV−					VIII 03 to 1967 XII 10.
HawaiianBeaches	Hawaii, Hawaiian Islands	HBH	19 31 53.4N	154 53 53.4W	92		
Hawaiian Volcano	Hawaii, Hawaiian Islands	HVO	19 25 24N	155 17 36W	1240		Kilauea Hawaiian Volcano Observatory. From
		HVO					1912.
Hawaii Inst. Geo.	Hawaii, Hawaiian Islands	HIG	21 17 05N	157 49 10W	18		Hawaii Institute of Geophysics. From 1964 V.
Hawaii Island	Hawaii, Hawaiian Islands	HW−	19 58 49N	155 42 20W	705		*Closed*. From 1963 VII 24 to 1964 X 22.
Haweek	Syria	HAWK	34 31 00.1N	36 24 19.1E	895		From 1995 IX.
Hawks Nest	South Australia, Australia	HKN	30 00 42S	135 11 12E	171		
Hawk Springs	Wyoming, USA	HK−	41 41 45N	104 21 25W	1494		*Closed*. From 1962 VII 17 to 1962 X 05.
Hayfield	California, USA	HAY	33 42 30N	115 38 18W	439		From 1956 VI 20.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Hayfork Bally	California, USA	KHBM	40 39 36.6N	123 13 06.6W	1885		
Hay Springs	Nebraska, USA	HS−	42 25 32N	102 42 52W	1158		*Closed*. From 1962 V 09 to 1962 VI 28.
Haystack Butte	California, USA	HYS	34 51 49.8N	117 34 07.2W	867		
Haystack Fork	Wyoming, USA	HAYW	43 38 22.5N	110 19 57.0W	2835		From 1990 IX.
HaystackLookout	Washington, USA	HTW	47 48 12.5N	121 46 08.7W	829		From 1975 VI 11.
Hayti	Missouri, USA	HATI	36 10 37.2N	89 40 33.6W	83		
Headley	England, UK	HEA	51 21 30N	1 15 50W	114		
Headquarters	Colorado, USA	HDQ	39 33 30N	105 04 45W	1683		*Closed*. From 1973 I to 1976 XI 30.
Healdsburg	California, USA	NHBM	38 35 21.5N	122 54 32.4W	165		From 1975 II 21.
Heard Island	Heard Island	HII	53 01 12S	73 23 06E	10		*Closed*.
Hearst Castle	California, USA	PHCM	35 40 55.9N	121 09 09.0W	514		
Heber	Arizona, USA	HR−	34 40 11N	110 45 59W	1875		*Closed*. From 1964 VII 10 to 1965 X 04.
Hedekas	Sweden	HED	58 40 48.0N	11 46 40.8E	78		*Closed*. From 1980 I to 1991.
Heerlen	Netherlands	HEE	50 53 06N	5 58 54E	115		*Closed*. From 1926 IV 18 to 1981 I 01.
Hegura jima	Ishikawa, Honshū, Japan	JHG	37 50 54N	136 55 12E	10		
Heguri	Nara, Honshū, Japan	JHE	34 39 12N	135 41 06E	250		
Heidelberg	Baden-Württemberg, Germany	HEI	49 23 55N	8 43 35E	560		Königsstuhl.
Heidenheim	Baden-Württemberg, Germany	HDH	48 35 03.3N	10 12 25.2E	501		Heidenheim−Charlottenöle.
Heiheiahulu	Hawaii, Hawaiian Islands	HUL	19 25 07.8N	154 58 43.2W	369		
Heijo		PYO	*See* Pyŏngyang				
Heimansgroeve	Netherlands	HGN	50 45 50.4N	5 55 54.1E	135		From 1993 III 01.
Heizo		PYO	*See* Pyŏngyang				
Helez	Israel	HLZ	31 36 00N	34 38 24E	100		
Helgoland	Schleswig-Holstein, Germany	HLG	54 11 04.8N	7 53 01.9E	41		Heligoland.
Hells Half Acre	Idaho, USA	HHAI	43 17 42.0N	112 22 46.2W	1391		
Helmville	Montana, USA	HLM	46 53 21.9N	112 55 59.3W	1365		*Closed*. From 1974 IX 03 to 1976 X 04.
Helsinki	Finland	HEL	60 10 32.3N	24 57 25.2E	20		Helsingfors.
Helwan	Egypt	HLW	29 51 30N	31 20 30E	116	WWSSN	From 1903.
Hempstead	Texas, USA	HE−	30 11 59N	96 05 31W	67		*Closed*. From 1963 VII 25 to 1964 III 16.
Hendek	Turkey	HENT	40 49 23N	30 53 57E	583		
H. Verwoerd Dam	Cape Province, South Africa	HVD	30 36 18S	25 29 48E	1433		Verwoerd Dam Hendrik Verwoerd Dam.
Hengchun	Taiwan, China	HEN HEN	22 00 19.7N	120 44 17.0E	22		Kosyun Henchuan. Correction to coordinates Nov 1990.
Hengchun	Taiwan, China	TWK1	21 56 35.8N	120 48 19.0E	90		From 1978 I 15.
Heniu Mare	Romania	HNM	47 16 39N	24 44 02E	1580		*Closed*. From 1982 IX 01 to 1989 I 01.
Hepp	Alaska and Aleutians, USA	HPP	64 47 25.8N	147 57 33.0W	170		*Closed*. From 1971 XI 09 to 1976 VI.
Herceg Novi	Montenegro	HCY	42 26 51.0N	18 29 54.1E	273		From 1983 XII 25.
Heredia	Costa Rica	HDC HDC	10 00 04.8N	84 06 50.4W	1150		*Closed*. From 1984 III 17 to 1985 from 1986 XII 04 to 1987.
Heredia 2	Costa Rica	HDC2	10 01 25.2N	84 07 48.0W	1220		From 1985 to 1986 XII 04 from 1987.
Hereke	Turkey	HRT	40 49 18.1N	29 40 04.8E	645		From 1980.
Hermanus	Cape Province, South Africa	HER	34 25 30S	19 13 30E	26		*Closed*.
Hermiston	Oregon, USA	HRO	45 50 08.4N	119 22 51.0W	172		
Hernandez Valley	California, USA	HVC	36 22 22.8N	120 49 07.8W	750		*PHRM* From 1969 XI 26.
Hiawatha	Kansas, USA	HWK	39 48 07.8N	95 29 47.4W	320		From 1978 X 05.
Hibok Hibok	Mindanao, Philippines	VHH	9 13 59N	124 40 19E			From 1993.
Hicks Bay	North Island, New Zealand	HBZ	37 35 57S	178 18 05E			From 1985 VII 26.
Hidaka	Wakayama, Honshū, Japan	HDK	33 55 33.3N	135 08 20.3E	30		*Closed*. From 1965 I to 1974 IV 03.
Hidaka−Cho	Hidaka, Hokkaidō, Japan	HIC	42 53 29.3N	142 27 26.4E	330		From 1976VII 01.
Hidalgo Mountain	California, USA	HDG	34 25 43.8N	116 18 18.0W	1347		From 1974 IV.
Hidden Bay	Alaska and Aleutians, USA	AD4	51 41 55N	176 37 57W	213		*Closed*. From 1974 to 1992 II 01.
Hidden Lake	Pennsylvania, USA	HKP	41 02 17.4N	75 03 42.0W	337		*Closed*. From 1973 II to 1974 VII.
Hierbabuena	Ecuador	HIER	2 43 12S	79 25 12W	2800		To 1996 I 06.
Highclere	Barbados, WIAS	BDH	13 12 10.8N	59 35 20.4W	308		From 1978 XI 19.
High Heaven	Oregon, USA	VHHM	45 15 52.8N	123 18 34.2W	533		MNLO code VHH.
High Hoyland	England, UK	HHWY	53 35 12.1N	1 35 50.6W	205		
Highland Ranch	Colorado, USA	HLR	39 32 14N	104 58 28W	1782		*Closed*. From 1973 I to 1976 XI 30.
Highland Springs	California, USA	GHLM	39 02 25.8N	123 01 07.3W	956		From 1975 VI.
High Valley	California, USA	GHVM	39 05 06.0N	122 44 03.6W	1036		
Hikimi	Shimane, Honshū, Japan	JHIK	34 31 52.8N	131 55 45.0E	350		From 1997XII.
Hikone	Shiga, Honshū, Japan	HIK	35 16 24N	136 14 48E	87		
Hilina Pali	Hawaii, Hawaiian Islands	HLP	19 17 57.6N	155 18 37.8W	707		From 1970 IX.
Hilo	Hawaii, Hawaiian Islands	HIL	19 43 12N	155 05 18W	20		HON. From 1922.
Hilton Creek	California, USA	HTCR	37 31 47.4N	118 46 15.6W	3012		From 1984 VII 19.
Himeji	Hyogo, Honshū, Japan	HIM	34 50 12N	134 40 24E	39		
Himekami	Iwate, Honshū, Japan	HMK	39 50 54N	141 14 48E	586		
Hinai	Akita, Honshū, Japan	JAH	40 11 19.2N	140 38 09.0E	140		
Hinchinbrook I.	Alaska and Aleutians, USA	HIN	60 23 48.6N	146 30 06.0W	611		From 1974 X 03.
Hinckley	Maine, USA	HKM	44 39 23.0N	69 38 26.9W	79		*Closed*. To 1999 I.
Hinemaiaia	North Island, New Zealand	HATZ	38 53 31.9S	176 05 30.8E	492		From 1985 V.
Hinesburg	Vermont, USA	HBVT	44 21 44.3N	73 03 54.0W	344		
Hingarae	North Island, New Zealand	HITZ	38 42 31S	175 45 59E	458		From 1984 XII.
Hinteralfeld	Lorraine, France	HINF	47 49 00N	6 51 11E	720		From 1996 IV 03.
Hinton	West Virginia, USA	HWV	37 35 26N	80 50 27W	521		*Closed*. From 1978 IV to 1998.
Hiroka	Fukushima, Honshū, Japan	JHK	37 14 54.0N	139 01 01.2E	195		From 1994IV.
Hiroo	Tokachi, Hokkaidō, Japan	HOO	42 17 30N	143 19 12E	32		
Hiroo 2	Tokachi, Hokkaidō, Japan	HOOJ	42 23 00N	143 17 12E	−1		
Hiroshima	Hiroshima, Honshū, Japan	HIR	34 21 48N	132 26 12E	30		Moved to HIR1 1987:12:23. From 1935I.
Hiroshima	Hiroshima, Honshū, Japan	HIR1	34 23 42N	132 27 54E	−4		From 1987XII 23.
Hiroshima 2	Hiroshima, Honshū, Japan	HIRJ	34 25 42N	132 33 54E	412		From 1988III 22.
Hitachi	Tochigi, Honshū, Japan	JHO	36 36 39.0N	140 34 07.2E	215		From 1995IV.
Hittiya	Jordan	HITJ	29 44 34.8N	35 50 27.6E	1235		From 1989 X 29.
Hiyama	Hiyama, Hokkaidō, Japan	JHY	41 40 39.6N	140 03 26.4E	30		
H. Mason	Oregon, USA	HMO	45 32 17N	122 34 19W	64		H. Mason (Portland State University). From 1975.
Ho	Ghana	HOGH	6 36 33N	0 26 42E	372		From 1987.
Hoa−Binh	Vietnam	HBVN	20 49 33.3N	105 21 06.9E	30		From 1979 VII 27.
Hobart	Tasmania, Australia	FNT	42 55 35.4S	147 21 13.0E	184		*Closed*. Fort Nelson. From 1957 to 1962.
Hobart Mills	California, USA	HBM	39 24 06.1N	120 09 11.9W	1804		From 1970 III 24 to 1973 IV.
Hobart Mills	California, USA	HBT	39 25 36N	120 09 48W	1804		From 1973 IV.
Hobart (Okla)	Oklahoma, USA	HB−	35 10 35N	98 54 37W	491		*Closed*. From 1961 XI 09 to 1963 IV 10.
Hockley	Texas, USA	HKT	29 57N	95 50W	−415		From 1973 VI.
Hodge	California, USA	HOD	34 50 19.8N	117 14 45.0W	829		
Hodges Ranch	California, USA	BHRM	36 43 40.2N	121 15 49.8W	213		
Hof	Bayern, Germany	HOF	50 18 49N	11 52 39E	566		From 1909 to 1945 from 1955.
Hoffen	Alsace, France	HOFF	48 56 30N	7 57 50E	150		
Hogback Ridge	California, USA	GHGM	39 07 41.9N	122 49 28.2W	903		From 1975 IV 18.
Hog Canyon	California, USA	PHGM	35 52 33.6N	120 29 00.6W	792		
Hoggard's Bluff	Arkansas, USA	HOGG	35 13 17.8N	92 14 27.6W	133		From 1985 VIII.
Hogget Hill	South Island, New Zealand	HHP	44 19 39S	170 20 44E	490		*Closed*. From 1975 VI 01 to 1983 XI 21.
Hohenheim	Baden-Württemberg, Germany	HOH	48 43N	9 13E	396		*Closed*. From 1903 to 1934 I.
Hohkeppel	Nordrhein-Westfalen, Germany	HOK	50 58 49N	7 18 44E	230		From 1976 VI.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Hoima	Uganda	HOI	1 25 04.8N	31 20 31.2E	1094		From 1991 VII.
Hokkaido Univ.	Ishikari, Hokkaidō, Japan	HSS	42 57 52.8N	141 13 56.7E	215		
Hokoto		PNG	*See* Penghu				
Hokuryū	Sorachi, Hokkaidō, Japan	JHR	43 44 34.8N	141 43 29.4E	195		
Holberg	British Columbia, Canada	HOLB	50 38 25.8N	128 07 54.5W	564		From 1991 VIII.
Holland Mills	Quebec, Canada	HMC	45 45 30N	75 38 54W	175		*Closed*. To 1973 IV 06.
Hollywood	South Carolina, USA	HWD	32 44 21N	80 17 00W	4		
Holmfirth	England, UK	LHO	53 32 42.4N	1 51 17.3W	460		From 1991.
Holstrom Ranch	California, USA	JHLM	37 06 33.5N	121 49 57.0W	908		From 1975 X 02.
Holt	Alabama, USA	HLT	33 13 20.4N	87 30 27.6W	95		
Holter Research	Montana, USA	HRF HRF	46 35 39.6N	112 02 40.2W	1256		Holter Research Foundation − Helena. To 1983 VIII from 1984 VIII.
Holter Research	Montana, USA	HRY HRY	46 42 40.8N	111 49 52.2W	1341		Holter Research Foundation−York Bridge. From 1980 XI 08.
Holy Cross	California, USA	HCC	36 58 53N	121 43 21W	159		*Closed*. From 1967 V 02 to 1975 X 12.
Holy Mt Cemetery	New York, USA	HMCY	40 57 53.4N	73 48 11.4W	245		Holy Mount Cemetery. From 1985 XII.
Homer	Alaska and Aleutians, USA	HOM	59 39 30N	151 38 36W	198		From 1976 VIII.
Homestead Nat.	Nebraska, USA	HMN	40 17 11N	96 50 08W	368		Homestead National Monument. From 1979 III 10.
HON		HIL	*See* Hilo				
Honcut	California, USA	OHCM	39 20 08.5N	121 29 02.4W	79		From 1975 VIII 05.
Hondo	Kumamoto, Kyūshū, Japan	JHD	32 27 48N	130 08 12E	70		
Honeyville	Utah, USA	HONU	41 36 36.0N	111 55 01.2W	1515		From 1989 VI 13.
Hong Kong	Hong Kong	HKC	22 18 12.8N	114 10 18.8E	27	WWSSN	From 1921 X to 1941 XII from 1951 VIII.
Hongo	Tōkyō, Honshū, Japan	HGJ	35 42 56N	139 45 46E	19		From 1965V.
Hongo	Tōkyō, Honshū, Japan	HNG	35 42 40N	139 45 59E	18		*Closed*.
Honiara	Solomon Islands	HNR	9 25 53.9S	159 56 47.6E	72	WWSSN	From 1960 X to 1961 XII 31 from 1962 II 07.
Honjō	Akita, Honshū, Japan	HJH HJH	39 20 18N	140 10 24E	136		*HJY* Formerly referred to as HJY. From 1975 IV.
Honolulu	Hawaii, Hawaiian Islands	HON	21 19 27N	158 00 02W	2	WWSSN	Correction to coordinates Apr 1992. From 1902.
Honolulu (M.)	Hawaii, Hawaiian Islands	HNL	21 21 30N	157 48 35W	243		*Closed*. Manoa Valley. From 1964 V to 1974.
Honuapo	Hawaii, Hawaiian Islands	HPO	19 05 20N	155 33 14W	15		Correction to coordinates Apr 1992.
Hood Meadows E	Oregon, USA	VHEM	45 19 43.2N	121 40 27.6W	1739		
Hoodsport	Washington, USA	HDW	47 38 54.6N	123 03 15.2W	1006		
Hope	Jamaica	HOJ	18 00 07.2N	76 45 00.0W	200		Mona. From 1965 VIII 21.
Hope Bay	Jamaica	HOP	18 01 19.2N	76 45 00.0W	200		*Closed*. From 1961 XI to 1965 VI.
Hope Pt	South Georgia Islands, Antarctica	HOPE HOPE	54 17 01.0S	36 29 16.4W	20		
Hopland	California, USA	HOPS	38 59 38.4N	123 04 19.2W	299		From 1994 X 20.
Hornachuelos	Spain	EHOR EHOR	37 49 23N	5 14 53W	160		Correction to coordinates Aug 1991. From 1985 V.
Horndal	Sweden	HRN	60 15 00.0N	16 29 09.6E			From 1980 I.
Hornsund	Svalbard	HSP	77 00 29.4N	15 33 01.5E			
Horqueta	Colombia	HOQC	3 28 04.8N	76 38 01.2W	2220		From 1987.
Horse Canyon	Utah, USA	HCU	39 29 18N	110 20 42W	2134		*Closed*. From 1962 I to 1977 III.
Horsefly Mt.	Oregon, USA	VHYM	42 15 52.2N	121 02 57.0W	1932		MNLO code VHY.
Horse Heaven H.	Washington, USA	HHH	46 10 18N	119 23 01W	490		Horse Heaven Hills. From 1987 III.
Horse Mt.	California, USA	KHMM	40 52 28.8N	123 43 53.4W	1509		
Horseshoe Bay	British Columbia, Canada	HBC	49 22 39N	123 16 33W			*Closed*. From 1951 to 1960 IV 30.
Horta	Azores	HOR	38 31 36N	28 37 48W	60		
Hoshina	Nagano, Honshū, Japan	HSJ	36 35 02.6N	138 16 25.9E	490		From 1968VII 21.
Hoskins	New Britain	DAW	5 33S	150 28E	250		*Closed*. Daw. From 1969 XI 02 to 1970.
Hososhima	Miyazaki, Kyūshū, Japan	JMH	32 34 18N	131 35 18E	60		*Closed*.
Hot Caves	Hawaii, Hawaiian Islands	HTC	19 14 19.8N	155 24 01.2W	381		
Hot Creek Range	Nevada, USA	HCR	38 14 01N	116 26 08W	2030		
Hot Spot	Washington, USA	HSW	46 31 46.2N	119 33 16.2W	217		*Closed*. From 1970 VI to 1971 X.
Hot Springs Mt.	California, USA	HOT	33 18 50.4N	116 34 53.4W	1963		From 1976 I.
Houlton	Maine, USA	HN−	46 09 43N	67 59 09W	213		*Closed*.
Houlton	Maine, USA	HNME	46 09 35.6N	67 59 12.1W	209		*Closed*. To 1999 I.
House Creek	California, USA	GHCM	38 36 21.6N	123 11 48.5W	518		From 1975 V 07.
Houston	Texas, USA	HOU	29 43 08N	95 24 08W	5		
Houston − E.T.	Texas, USA	HET HET	29 43 12.0N	95 28 11.5W	6		*Closed*. Houston − Electro−tech. From 1961 to 1965 IV.
Howard	Pennsylvania, USA	HD−	40 59 44N	77 35 44W	369		*Closed*. From 1964 IX 25 to 1965 I 25.
Howe Peak	Idaho, USA	HPI	43 42 41N	113 05 50W	2597		From 1972 X.
Howe Scarp	Idaho, USA	HWSI	43 55 19.8N	113 06 22.2W	1740		From 1992.
Howrah	West Bengal, India	HOW	22 25 00N	88 18 33E	3	WWSSN	From 1952.
Hoy	Orkney Islands, UK	OHO	58 49 55.6N	3 14 47W	172		From 1995 IX 21.
Høyanger	Norway	HYA	61 09 57.6N	6 11 13.2E	30		
Hoyt Mine	Nevada, USA	HYX	39 46 22.1N	117 45 47.9W	1661		From 1980 I.
Hoyt Peak	Utah, USA	HTU	40 40 31N	111 13 13W	2575		From 1974 XI.
Hsi−an		SIA	*See* Xi'an				
Hsi−an		XAN	*See* Xi'an				
Hsiaoliuchiu	Taiwan, China	TWP	22 20 45.6N	120 21 45.0E	80		From 1978 I 02.
Hsinchu	Taiwan, China	HSN	24 48 08N	120 58 10.5E	34		Sinjo Correction to position Nov 1990.
Hsinking		HSK	*See* Changchun				
Hsinkong	Taiwan, China	HSI	23 06N	121 22E	36		*SGK* Singkong.
Hsinying	Taiwan, China	TWK	23 16 00.0N	120 29 16.8E	590		From 1974 VII 19.
Hua−ch'i		HXI	*See* Guiyang				
Hualalai	Hawaii, Hawaiian Islands	HUH	19 41 15.0N	155 50 19.2W	2189		From 1971 V 06.
Hualilan	San Juan, Argentina	HLN	30 44 11.1S	68 56 57.0W	2000		
Huancayo	Peru	HUA	12 02 18.1S	75 19 22.1W	3313		From 1932 IV.
Huánuco	Peru	HCO	9 49 48S	76 13 48W	1851		
Huaráz	Peru	HUZ	9 31 44S	77 30 30W	3300		From 1972.
Huatulco	Oaxaca, México	HUIG	15 46 06.2N	96 06 29.5W	150		Coordinates corrected Mar 1999.
Huaypira	Peru	CHP5	4 36 18S	80 30 04W	240		
Hube		FUB	*See* Fube				
Huckleberry Mt.	Oregon, USA	HBO	43 50 39.6N	122 19 11.9W	1615		From 1990 IX 19.
Huddart Park	California, USA	JHPM	37 26 39.0N	122 18 05.4W	347		MNLO code JHP.
Hudson	Ontario, Canada	HUO	50 04 50N	92 05 53W	367		From 1986 X 02.
Huehuecho	El Salvador	HUES	13 46 42N	89 00 00W	910		From 1991 XII.
Huéscar	Spain	EHUE	37 48 53.2N	2 35 33.6W	980		From 1990 XI 13.
Hu−ho−hao−te	Nei Monggol Zizhiqu (Inner Mongolia), China	HHC HHC	40 50 58N	111 33 49E	1169		Hohhot, Huhehot.
Huitzitzil	Guatemala	HUG	14 01 14.9N	91 19 24.6W			From 1987 X.
Huka	North Island, New Zealand	HUTZ	38 38 02S	176 05 41E	360		From 1985 IX.
Hukue		FKJ	*See* Fukue				
Hukui		FUK	*See* Fukui				
Hukuoka		FKK	*See* Fukuoka				
Hukushima		FKS	*See* Fukushima				
Hull Mountain	California, USA	GHMM GHMM	39 29 44.4N	122 55 48.0W	1486		MNLO code GHM. Coordinates corrected Feb 1997.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Humahuaca	Jujuy, Argentina	HJA	23 12 28.6S	65 24 34.3W	3178		Coordinates corrected Nov 1997.
Humbligny	Centre, France	HYF	47 16 06.5N	2 38 22.0E	428		
Humuula	Hawaii, Hawaiian Islands	HMH	19 36 18.6N	155 29 07.8W	2445		Humuula Sheep Station.
Hunatsu, Hurato, Kawaguchiko		FUN	*See* Funatsu				
Hundersingen	Baden-Württemberg, Germany	HUN	48 04 45N	9 24 30E	565		
Hundred Mile H.	British Columbia, Canada	HM− HM−	51 39 18N	121 28 32W	1128		*Closed*. Hundred Mile House. From 1962 VII 26 to 1962 X 05.
Hungry Horse	Montana, USA	HHM	48 20 58N	114 01 39W	1100		*Closed*. From 1947 XI 10 to 1979 XII 16.
Huntoon Valley	Nevada, USA	HCK	38 04 31.8N	118 35 31.8W			
Hurbanovo	Slovak Republic	HRB	47 52 25N	18 11 34E	115		Ogyalla, Stará Dala.
Huron Bridge	California, USA	PHBM	36 14 55.8N	120 04 57.6W	100		Huron Fishing Bridge.
Hurricane	Alaska and Aleutians, USA	HUR HUR	62 58 40.0N	149 38 10.8W	505		Old position 62:58:44.0N 149:38:46.2W 510m. From 1971 VIII to 1975 VI from 1986 VII 18.
Hurricane Hollow	Tennessee, USA	HHT	36 10 16N	87 54 05W	113		*Closed*.
Husiki		HKI	*See* Fushiki				
Huta Ginjang	Sumatera, Indonesia	HUTI	2 18 55N	98 58 16E	1600		
Huxley Gorge	South Island, New Zealand	HGP	44 06 09S	169 50 39E	590		*Closed*. From 1975 VI 01 to 1983 XI 21.
Hvar	Croatia	HVAR	43 10 40.8N	16 26 52.8E	250		From 1986 X 01.
Hwalien	Taiwan, China	HWA	23 58 37.1N	121 36 18E	16		Karenko Correction to position Nov 1990.
Hyde Park	Utah, USA	HDU	41 48 16N	111 45 53W	1853		From 1975 III.
Hyderabad	Andhra Pradesh, India	HYB	17 25 01N	78 33 11E	510		Nat*Geophys*Res*Inst*. From 1967 XII 11.
Hyderabad	Andhra Pradesh, India	HYD	17 26N	78 27E	528		*Closed*. To 1967 XII.
Hysham	Montana, USA	HY−	45 58 22N	107 04 54W	975		*Closed*. From 1964 XI 30 to 1965 IX 19.
Iaşi	Romania	IAS	47 11 36N	27 33 42E	160		Iassy. From 1951 XII 10.
Ibuki Yama	Shiga, Honshū, Japan	IBU	35 22 42N	136 22 36E	30		*Closed*. Ibuki San.
Ica	Peru	ICA	14 04 30S	75 43 30W	500		
Ice Cap	Greenland	IC−	77 56 48N	39 11 00W	2365		*Closed*. From 1966 VII 06 to 1967 VIII 28.
Ichinoseki	Iwate, Honshū, Japan	JMK	38 57 06.6N	141 13 11.4E	70		
Idaho Array	Idaho, USA	IDA	43 47 12N	113 01 21W	1524		*Closed*.
Idaho Array 1	Idaho, USA	ID1	43 37 12N	113 19 42W	1638		*Closed*.
Idaho Array 2	Idaho, USA	ID2	43 31 42N	112 50 12W	1521		*Closed*.
Idaho Array 3	Idaho, USA	ID3	43 51 27N	112 42 30W	1460		*Closed*.
Idaho Array 4	Idaho, USA	ID4	43 43 30N	112 47 48W	1478		*Closed*.
Idaho Array 5	Idaho, USA	ID5	43 53 54N	113 36 57W	1829		*Closed*.
Idaho Springs	Colorado, USA	ISCO	39 47 59.0N	105 36 48.3W	2743		From 1996 X 17.
Idriss Premier	Morocco	IDR	34 09 57.6N	4 45 00.0W	217		Barrage Idriss Premier. From 1979 VI.
Ifrane	Morocco	IFR	33 31 01N	5 07 37W	1630		From 1964 XI 01.
Igloolik	Northwest Territories, Canada	IGL	69 22 36N	81 48 24W	38		From 1975 IX 03.
Igoumenitsa	Greece	IGT	39 31 57N	20 19 57E	320		From 1989 IV.
Iguala	Guerrero, México	III	18 22 33.6N	99 28 04.8W	1740		
Iheya	Ryūkyū Islands, Japan	JIH	27 02 05.4N	127 58 01.8E	25		
Iida	Nagano, Honshū, Japan	IID	35 30 36N	137 50 12E	484		
Iida	Nagano, Honshū, Japan	IIDJ	35 28 48N	137 54 42E	528		*IJDJ* Iida outpost. From 1978III.
Iinan	Mie, Honshū, Japan	INA	34 26 46.6N	136 22 29.2E	160		*Closed*. From 1965 VII to 1970 VII.
IISEE	Tōkyō, Honshū, Japan	IIS IIS	35 42 35N	139 41 50E	25		International Institute of Seismology and Earthquake Engineering.
Iizuka	Fukuoka, Kyūshū, Japan	IZK	33 39N	130 42E			*Closed*.
Iki	Nagasaki, Kyūshū, Japan	JII	33 47 42N	129 43 54E	70		
Ikuma	Shimane, Honshū, Japan	JNM	35 29 48N	133 01 48E	20		
Ikusaka	Nagano, Honshū, Japan	IKJ	36 25 18.5N	137 56 38.6E	500		*Closed*. From 1968 VII to 1970 III 15.
Ilan	Taiwan, China	ILA ILA	24 45 56.0N	121 44 52.6E	7		*YLA* Ylan, Giran Correction to coordinates Nov 1990. From 1936.
Ile d'Oléron	Poitou-Charentes, France	OLEF OLEF	45 56 40.5N	1 20 55.8W	3		Coordinates corrected Nov 1997. From 1994 XII 06.
Ilha Flores, Morro dos Frades		FLOR	*See* Flores Is				
Ili	Kazakhstan, CIS	ILI	43 55N	77 06E			*Closed*.
Iliamna	Alaska and Aleutians, USA	ILIM	60 04 48.6N	152 57 34.2W	823		
Iliamna	Alaska and Aleutians, USA	ILM	60 10 55.2N	152 48 58.2W	550		From 1971 VIII 07.
Iliamna	Alaska and Aleutians, USA	IVE	60 00 58.3N	153 00 59.6W	1128		Iliamna Volcano East. From 1996.
Iliamna NE	Alaska and Aleutians, USA	INE	60 03 39N	153 03 45W	1585		Iliamna North East. From 1990 VIII 29.
Iliamna NW	Alaska and Aleutians, USA	INW INW	60 04 03.6N	153 07 57.0W	1219		*Closed*. Iliamna North West. From 1990 VIII 29 to 1994.
Iliamna South	Alaska and Aleutians, USA	IVS	60 00 33.0N	153 04 51.0W	2332		From 1990 VIII 29.
Iliamna West	Alaska and Aleutians, USA	ILW	60 03 36.0N	153 08 10.2W	1722		From 1994 X.
Iloilo	Panay, Philippines	ILO	10 42N	122 34E			*Closed*.
Imagane	Hiyama, Hokkaidō, Japan	IMG	42 23 25.7N	140 08 39.8E	90		
Imi Mikki	Morocco	IMK	30 31 26N	9 39 06W	60		From 1991 XII 17.
Imperia	Italy	IMI	43 54 36.6N	7 53 21.6E	860		Liguria.
Imphal	Manipur, India	IMP	24 47N	93 56E	785		
In Amguel	Algeria	IAA	23 49 20N	5 10 30E			*Closed*. Issek Toufreg.
Inchŏn	South Korea	INC	37 29N	126 38E	70		*Closed*. Tyosen Zinsen.
Inchŏn	South Korea	INCN	37 28 58.8N	126 37 58.8E	420		
Independence	California, USA	IND	39 26 03.5N	120 17 30.1W	2146		
India	India	UMI	25 31N	92 44E			
Indiana Array	Indiana, USA	IN1	40 32 31.2N	85 53 37.0W			*Closed*. From 1980 to 1996.
Indiana Array	Indiana, USA	IN2	39 56 20.4N	86 46 59.3W			*Closed*. From 1980 to 1996.
Indiana Array	Indiana, USA	IN3	39 15 55.0N	85 47 07.5W			*Closed*. From 1980 to 1996.
Indiana Array	Indiana, USA	IN4	39 34 11.1N	84 54 10.4W			*Closed*. From 1980 to 1996.
Indiana Univ.	Indiana, USA	ISU	39 28 17N	87 24 27W	148		Indiana State University.
Indian Gallows	St Vincent, WIAS	SVG	13 14 42.0N	61 16 40.8W	46		
Indian Meadow	Wyoming, USA	IMW	43 53 49.2N	110 56 21.0W	2646		
Indian Mountain	Alaska and Aleutians, USA	IMA	66 04 06.5N	153 40 43.0W	1380		
Indian Mt. Ar.	Alaska and Aleutians, USA	IM3	65 59 00.6N	153 44 56.8W	372		Indian Mountain Array. From 1993 VII.
Indianola	Nebraska, USA	INDN	40 11 33.0N	100 24 00.6W	762		
Indian Valley	California, USA	PIVM	35 54 23.4N	120 40 56.3W	497		From 1975 IX 24.
Indio Hills	California, USA	INDC	33 48 58.2N	116 13 46.8W	354		
INEL Research	Idaho, USA	IRCI	43 30 55.2N	112 02 00.0W	1442		INEL Research Center. From 1990 III 15.
Infanta	Luzon, Philippines	INF	14 45 00N	121 38 48E	5		
Ingas	Bali, Indonesia	INGI	8 49 06S	115 08 41E	202		
Inge Lehmann	Greenland	ILG	77 56 48N	39 11 00W	2401		*Closed*.
Ingram Point	Oregon, USA	VIPM	44 30 29.4N	120 37 07.8W	1731		MNLO code VIP.
Ingram Ranch	California, USA	ING	32 59 18.0N	115 18 36.6W	2		From 1973 IV 16.
Ink	Arkansas, USA	IK−	34 37 10N	94 06 09W	305		*Closed*. From 1962 XI 10 to 1962 XII 13.
Inkopah	California, USA	IKP	32 38 55.8N	116 06 28.8W	957		From 1972 XI 08.
Innsbruck	Austria	IBK	47 15 38N	11 23 05E	580		From 1973 III.
Innsbruck	Austria	INN	47 16N	11 24E	575		*Closed*.
Inspiration	California, USA	INS	33 56 08.2N	116 11 39.6W	1700		From 1974 IV.
Inst. Agronom.	Guadeloupe	IAG	16 05 02.4N	61 36 00.0W	250		Institut Agronomique.
Inst. Geofisica	Portugal	INMG INMG	38 46 27.6N	9 07 32.4W	93		Instituto Nacional de Meteorologia e Geofisica. From 1993 II.
Inst. Hidrografia	Valparaíso, Chile	IHA	33 01 32.7S	71 38 27.9W	88		From 1988 I.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Instituto de Ing.	México D.F., México	IIM	19 19 33.5N	99 10 55.2W	2275		Instituto de Ingenieria, UNAM. Small correction
		IIM					to position Nov 1997.
Inuvik	Northwest Territories, Canada	INK	68 18 25.2N	133 31 12.0W	40		From 1969 II 22.
Inuyama	Aichi, Honshū, Japan	INU	35 20 55.8N	137 01 02.7E	140		From 1966VI.
Inveralochy	New South Wales, Australia	INV	34 57 54S	149 40 00E	650		*Closed*. From 1959 to 1983 VI 14.
Inveralochy	New South Wales, Australia	IVN	34 58S	149 40E	650		*Closed*. From 1972 VIII 09 to 1983 VI 14.
Inveralochy	New South Wales, Australia	IVY	34 58 19.8S	149 43 06.0E	650		From 1983 VI 14.
Ione	Nevada, USA	IO−	38 31 33N	117 38 20W	1737		*Closed*.
Ipanguacu	Rio Grande do Norte, Brazil	IPA	5 41 45S	36 51 22W	65		From 1987 VIII.
Ipeti	Panama	IPE	8 58 37.8N	78 29 36.0W			
Ipoh	Peninsular Malaysia, Malaysia	IPM	4 34 46.2N	101 01 31.8E	246		From 1979 V 26.
Iquique	Tarapacá, Chile	IQQ	20 14 27S	70 07 40W			From 1976.
Ira	Vermont, USA	IVT	43 31 19.6N	73 03 11.9W	295		*Closed*. To 1999 I.
Iran LP Array	Iran	IR1	35 24 58.2N	50 41 19.5E	1347		From 1976 I.
Iran LP Array	Iran	IR2	35 39 46.1N	50 53 51.5E	1172		From 1976 I.
Iran LP Array	Iran	IR3	35 28 34.0N	51 01 25.5E	1106		From 1976 I.
Iran LP Array	Iran	IR4	35 14 19.3N	50 54 04.2E	1373		From 1976 I.
Iran LP Array	Iran	IR5	35 12 46.2N	50 34 52.0E	1350		From 1976 I.
Iran LP Array	Iran	IR6	35 28 25.2N	50 25 32.2E	1540		From 1976 I.
Iran LP Array	Iran	IR7	35 42 10.1N	50 36 32.0E	1305		From 1976 I.
Irimote jima	Ryūkyū Islands, Japan	IRI	24 23 06N	123 45 00E	9		From 1991III 01 to 1991 VII 31.
Iris	California, USA	IRS	33 11 27N	115 25 45W	−10		
Irkutsk	Irkutskaya Obl., RF, CIS	IRK	52 16 18N	104 18 36E	467		
Iron Canyon	California, USA	IRC	34 23 24N	118 24 00W	580		From 1971 XI 01.
Iron Mountain	Utah, USA	IMU	38 37 59.2N	113 09 30.2W	1832		From 1988 IX 29.
Iron Mountains	California, USA	IRN	34 09 36.0N	115 11 02.4W	980		
Iron Peak	California, USA	KIPM	39 48 31.2N	123 28 49.8W	1367		MNLO code KIP.
Irozaki		NGT	*See* Nagatsuro				
Isabella	California, USA	ISA	35 39 48N	118 28 24W	835		Formerly 35:38:36N 118:28:36W 760m. From
		ISA					1954 I 06.
Isangel	Vanuatu (New Hebrides)	INH	19 32 50S	169 16 23E	110		From 1970 VI 10.
Ise	Mie, Honshū, Japan	ISE	34 27 30.6N	136 46 26.3E	440		From 1963X.
Ise	Mie, Honshū, Japan	JIE	34 23 30N	136 42 24E	140		
Isfjord	Svalbard	ISF	78 03 33N	13 38 25E	5		*Closed*.
Ishigaki jima	Ryūkyū Islands, Japan	ISI	24 19 54N	124 09 48E	6		Isigakizima.
Ishigaki jima 2	Ryūkyū Islands, Japan	JIJ	24 21 48.6N	124 08 34.2E	78		
Ishihara	Kōchi, Shikoku, Japan	IHR	33 41 16.6N	133 28 16.2E	510		*Closed*. From 1967 IV 01.
Ishinomaki	Miyagi, Honshū, Japan	ISN	38 25 30N	141 18 12E	44		
Ishtion	Tadzhikistan, CIS	ISH	38 50N	70 47E			
Isigakizima		ISI	*See* Ishigaki jima				
Işikli	Turkey	IKL	36 14 19N	33 41 07E	120		From 1988 I.
Iskenderun	Turkey	COBT	36 31 11N	36 15 20E	1710		
Isla de Alboran	Spain	ALR	35 56 21N	3 02 06W	10		*Closed*. Correction to coordinates 1987. From
		ALR					1978 X.
Isla del Caño	Costa Rica	IDC	8 42 48N	83 52 54W	4		From 1987.
Isla de Pascua	Easter Island	PSC	27 09 30S	109 26 04W	50		*Closed*. Replaced by Easter Island *EIC*. From
		PSC					1965 VIII.
Isla Desecheo	Puerto Rico	IDE	18 23 11.1N	67 28 46.3W	218		From 1977 II 15.
Isla Fernandina	Galápagos	FERN	0 16 00S	91 26 42W	3		
Isla Guadalupe	Baja California, México	IGM	28 53 03N	118 17 30W	65		
Isla Mona	Puerto Rico	IMO	18 06 41.1N	67 54 30.5W	84		From 1977 II 15.
Isla Mona	Puerto Rico	IMR	18 05 18.1N	67 50 46.6W	55		*Closed*. From 1975 XI 14 to 1977 I 10.
Island Lagoon	South Australia, Australia	ILN	31 23 35S	136 52 12E	137		*Closed*.
Isla Socorro	Colima, México	SRR	18 43 31.3N	110 57 08.8W	60		Coordinates corrected Feb 1992. From 1974.
Isle of Man	Isle of Man, UK	WIM	54 08 49.9N	4 40 24.6W	365		From 1985.
Isoka	Zambia	IKZ	10 10 16.5S	32 38 45.5E	1350		From 1984.
Isola	Provence-Côte d'Azur, France	ISO	44 11N	7 03E	876		From 1960 I.
Isola di Marettimo	Sicily, Italy	IMT	37 57 24.0N	12 04 42.0E			
Isola d'Ischia		CSM	*See* Casamicciola				
Isola Levanzo	Sicily, Italy	LVI	37 59 08.1N	12 20 14.7E	20		*LV9* Isola di Levanzo. Formerly LV9.
Isparta	Turkey	ISP	37 50 35.9N	30 30 33.5E	1100		
Issarbe	Aquitaine, France	ISSF	43 01 40.2N	0 47 43.2W	1210		
Issek Toufreg		IAA	*See* In Amguel				
Istanbul	Turkey	IST	41 02 44N	28 59 45E	50	WWSSN	*Closed*. Moved slightly 1969:07:15. From 1962 II
		IST					20 to 1989 I 02.
Istanbul	Turkey	IST1	41 02 36N	28 59 06E	65	WWSSN	*Closed*. To 1969 VI 23.
Istanbul	Turkey	ITU	41 06 22.2N	29 00 53.4E	98		From 1989 I 02.
Istanbul		TBZ	*See* Trabzon				
Istanbul−Kandilli	Turkey	ISK	41 03 56N	29 03 33E	132		From 1935.
Istrita	Romania	ISR	45 08 16N	26 32 41E	750		From 1977 III.
Itaipu	Paraná, Brazil	ITB	24 47 37S	54 12 32W	300		
Itaipu 1	Paraná, Brazil	ITB1	24 38 48S	54 23 19W			From 1983.
Itaipu 7	Paraná, Brazil	ITB7	25 07 20S	54 10 31W	400		
Itaka	Tanzania	ITKT	8 52 22.2S	32 46 58.8E	1590		From 1992 VI 14.
Italian Canyon	Idaho, USA	ICI	44 19 45.6N	112 56 28.2W	2463		From 1992.
Itanagar	Arunachal Pradesh, India	INR	27 04 48N	93 36 00E			From 1981 V.
Itaparica	Pernambuco, Brazil	ITR	8 45 41S	38 25 24W	321		
Itatiaia	Rio de Janeiro, Brazil	ITA	22 22 32S	44 42 06W	2530		
Itezhi−Tezhi	Zambia	ITZ	15 46 11S	26 02 10E	1106		Itezhi−Tezhi Dam. From 1984.
Ithaca	New York, USA	INY	42 26 37.7N	76 29 00.9W	238		From 1972 VIII 05.
Ithaca	New York, USA	ITH	42 27N	76 29W	243		*Closed*. From 1909.
Ithomi	Greece	ITM	37 10 47N	21 55 36E	400		From 1974 X 01.
Itō	Shizuoka, Honshū, Japan	ITO	34 58N	139 06E			*Closed*. From 1937 VI to 1949 IX.
Ituhara		IZU	*See* Izuhara				
Itumba	Tanzania	ITBT	9 25 43.2S	33 11 09.0E	1270		From 1992 VI 15.
Itzapa	Guatemala	ITG	14 35 48.6N	90 50 43.8W	2320		From 1984 VII.
Iul'tin	Magadanskaya Obl., RF, CIS	ILT	67 50N	178 48W			
Ivangrad		IVA	*See* Berane				
Ivanof Bay	Alaska and Aleutians, USA	IVF	55 53 45N	159 31 48W	275		*Closed*. To 1990 VII.
Ivigtut	Greenland	IVI	61 12N	48 11W	20		*Closed*.
Iwaki	Fukushima, Honshū, Japan	IWK	37 00 00.0N	140 56 56.4E	35		
Iwanai	Hokkaidō, Japan	IWN	42 40 13.8N	143 02 46.4E	235		Obihiro City. From 1976VII 01.
Iwasaki	Aomori, Honshū, Japan	JIW	40 35 34.2N	140 00 25.2E	330		
Iwo jima	Bonin Islands, Japan	YUO	24 47N	141 19E			*Closed*. Yuo jima Io jima, Yuozima.
Ixhuatan	Chiapas, México	IHC	17 17 26N	93 00 30W			
Ixpaco	Guatemala	IXG	14 10 27.6N	90 27 16.2W	1420		Formerly Ixtaco. From 1984 X.
Ixtacomitán	Chiapas, México	IXC	17 25 38N	93 06 03W			
Ixtapalapa	México D.F., México	IXT	19 24N	99 06W			*Closed*.
Izmir	Turkey	IZM	38 23 52N	27 15 45E	632		From 1973 III 18.
Iznik	Turkey	IZI	40 20 12.6N	29 28 22.2E	910		From 1990 I.
Iznik	Turkey	IZN	40 26 01.7N	29 45 37.8E	195		*Closed*. From 1978 XI.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Izuhara	Nagasaki, Kyūshū, Japan	IZU IZU	34 11 42N	129 17 36E	18		*Closed*. Ituhara Correction to position Dec 1992. To 1991 IX 01.
Izuhara	Nagasaki, Kyūshū, Japan	IZUJ	34 11 42N	129 17 36E	3		From 1991IX 01.
Izuhara 2	Nagasaki, Kyūshū, Japan	IZU2	34 13 36N	129 16 24E	410		From 1991II 26.
Izumi	Kumamoto, Kyūshū, Japan	JIU	32 34 24N	130 47 36E	230		*Closed*.
Izumozaki	Niigata, Honshū, Japan	JIZZ	37 31 54N	138 42 34E	40		
Izushimoda	Shizuoka, Honshū, Japan	JIZS	34 43 04N	138 52 41E	135		
Jackerath	Nordrhein-Westfalen, Germany	JCK	51 02 10.8N	6 25 54.6E	−240		From 1981.
Jackman	Maine, USA	JKM	45 39 19.8N	70 14 33.4W	378		*Closed*. To 1999 I.
Jack Peak	Alaska and Aleutians, USA	JPK	61 03 18.6N	146 35 52.2W	835		
Jack Ridge	California, USA	KJJM	40 14 51.6N	124 18 24.6W	725		Johnny Jack Ridge.
Jackson	Tennessee, USA	JS− JS−	35 39 20N	88 36 46W	152		*Closed*. From 1961 XII 11 to 1961 XII 19 from 1962 V 10 to 1962 VI 28.
Jacksonville	Florida, USA	JAC	30 25N	81 39W	9		*Closed*. From 1950 to 1956.
Jahuel	Aconcagua, Chile	JACH	32 40 54.7S	70 35 34.6W	1075		
Jakarta	Jawa, Indonesia	DJA	6 11 00.0S	106 50 10.2E	8		Batavia, Djakarta.
Jama	Ecuador	JAMA	0 15 40.2S	80 12 21.0W	680		Coordinates corrected Sep 1998. From 1992 II 05.
Jambol		JMB	*See* Yambol				
Jamestown	California, USA	JAS	37 56 48N	120 26 18W	457		*Closed*. From 1964 to 1984 VI 30.
Jamestown	California, USA	JAS1 JAS1	37 55 36N	120 25 12W	425		*Closed*. Temporary relocation of JAS. Moved to CMB. From 1984 VII 03 to 1986 XI 06.
Jammu	Jammu and Kashmir, India	JMU	32 43N	74 54E			
Janina	Greece	JAN	39 39 24N	20 51 03E	540		
Jan Mayen East	Jan Mayen Island	JNE	70 59 24.0N	8 17 49.2W	57		
Jan Mayen I.	Jan Mayen Island	JMI	70 55 41.9N	8 43 50.9W	50		Moved from 70:55:37N 8:43:32W.
Jan Mayen West	Jan Mayen Island	JNW	71 01 44.4N	8 25 40.8W	95		
Jaout	Aquitaine, France	JAU	43 02 16.8N	0 22 09.6W	1545		
Jarash	Jordan	JARJ	32 14 15N	35 56 46E	840		From 1984 X 01.
Jardín	Chiapas, México	JDN	17 09 54N	92 30 00W	920		
Jasper	Minnesota, USA	JA−	43 53 24N	96 19 17W	518		*Closed*.
Jasper	Alberta, Canada	JP−	52 53 50N	118 05 25W	1128		*Closed*.
Jasper Ridge	California, USA	JRSC	37 24 13.7N	122 14 15.4W	103		From 1994 VI 30.
Jato	Guatemala	JAT	14 19 04.8N	91 38 12.0W	68		El Jato. From 1979 XI.
Jaww	Bahrain	BJA	25 59 30N	50 36 30E			
Jayapura	Irian Jaya (West Irian), Indonesia	JAY JAY	2 30 53.4S	140 42 16.8E	400		Djajapura. From 1973 IV 01.
Jbel Lahdid	Morocco	JHA	31 44 10N	9 27 14W	725		
Jehonathan	Israel	JNI	32 57 00.0N	35 49 37.2E	500		*Closed*. To 1983 VII 14.
Jehsanih	Bali, Indonesia	JEHI	8 05 00S	115 12 45E	60		
Jena	Thüringen, Germany	JEN	50 57 07N	11 35 00E	193		*Closed*. To 1964 XI 01.
Jena (USA)	Louisiana, USA	JE− JE−	31 47 05N	92 00 55W	46		*Closed*. From 1964 II 06 to 1964 XI 23 from 1966 XI 16 to 1967 I 16.
Jenkinsville	South Carolina, USA	JSC	34 16 44N	81 15 29W	120		
Jenolan Caves	New South Wales, Australia	JNL	33 49 32.5S	150 01 18.7E	829		From 1959.
Jenson Cabin	Idaho, USA	JECI	44 22 19.8N	114 11 03.0W	2135		From 1983 XII.
Jersey	Channel Islands, UK	JRS JRS	49 11 32.6N	2 05 30.1W	53		Maison St Louis Reopened Nov 1981. Correction to coordinates Sep 1990. From 1981 XI.
Jersey	Oregon, USA	VJYM	44 54 07.8N	120 58 27.0W	951		MNLO code VJY.
Jerusalem	Israel	JER JER	31 46 19N	35 11 50E	770	WWSSN	*Closed*. Correction to coordinates Mar 1991. From 1954 to 1986 VI 16 from 1988 XII 13 to 1990.
Jettee	Montana, USA	JTMT	47 44 48.0N	114 16 57.0W	1469		
Jewell Farm	Wisconsin, USA	JFWS	42 54 51.3N	90 14 53.1W	335		From 1992 VII 29 to 1993 from 1994 V 09.
Jhansi	Uttar Pradesh, India	JHNI	25 27N	78 37E	250		Coordinates corrected Feb 1998.
Jicamarca	Peru	PT05	11 57 17.4S	76 52 09.6W	700		
Jicaral	Costa Rica	JCR	9 50 59.4N	85 06 42.6W	575		Correction to coordinates 1991.
Jilotepec	Veracruz, México	JIL	19 37 50.4N	96 56 00.0W	1330		
Jim Creek	Washington, USA	JCW	48 11 36.6N	121 55 46.2W	616		
Jimena Frontera	Spain	EJIF EJIF	36 27 04.8N	5 28 07.8W	260		Jimena de la Frontera. Replaces station EJIM. From 1988 V 20.
Jimena Frontera	Spain	EJIM EJIM EJIM	36 27 05N	5 28 08W	260		*Closed*. Jimena de la Frontera. Replaced by EJIF. Correction to position Aug 1991. From 1987 IV to 1988 V 19.
Jindabyne	New South Wales, Australia	JIN	36 26 22S	148 35 35E	960		*Closed*. From 1958 to 1972 VIII 09.
Jinotega	Nicaragua	JIG	13 12 04.2N	85 46 15.0W	1249		From 1975.
Jiri	Nepal	JIRN	27 39 36N	86 11 24E	3064		From 1994 IV.
Jīzān	Saudi Arabia	JIZN	16 57 32.4N	42 49 30.0E	100		From 1989II.
Joaquin Lookout	New Mexico, USA	JOAQ	35 46 15N	106 50 28W	2768		From 1978 XI 11.
Joaquin Road	California, USA	JJRM	37 20 40.8N	122 12 05.4W	430		
Jocotitlán	México, México	IIJ	19 44 02.4N	99 44 02.4W	3900		
Jocotitlán	México D.F., México	JCM	19 44 03N	99 45 40W			From 1988.
Joensuu	Finland	JOE	62 39 06N	29 41 42E	90		*Closed*.
Joensuu	Finland	JOF	62 55 05.5N	31 18 44.5E	180		From 1981 IX 29.
Johannesberg	Transvaal, South Africa	BPI	26 10 30S	28 01 48E	1700		Bernard Price Institute.
Johannesburg	Transvaal, South Africa	JOH	26 10 54S	28 04 30E	1806		*Closed*.
Johnnie	Nevada, USA	JON	36 26 23N	116 06 11W	920		From 1978 VII 24.
John Smith Road	California, USA	HJSM	36 48 59.4N	121 17 55.3W	215		From 1975 VI.
Johnson	Nebraska, USA	JHN	40 26 49N	96 01 03W	329		From 1978 XII.
Johnson Can.	California, USA	JHC JHC	36 32 49.2N	121 23 31.8W	207		*AN15***BJCM* Johnson Canyon. From 1969 VI 18.
Johns Peak	California, USA	WJPM	35 24 39.0N	118 28 50.4W	1122		MNLO code WJP.
Johnston I.	Line Islands	JN−	16 44 02N	169 31 41W	3		*Closed*. From 1962 III 31 to 1962 VIII 02.
Johnston Island	Line Islands	JOHN	16 43 58.4N	169 31 45.1W	−37		
Jolan Road	California, USA	PJLM	36 05 23.4N	121 09 19.8W	290		
Jolon Road	California, USA	JOL	36 05 01.2N	121 10 09.0W	336		*PJRM* From 1969 VI 18.
Jordan	Minnesota, USA	JO−	44 42 25N	93 30 30W	290		*Closed*. From 1962 VII 13 to 1962 VII 30.
Jordan Butte	Oregon, USA	JBO	45 27 41.7N	119 50 13.3W	645		From 1982 IX.
Jordanelle	Utah, USA	JLU	40 36 06.6N	110 26 57.0W	2304		From 1981 IX 28.
Jordan Ranch	Texas, USA	JRTX	32 56 02.4N	100 57 10.8W	804		From 1979.
Jordan Valley	Israel	JVI JVI JVI	31 55 48N	35 21 00E	680		Jordan Valley−Rimmonim. Formerly Mount Masua, name changed Apr 1991. From 1986 VII 17.
Jorhat	Assam, India	JHI	26 44N	94 10E	84		From 1979.
Joseph F. Staten	California, USA	JFS	35 21 03N	117 40 12W	1433		From 1979 VI.
Joshua Tree	Nevada, USA	NYJ	37 00 28.8N	115 58 28.8W	1286		*Closed*. From 1971 I to 1973 I.
Josvafo	Hungary	JOS	48 29 44.8N	20 32 21.7E	280		
Jouge	Hiroshima, Honshū, Japan	JJG	34 38 30N	133 09 18E	480		
Jozini	Natal, South Africa	JOZ	27 26 42S	32 04 42E	244		*Closed*. From 1976 VII.
J Risha	Jordan	JRSJ	30 15 39.6N	35 13 58.8E	357		*RSHJ* From 1989 XII 15.
Juana Núñez	Dominican Republic	DR01 DR01	19 18 36.6N	70 41 48.6W			*DR1* Dominican Network. Changed name Mar 1990.
Juan Dìaz	Costa Rica	JUD	10 09 43.2N	85 32 49.2W	844		From 1984 XI.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Juan Fernandez I.	Juan Fernandez Islands	IJF	33 37S	78 50W	6		*Closed*. Robinson Crusoe Island.
Judd Hill Plant.	Arkansas, USA	JHP	35 36 18N	90 30 36W	68		*Closed*. Judd Hill Plantation. To 1992 II.
Jug	New Mexico, USA	JUM	35 54 18N	106 40 06W	2400		
Jugenheim	Hessen, Germany	JUG	49 46N	8 36E			*Closed*.
Juive	Ecuador	JUIV	1 25 25.8S	78 27 52.8W	2380		From 1992 II 04.
Juive 3	Ecuador	JUI3	1 15 18.6S	78 28 36.0W	2425		
Juiz de Fora	Minas Gerais, Brazil	JFO	21 43 37.6S	43 19 30.0W	750		From 1990 VIII.
Jujuy	Jujuy, Argentina	JUJ	24 14 45S	65 16 22W	1270		
Julian	California, USA	JULC	33 02 54.0N	116 36 46.2W	1292		PAS code JUL. From 1978 IV.
Jülich	Nordrhein-Westfalen, Germany	JUE	50 54 45.9N	6 24 35.2E	97		From 1974 XI.
Jumaytepeque	Guatemala	JMG	14 20 19.2N	90 16 13.2W	1815		From 1979 V.
Junction City	Texas, USA	JCT	30 28 46N	99 48 08W	591	WWSSN	From 1965 III 01.
Juneau Island	Alaska and Aleutians, USA	JIS	58 16 30N	134 23 00W	10		From 1995 IV 18.
June Lake	Washington, USA	JLK	46 08 48.0N	122 09 10.8W	1049		
Juni	Peru	PT11	11 32 56.4S	75 42 54.0W	4480		From 1983 IX 21.
Juniper Gulch	Idaho, USA	JGI	44 05 33N	112 40 37W	1657		From 1979 XI 06.
Juniper Hills	California, USA	JNH	34 26 51.0N	117 57 16.2W	1317		From 1977 XI.
Junjel	Guatemala	JNJ	15 23 55.8N	91 25 43.2W	3348		*Closed*. From 1980 I.
Juno	Texas, USA	JU−	30 06 43N	101 04 38W	533		*Closed*. From 1964 IV 04 to 1964 VIII 11.
JuntasAbangares	Costa Rica	JTS	10 17 27N	84 57 09W	340		Juntas de Abangares.
Jwalamukhi	Himachal Pradesh, India	JWA	31 52N	76 20E			*Closed*.
Kaapuna	Hawaii, Hawaiian Islands	KUH	19 15 58.8N	155 52 16.8W	524		From 1972 I 04.
Kabakon Is	New Ireland	EDY	4 14 22.2S	152 23 21.6E	5		
Kabansk	Buryatskaya ASSR, RF, CIS	KAB	52 03N	106 39E	470		
Kabd	Kuwait	KBD	29 10 48.4N	47 41 23.2E	124		
Kabul	Afghanistan	KBL	34 32 27.0N	69 02 35.4E	1920		
Kabul (SRO)	Afghanistan	KAAO	34 32 27.0N	69 02 35.4E	1920		*Closed*. From 1977 V 10 to 1982.
Kabwe		BHA	*See* Broken Hill				
Kadzharan	Armeniya, CIS	KDR	39 10N	46 08E			
Kaena	Hawaii, Hawaiian Islands	KAE	19 17 21N	155 07 57W	37		From 1973 V 08.
Kaena Point	Hawaii, Hawaiian Islands	KPH	21 34 34.1N	158 16 31.6W	110		*Closed*. From 1965 IV to 1976.
Kafrein	Jordan	KFNJ	31 51 42N	35 40 33.6E	−90		From 1983 IX.
Kaga	Ishikawa, Honshū, Japan	JKG	36 16 36N	136 19 54E	30		
Kagalaska	Alaska and Aleutians, USA	AD3	51 44 34N	176 21 25W	198		*Closed*. From 1974 to 1992 II 01.
Kagoshima	Kagoshima, Kyūshū, Japan	KAG	31 33 03N	130 33 03E	2		Moved 1994:02:25.
Kagoshima 2	Kagoshima, Kyūshū, Japan	KAGJ	31 11 06N	130 53 18E	290		
Kahang−Kahang	Bali, Indonesia	KHKI	8 21 51.6S	115 36 29.4E			
Kahuku	Hawaii, Hawaiian Islands	KHU	19 14 54N	155 37 06W	1939		From 1969 VIII 26.
Kahutara	South Island, New Zealand	KHZ	42 25 05S	173 32 25E	70		From 1988 XI.
Kaiam	Papua New Guinea	KIAM	7 06 44.5S	143 55 20.5E	307		
Kaikoura	South Island, New Zealand	KKZ	42 25 19S	173 41 47E	109		*Closed*. Replaced by KHZ. From 1980 VI 04 to 1989 VI 08.
		KKZ					
Kaikoura West	South Island, New Zealand	KKY	42 25 12S	173 41 31E	101		*Closed*. From 1972 VI 08 to 1980 VI 04.
Kailua Kona	Hawaii, Hawaiian Islands	KKH	19 39 24.0N	156 01 06.6W	14		Correction to coordinates Apr 1992. From 1975.
Kaimata	South Island, New Zealand	KAI	42 31 33S	171 24 31E	82		*Closed*. From 1942 IX to 1990 XII 05.
Kainokawa	Wakayama, Honshū, Japan	KKW	33 53 55.5N	135 26 30.6E	260		
Kaiser Creek	California, USA	KCC	37 19 25.3N	119 19 03.7W	914		
Kaiserville	Nevada, USA	KVN	39 03 03.6N	118 06 00.0W	1829		From 1972 I 13.
Kaitaia	North Island, New Zealand	KIT*	35 06 30S	173 15 54E	91		*Closed*. Code used for Kermit. To 1939.
Kajaani	Finland	KJF	64 11 57N	27 42 53E	160		*Closed*. From 1970 VII 09 to 1990 III.
Kajaani	Finland	KJN	64 05 07N	27 42 43E	250		To 1970 VII from 1990.
Kakadu	Northern Territory, Australia	KAKA	12 42S	132 24E			
Kakani	Nepal	KKN	27 47 24N	85 16 48E	1920		From 1980 III.
Kākhk	Iran	KHI	34 08 36N	58 38 30E	1600		From 1971IV.
Kakioka	Ibaraki, Honshū, Japan	KAK	36 13 54N	140 11 36E	27		
Kakioka Outpost	Ibaraki, Honshū, Japan	KAKJ	36 12 18N	140 10 24E	−80		From 1978.
Kalaidasht	Tadzhikistan, CIS	KLD	38 36N	69 30E			Location uncertain.
Kalalua Cone	Hawaii, Hawaiian Islands	KLCH	19 24 21.0N	155 04 04.8W	659		
Kalamazoo	Michigan, USA	KZM	42 09 10N	85 49 16W			*Closed*. From 1978 II to 1996.
Kalaupapa	Hawaii, Hawaiian Islands	KPA	21 11 24.0N	156 59 05.4W	4		
Kalgoorlie	Western Australia, Australia	KLG	30 47 01.2S	121 27 28.8E	360		*Closed*. From 1964 to 1986 V 12.
Kalgoorlie	Western Australia, Australia	KLGA	30 43 03S	121 26 18E	390		*Closed*. From 1986 V 12 to 1988 VIII 10.
Kaliastana	Jawa, Indonesia	KALI	7 06 23S	106 39 32E	810		
Kaliningrad		KNG	*See* Königsberg				
Kalltalsperre	Nordrhein-Westfalen, Germany	KLL	50 38 46N	6 18 40E	400		
Kalmit	Rheinland-Pfalz, Germany	KTD	49 19 12.6N	8 05 01.2E	673		From 1974 X.
Kalocsa	Hungary	KAL	46 31 43N	18 58 35E	93		*Closed*. Kalossa.
Kalpa	Himachal Pradesh, India	KLP	31 32N	78 15E	2724		
Kamafusa	Miyagi, Honshū, Japan	KMF	38 12 36N	140 42 06E	180		
Kamakura	Kanagawa, Honshū, Japan	KMK	35 19N	139 33E			*Closed*.
Kamandorsky Islands		BKI	*See* Bering				
Kamata	Shizuoka, Honshū, Japan	KTJ	34 56 36N	139 05 12E	58		*Closed*. Replaced by KTJJ. From 1979 IV to 1990 III 20.
		KTJ					
Kamata 2	Shizuoka, Honshū, Japan	KTJJ	34 55 30.6N	139 03 50.4E	175		From 1990III 20.
Kameyama	Mie, Honshū, Japan	KAM	34 51 24N	136 27 54E	71		*Closed*.
Kami	Albania	KMA	42 15 43.2N	20 14 34.1E			
Kamigamo	Kyōto, Honshū, Japan	KMM	35 02N	135 42E	190		*Closed*. Kamigano.
Kamikawa	Kamikawa, Hokkaidō, Japan	JKK	43 48 42.0N	142 50 49.8E	430		
Kamikineusu	Hidaka, Hokkaidō, Japan	KMU	42 14 19N	142 58 02E	185		From 1967VII 01.
Kamikuga	Tochigi, Honshū, Japan	KKGU	36 35 52.5N	139 37 30.2E	280		From 1976VII 17.
Kamimuroga	Nagano, Honshū, Japan	KRJ	36 24 59.2N	138 09 05.2E	621		From 1968VII.
Kaminokuni	Hiyama, Hokkaidō, Japan	KKJ	41 46 44.1N	140 10 32.4E	70		
Kamuela	Hawaii, Hawaiian Islands	KML	20 01 54N	155 42 00W	740		*Closed*.
Kanab	Utah, USA	KN−	37 01 22N	112 49 39W	1737		*Closed*. From 1961 XII 09.
Kanab	Utah, USA	KNB	37 00 59.8N	112 49 20.7W	1715		From 1968 XI.
Kanaka Peak	California, USA	KPK	39 35 00.0N	121 18 19.2W	899		From 1969 I.
Kanayama	Fukushima, Honshū, Japan	KNY	37 24 01.4N	139 33 29.5E	390		
Kanazawa	Ishikawa, Honshū, Japan	KAN	36 32 48N	136 38 54E	28		*Closed*. To 1991 X 23.
Kanazawa	Ishikawa, Honshū, Japan	KANJ	36 35 12N	136 38 12E	0		From 1991X 23.
Kanazawa 2	Ishikawa, Honshū, Japan	KAN2	36 31 30N	136 46 24E	530		From 1992IV 24.
Kanchanaburi	Thailand	KBR	14 01N	99 32E	28		From 1986 XII.
Kandavu Island	Fiji	KDV	18 57 55.8S	178 20 48.0E	390		
Kandıra	Turkey	KND	41 03 09.7N	30 09 38.9E	50		*Closed*. From 1978 XI.
Kanekii	Hawaii, Hawaiian Islands	KIH	19 30 33.6N	155 45 54.0W	1841		
Kaneyama	Yamagata, Honshū, Japan	JYK	38 55 04.2N	140 21 32.4E	220		
Kangasniemi	Finland	KAF	62 06 46N	26 18 22E	205		From 1977 VIII 31.
Kansas City	Missouri, USA	KC−	39 21 21N	94 40 17W	274		*Closed*. From 1965 X 17 to 1967 I 16.
Kantishna Hills	Alaska and Aleutians, USA	KTH	63 33 10.8N	150 55 18.0W	975		From 1988 VIII 15.
Kaohsiung	Taiwan, China	KAU	22 34 04.4N	120 18 28.9E	2		Kaushiong, Takao Correction to position Nov 1990.
		KAU					
Kaoiki Faults	Hawaii, Hawaiian Islands	KFH	19 25 15.6N	155 25 08.4W	1579		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Kaolan		LAN	*See* Lanzhou				
Kapahiang	Sumatera, Indonesia	KSI	3 38 01.8S	102 35 32.4E			
Kapapala Ranch	Hawaii, Hawaiian Islands	KLH	19 16 24N	155 26 42W	610		From 1969 X 02.
Kapiti Island	North Island, New Zealand	KIW	40 51 50S	174 54 42E	320		From 1978 IV 10.
Kapoho	Hawaii, Hawaiian Islands	KPO	19 30 01.2N	154 50 30.6W	134		
Kap Tobin	Greenland	KTG	70 25N	21 59W	6	WWSSN	From 1980 IX 30.
Kapuskasing	Ontario, Canada	KAO	49 26 54N	82 29 06W	198		*Closed*. From 1982 IX 18.
Karabiga	Turkey	KGT	40 27 06N	27 18 12E	185		Replaces GET. From 1984 III 14.
Karacabey	Turkey	KCT	40 15 56N	28 21 24E	451		Latitude corrected Oct 1988 Oct from 40:14:56N.
		KCT					From 1983 VI.
Karachi	Pakistan	KAR	24 56 00N	67 08 36E	34		
Karad	Maharashtra, India	KAD	17 18 26N	74 11 00E	581		Coordinates corrected Feb 1998. From 1970 I 01.
Karad	Maharashtra, India	KARD	17 18 26.8N	74 11 00.2E	618		
Karadeniz	Turkey	KDE	41 17 20N	31 25 30E	290		Karadeniz Ereglisi. From 1982 VII.
Karahallı	Turkey	KHL	38 19 23.5N	29 31 23.5E	940		From 1988 VIII.
Karamürsel	Turkey	KMS	40 40 21.7N	29 35 28.0E	280		*Closed*. From 1978 VIII.
Karapiro	North Island, New Zealand	KRP	37 55 30S	175 32 15E	64		*Closed*. From 1951 VI to 1990 II 06.
Karasu	Tadzhikistan, CIS	KRU	38 29N	68 59E			Possibly wrong position.
Karavia, Lubumbashi		ELI	*See* Elizabethville				
Karenko		HWA	*See* Hwalien				
Kargi	Turkey	KART	41 10 11N	34 18 20E	1946		*Closed*. Correction to coordinates Oct 1994.
		KART					From 1992 to 1994 V.
Kariba Dam	Zimbabwe	KRB	16 31 36S	28 47 42E	805		*Closed*. From 1966 III.
Karkar Island	Papua New Guinea	KKI	4 35 18S	145 57 15E	460		From 1975 VI 22.
Karlskrona	Sweden	KLS	56 09 54N	15 35 30E	11		*Closed*. To 1968 X 12.
Karlsruhe	Baden-Württemberg, Germany	KRL	49 00 39N	8 24 44E	114		From 1905 to 1922 from 1926 to 1940 VI from 1949 V
		KRL					to 1958 VIII from 1960 VII.
Karlsruhe West	Baden-Württemberg, Germany	KRW	49 01 17.0N	8 22 05.1E	110		Karlsruhe West.
Karmøy	Norway	KMY	59 12 43.2N	5 14 49.2E	58		From 1984 XI.
Karoi	Zimbabwe	KRI	16 49 48S	29 36 54E	1343		
Karoi	Zimbabwe	KRR	16 51 06S	29 37 06E	1380		*Closed*. From 1967 to 1978.
Kárpathos	Greece	KAP	35 33 03.0N	27 10 28.8E	250		From 1988.
Karratha	Western Australia, Australia	KAA	20 46 38S	116 51 32E	15		*Closed*. From 1971 II 11 to 1972 VIII 09.
Kars	Turkey	KARS	40 36 44.4N	43 05 33.6E	1450		From 1994 I 13.
Karuizawa	Nagano, Honshū, Japan	KRZ	36 20 18N	138 33 00E	1001		*KAZ*
Kasai	Hyogo, Honshū, Japan	JKS	34 58 55.8N	134 50 38.4E	150		
Kasempa	Zambia	KMZ	13 27 19.8S	25 50 01.5E	1223		From 1984.
Kashi	Xinjiang Uygur Zizhiqu	KSH	39 31 00N	75 55 24E	1314		Su−fu, Kashgar Co−ordinates corrrected Feb
	(Sinkiang Uighur), China	KSH					1998.
Kashima	Nagano, Honshū, Japan	KSJ	36 34 34.4N	137 48 19.4E	1010		*Closed*. From 1968 XII to 1969 III.
Kashiwara	Ōsaka, Honshū, Japan	KAJ	34 30N	135 48E	120		
Kashiwara		YAG	*See* Yagi				
Kašperské Hory	Czech Republic	KHC	49 07 51.4N	13 34 41.6E	695		From 1973.
Kastamonu	Turkey	KAS	41 22 18N	33 46 00E	850		From 1958 IX.
Kastellórizon	Greece	KSL	36 09 00N	29 35 00E	100		From 1988.
Kastoría	Greece	KSO	40 31 21N	21 16 39E	740		From 1997.
Katale	Zaïre	KTL	1 19 28.8S	29 23 01.8E	1600		From 1990.
Katashina	Tochigi, Honshū, Japan	JKT	36 46 00.0N	139 14 55.8E			
Katlanovo	Macedonia	KAY	41 53 45N	21 42 06E	248		From 1969 I.
Katmai	Alaska and Aleutians, USA	KAWH	58 23 01.2N	154 47 57.0W	777		
Katmai	Alaska and Aleutians, USA	KTM	58 19 28.8N	155 22 35.4W	945		*Closed*. From 1973 VII 27 to 1975 VIII 24.
Katmai Creek	Alaska and Aleutians, USA	KAHC	58 38 56.4N	155 00 21.6W	1250		Katmai Hardscrabble Creek.
Katmai Creek	Alaska and Aleutians, USA	KAIC	58 29 06.0N	155 02 45.0W	734		Katmai Ikagluik Creek.
Katmai Glacier	Alaska and Aleutians, USA	KAHG	58 29 38.4N	154 32 46.8W	923		Katmai Hook Glacier.
Katmai Pasha	Alaska and Aleutians, USA	KAPH	58 35 48.6N	154 20 48.6W	907		
Katmai Ridge	Alaska and Aleutians, USA	KABR	58 07 52.2N	154 58 09.0W	884		Katmai Barrier Ridge.
Katmai River	Alaska and Aleutians, USA	KARR	58 29 52.2N	154 42 12.0W	610		Katmai Rainbow River.
Katrineberg	Sweden	KTN	61 03 57.6N	16 17 02.4E			From 1980 I.
Katsuura	Chiba, Honshū, Japan	KTR	35 08 54N	140 18 54E	10		From 1988I 01.
Kaushiong, Takao		KAU	*See* Kaohsiung				
Kautokeino	Norway	KTK1	69 00 42.1N	23 14 13.7E	340		From 1989.
Kautokeino	Norway	KTK2	69 00 27.0N	23 14 14.5E			From 1989.
Kautokeino	Norway	KTK3	69 00 24.0N	23 14 06.7E			From 1989.
Kautokeino	Norway	KTK4	69 00 29.0N	23 14 05.1E			
Kautokeino	Norway	KTK5	69 00 34.5N	23 13 38.3E			
Kautokeino	Norway	KTK6	69 00 36.0N	23 14 09.6E	340		
Kavak	Turkey	KVT	41 04 50.2N	36 02 47.0E	650		From 1976 VIII 01.
Kavieng	New Ireland	KAV	2 34 24S	150 49 00E	4		*Closed*. From 1971 VIII 25 to 1974 V.
Kavieng	New Ireland	KVG	2 35 16.0S	150 48 43.2E	10		Correction to coordinates Sep 1992. From 1974
		KVG					V.
Kawah Idjen	Jawa, Indonesia	KIJ	8 04S	114 14E			*Closed*.
Kawatabi	Miyagi, Honshū, Japan	KWT	38 45 12N	140 45 36E	260		
Kawauchi	Fukushima, Honshū, Japan	JFK	37 21 59.4N	140 52 28.2E	520		
Kawich Range	Nevada, USA	KRNA	37 44 28N	116 22 45W	1980		From 1980 IV 23.
Kayabe	Ō shima, Hokkaidō, Japan	JKB	41 53 15.6N	141 01 57.0E	10		
Kayak Island	Alaska and Aleutians, USA	KAIM	59 55 36.6N	144 24 58.8W	311		
Kayak Island	Alaska and Aleutians, USA	KYK	59 52 06.0N	144 31 23.4W	375		*Closed*. From 1974 X 02.
Kayrak	Turkey	KYR	36 21 06N	33 31 31E	1210		From 1988 I.
Kaziranga	Assam, India	KZI	26 34 36N	93 24 30E	130		From 1983 II.
Kealakekua	Hawaii, Hawaiian Islands	KLK	19 31 19.2N	155 55 13.2W	505		*Closed*. From 1964 I 28 to 1974 I.
Kealakomo	Hawaii, Hawaiian Islands	KEA	19 18 30N	155 09 36W	201		*Closed*.
Keanakolu	Hawaii, Hawaiian Islands	KKU	19 53 23.4N	155 20 34.8W	1863		
Keban	Turkey	KEB	38 47 52N	38 43 40E	739		From 1974 V 28.
Kechabta	Tunisia	KCHT	37 06 36N	9 56 24E	565		Correction to coordinates Dec 1992.
Kecskemét	Hungary	KEC	46 54 44N	19 41 54E	122		
Kedomdong	Lombok, Indonesia	KEDI	8 29 13.2S	116 06 46.8E	560		Correction to coordinates Nov 1991. From 1991.
Kédougou	Senegal	KDG	12 55 33N	12 19 17W			*Closed*. To 1976 V.
Kédougou	Senegal	KDS	12 34 07.5N	12 12 40.2W	110		From 1976 V.
Kédougou	Senegal	KED	12 55 33N	12 19 17W			*Closed*. Moved to 12:34:07.5N 12:12:40.2W from
		KED					1976 Aug 01. Code KDS. From 1974 VIII to
		KED					1976 VIII 01.
Kédougou	Senegal	KED*	12 34 07.5N	12 12 40.2W			Moved 1976:08:01 from 12:55:33N 12:19:17W.
		KED*					From 1976 VIII 01.
Keeling Island		CCK	*See* Cocos Island				
Keen Camp	California, USA	KEE	33 38 18.0N	116 39 11.4W	1366		Keen Camp Maintenance Station. From 1975 II.
Keen Mountain	Virginia, USA	KMV	37 12 30N	82 01 33W	500		*Closed*. From 1969 to 1969.
Keetly	Utah, USA	KLJ	40 37 51.0N	111 24 15.6W	2008		From 1992 X 30.
Keg River	Alberta, Canada	KV−	56 49 49N	117 19 26W	305		*Closed*. From 1965 X 12 to 1965 XI 15.
Keihoku	Sōya, Hokkaidō, Japan	JWK2	45 18 54N	141 53 51E	60		
Keizyo		SEO	*See* Seoul				
Kejulik	Alaska and Aleutians, USA	KJL	58 03 14.4N	155 34 23.4W			From 1996 VIII.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Kelakatan	Bali, Indonesia	KELI	8 13 00S	114 29 27E	591		
Kellerberrin	Western Australia, Australia	KLB	31 35 32.4S	117 45 36.0E	300		From 1981 IX 23.
Kellogg	Idaho, USA	KGI	47 29 18N	116 04 54W	1400		*Closed*. From 1970 to 1975 I.
Kelly Canyon	Idaho, USA	KCI	43 40 07.8N	111 39 51.6W	1902		
Kelly Mountain		D2A	*See* Dickey				
Kelsey Bay	British Columbia, Canada	KBB	50 23 05N	126 01 39W	1310		From 1986 VIII 23.
Keltepe	Turkey	KLT	40 38 36.5N	30 06 02.1E	1601		*Closed*. From 1978 IX to 1980 XII.
Kelud	Jawa, Indonesia	KEL	8 06S	112 54E			*Closed*.
Kenai	Alaska and Aleutians, USA	KEN	60 38 18N	151 17 48W			*Closed*. From 1964 IV 04 to 1964 VI 26.
Kendrikon	Greece	KNT	41 09 43N	22 53 53E	380		From 1981 I 01.
Kennedy	Alabama, USA	BKA	33 38 02.0N	87 58 08.4W	122		
Kennewick	Washington, USA	KE−	46 08 24N	119 16 39W	396		*Closed*.
Kentfield	California, USA	KFC	37 57 18N	122 33 10W	6		
Kephallenia		VLS	*See* Valsamáta				
Keravat	New Britain	KET KET	4 19 59.1S	152 02 10.7E	17		*Closed*. Replaces *KRT*. From 1969 III 26 to 1970.
Keravat	New Britain	KRT KRT	4 21 10.5S	152 03 06.0E	20		*Closed*. Replaced by *KET*. From 1966 XI 18 to 1969 IV 07.
Kerema	Papua New Guinea	KRG	7 57 35S	145 46 08E	14		*Closed*.
Keren	Israel	KERI	30 59 24N	34 29 24E	360		
Kérkira	Greece	KEK	39 42 46.8N	19 47 55.2E	280		From 1989 III.
Kermit	Texas, USA	KIE	31 36 24.6N	103 11 44.4W	828		*Closed*.
Kermit	Texas, USA	KIT	31 32 37N	102 52 55W	795		
Kermit	Texas, USA	KKT	31 37 21.6N	103 17 19.8W			
Kermit	Texas, USA	KM2	32 05 33.0N	103 04 18.6W	932		*Closed*.
Kermit	Texas, USA	KM3	31 40 39.6N	103 12 33.0W			*Closed*.
Kermit	Texas, USA	KM5	31 49 54N	103 01 54W	874		*Closed*. From 1976 X 15.
Kermit	Texas, USA	KM6	31 58 57.0N	102 51 47.4W	1030		*Closed*. From 1976 X 16.
Kermit	Texas, USA	KM9	31 44 53.4N	102 51 22.8W	888		*Closed*. From 1976 X 14.
Kermit	Texas, USA	KME	31 34 41.4N	103 07 12.0W	816		*Closed*. From 1976 X 14.
Kermit	New Mexico, USA	KT1	32 04 06.0N	103 19 44.4W	930		*Closed*. From 1975 XI 08.
Kermit	New Mexico, USA	KT2	32 05 22N	103 06 08W	927		*Closed*. From 1976 I 20 to 1976 XII 15.
Kermit	New Mexico, USA	KT3	31 37 21.6N	103 17 19.8W	855		*Closed*.
Kermit	New Mexico, USA	KT4	31 54 36.0N	103 18 54.6W	948		*Closed*. From 1976 I 17.
Kermit	New Mexico, USA	KT5	32 04 04.8N	103 19 34.2W			*Closed*. From 1976 III 24 to 1976 X 15.
Kermit	New Mexico, USA	KT7	31 42 33.0N	103 18 21.6W	847		*Closed*. From 1975 XI 13.
Kermit	New Mexico, USA	KT8	31 42 24.0N	103 05 49.8W	840		*Closed*. From 1976 I 16.
Kermit	New Mexico, USA	KT9	31 43 04N	102 52 52W	869		*Closed*. From 1976 I 17 to 1976 X 14.
Kermit	Texas, USA	KTE	31 31 40N	103 05 51W	799		*Closed*. From 1976 I 15 to 1976 X 14.
Kermit	Texas, USA	KTT	31 32 37N	102 52 55W	795		From 1975 XI 10.
Kermit	Texas, USA	KTX	31 31 49.8N	103 17 22.8W	847		*Closed*. From 1976 I 16.
Kern−Tulare	California, USA	WKTM	35 47 38.4N	118 26 32.4W	890		
Keshet	Israel	KSHT	32 59 24N	35 49 48E	700		From 1991 V.
Ketchikan	Alaska and Aleutians, USA	KCN	55 20 36N	131 37 57W	20		
Ketetahi	North Island, New Zealand	KETZ	39 06 02.3S	175 39 06.4E	1208		From 1985 V.
Kettenpom Peak	California, USA	KKPM	40 08 45N	123 20 06W	1244		MNLO code KKP.
Kettle Butte	Idaho, USA	KBI	43 35 26.4N	112 22 36.0W	1698		From 1992.
Kettleman Hills	California, USA	PKEM	36 03 41.4N	120 06 32.4W	288		
Keuruu	Finland	KEF	62 10 02N	24 52 13E	215		From 1977 VIII 31.
Kevo	Finland	KEV	69 45 19N	27 00 24E	80		From 1967 VI 01.
Kevo	Finland	KEV1	69 45 21N	27 00 45E	97		*Closed*. To 1967 V 31.
Kew	England, UK	KEW	51 28 06N	0 18 47W	5		*Closed*. To 1968 XII.
Kfar Ka'horesh	Israel	HRSH	32 42N	35 17E	416		
Khabaz	Stravropol'skiy Kray, RF, CIS	KBZ	43 43 43.0N	42 53 51.0E			
Khaishi	Gruziya, CIS	KHS	42 54N	42 12E			
Khamā sīn	Saudi Arabia	KMSA	20 22 15.6N	44 29 42.0E	715		From 1988XI.
Khamis Mushayt	Saudi Arabia	KMTA	18 09 58N	42 51 54E	2000		*Closed*.
Khamīs Mushayṭ	Saudi Arabia	KMTU	18 09 57.6N	42 51 54.0E	2000		From 1990 VI 13.
Khancoban	New South Wales, Australia	KHA	36 12 49S	148 07 44E	435		From 1968 IX 06.
Khandyga	Yakutskaya ASSR, RF, CIS	KHG	62 40N	135 36E			
Khaolaem Dam	Thailand	KHT	14 47 05.4N	98 35 33.0E	173		*KDT* Formerly KDT. From 1982 X.
Khapcheranga	Buryatskaya ASSR, RF, CIS	KPC	49 42N	112 24E	950		
Khatum	Muscat and Oman	KTMO	23 29 02.8N	57 41 07.4E	85		From 1998 VII 13.
Kheis	Arkhangel'skaya Obl., RF, CIS	KHE	80 37N	58 03E	100		*Closed*. Kheys.
Khenifra	Morocco	KHF	33 00 18.0N	5 46 08.4W			
Khíos Island	Greece	XIO	38 15 24N	26 02 27E	210		Xios Island. From 1997.
Khodzhikent	Tadzhikistan, CIS	KDK	41 37N	69 58E			*Closed*. Khodchikent.
Khonsa	Arunachal Pradesh, India	KOI	26 59N	95 30E	785		From 1979.
Khor El Raml	Egypt	AKRL	23 39 36N	32 42 36E			
Khorog	Tadzhikistan, CIS	KHO	37 29N	71 32E	1850		
Khorongon	Tadzhikistan, CIS	KHR	38 40N	68 47E			*Closed*.
Khor Sakr	Egypt	AKSR	23 38 13.8N	33 01 15.0E			
Kiajanaja	Guatemala	KJA	15 44 23.4N	91 46 57.6W	2280		*Closed*. From 1980 X.
Kiara Terrace	Pakistan	KIA	34 06 48N	72 42 48E	497		
Kibwezi	Kenya	KIBK	2 20 23.7S	38 02 45.3E	775		From 1996 VI.
Kidman Hollow	Utah, USA	KDUT	41 43 16.8N	112 01 45.0W	1829		From 1978 X.
Kiev	Ukraina, CIS	KIEV	50 41 40N	29 12 36E	164		
Kiinag	Mie, Honshū, Japan	JKN	34 14 42N	136 16 00E	90		
Kijyo	Miyazaki, Kyū shū, Japan	JKJ	32 14 54N	131 24 54E	380		
Kikaishima	Ryū kyū Islands, Japan	JZK	28 18 54N	129 58 18E	120		
Kika Raxquin	Guatemala	KIK	14 48 46.8N	91 24 37.8W	3200		From 1980 X.
Kilauea		HVO	*See* Hawaiian Volcano				
Kilembe	Uganda	KIL	0 12 00.0N	30 00 28.8E	1372		Correction to longitude Dec 1991. From 1991 VII.
Kilenge	New Britain	KCM KCM	5 29S	148 23E	15		*Closed*. Kilenge Mission. From 1975 III to 1980 IX 05.
Kilima Mbogo	Kenya	KMBO	1 07 36.5S	37 15 08.0E	1940		
Kilmashogue	Ireland	DKM	53 15 19N	6 15 52W	280		From 1976 XI.
Kimball Pass	Alaska and Aleutians, USA	KMP	61 30 51.5N	145 01 47.3W	1103		From 1977 VIII 04.
Kimbe	New Britain	KMB	5 29S	150 06E	23		*Closed*. From 1969 XI 22.
Kimberley	Orange Free State, South Africa	KIM KIM	28 45 06S	24 46 48E	1321		*Closed*.
Kincaid Ranch	California, USA	HKRM	36 54 06.1N	121 25 33.6W	66		From 1975 VII 03.
Kindia	Guinea	KING	9 57 49.8N	12 52 06.6W	410		From 1991 VII.
King Edward Pt	South Georgia Islands, Antarctica	KEP KEP	54 16 48S	36 28 48W			*Closed*. From 1972 III 01.
Kingman	Arizona, USA	KG−	35 38 30N	113 54 28W	1067		*Closed*. From 1963 IV 19 to 1963 VII 11.
King Ranch	California, USA	KRC	35 19 36N	119 44 42W	680		*Closed*. To 1965 XII 03.
Kingsbay	Svalbard	KBS	78 55 32.2N	11 55 30.1E	74	WWSSN	Coordinates corrected Sept 1998.
Kingscourt	Ireland	DMU	53 53 56N	6 54 38W	280		From 1976 XI.
Kingscourt	Ireland	DMUB	53 54 00N	6 54 31W	280		Kingscourt Remains. From 1994 IV 11.
Kings Mountain	Oregon, USA	KMOR	45 38 07.8N	123 29 22.2W	975		From 1982 IX.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Kingston	Jamaica	KIN	17 58 25.4N	76 47 06.2W	32		*Closed*. From 1937 to 1978 XII 09.
Kinkasan	Miyagi, Honshū, Japan	KSN	38 16 18N	141 35 18E			
Kinmen	Taiwan, China	KNM	24 25N	118 26E	14		
Kinomoto	Wakayama, Honshū, Japan	KMT KMT	34 15 44.4N	135 07 30.5E	20		*KNJ*Closed*. *KNU*. From 1965 VI 02 to 1965 XI 30.
Kipapa	Hawaii, Hawaiian Islands	KIP	21 25 24N	158 00 50W	73	WWSSN	Correction to coordinates Apr 1992.
Kipuka Nene	Hawaii, Hawaiian Islands	KNH	19 20 06N	155 17 24W	924		From 1967 IX 21.
Kiraçtepe	Turkey	KRCT	41 04 53N	32 52 45E	1449		*Closed*. From 1993 VII to 1994 VI.
Kirchzarten	Baden-Württemberg, Germany	KIZ	47 57 22.2N	7 55 05.4E	444		
Kırıkhan	Turkey	KRH	36 29 31.9N	36 20 47.8E	220		*Closed*. From 1979 XII.
Kiritimati	Kiribati (Gilbert Islands)	XMAS	2 02 41.3N	157 26 43.1W	1		
Kirkby Lonsdale	England, UK	LKL	54 13 06.6N	2 32 04.2W	396		*Closed*. From 1989 to 1992 X 14.
Kirkenes	Norway	KRK	69 43 27N	30 03 45E	25	WWSSN	*Closed*. To 1969 V.
Kirkland Lake	Ontario, Canada	KLC	48 08 41N	80 01 45W	310		*Closed*.
Kirovabad	Azerbaydzhan, CIS	KRV	40 39N	46 20E	340		
Kiruna	Sweden	KIR	67 50 24N	20 25 00E	390		
Kishinev	Moldaviya, CIS	KIS	47 01N	28 52E	49		Kichinev.
Kislovodsk	Stravropol'skiy Kray, RF, CIS	KIV	43 57 22.3N	42 41 19.7E	1210		Correction to coordinates 1992.
Kislovodsk Ar.	Stravropol'skiy Kray, RF, CIS	KIV0	43 57 20.5N	42 41 42.7E	1196		Kislovodsk Array Site 0.
Kislovodsk Ar.	Stravropol'skiy Kray, RF, CIS	KIV2	43 57 19.4N	42 41 49.2E	1196		
Kislovodsk Array	Stravropol'skiy Kray, RF, CIS	KVAR	43 57 20.5N	42 41 42.7E	1196		Kislovodsk Array Beam Reference Point.
Kitakami	Iwate, Honshū, Japan	KGJ	39 23 18N	141 33 54E	376		
Kitakata	Miyazaki, Kyūshū, Japan	JKIT	32 37 29.4N	131 27 13.3E			From 1997III.
Kiyosumi	Chiba, Honshū, Japan	KIY	35 09N	140 11E	290		*Closed*. To 1941.
Kiyosumi	Chiba, Honshū, Japan	KYS	35 11 51.6N	140 08 53.6E	180		From 1966IV.
Kizyl−Arvat	Turkmeniya, CIS	KAT	39 12N	56 16E	90		
Klagenfurt	Austria	KFA	46 38 54N	14 19 40E	450		Klagenfurt Airport.
Klamath Falls	Oregon, USA	KFO	42 16 00N	121 44 42W	1439		From 1962.
Kluane	Yukon Territory, Canada	KEY	61 03 00N	138 30 06W	785		*Closed*. From 1979 III 09 to 1981 VII 25.
Kluang	Peninsular Malaysia, Malaysia	KGM	2 00 56.4N	103 19 08.4E	103		
Klutina	Alaska and Aleutians, USA	KLU	61 29 34.2N	145 55 12.6W	1012		From 1972 VIII 09.
Klyuchi	Kamchatskaya Obl., RF, CIS	KLY	56 19N	160 52E	149		Klioutchi.
Knight Island	Alaska and Aleutians, USA	KNIM	60 20 55.2N	147 44 09.6W	434		
Knik Glacier	Alaska and Aleutians, USA	KNK	61 24 45.0N	148 27 20.4W	595		
Knox Ranch	California, USA	KNO	35 29 00N	118 31 42W	1090		*Closed*. From 1952 VII to 1952 XI 10.
Knoxville	Tennessee, USA	HPKT	35 55 33.6N	83 52 44.4W	305		*Closed*. From 1980 III 25 to 1991 IV 01.
Kobayashi Ranch	California, USA	KBY	33 02 24.6N	115 42 03.6W	−51		*Closed*. From 1975 II to 1976 V.
Kōbe	Hyogo, Honshū, Japan	KOB	34 41 18N	135 10 48E	58		
Köbenhavn		COP	*See* Copenhagen				
Kobuan	Bougainville	KOA	6 13 26.9S	155 37 08.3E	65		*Closed*. From 1969 XII 07 to 1972 XI 30.
Kōchi	Kōchi, Shikoku, Japan	KOC	33 33 12N	133 32 12E	−1		Kōti.
Kodaikanal	Tamil Nadu, India	KOD	10 14N	77 28E	2345	WWSSN	From 1910.
Kodiak	Alaska and Aleutians, USA	KD1	57 44 48N	152 29 30W			From 1964 IV 21 to 1964 V 10.
Kodiak	Alaska and Aleutians, USA	KD2	57 45 30N	152 29 36W			From 1964 IV 10 to 1964 V 03.
Kodiak	Alaska and Aleutians, USA	KD3	57 44 54N	152 30 54W			From 1964 V 14 to 1964 VIII 17.
Kodiak Island	Alaska and Aleutians, USA	KDAK	57 46 58.1N	152 35 00.6W	64		
Kodiak Island	Alaska and Aleutians, USA	KDC	57 44 52.2N	152 29 30.0W	13		From 1964 IV 02.
Koforidua	Ghana	KOGH	6 05 03N	0 14 35W	483		From 1987.
Kōfu	Yamanashi, Honshū, Japan	KOF	35 39 54N	138 33 24E	274		Kōhu.
Kohala	Hawaii, Hawaiian Islands	KOH	20 07 41.4N	155 46 46.2W	1166		
Kohima	Nagaland, India	KHM	25 39 47N	94 04 34E	1630		From 1979.
Kohls Ranch	Arizona, USA	KH−	34 29 00N	111 02 03W	2286		*Closed*. From 1964 IV 02 to 1964 VI 18.
Koidern River	Yukon Territory, Canada	KRY	61 58 12N	140 24 30W	686		*Closed*. To 1981 III 31.
Kokstad	Cape Province, South Africa	KSD	30 32 00S	29 25 00E	1350		From 1993 III.
Kolay	Turkey	KOL	41 25 27.5N	35 47 46.0E	145		From 1976 IX.
Koldanda	Nepal	KOLN	27 46 12N	83 36 00E	1830		From 1994 IV.
Köln		CLG	*See* Cologne				
Kolozsvar		CLU	*See* Cluj				
Komaba	Saitama, Honshū, Japan	KOM	35 39 00N	139 45 46E	38		*Closed*. To 1941.
Komakuk Beach	Yukon Territory, Canada	KBT	69 35 37.2N	140 10 55.8W	15		From 1981 VIII 08.
Kompina	Cameroon	KMC	4 23 10N	9 34 41E	85		From 1984 XII 14.
Konawaena	Hawaii, Hawaiian Islands	KNW	19 30 48N	155 55 06W	495		*Closed*. From 1922 to 1960 XII.
Konedobu	Papua New Guinea	KDB	9 28 18.1S	147 09 35.2E	40		Correction to coordinates Sep 1992. From 1968.
Kongan	Nagaland, India	KGNI	26 45 21N	94 50 18E	500		
Kongsberg	Norway	KON	59 38 56.7N	9 35 53.6E	216	WWSSN	*Closed*.
Kongsberg	Norway	KONO	59 38 56.7N	9 35 53.6E	216		
Königsberg	Kaliningradskaya Obl., RF, CIS	KNG KNG	54 50N	20 30E	33		*Closed*. Kaliningrad.
Königsstuhl		HEI	*See* Heidelberg				
Konogogo	New Ireland	EKN	3 29 19.8S	152 11 06.0E	270		
Köppel	Rheinland-Pfalz, Germany	KOE	50 25 31.0N	7 43 53.8E	0		
Korca	Albania	KBN	40 37 25N	20 47 15E	800		Correction to longitude Dec 1992.
Korea Array	South Korea	KSRS	37 27 14.4N	127 55 22.8E			
Korhogo	Ivory Coast	LKO	9 32 39.8N	5 35 20.0W	435		From 1989 VI.
Korintji−Dempo	Sumatera, Indonesia	KKD	3 42S	102 56E			*Closed*. Korintji−Kaba−Dempo.
Koro	Fiji	KRO	17 18 50.6S	179 23 29.7E	522		From 1981 XI.
Koror	Caroline Islands	KOR	7 20 06N	134 29 06E	30		*Closed*. From 1950 I to 1958 XII.
Kosan Boka	Ivory Coast	KIC	6 21 38N	4 44 28W	176		From 1967 VI 01.
Kosiro		KUS	*See* Kushiro				
Kosmodemyansk	Sakhalinskaya Obl., RF, CIS	KOS	44 06N	145 53E			*Closed*.
Kosmos	Washington, USA	KOSW	46 27 40.8N	122 11 25.8W	828		
Kosov	Ukraina, CIS	KSV	48 19N	25 04E			
Koster	Transvaal, South Africa	KSR	25 51 54S	26 53 48E	1623		
Kosyun		HEN	*See* Hengchun				
Kotabumi	Sumatera, Indonesia	KLI	4 51 47.4S	104 51 24.0E			
Kota Kinabalu	Sabah, Malaysia	KKM	6 02 39.6N	116 12 52.8E	830		Jesselton.
Kothi	Himachal Pradesh, India	KOTI	32 18 27.6N	77 12 00.0E	2527		From 1985 VIII 01.
Kōti		KOC	*See* Kōchi				
Kottamaia	Egypt	KEG	29 55 39.0N	31 49 45.1E	460		From 1991.
Kottamia	Egypt	KOT	29 55 48N	31 49 48E			
Kotzebue	Alaska and Aleutians, USA	KTA	66 51 00N	162 36 36W	26		From 1976 VIII.
Koumac	New Caledonia	KOU	20 33 43S	164 16 53E	17		
Kourday		KRD	*See* Kurday				
Koussour	Djibouti	KSU	11 32 00.6N	42 26 46.8E	370		From 1975 XI.
Kouya	Wakayama, Honshū, Japan	JWY	34 13 06N	135 35 36E	795		
Kovokta	Buryatskaya ASSR, RF, CIS	KVO	56 06N	113 06E			
Kowa	Mali	KOWA	14 29 48N	4 01 00W	280		
Kowen Forest	ACT, Australia	KOW	35 17 18S	149 17 54E	792		
Koyama	Shizuoka, Honshū, Japan	KOY	35 21N	138 59E			*Closed*. To 1941.
Koyna Nagar	Maharashtra, India	KNI	17 23 48N	73 45 00E	630		*Closed*. From 1963 X 11.
Kozaga	Wakayama, Honshū, Japan	JWZ	33 31 48N	135 42 54E	240		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Kozani	Greece	KZN	40 18 24N	21 46 15E	900		
Kō zu shima	Bonin Islands, Japan	JKO	34 11 12N	139 08 12E	138		
Kozyrevsk	Kamchatskaya Obl., RF, CIS	KOZ	56 03N	159 52E			
Kraków	Poland	KRA	50 03 28N	19 56 23E	223		*Closed*. Cracow. From 1954 to 1992 IV.
Kramer	California, USA	KM− KM−	34 52 52N	117 15 24W	853		*Closed*. From 1963 IV to 1963 VII from 1964 I to 1964 III from 1966 II to 1966 III.
KrasnayaPolyana	Krasnodarskiy Kray, RF, CIS	KPR	43 40N	40 12E	450		*Closed*.
Krasnogorka	Kazakhstan, CIS	KRS	43 15N	75 10E			*Closed*.
Krasnovodsk	Turkmeniya, CIS	KRF	40 00N	53 00E			
Kremsmünster	Austria	KMR	48 03 23.4N	14 07 54.9E	379		From 1958.
Krib	Tunisia	KRIT	36 20 18.0N	9 04 29.4E	640		
Kronoki	Kamchatskaya Obl., RF, CIS	KRN	54 36N	161 10E			
Krupnik	Bulgaria	KKB	41 52 00N	23 04 59.9E	434		
Krutoberegovo	Kamchatskaya Obl., RF, CIS	KBG	56 15N	162 42E			
Ksara	Lebanon	KSA	33 49 24N	35 53 24E	920		*Closed*.
Ksar Es Souk	Morocco	KES KES	31 59 42N	4 27 18W	1124		*Closed*. Code changed to HAD. From 1973 II to 1976 X.
Kshj	Jordan	KSHJ	30 16 26.4N	36 57 57.6E	1005		From 1995 VIII.
Ksiaz	Poland	KSP	50 50 36N	16 17 36E	380		
Kuala Lumpur	Peninsular Malaysia, Malaysia	KLM	3 06 09.0N	101 38 40.8E	46		
Kuangyinshan	Taiwan, China	TWS1	25 06 02.9N	121 25 03.7E	60		From 1981 I 05.
Kuaotunu	North Island, New Zealand	KUZ	36 44 49.5S	175 43 11.6E	40		From 1990 X 11.
Kubokawa	Kō chi, Shikoku, Japan	JKU	33 18 36N	133 03 48E	340		
Kuching	Sarawak, Malaysia	KSM	1 30 00N	110 21 42E			
Kuchinoerabu	Ryū kyū Islands, Japan	JKC	30 27 42N	130 11 42E	20		
Kucino	Moskovskaya Obl., RF, CIS	KUC	55 45N	37 58E	155		*Closed*.
Kudamatsu	Yamaguchi, Honshū, Japan	JKD	34 03 12N	131 52 24E	220		
Kufra	Syria	KFRA	35 12 45.0N	36 47 58.5E	650		From 1994 XII.
Kukësi	Albania	KKS	42 04 32.2N	20 24 40.7E	300		
Kukul	Guatemala	KKG	14 58 30.0N	92 02 09.6W	960		From 1979 XI.
Kukurantumi	Ghana	KUK	6 11 20.4N	0 22 08.4W	198	WWSSN	From 1973 III.
Kul'dur	Yevreyskaya Obl., RF, CIS	KLR	49 13 48N	131 45 00E	298		From 1954.
Kulyab	Tadzhikistan, CIS	KUL	37 54N	69 45E	605		
Kumagaya	Saitama, Honshū, Japan	KMG	36 08 48N	139 23 00E	31		
Kumamoto	Kumamoto, Kyū shū, Japan	KUM	32 48 36N	130 42 36E	39		
Kumamoto 2	Kumamoto, Kyū shū, Japan	KUMJ	32 32 06N	130 49 42E	170		
Kumano	Wakayama, Honshū, Japan	KMN	33 58 03.8N	136 03 29.6E	300		
Kumba	Cameroon	KBC	4 39 11N	9 24 47E	375		From 1985 III 17.
Kume jima	Ryū kyū Islands, Japan	KMJ	26 20 06N	126 48 24E	4		
Kume jima 2	Ryū kyū Islands, Japan	JKE	26 19 33.6N	126 47 09.6E	71		
Kumora	Buryatskaya ASSR, RF, CIS	KMO	55 53N	111 13E			*KUM** Formerly KUM*.
Kuni	Gumma, Honshū, Japan	JGK	36 33 43.2N	138 38 22.8E	645		
Kunigami	Ryū kyū Islands, Japan	JOW	26 49 55.8N	128 16 28.2E	220		
Kunimi	Ō ita, Kyūshū, Japan	JKI	33 37 54N	131 34 06E	120		
Kunming	Yunnan, China	KMI	25 07 24N	102 44 24E	1945		*KUN* K'un−ming.
Kunneppu	Abashiri, Hokkaidō, Japan	KNP	43 45 35.7N	143 42 44.6E	190		
Kununurra	Western Australia, Australia	KNA	15 45S	128 46E	60		From 1965 XI.
Kuosheng	Taiwan, China	TWX	25 11 55.6N	121 39 41.7E	40		From 1975 I 10.
Kupang	Timor, Indonesia	KUG KUG	10 09 04.8S	123 36 19.2E	52		Correction to coordinates Dec 1991. From 1973 I 01.
Kupang	Timor, Indonesia	KUP	10 10 04S	123 35 11E	52		*Closed*.
Kupang	Timor, Indonesia	KUPT	10 09 04.8S	123 36 19.2E			
Kupiano	Papua New Guinea	KPN	10 04 28.4S	148 10 53.1E	20		
Kupiano	Papua New Guinea	KUPN	10 04 37S	148 11 03E	10		From 1983 XII 14.
Kurahashi	Hiroshima, Honshū, Japan	JHM	34 08 18N	132 31 42E	60		
Kuranda	Queensland, Australia	KDA	16 49 30S	145 37 48E	365		*Closed*. From 1959 XI to 1964.
Kurayoshi	Tottori, Honshū, Japan	JKR	35 22 42N	133 49 12E	180		
Kurchatov	Kazakhstan, CIS	KURK	50 42 55.4N	78 37 12.7E	184		
Kurday	Kazakhstan, CIS	KRD	43 23N	75 03E	900		*Closed*. Kourday.
Kŭrdzhali	Bulgaria	KDZ	41 39 00.0N	25 25 00.1E	409		Position corrected Oct 1988.
Kure	Hiroshima, Honshū, Japan	KRE	34 14N	132 34E			*Closed*.
Kuril'sk	Sakhalinskaya Obl., RF, CIS	KUR	45 14N	147 52E			Kourilsk.
Kurkur	Egypt	AKUR	23 53 38.4N	32 46 33.6E			
Kurmenty	Kazakhstan, CIS	KRM	43 00N	78 27E			
Kuroka	Gifu, Honshū, Japan	JGF	35 36 03N	137 21 25.8E	580		
Kurty	Kazakhstan, CIS	KUU	44 15 00N	76 54 00E			
Kurukshetra	Haryana, India	KKR	29 57 48N	76 49 30E	257		From 1974 I.
Kushima	Miyazaki, Kyū shū, Japan	JJK	31 28 48N	131 17 06E	240		
Kushiro	Kushiro, Hokkaidō, Japan	KUS	42 58 30N	144 23 30E	33		Kosiro Kusiro.
Kushiro	Kushiro, Hokkaidō, Japan	KUSJ	43 06 00N	144 47 42E	−30		*KSUJ* Formerly KSUJ. From 1978.
Kuta	Papua New Guinea	KUTA	5 55 12.0S	144 13 23.7E	2017		
Kutsugahara	Hiroshima, Honshū, Japan	KUT	34 57 10.1N	132 48 57.2E	336		*Closed*. From 1968 V 06 to 1974 XII 27.
Kutztown	Pennsylvania, USA	KTZ	40 30 42N	75 46 48W	148		From 1967 X.
Kuujjuuaa	Quebec, Canada	KUQ	58 06 32.4N	68 24 40.8W	54		From 1990 I 21.
Kuzumaki	Iwate, Honshū, Japan	JKZ	39 59 04.2N	141 19 47.4E	620		
Kwangchou, Canton		GZH	*See* Guangzhou				
Kwei−yang		GYA	*See* Guiyang				
Kyakhta	Buryatskaya ASSR, RF, CIS	KYA	50 22N	106 27E			*Closed*. Kjakhta, Kiakhta.
Kyburz Flat	California, USA	KBF	39 30 24.4N	120 12 42.4W	2079		From 1973 IV.
Kyle	Scotland, UK	KYL	57 19 11N	5 39 02W	105		*Closed*. From 1984 to 1986 IV 18.
Kyō to	Kyōto, Honshū, Japan	KYO	35 00 42N	135 44 06E	42		
Kziot	Israel	KZIT	30 55 12N	34 26 24E	200		
Labé	Guinea	LABG	11 13 58.2N	12 19 55.8W	1130		From 1991 VII.
Labete	Solomon Islands	LBT	8 19S	157 16E			
Laç	Albania	LACI	41 38 10.7N	19 42 33.8E	40		
Lac Daran	Quebec, Canada	DAQ	47 57 52N	71 14 33W	939		From 1988 XII 15.
Lac du Bonnet	Manitoba, Canada	ULM	50 14 58.8N	95 52 30.0W	281		From 1984 IX 04.
La Ceiba	El Salvador	LCBS	13 39 18N	88 58 42W	710		From 1991 XII.
La Chapelle	Franche Comté, France	CABF	46 36 40N	6 05 15E	1070		La Chapelle aux Bois. From 1996 IV 03.
La Châtaigneraie	Poitou-Charentes, France	LCHF	46 40 09N	0 44 53.4W	166		
Lacona	New York, USA	LCNA	43 38 39.0N	75 55 33.6W	396		
La Concha	Guatemala	LHG	14 26 42N	91 10 57W	600		From 1979 V.
Laconia	New Hampshire, USA	LANH	43 35 27.6N	71 29 24.0W	200		
Lacq	Aquitaine, France	LACL	43 26 06N	0 43 37W	195		
Lacq−Usine	Aquitaine, France	USIL	43 25 01N	0 38 16W	95		
La Cruz	Colombia	CRUC	1 29 55.2N	76 57 08.2W	2743		From 1994.
La Cruz	Costa Rica	CRZC	10 57 12N	85 35 48W	325		
La Cuchilla	Venezuela	LACU	7 52 36.1N	71 23 26.2W	800		From 1984.
La Cueva	New Mexico, USA	LCV	35 52 58N	106 40 27W	2652		*Closed*. From 1973 IX.
La Cumbre	Guatemala	CMG	14 40 14.4N	89 47 07.2W	1802		*Closed*. Replaced by CMG2. To 1981 I.
La Cumbre 2	Guatemala	CMG2	14 39 39N	89 47 12W	1710		From 1988.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
La Cumbre Peak	California, USA	LPC	34 29 47.4N	119 42 48.6W	1190		From 1969 XI.
La Danta	Venezuela	LADA	7 56 20N	71 36 47W	1200		From 1984.
Ladd Mountain	Washington, USA	LMW	46 40 04.8N	122 17 28.8W	1195		From 1975 VI 30.
La Desirade	Guadeloupe	DEG	16 18 47.5N	61 03 35.3W	575		From 1988 III.
La Diana	Colombia	DIAC	3 17 28.8N	76 11 50.4W	1520		From 1987.
La Diferencia	Dominican Republic	DR06	19 13 58.2N	70 59 29.4W			*DR6* Dominican Network. Changed name Mar 1990.
		DR06					
Ladron	New Mexico, USA	LAZ	34 24 07.2N	107 08 21.6W	1853		
Ladron Mountain	New Mexico, USA	LAD	34 27 30N	107 02 15W	1768		From 1976 I.
La Druitiére	Basse-Normandie, France	LDF	48 35 37N	0 07 20W	290		From 1982 IX 28.
Lady	Utah, USA	LDJ	40 34 52.8N	111 24 28.2W	2231		From 1992 IX 30.
Lae	Papua New Guinea	LAE	6 40 23S	146 54 48E	50		*Closed*. Replaced by *LAT*. From 1966 to 1970 V 18.
		LAE					
Lae	Papua New Guinea	LAT	6 39 54.4S	147 00 05.8E	72		Replaces *LAE*. Correction to coordinates Sep 1992. From 1970 V 18.
		LAT					
Lae − Mt Lunaman	Papua New Guinea	LML	6 44 06.5S	147 00 31.5E	100		From 1979.
Lafayette	Georgia, USA	LA−	34 51 26N	85 27 00W	610		*Closed*. From 1965 XII 03 to 1965 XII 13.
Lafayette	Rhode Island, USA	LAF	41 33 03N	71 30 24W	40		*Closed*. From 1976 III 25 to 1977 VI 10.
La Folinière	Basse-Normandie, France	FLN	48 45 45N	0 28 55W	240		Folinière.
La Follette	Tennessee, USA	LF−	36 28 11N	83 49 43W	366		*Closed*.
La Forêt Royale	Provence-Côte d'Azur, France	FRF	43 33 38.5N	6 38 48.4E	310		Replaces SPF. From 1981 VII 01.
La Frestale	Aquitaine, France	LFF	44 56 22.3N	0 44 24.6E	200		Moved from 44:56:12N 0:44:10E 193m 1985:07: 11. From 1985 VII 17.
		LFF					
La Fuente	El Salvador	LFU	13 44 55.2N	89 06 49.8W	732		
Lagarterita	Panama	LGT	9 04 28.2N	79 54 54.0W			
Lagoa do Fogo	Azores	LFA	37 46 21.5N	25 28 59.1W	693		From 1981 I 01.
Lago Colima	Colombia	CLMC	3 52 52.9N	76 33 46.8W	1480		From 1988 XI.
Lago de Cote	Costa Rica	AR2	10 33 41N	84 53 36W	763		*Closed*.
Lagodekhi	Gruziya, CIS	LGD	41 48N	46 18E			
Lagor	Aquitaine, France	LAGL	43 24 22N	0 39 54W	190		
La Grande	Quebec, Canada	LAQ	53 48 26.4N	77 01 12.0W	183		From 1978 X 15.
La Grande	Quebec, Canada	LBQ	53 32 09.6N	77 21 14.4W	183		From 1979 VII 27.
La Grande	Quebec, Canada	LCQ	53 32 28N	76 58 23W	293		From 1978 X 13.
La Grande	Quebec, Canada	LDQ	53 48 22N	77 25 41W	198		
La Grande	Oregon, USA	LGOR	45 12 59N	118 00 03W	1200		From 1991 VII.
La Grande	Quebec, Canada	LGQ	53 41 24N	77 43 48W			*Closed*. From 1976 VIII 04 to 1980 V 17.
La Grande	Quebec, Canada	LTQ	53 42 06N	76 05 06W	313		*Closed*. From 1980 V to 1982 XI 17.
La Grande 3	Quebec, Canada	JAQ	53 48 07.9N	75 43 15.9W	366		*Closed*. From 1981 III 23 to 1982 XI 22 from 1984 IV 01.
		JAQ					
La Grande 3	Quebec, Canada	JBQ	53 36 37N	75 36 19W	381		To 1982 XI 16 from 1984 IV 02.
La Grande 3	Quebec, Canada	JCQ	53 28 02N	75 49 27W	320		To 1982 XI 06 from 1984 IV 02.
La Grande 3	Quebec, Canada	LRQ	53 42 05N	76 03 32W	284		From 1984 IV 02.
La Grande 3	Quebec, Canada	LXQ	53 43 20.4N	76 01 20.0W	195		From 1986 XII 16.
La Grande 4	Quebec, Canada	KAQ	53 58 59.8N	73 31 22.8W	472		*Closed*. From 1983 to 1984 III 12.
La Grande 4	Quebec, Canada	KBQ	53 58 40N	73 17 06W	472		*Closed*. From 1983 to 1984 III 11.
La Grande 4	Quebec, Canada	KCQ	53 49 58.0N	73 07 54.8W	457		*Closed*. From 1983 to 1984 III 11.
La Grande 4	Quebec, Canada	LQQ	53 50 44.8N	73 29 17.8W	311		*Closed*. From 1983 II 23 to 1984 III 11.
La Grange	Arkansas, USA	LGAR	34 39 07.2N	90 39 21.6W	100		From 1979 VIII 07 to 1979 XI 08 from 1979 XI 15.
Laguna Mts	Arizona, USA	LGA	32 45 34.8N	114 29 34.2W	68		
Laguna Peak	California, USA	BLG	34 06 34.2N	119 03 51.0W	415		From 1969 XI.
Laguna Verde	Valparaíso, Chile	LAV	33 05 14.5S	71 44 46.2W	60		*Closed*.
Laguna Verde	Veracruz, México	LVIG	19 43 23.5N	96 25 03.7W	41		Coordinates corrected Mar 1999.
Laguna Verde	Veracruz, México	LVVM	19 44 16.8N	96 26 55.8W			From 1988.
Laguneta	Venezuela	LAGU	9 46 12N	69 45 54W	800		From 1986.
Lagunillas	Venezuela	LAGV	10 13 26.4N	71 09 32.4W			
Lagunillas	Venezuela	LGN	10 08 42N	71 16 12W	−3		RESVAC code LGNV. From 1969 VIII 01.
La Honda	California, USA	LT5	37 19 52.7N	122 16 49.1W	226		*Closed*. Los Trancos 5. From 1966 XII 18 to 1970 V 01.
		LT5					
Lahore	Pakistan	LAH	31 33N	74 20E	210		*Closed*. From 1952 to 1968 XII 31.
Lahug		CCP	*See* Cebu City				
Laibach		LJU	*See* Ljubljana				
Laichau	Vietnam	LUV	22 03 07N	103 09 34E	1100		
Lajitas	Texas, USA	LTX	29 20 02N	103 40 01W	1013		From 1984 IX 12.
Lajitas Array	Texas, USA	TXAR	29 20 01.7N	103 40 01.2W	1013		Lajitas Array Beam Reference Point.
Lajitas B3	Texas, USA	LTB3	29 20 02.9N	103 40 01.9W	1013		Lajitas Array Site B3.
La Jolla	California, USA	LJC	32 51 48N	117 15 12W	8		*Closed*. From 1927 V 05 to 1975 XI 30.
La Joya	New Mexico, USA	LJY	34 20 11.4N	106 53 45.0W	1532		
Lake	Wyoming, USA	LKWY	44 33 54.7N	110 24 00.0W	2424		Yellowstone−Lake. From 1995 X 19.
Lake Chabot	California, USA	LKC	37 44 16.8N	122 03 49.8W	312		*CLCM* From 1972 XI 21.
Lakehead University, Port Arthur		LHC	*See* Thunder Bay				
Lake Helena	Montana, USA	LHM	46 40 32.1N	111 56 36.1W	1117		*Closed*. From 1974 X 09 to 1976 X 04.
Lake Herman	California, USA	NLHM	38 07 11.4N	122 08 52.2W	177		MNLO code NLH.
Lake Hughes	California, USA	LHU	34 40 15.5N	118 24 40.7W	1036		From 1976 VI.
Lake Mead	Nevada, USA	LM−	36 34 57N	114 32 07W	536		*Closed*. From 1961 XI 25 to 1961 XII 20 from 1962 V 09 to 1962 V 14.
		LM−					
Lake Moeraki	South Island, New Zealand	LMZ	43 43 06S	169 16 14E	10		From 1990 XI 09.
Lake Mountain	Utah, USA	LMU	40 16 59N	111 56 13W	2316		*Closed*. From 1974 IX to 1980 III.
Lakeside	Connecticut, USA	LSCT	41 40 42.2N	73 13 27.8W	318		From 1993 VIII 04.
Lake Taylor	South Island, New Zealand	LTZ	42 46 58.2S	172 16 07.8E	640		From 1989 XI.
Lakeview Peak	Washington, USA	LVP	46 04 06N	122 24 30W	1170		
Lake Wappapello		GRV	*See* Greenville				
Lake Wenatchee	Washington, USA	LW−	47 50 44N	120 54 06W	762		*Closed*.
Lake Wisdom	Papua New Guinea	LKW	5 20 06S	147 03 54E	150		
Lakewood Golf C.	California, USA	LGC	33 50 09.0N	118 09 01.2W	17		*Closed*. Lakewood Golf Course. From 1971 VII 07 to 1974 III 15.
		LGC					
La Laja		RTLL	*See* Cerro Villicun				
Lale Fork Canyon	New Mexico, USA	LFC	35 52 36.8N	106 39 52.9W	2451		
La Lomota	Dominican Republic	DR05	19 37 59.4N	70 51 34.8W			*DR5* Dominican Network. Changed name Mar 1990.
		DR05					
La Lucha	Costa Rica	LCR	9 44 18.4N	84 00 05.8W	1400		*Closed*. From 1978 I to 1982 XI.
La Lucha 2	Costa Rica	LCR2	9 44 31.8N	84 00 10.8W	1730		From 1982 XI.
La Lucha Farm	Costa Rica	LLC	9 39 55.5N	83 59 56.7W	1400		*Closed*. From 1966 II to 1978 I.
La Malbaie	Quebec, Canada	LMQ	47 32 54N	70 19 36W	419		From 1976 XI 04.
Lamap	Vanuatu (New Hebrides)	LMP	16 25 32S	167 48 01E	60		
La Martinique		FDF	*See* Fort de France				
Lambert Chapel	Alabama, USA	LCAL	34 31 21.0N	85 37 48.6W	544		*Closed*. From 1983 II 24 to 1985 XII 03.
Lambom Is	New Ireland	ELB	4 48 13.8S	152 49 48.0E	10		
La Mesa Andrade	Sonora, México	LMX	32 06 31.2N	114 57 37.8W			La Mesa de Andrade. From 1988.
Lamington	Papua New Guinea	LMG	8 54 30S	148 09E	1200		From 1970.
Lamocks	Guangdong (Kwangtung), China	LMC	23 16N	117 17E			
		LMC					

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Lamongan	Jawa, Indonesia	LAM					*Closed*.
Lamont Out−Stn	California, USA	OBS	38 05 31.2N	124 32 38.4W	−3840		*Closed*. Ocean Bottom Seismometer. From 1966
		OBS					to 1972.
La Mourre	Provence-Côte d'Azur, France	LMR	43 20 02N	6 30 33E	200		
Lampang	Thailand	LPT	18 12 00N	99 30 00E	560		*Closed*. From 1976 II to 1978 VIII.
Lampedusa	Italy	LPD	35 30 41.0N	12 35 42.2E	20		From 1989 V.
Lampeter	Wales, UK	LPW	52 06 49N	4 04 05W	152		
Lamto	Ivory Coast	LIC	6 13 28N	5 01 40W	105		From 1965 VI.
L.A. Museum	California, USA	LCM	34 01 04.2N	118 17 13.2W			Los Angeles Museum of Natural History. From
		LCM					1971 VIII.
Lan−chou		LAN	*See* Lanzhou				
Lan−chou		LZH	*See* Lanzhou				
Land−Between	Kentucky, USA	LLKY	36 55 19.2N	88 05 49.2W	177		Land−Between−the−Lakes. Formerly Lakes Land.
		LLKY					From 1985.
Landers	California, USA	LAC	34 23 23.2N	116 24 41.4W	792		From 1968 VIII.
Landslide	Washington, USA	LSW	46 28 40.8N	119 14 43.2W	262		*Closed*. From 1970 VI to 1971 X.
Langara Island	British Columbia, Canada	LIB	54 15 21N	133 03 30W	35		From 1984 IX 12.
Langenberg	Alsace, France	LANF	48 58 50N	7 48 19E	500		
Langila	New Britain	LAG	5 27 20S	148 26 00E	24		Cape Gloucester.
Lanshu	Taiwan, China	TWI	22 04 05.9N	120 30 18.0E	20		From 1974 IX 12.
Lanslevillard	Rhône-Alpes, France	LNS	45 17 20N	6 54 53E	1480		
Lanyu	Taiwan, China	LAY	22 02 19.4N	121 33 02.1E	324		Correction to position Nov 1990.
Lanzarote	Canary Islands	CLAN	29 06 11N	13 28 34W	356		
Lanzhou	Gansu (Kansu), China	LAN	36 03N	103 50E	1518		*Closed*. Kaolan Lan−chou.
Lanzhou	Gansu (Kansu), China	LCC	36 05N	103 40E	1600		*Closed*. Liang−chou.
Lanzhou	Gansu (Kansu), China	LZH	36 05 12N	103 50 40E	1560		Lan−chou.
La Palma	El Salvador	LPS	14 17 32N	89 09 43W	1000	WWSSN	
La Paz	Bolivia	LPAZ	16 17 16.6S	68 07 50.4W	4774		
La Paz	Bolivia	LPB	16 31 57.8S	68 05 54.1W	3292	WWSSN	From 1962 II.
La Paz	Baja California, México	LPIG	24 06 07.2N	110 18 28.8W	46		Coordinates corrected Nov 1997.
La Paz		LPZ	*See* San Calixto				
La Paz	Bolivia	LZ−	16 15 31S	68 28 47W	3993		*Closed*.
La Paz (Mex)	Baja California, México	LAP	24 09 36N	110 16 48W	65		
La Pedrera	Venezuela	LAPE	7 33 28.8N	71 34 32.2W	327		From 1984.
La Peregrina	Puerto Rico	LPR	18 18 31N	65 52 11W	580		*Closed*. From 1976 VIII 10.
La Plagne	Rhône-Alpes, France	LPG	45 29 51.7N	6 45 05.2E	2570		From 1985 VI 01.
La Plagne	Rhône-Alpes, France	LPL	45 30 59.2N	6 43 56.6E	2070		From 1986 VII 01.
La Plaine Cafres	Réunion	PCR	21 11 44.4S	55 34 40.0E	2270		*Closed*. La Plaine des Cafres. To 1986 II.
La Plantade	Auvergne, France	PLDF	45 58 11.4N	3 37 16.2E	940		From 1983 VI.
La Plata	Buenos Aires, Argentina	LPA	34 54 32S	57 55 55W	14	WWSSN	From 1907.
La Pocatière	Quebec, Canada	LPQ	47 20 27.0N	70 00 33.6W	126		From 1980 VI 06.
La Pocatière	Quebec, Canada	POC	47 21 52N	70 02 27W	61		*Closed*. From 1972 I 21 to 1980 X 17.
La Pryor	Texas, USA	LP−	29 10 47N	99 40 35W	274		*Closed*. From 1961 XI 27 to 1962 V 16.
Lapseki	Turkey	LPK	40 22 21.6N	26 45 36.6E	200		
La Quiaca	Jujuy, Argentina	LQA	22 06 12S	65 36 12W	3464		*Closed*.
La Quinta	California, USA	LAQC	33 37 40.8N	116 16 46.8W	49		
Laramie	Wyoming, USA	LAR	41 18 52N	105 34 59W	2400		*Closed*. From 1954 to 1977.
Larch Mountain	Oregon, USA	VLMM	45 32 18.6N	122 02 21.0W	1158		MNLO code VLM.
Lares	Puerto Rico	LRS	18 17 36.1N	66 50 41.9W	440		From 1977 II 15.
La Roca	Costa Rica	LARO	9 42 30N	84 02 00W	2120		
La Roche	Poitou-Charentes, France	LRYF	46 34 43.2N	1 32 49.8W	67		La Roche−sur−Yon.
La Rúa	Spain	ERUA	42 23 33.6N	7 08 33.0W	431		From 1987 V.
La Rusia	Colombia	RUSC	5 55 37.7N	73 04 31.7W	3356		From 1994.
La−sa		LHA	*See* Lhasa				
La−sa		LSA	*See* Lhasa				
Lasa Array	Montana, USA	LA0	46 41 19N	106 13 20W	744		
Lasa Array	Montana, USA	LASA	46 41 19N	106 13 20W	744		
LASA B Ring	Montana, USA	LB1	46 45 08N	106 05 30W	754		*Closed*. From 1966 I.
LASA B Ring	Montana, USA	LB2	46 38 06N	106 09 46W	694		*Closed*. From 1966 I.
LASA B Ring	Montana, USA	LB3	46 39 33N	106 19 01W	723		*Closed*. From 1966 I.
LASA B Ring	Montana, USA	LB4	46 46 05N	106 14 35W	717		*Closed*. From 1966 I.
LASA Centre	Montana, USA	LAO	46 41 19N	106 13 20W	744		From 1966 I.
LASA C Ring	Montana, USA	LC1	46 50 22N	106 07 39W	719		*Closed*. From 1966 I.
LASA C Ring	Montana, USA	LC2	46 40 10N	106 00 45W	779		*Closed*. From 1966 I to 1978 VI 30.
LASA C Ring	Montana, USA	LC3	46 34 27N	106 14 59W	682		*Closed*. From 1966 I to 1978 VI 30.
LASA C Ring	Montana, USA	LC4	46 44 07N	106 22 26W	764		*Closed*. From 1966 I to 1978 VI 30.
LASA D Ring	Montana, USA	LD1	46 50 23N	105 53 22W	759		*Closed*. From 1966 I to 1978 VI 30.
LASA D Ring	Montana, USA	LD2	46 30 11N	106 00 39W	661		*Closed*. From 1966 I to 1978 VI 30.
LASA D Ring	Montana, USA	LD3	46 32 59N	106 28 49W	800		*Closed*. From 1966 I.
LASA D Ring	Montana, USA	LD4	46 56 31N	106 23 00W	713		*Closed*. From 1966 I to 1978 VI 30.
LASA E Ring	Montana, USA	LE1	47 09 46N	106 03 22W	686		*Closed*. From 1966 I to 1974 I 01.
LASA E Ring	Montana, USA	LE2	46 30 46N	105 21 53W	610		*Closed*. From 1966 I to 1974 I 01.
LASA E Ring	Montana, USA	LE3	46 08 58N	106 20 03W	761		*Closed*. From 1966 I to 1974 I 01.
LASA E Ring	Montana, USA	LE4	46 45 39N	106 55 00W	803		*Closed*. From 1966 I to 1974 I 01.
LASA F Ring	Montana, USA	LF1	47 22 15N	105 11 15W	740		*Closed*. From 1966 I to 1974 I 01.
LASA F Ring	Montana, USA	LF2	45 54 34N	105 29 08W	754		*Closed*. From 1966 I to 1974 I 01.
LASA F Ring	Montana, USA	LF3	45 58 22N	107 04 54W	837		*Closed*. From 1966 I to 1974 I 01.
LASA F Ring	Montana, USA	LF4	47 24 40N	106 56 37W	707		*Closed*. From 1966 I to 1974 I 01.
Las Brisas	El Salvador	LBRS	13 44 18N	89 02 36W	770		From 1991 XII.
Las Cañadas	Canary Islands	CCAN	28 13 18N	16 36 18W	2210		
Las Cruces	New Mexico, USA	LC−	32 24 08N	106 35 58W	1585		*Closed*.
Las Cruces	Santiago, Chile	LCCH	33 28 31.2S	71 34 10.8W	180		NBS Time (GOES). From 1987 XI 17.
Las Granadillas	El Salvador	GRDS	13 45 30N	89 17 30W	1500		From 1991 XII.
Las Lajas	Veracruz, México	LJX	19 32 18N	97 08 57W	3050		From 1983 IV.
Las Mesas	Puerto Rico	LSP	18 10 39.0N	67 05 09.6W	390		From 1975 XI 14 to 1990 from 1993 IV.
Las Mesas	Puerto Rico	LSP2	18 08 45N	66 58 52W			*Closed*. To 1993 IV.
Las Nubes	Nicaragua	LNB	12 01 58.2N	86 15 11.4W	640		From 1983.
Las Nubes	Guatemala	NBG	14 35 15N	90 20 48W	2200		
Las Ollas	Venezuela	OLLA	10 01 08N	66 48 14W	947		From 1984.
La Souterraine	Limousin, France	LSF	46 15 00N	1 31 46E	430		
Lassiter	Tennessee, USA	DY2	36 19 48.7N	89 21 07.3W	110		*Closed*. From 1969 to 1970.
Lassiter		DY5	*See* Near Lassiter				
Last Change Ra.	California, USA	LCH	37 14 05N	117 38 50W	1455		Last Change Range.
Las Vegas	Nevada, USA	LVN	36 06 33N	115 08 24W	610		*Closed*. From 1960 to 1970.
Las Vegas	Nevada, USA	LVW	36 10 12N	115 11 15W	654		*Closed*.
La Tortuga	Venezuela	TORT	10 54 30.2N	65 18 50.0W	40		*Closed*. From 1984.
Latouche	Alaska and Aleutians, USA	LTI	60 02 25.8N	147 51 15.0W	302		From 1988 VII 01.
Latrobe	California, USA	ALAM	38 34 00.0N	120 57 22.2W	293		MNLO code ALA.
La Unión	Guerrero, México	UON	17 58 12N	101 48 54W			
Lau Rambong	Sumatera, Indonesia	LARI	2 53 08N	98 09 26E	820		
Laurance Lake	Oregon, USA	VLL	45 27 48N	121 40 45W	1195		From 1980 X.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Laurel	Mississippi, USA	LL−	31 43 17N	89 21 21W	91		*Closed*. From 1966 XI 14 to 1966 XII 03.
Laurel Creek	California, USA	LRCG	37 35 08.4N	118 54 31.8W	2780		From 1984 VII.
L'Aution	Provence-Côte d'Azur, France	AUTN	43 59 43.8N	7 25 39.0E	2065		
La Victoria	Guatemala	LVG	14 57 58.2N	91 05 42.0W	2020		*Closed*. From 1978 VI.
La Villita	Guerrero, México	LVGX	18 02 42N	102 10 30W			
Lawrence	Kansas, USA	LAK	39 02 46.8N	95 12 16.2W	326		From 1977 VIII 14.
Lawrence	Kansas, USA	LAW	38 57 34N	95 15 00W	260		From 1909 to 1933 from 1952.
La Yayitas	Dominican Republic	DR11	18 28 19N	70 14 04.5W	750		
Lázaro Cárdenas	Michoacan, México	LAZM	18 02 09.6N	102 12 18.0W			
Lead	South Dakota, USA	LEA	44 20N	103 49W			*Closed*.
Lead Mountain	California, USA	LED	34 28 03.6N	115 56 11.4W	853		From 1974 IV.
Leadville	Nevada, USA	LDV	41 05 51N	119 23 26W	1798		*Closed*. From 1974 III to 1976 V.
Leaning Rock	South Island, New Zealand	LRCZ	45 03 55S	169 20 46E	1533		From 1986 XII.
Lebanon	New Hampshire, USA	LB−	43 37 15N	72 16 32W	274		*Closed*. From 1962 VI 14 to 1962 VI 28.
Lecce	Italy	LCI	40 20 02N	18 06 44E	49		
Leeds	Utah, USA	LDS	37 14 33.0N	113 21 05.0W	1102		*Closed*.
Leeds	Utah, USA	LEE	37 14 34.8N	113 22 36.0W	1097		*Closed*. From 1963 IV.
Leeds Univ.	England, UK	LDU	53 48 09.0N	1 33 19.1W	230		Leeds University. From 1983.
Lefka	Cyprus	LEF	35 07 09.6N	32 53 25.2E	130		From 1998 I 14.
Lefkoşe	Cyprus	LFK	35 16 45.1N	33 31 57.0E	690		From 1987 I 01.
Legaspi	Luzon, Philippines	LEG	13 08N	123 44E	19		To 1971 VII.
Legaspi	Luzon, Philippines	LGP	13 09 22.2N	123 44 01.8E	19		From 1975 X.
Leghorn	Italy	LIV	43 32N	10 18E			*Closed*. Livorno.
Legon	Ghana	LEGH	5 38 54N	0 10 53W	91		
Legon	Ghana	LGG	5 38 54N	0 11 48W	137		*Closed*. Replaced by LEGH. From 1976 XI to 1986.
		LGG					
Leibel Peak	California, USA	WLPM	35 30 27.6N	118 24 31.2W	2265		MNLO code WLP.
Leipzig		CLL	*See* Collm				
Leipzig	Sachsen, Germany	LEI	51 20 06N	12 23 30E	113		*Closed*. To 1934.
Lekhapani	Assam, India	LKP	27 20N	96 04E			Name corrected Feb 1998.
Le Mans	Pays de la Loire, France	LMF	48 00N	0 12E	77		*Closed*.
Le Marinel	Zaïre	LMA	10 18S	25 24E			
Lembang	Jawa, Indonesia	LEM	6 49 34.8S	107 37 03.0E	1252	WWSSN	From 1954.
Lemberg, Lwow		LVV	*See* L'vov				
Lemhi Junction	Idaho, USA	LJI	43 49 15N	112 50 38.4W	1600		Correction to position Jun 1991. From 1990 V 15.
Lemitar	New Mexico, USA	LENM	34 09 55.8N	106 58 27.0W	1698		
Lemonthyme	Tasmania, Australia	LMT	41 36 36S	146 09 07E	349		*Closed*. From 1969 IX 25 to 1971 VIII 06.
Lenacharsk		LNC	*See* Lunacharskoye				
Leninakan	Armeniya, CIS	LEN	40 46N	43 51E	1522		
Leningrad		LNN	*See* St Petersburg				
Lenkoran'	Azerbaydzhan, CIS	LNK	38 46N	48 50E			
Lennox	Tennessee, USA	LTN	36 03 46.8N	89 29 42.0W			*Closed*. From 1977 VIII to 1992.
Lenox	Massachusetts, USA	LNX	42 20 20.0N	73 16 20.6W	345		*Closed*. To 1999 I.
Leoben	Austria	LTA	47 24 12N	15 04 34E	840		
Leola	Alabama, USA	LAL	34 26 12.0N	87 20 13.8W	320		From 1989 III 28.
León	Jalisco, México	LNM	21 07 00N	101 40 03W	1800		
Leonard	Oklahoma, USA	LNO	35 54 45.0N	95 47 21.1W	−487		From 1988 XII 07.
Leonard	Oklahoma, USA	LNO2	35 54 45.0N	95 47 21.1W	−171		From 1992.
Leonard	Oklahoma, USA	LNO3	35 54 45.0N	95 47 21.1W	257		From 1992.
Leona Valley	California, USA	LEOC	34 37 52.8N	118 18 13.2W	1073		
León Cerro G.	Guanajuato, México	LCG	21 08 42N	101 43 30W	2200		León Cerro Gordo. From 1968 III.
Leoncito	San Juan, Argentina	LEO	31 47 59S	69 20 07W	2400		
Leoncito	San Juan, Argentina	RTLS	31 47 56.0S	69 17 49.0W	2250		Coordinates corrected Nov 1997.
Léopoldville		BIN	*See* Binsa				
Le Parnasse	Guadeloupe	PAG	16 01 46.8N	61 40 48.0W	670		From 1950.
Lepaterique	Honduras	LTH	14 04 15N	87 20 45W			From 1990.
le Pertre	Bretagne, France	LPF	48 01 53.5N	1 02 27.0W	156		
Le Peyrat	Midi-Pyrénées, France	LPEF	42 56 54.6N	1 54 27.6E	440		From 1998 X 20.
Le Pouchou	Midi-Pyrénées, France	LPO	44 40 59N	1 11 13E	330		
Lerchenberg	Baden-Württemberg, Germany	LBG	48 39 58.2N	8 47 41.4E	600		
Lereşti	Romania	LRR	45 26 25N	25 04 30E	700		From 1989 I 01.
Lerida	New South Wales, Australia	LER	34 56 04S	149 21 51E	700		From 1970.
Le Roux Dam	Orange Free State, South Africa	PKR	30 00 12S	24 44 30E	1267		*Closed*. P.K. Le Roux Dam.
		PKR					
Lerwick	Shetland Islands, UK	LRW	60 08 09.6N	1 10 40.4W	100		From 1978.
Lesbos, Lésvos, Saint Paraskevi		PRK	*See* Paraskevi				
Les Buteaux	Bourgogne, France	LBF	46 59 04N	3 58 38E	715		
Lescure	Midi-Pyrénées, France	LESF	43 01 52N	1 17 02E	460		*Closed*.
Les Eyzies	Aquitaine, France	NE09	44 51 07.2N	0 58 51.6E	160		*Closed*. From 1982 XI to 1986 II.
Leskovik	Albania	LSK	40 09 00N	20 36 00E	780		From 1985 I.
Lesozavodsk	Sakhalinskaya Obl., RF, CIS	LES	44 46N	147 11E			*Closed*. Lesuzavodsk.
Lesparou	Midi-Pyrénées, France	LSPF	42 56 53N	1 54 15E	450		*Closed*. To 1998 X 20.
Les Platons	Channel Islands, UK	JLP	49 14 34.1N	2 06 14.0W	131		From 1981.
Les Réjaudoux	Limousin, France	RJF	45 18 16N	1 30 59E	410		*NE18* NE18. From 1975 X.
Levan	Utah, USA	LEVU	39 30 24.6N	111 48 49.8W	2016		From 1992 I.
Levan Peak	Utah, USA	LVU	39 29 30N	111 49 36W	2530		From 1978 I.
Levy	Alaska and Aleutians, USA	LVY	64 13 00N	149 15 12W	230		From 1972 VII.
Lewisburg	Tennessee, USA	LE−	35 38 05N	86 46 02W	213		*Closed*. From 1962 X 17 to 1962 X 27.
Lewis Clark Cav.	Montana, USA	LCCM	45 50 15.6N	111 52 41.4W	1669		Lewis and Clark Caverns. From 1983 III.
Lewis Ranch	California, USA	BLRM	36 39 57.6N	121 16 21.7W	232		From 1973 II 15.
Lewistown	Pennsylvania, USA	LT−	40 20 21N	78 04 00W	396		*Closed*. From 1962 XI 08 to 1962 XII 12.
Lexington	Kentucky, USA	LEK	38 02 10N	84 30 18W	299		*Closed*. From 1974 X 01 to 1976 V.
Lexington	Virginia, USA	LEX	37 47 22N	79 26 30W	311		*Closed*. From 1971 V to 1977.
Lexington Res.	California, USA	LXR	37 12 06.5N	121 59 10.3W	244		*JLXM* Lexington Reservoir. From 1975 II 04.
Lhasa	Xizang Zizhiqu (Tibet), China	LHA	29 38 12N	91 02 12E	3658		*Closed*. La−sa.
Lhasa	Xizang Zizhiqu (Tibet), China	LSA	29 42N	91 09E	3789		La−sa.
Lhers	Aquitaine, France	LHE	42 54 46.8N	0 37 16.8W	1070		
Liang−chou		LCC	*See* Lanzhou				
Liard River	British Columbia, Canada	LR9	59 26 54N	126 10 30W	610		
Libby Dam	Montana, USA	LDM	48 27 14N	115 19 02W	838		From 1970 II 22.
Liberty	Nevada, USA	LI−	38 18 22N	117 17 30W	1829		*Closed*.
Liberty Hill	South Carolina, USA	LHS	34 28 45N	80 48 30W	120		From 1974 V 20.
Lichensteins Rd	North Island, New Zealand	LIRZ	38 00 18S	176 23 03E	340		Lichensteins Road. From 1992 VI 15.
Liddieville	Louisiana, USA	LV−	32 08 10N	91 52 30W	15		*Closed*. From 1963 VI 28 to 1964 I 30.
Lignon Hill	Luzon, Philippines	VLH	13 09 40N	123 43 30E			From 1993.
Lihir Island	New Ireland	LHIS	3 07 01.2S	152 37 58.8E	10		From 1987 VI 22.
Lijar	Spain	LIJA	36 53 54N	5 24 42W	970		From 1987 XI.
Lilico Spur	South Island, New Zealand	LSCZ	45 06 59S	169 22 09E	759		*Closed*. From 1986 XII to 1996 IV.
Lille	Nord-Pas-de-Calais, France	LIL	50 36 57N	3 04 15E	13		*Closed*.
Lillehammer	Norway	LHN	61 02 57N	10 52 48E	555		*Closed*. Replaces Oslo. From 1965 IV 01.
Lille Linde	Denmark	LLD	55 19 59.2N	12 12 54.0E	8		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Lillooet	British Columbia, Canada	LLL	50 41 42N	121 55 00W			*Closed*. Lilloet. From 1959 I to 1960 II 01.
Lillooet	British Columbia, Canada	LLLB	50 36 32.4N	121 52 53.4W	700		
Lima	Peru	LIM	11 58 30S	77 02 05W	127		
Lima (Magdalena)	Peru	LM2	12 04 06S	77 01 57W	127		*Closed*. To 1984 III 03.
Lima (NY)	New York, USA	LILH	42 55 16.8N	77 37 01.8W	233		
Limay	Nicaragua	LIY	13 11 54.0N	86 33 36.6W	460		From 1975.
Limburg	Baden-Württemberg, Germany	LIBD	48 09 01.5N	7 36 08.2E	200		
Lime	Oregon, USA	LIME	44 25 59N	117 14 52W	1500		From 1990 IV.
Limekiln Ridge	Montana, USA	LRM	45 49 19.8N	112 27 03.6W	2326		From 1981 X 10.
Límnos	Greece	LOS	39 56 03N	25 04 53E	460		From 1996 IX 28.
Límnos Island	Greece	LIA	39 53 53N	25 10 59E	60		From 1997.
Limòn	Costa Rica	LIO	10 00 18N	83 02 06W	62		
Limón Verde	Antofagasta, Chile	LVC	22 36 46.1S	68 54 40.7W	2165		
Lincoln	California, USA	ALNM	38 55 46.9N	121 17 16.1W	54		From 1976 XII 02.
Lincoln	Nebraska, USA	LCN	40 48 42N	96 42 07W	352		
Lincoln	Nebraska, USA	LIN	40 50 18N	96 39 12W	366		*Closed*.
Lincoln School	California, USA	LOC	38 09 09N	122 42 45W	120		From 1970 VIII 14.
Lincton Mountain	Oregon, USA	LNOR	45 52 15.8N	118 17 06W	768		From 1986 VIII.
Linda	Missouri, USA	LDMO	36 24 39.6N	89 33 46.8W	86		From 1980 VII 19.
Linfen	Shanxi (Shansi), China	LNF	36 05 48N	111 31 06E			Lin−fen.
Lin−fen		LNF	*See* Linfen				
Linth−Limmern	Switzerland	LLS	46 50 56.4N	9 00 32.4E	1900		From 1975.
Lipari	Sicily, Italy	LLI	38 26 42N	14 56 53E	225		
Lipari	Italy	LPI	38 29 22N	14 56 00E	594		From 1987 XII 11.
Lipkovo	Macedonia	LIP	42 09 45N	21 35 00E	483		From 1969 I.
Lisbon	New Hampshire, USA	LBNH	44 14 24.4N	71 55 33.2W	367		From 1993 VIII 14.
Lisbon	Portugal	LIS	38 42 59.4N	9 08 56.7W	77		Lisboa.
Lisbon (USA)	New Hampshire, USA	LS−	44 14 18N	71 55 21W	287		*Closed*. From 1963 IX 27 to 1965 III 22.
Lith		LITH	*See* Al Lith				
Litókhoron	Greece	LIT	40 06 03N	22 29 24E	480		From 1981 I 01.
Little America	King Edward VII Land, Antarctica	LAA LAA	78 12S	162 15W			*Closed*.
Little Aspen B.	Oregon, USA	LAB	42 16 03N	122 03 49W	1774		Little Aspen Butte. From 1993 X 07.
Little Butte	Montana, USA	LBM	46 30 53.7N	111 51 13.4W	1524		*Closed*. From 1974 X 09 to 1976 X 04.
Little Chuckwalla	California, USA	LTC	33 29 20.4N	115 04 12.0W	458		Little Chuckwalla Mountains.
Little Green Mt.	Idaho, USA	LGM	46 43 58.8N	116 05 34.8W	1455		*Closed*. From 1971 X to 1974 VII 25.
Little Hoodo Mt.	Montana, USA	LHD	48 15 27.9N	115 33 30.3W	1134		
Little Horse	California, USA	WLHM	36 09 08.4N	118 18 42.0W	2676		
Little Huntoon	Nevada, USA	LHV	38 15 04.2N	118 30 16.2W			Little Huntoon Valley.
Little Lost River	Idaho, USA	LLRI LLRI	43 43 22.8N	112 55 58.8W	1471		Correction to position Aug 1991. From 1990 VI 06.
Little Maria Mts	California, USA	LTM	33 54 54N	114 55 06W	744		From 1974 IV.
Little Mountain	Tennessee, USA	LMTN	35 53 12.6N	83 24 35.4W	610		*Closed*. From 1984 III 16 to 1991 IX 08.
Little Mountain	Utah, USA	LTU	41 35 30N	112 14 50W	1585		From 1974 IX.
Little Mt Hoffman	California, USA	LMHM	41 34 44.4N	121 39 26.4W	2228		From 1979 VII 12.
Little Rabbit V.	California, USA	LRV	36 25 27.6N	121 01 04.8W	555		*BRVM* Little Rabbit Valley. From 1969 XI 26.
Little Raleigh	North Carolina, USA	RNC	35 37 54.5N	78 58 49.1W			
Little Rock	Arkansas, USA	LRA	34 46 42N	92 21 06W	150		*Closed*. From 1931 II 02 to 1967 VII 27.
Littlerook Res.	California, USA	LRRC LRRC	34 31 33.6N	118 01 39.7W			Littlerook Reservoir, PAS code LRR. From 1976 V.
Little Sitkin I.	Alaska and Aleutians, USA	LSI	51 55 10.8N	178 32 01.8E			*Closed*. From 1970 X 20 to 1972 VI 30.
Little Skull Mt.	Nevada, USA	LSM	36 44 24N	116 16 22W	1140		From 1971 VII 20 to 1979 II 19 from 1979 XII 13.
Little Skull Mt.	Nevada, USA	LSN LSN	36 45 13N	116 15 34W	1070		*Closed*. Replacement for LSM while out of operation.
Little Table Mt.	Montana, USA	LTMT	44 31 33N	112 06 36W	2603		From 1989 IX 14.
Livermore	California, USA	LVM					*Closed*.
Liverpool	England, UK	LVR	53 25N	2 56W	60		*Closed*.
Livorno		LIV	*See* Leghorn				
Ljótipollur	Iceland	LJO	64 01 24.6N	19 01 22.8W			
Ljubljana	Slovenia	LJU	46 02 36N	14 32 00E	396		Laibach.
Llanada	California, USA	LLA	36 37 00N	120 56 36W	475		From 1961.
Llanberis	Wales, UK	YLL	53 08 24.7N	4 10 13.4W	162		From 1984.
Llano el Hato		EHV	*See* El Hato				
Llanuwychllyn	Wales, UK	LLW	52 50 57N	3 39 54W	213		
Llyn Conwy	Wales, UK	WLC	52 59 44.2N	3 46 43.7W	440		From 1985.
Lmgc	Cuba	LMGC	20 03 50.4N	77 00 18.0W			
Lobatse	Botswana	LBTB	25 00 52.2S	25 35 49.2E	1028		From 1993.
Lock 6	Kentucky, USA	L6KY	37 55 33.6N	84 49 12.0W			
Lock 6	Kentucky, USA	LGKY	37 55 33.6N	84 49 12W	128		*Closed*. From 1983 XI 01 to 1988 IV 13.
Lockhart	Kentucky, USA	LOKY	37 14 13.2N	88 17 42.0W	230		From 1992 XII 01.
Lockwood Valley	California, USA	LOK	34 43 28.2N	119 05 28.8W	1570		
Lodge	Alabama, USA	LDG	33 17 25.8N	87 32 06.0W	95		
Loei	Thailand	LOE	17 24 22.8N	101 43 47.4E	259		From 1984 VIII.
Lofoten	Norway	LOF	68 07 51.6N	13 32 31.2E	80		From 1987 I.
Logan	Utah, USA	LOG	41 44 30N	111 48 48W	1455		*Closed*.
Log Cabin	Alabama, USA	LCA	33 18 24N	87 28 06W	132		From 1971 I 09.
Logie Almond	Scotland, UK	ELO	56 28 14N	3 42 43W	495		From 1969.
Logroño	Spain	LGR	42 27 28.0N	2 30 11.7W	446		*Closed*. From 1963 to 1989 XI.
Løgumkloster	Denmark	NE03	55 02 42.0N	9 09 10.8E	25		From 1983 II.
Loja	Spain	ALOJ	37 06 32.4N	4 06 18.0W	1340		
Lokris	Greece	LKR	38 39 02N	22 59 58E	180		From 1997.
Loma Carmona	Dominican Republic	SACA	18 58 39.0N	69 40 49.2W			From 1986 VII 12.
Loma El Jobobán	Dominican Republic	MAVI	19 14 44.4N	69 54 42.0W			From 1986 IX 07.
Loma La Naviza	Dominican Republic	DR08 DR08	18 57 28.8N	70 01 50.4W			*DR8* Dominican Network. Changed name Mar 1990.
Loma Yerba B.	Dominican Republic	DR12 DR12	18 47 15.0N	69 22 52.2W			Loma Yerba Buena. Dominican Network. Changed name Mar 1990.
Lomé	Togo	LOM	6 07 18N	1 12 48E	5		
Lomita	California, USA	LOMS	33 47 42.6N	118 16 45.6W	−173		From 1989 XII 20.
Lomont	Franche Comté, France	LOMF	47 21 03N	6 49 39E	1000		Lomont du Chamesol.
Lompoc	California, USA	BLP	34 33 37.2N	120 24 01.8W	134		From 1969 XI.
London (Ont)	Ontario, Canada	LDN	43 02 24N	81 11 00W	246		From 1975 VI.
London (Ont)	Ontario, Canada	LND	43 02 27.6N	81 10 58.8W	246		*Closed*. From 1961 XII 07 to 1967 V 31.
Lone Oak Road	California, USA	LRC	36 14 47.4N	121 02 33.0W	308		*PLOM* From 1970 VIII 14.
Lone Pine	California, USA	LN9	36 35 40N	118 11 05W	500		
Lone Star	Missouri, USA	LST	36 31 22.8N	89 43 51.6W	83		
Lone Tree Road	California, USA	LTR	36 53 04.2N	121 18 29.4W	183		*HLTM* From 1970 VIII 17.
Long Hollow	Wyoming, USA	LOHW	43 36 44.7N	110 36 13.5W	2121		From 1986 I.
Longido		ARTT	*See* Arusha				
Longmire	Washington, USA	LON	46 45 00N	121 48 36W	854	WWSSN	From 1958 III 12.
Longovilo	Valparaíso, Chile	LNV	33 57 20S	71 24 39W			From 1972.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Longridge	England, UK	LLO	53 51 01.1N	2 33 35.3W	247		*Closed*. From 1989 to 1991 X 14.
Long Valley	Arizona, USA	LG−	34 24 28N	111 32 45W	1768		*Closed*. From 1964 IV 02 to 1965 X 04.
Long Valley	New Jersey, USA	LVNJ	40 48 34.2N	74 45 54.0W	201		From 1977 VI 08.
Lonorore	Vanuatu (New Hebrides)	LNR	15 51 07S	168 09 36E	8		
Lookout Mt.	Georgia, USA	LKGA	34 37 24.0N	85 28 19.8W	655		From 1985 XII 05.
Lookout Mt.	California, USA	LMCR	37 43 41.9N	118 56 42.7W	2530		REN code LMC. From 1979 XI.
Lookout Mt. Obs.	California, USA	LMO	34 06 31N	118 23 16W	392		*Closed*. From 1971 II 12 to 1973 VI 30.
Lookout Mt. Obs.	California, USA	LMS	34 04 09N	118 26 25W	131		
Lookout Peak	Nevada, USA	LOP	36 51 15N	116 10 03W	1695		From 1979 I 23.
Look Rock	Tennessee, USA	LRKT	35 38 02.4N	83 55 26.4W	780		From 1983 X 25.
Lorado	Arkansas, USA	LRDO	35 58 09.0N	90 41 43.2W	137		From 1988 XII.
Lorgues	Provence-Côte d'Azur, France	LRG	43 27 17N	6 21 37E	110		
Lormes	Bourgogne, France	LOR	47 16 06N	3 51 32E	520	WWSSN	Sommée−Lormes.
Los Alamitos	California, USA	LNAS	33 47 21.0N	118 03 16.2W	−50		From 1972 V.
Los Alamos	New Mexico, USA	LOA	35 49 28.9N	106 17 39.8W	2144		*Closed*. From 1972 I 12.
Los Angeles	Baja California, México	LAX	28 56 48N	113 34 00W	50		Bahía los Angeles. From 1971 XII 31.
Los Cerritos	California, USA	LCL	33 50 00N	118 11 33W	8		Rancho Los Cerritos.
Los Pinos Mt.	New Mexico, USA	LPM	34 18 42.0N	106 37 54.6W	1737		Correction to coordinates Aug 1993. From 1976 I.
Los Queltehues	Santiago, Chile	LQT	33 44 53S	70 12 43W	1400		From 1976 VI 26.
Los Roques	Venezuela	LORO	11 57 28N	66 40 27W	20		From 1984.
Los Tablones	Guatemala	LTG	14 57 45.0N	90 09 19.2W	928		*Closed*. From 1978 VI.
Los Trancos	California, USA	LTW	37 21 13.2N	122 12 15.0W	270		*JLTM* Los Trancos Woods. From 1966 XII 15.
Los Trancos 1		SEC	*See* Stevens Creek				
Los Trancos 2		SJH	*See* St Joseph				
Los Trancos 3		LT3	*See* Portola Park				
Los Trancos 4		SFT	*See* Stanford				
Los Trancos 5		LT5	*See* La Honda				
Los Trancos 6		WDS	*See* Woodside				
Los Trancos 7		MOB	*See* Menlo Park				
Los Trancos 8		CYH	*See* Coyote Hills				
Los Trancos 9		LT9	*See* San Andreas L.				
Lost Valley Res.	Idaho, USA	LVRI	44 56 41N	116 27 08W	1700		Lost Valley Reservoir. From 1991 VIII.
Losuia	D'Entrecasteaux Islands	LOSU	8 30 43S	151 04 26E	10		From 1983 XII 08.
Lotru	Romania	LOT	45 26 53N	23 46 10E	1240		
Loubilhac	Auvergne, France	LBL	45 13 57N	3 14 49E	950		
Louis Bay	Alaska and Aleutians, USA	LOU	60 27 55.8N	147 38 39.6W	490		
Louis Trichardt	Cape Province, South Africa	LTT	29 43 24S	23 00 54E	1006		*Closed*.
Loup City	Nebraska, USA	LCNC	41 18 30.0N	98 56 19.3W	671		
Lourenço M.	Mozambique	LMM	25 58 07S	32 35 39E	55		Lourenço Marques.
Lovejoy Buttes	California, USA	LJB	34 35 28.2N	117 50 52.8W	899		From 1977 XII.
Lovelock	Nevada, USA	LO−	39 56 07N	118 50 22W	1280		*Closed*. From 1963 II 23 to 1963 III 29.
Lovelock	Nevada, USA	LVK	40 11 13.2N	118 31 28.2W	1225		*Closed*. From 1969 XI 05 to 1975 XI.
Lovozero	Karel'skaya ASSR, RF, CIS	LVZ	67 53 52.4N	34 39 05.0E	630		
Lower Browns	Utah, USA	LBUT	41 18 34.8N	111 43 54.0W	1768		Lower Browns Hole. From 1978 VI to 1981 V.
Lower Mag Wash	Utah, USA	LWA	38 29 25N	112 51 38W	1817		
Loyola		NOL	*See* New Orleans				
Luanda	Angola	LUA	8 30S	13 14E	69		*Closed*.
Lubbock	Texas, USA	LUB	33 35N	101 52W	979	WWSSN	From 1948 VI.
Lubrecht Forest	Montana, USA	LFM	46 53 23.4N	113 27 09.8W	1256		*Closed*. From 1974 VIII 02 to 1976 X 04.
Lubudi	Zaïre	LBC	9 54S	25 59E	1375		*Closed*. Closed before 1977. From 1966 XII.
Lucedale	Mississippi, USA	LD−	30 57N	88 53W	70		*Closed*. From 1966 XI 13 to 1966 XII 03.
Lucky Star	Utah, USA	LSUT	41 41 05.4N	111 33 27.0W	2225		From 1979 XI.
Lucq−de−Béarn	Aquitaine, France	LDBL	43 19 08N	0 36 50W	250		
Lüda	Liaoning, China	DAI	38 54N	121 38E	97		*Closed*. Talien Dairen.
Luganville	Vanuatu (New Hebrides)	LUG	15 31 04S	167 07 48E	150		
Lunacharskoye	Uzbekistan, CIS	LNC	41 20N	69 21E			*Closed*. Lenacharsk.
Lund	Sweden	LUN	55 41 54N	13 11 12E	32		*Closed*.
Luning	Nevada, USA	LNG	38 36 54.0N	118 12 34.8W			*Closed*.
Luque	Spain	ELUQ	37 33 37.8N	4 16 00.4W	703		From 1992 I 23.
Lusaka	Zambia	LSZ	15 16 35.9S	28 11 17.6E	1185		From 1984.
Lusaka	Zambia	LUS	15 23 01.2S	28 19 52.2E	1259		*Closed*. Closed before 1977. From 1971.
Lussari	Italy	LSR	46 28 33N	13 31 40E	1750		From 1988 I 01.
Lutao	Taiwan, China	TWH	22 42 37.2N	121 28 38.2E	50		From 1974 IX 17.
Luxembourg	Luxembourg	LUX	49 36N	6 08E			*Closed*.
L'vov	Ukraina, CIS	LVV	49 49N	24 02E	308		Lemberg, Lwow L'wow, Lemberg.
Lwiro	Zaïre	LWI	2 14 18S	28 48 00E	1748		From 1953 to 1967 IX 26 from 1968 IV 19.
Lyangar	Tadzhikistan, CIS	LNA	38 12N	69 12E			Location uncertain.
Lyman	Washington, USA	LYW	48 32 07.2N	122 06 06.0W	107		From 1975 IV 16.
Lyon Mountain	Montana, USA	LYMT	46 58 12.0N	112 17 22.2W	2237		From 1996 VIII 31.
Lyons Estate	Ireland	DLE	53 17 14N	6 32 37W	140		*Closed*. Replaced by DLF. From 1980 IV 25 to 1990.
		DLE					
Lyons Farm	Ireland	DLF	53 17 45N	6 31 53W	96		Replaces DLE. From 1990 VIII.
Lytham St Annes	England, UK	LLY	53 47 51N	2 54 25W	33		From 1989.
M12	Hawaii, Hawaiian Islands	M12	19 23 41.4N	155 18 27.0W	1116		*Closed*. From 1972 XII to 1973 II.
Ma'ale Noah	Israel	NOH	30 41 20.4N	34 57 43.2E	680		*Closed*. Correction of position Mar 1991.
Maars	Alaska and Aleutians, USA	MRS	57 51 24N	156 29 22W	131		From 1977 V 20.
Macagua	Venezuela	GMC	8 18 00.0N	62 40 59.9W			
McCloud Flat S	California, USA	MFS	36 07 01.8N	117 51 18.0W	1524		*MFSM* From 1975 IX 25.
McComb	Mississippi, USA	MB−	31 20 34N	90 17 11W	122		*Closed*. From 1966 XI 15 to 1966 XII 06.
McCrory	Arkansas, USA	MY−	35 21 04N	91 04 47W	61		*Closed*. From 1962 VII 16 to 1962 VIII 03.
McDonald Obs.	Texas, USA	MOT	30 40 46.8N	104 00 29.4W	2020		From 1975 VIII.
McDonald Obs.	Texas, USA	MOT1	30 55 44.4N	104 23 27.0W	1715		
McDonald Obs.	Texas, USA	MOT2	30 53 56.4N	105 04 48.0W	2088		
McDonald Obs.	Texas, USA	MOT3	30 32 31.0N	104 39 27.2W	1481		
McDonald Obs.	Texas, USA	MOT4	30 16 22.8N	104 34 12.0W	1469		
Machtesh Katan	Israel	MKT	30 56 52.8N	35 09 07.2E	520		From 1983.
Mackay Peak	Idaho, USA	MCPI	43 54 01.2N	113 42 16.2W	2902		From 1983 XI.
McKendrick Lake	New Brunswick, Canada	KLN	46 50 36.0N	66 22 18.1W	411		
McKenzie Canyon	Montana, USA	MCMT	44 49 39.6N	112 50 55.8W	2323		From 1989 IX 14.
McKinley	Alaska and Aleutians, USA	MCK	63 43 56.4N	148 56 06W	610		From 1964 XII.
McLaughlin	California, USA	GMCM	38 47 33.7N	123 07 48.0W	439		McLaughlin Ranch. From 1975 V 07.
McMillan Canyon	California, USA	PMCM	35 43 28.8N	120 22 13.8W	488		
McMinnville		CPO	*See* Cumberland Plat.				
McMinnville	Tennessee, USA	MM−	35 33 52N	85 35 20W	381		*Closed*. From 1961 XII 17 to 1963 IV 01.
McMurdo Sound	Victoria Land, Antarctica	MCM	77 50S	166 36E	25		*Closed*.
McNeil Island	Washington, USA	MEW	47 12 07N	122 38 45W	98		From 1985 III.
McNeil River	Alaska and Aleutians, USA	MCL	59 06 09.6N	154 11 58.4W	273		*Closed*. From 1975 to 1981 VIII 16.
McNeil River	Alaska and Aleutians, USA	MCNL	59 11 06.6N	154 20 12.0W	442		From 1981 VIII 22.
McPhails Peak	California, USA	BMCM	36 39 24.1N	121 21 54.7W	1022		From 1975 I 26.
Macquarie Island	Macquarie Islands, Australia	MCQ	54 29 55S	158 57 22E	14		From 1950 VI.
Macquarie Island	Macquarie Islands, Australia	MQI	54 31 12S	158 55 48E	250		*Closed*.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
McQueen's Valley	South Island, New Zealand	MQZ	43 42 28.2S	172 39 07.8E	60		From 1990 III.
Mactan	Cebu, Philippines	MAP	10 19 23N	123 58 52E	137		From 1980 I 22.
Madang	Papua New Guinea	MAD	5 14S	145 48E			*Closed*.
Madang	Papua New Guinea	MDG MDG	5 15 00.4S	145 46 48.6E	27		Correction to coordinates Dec 1992. From 1974 XII.
Madeleine	Aquitaine, France	MADF	43 08 44.4N	0 49 10.2W	535		
Madison	Wisconsin, USA	MDS	43 22 20N	89 45 36W	278	WWSSN	*Closed*. From 1962 I 16 to 1968 VI 10.
Madison Junction	Wyoming, USA	MJW	44 38 54.0N	110 51 31.2W	2111		*Closed*. From 1964.
Madison River	Wyoming, USA	YMR	44 40 07.2N	110 57 54.0W	2149		
Madras	Tamil Nadu, India	MDR	13 00N	80 11E	15		
Madrid	Spain	MDD	40 24N	3 41W			*Closed*.
Madsous	Saudi Arabia	MADS	29 06 29N	35 04 23E	645		From 1993 IX.
Maebashi	Gumma, Honshū, Japan	MAE	36 24 06N	139 03 54E	112		To 1989III 25.
Maebashi 2	Gumma, Honshū, Japan	MAEJ	36 32 15.6N	139 10 46.2E	1665		From 1989III 25.
Magadan	Magadanskaya Obl., RF, CIS	MA2	59 34 31.1N	150 46 04.1E	339		
Magadan	Magadanskaya Obl., RF, CIS	MAG	59 36N	150 48E	80		
Magadan 1	Magadanskaya Obl., RF, CIS	MGD	60 06N	150 42E	220		
Magadi	Kenya	MAGK	1 55 05.1S	36 17 14.1E	660		From 1994 II.
Magalia	California, USA	MGL	39 48 42N	121 33 27W	1010		From 1966 VI.
Magdalena	Ecuador	MAGD	0 04 06.6S	79 46 25.8W	340		
Magdalena	Guatemala	MMG	14 32 16.8N	90 40 53.4W	2190		Magdalena Milpas Altas. From 1975 III.
Mageik LS	Alaska and Aleutians, USA	MGLS	58 12 38.4N	155 19 33.6W			From 1996 VIII.
Magodro	Fiji	MGO	17 47 33S	177 44 24E	726		From 1983 IX.
Magruder Mt.	Nevada, USA	MGM	37 26 28N	117 29 47W	2100		
Maguayo	Puerto Rico	MGP	18 00 27.3N	67 05 20.9W			From 1975 XI 14.
Mag Wash	Utah, USA	MWA	38 29 53N	112 50 49W	1878		
Mahableshwar	Maharashtra, India	MAH	17 53 24N	73 39 00E	1382		*Closed*.
Mahé Island	Seychelles	MSEY	4 40 25.3S	55 28 45.1E	475		Coordinates corrected Sept 1998.
Mahia	North Island, New Zealand	MAHZ	39 11 18S	177 52 51E	336		*Closed*. From 1987 III.
Mahoenui	North Island, New Zealand	MOZ	38 30 21.0S	174 48 10.8E	160		From 1990 IV 26.
Mahukona	Hawaii, Hawaiian Islands	MHA	20 11 16N	155 54 11W	5		Correction to coordinates Apr 1992. From 1983.
Maine Technology		EMM	*See* East Machias				
Maison St Louis		JRS	*See* Jersey				
Maizuru	Kyōto, Honshū, Japan	MAI	35 28 18N	135 23 12E	31		*Closed*.
Maizuru	Kyōto, Honshū, Japan	MZH	35 26 54N	135 19 12E	21		
Maizuru 2	Kyōto, Honshū, Japan	MZH2	35 24 06N	135 23 36E	170		From 1994II 24.
Makanchi	Kazakhstan, CIS	MAKZ	46 48 28.8N	81 58 37.2E	600		
Makanchi Array	Kazakhstan, CIS	MKAR	46 46 12N	82 18 00E			Makanchi Array Beam Reference Point.
Makaopuhi	Hawaii, Hawaiian Islands	MKA	19 22 04.2N	155 09 51.0W	881		From 1964 III.
Makara Radio	North Island, New Zealand	MRW	41 13 57S	174 42 18E	235		From 1976 I 26.
Makassar	Sulawesi, Indonesia	MKS	5 13 04.2S	119 28 11.4E	28		Makassar, Ujung Pandang. From 1970 VI 01.
Makawir	Jordan	MKRJ	31 33 07.8N	35 38 27E	815		From 1983 IX.
Makeyevka	Ukraina, CIS	MKY	48 02N	37 59E			*Closed*.
Makhachkala	Dagestanskaya ASSR, RF, CIS	MAK MAK	43 01N	47 26E	10		
Makna	Saudi Arabia	MKNA	28 26 17N	34 52 30E	650		Maqna. From 1993 VII.
Makushin	Alaska and Aleutians, USA	MCIR	53 57 04.8N	166 53 30.6W	800		Makushin Cirque. From 1996 VIII.
Makushin	Alaska and Aleutians, USA	MGOD MGOD	53 47 40.8N	166 52 21.0W	695		Makushin Gods Own Repeater Site. From 1996 VIII.
Makushin	Alaska and Aleutians, USA	MNAT	53 53 01.8N	166 41 00.0W	390		Makushin Nateekin. From 1996 VIII.
Makushin	Alaska and Aleutians, USA	MSOM	53 48 59.4N	166 56 56.4W	50		Makushin Julie Andrews. From 1996 VIII.
Makushin	Alaska and Aleutians, USA	MSW	53 54 52.8N	166 46 57.6W	418		Maskushin Switchbacks. From 1996 VIII.
Makushin	Alaska and Aleutians, USA	MTBL	53 58 09.6N	166 40 42.6W	865		Makushin Table Top. From 1996 VIII.
Malabar	Jawa, Indonesia	MLB	7 13S	107 37E	1550		*Closed*. From 1911 to 1945.
Malad Range	Idaho, USA	MLI	42 01 36.5N	112 07 32.2W	1896		From 1974 X.
Málaga	Spain	MAL	36 43 39N	4 24 40W	60	WWSSN	From 1915.
Málaga−Limonero	Spain	EMAL	36 45 43.2N	4 25 45.0W	80		From 1993 V 20.
Malaspina Glacier	Alaska and Aleutians, USA	MLA	59 45 48N	140 09 00W	46		*MLP*
Malataya	Turkey	MYA	38 19 34N	38 25 31E	1050		
Malatya	Turkey	MLTT	38 21 15N	38 21 42E	1170		
Malden	Missouri, USA	MLD	36 33 31.2N	89 58 11.4W			*Closed*. From 1967 XI to 1969 XI.
Malibu	British Columbia, Canada	MABC	50 09 52.8N	123 51 20.4W	75		From 1991 III 20.
Mălini	Romania	MII	47 27 21N	26 04 29E	400		*Closed*.
Malnas	Romania	MSR	46 02 17N	24 49 17E	640		From 1982 IX 01.
Malo−Kuril'sk	Sakhalinskaya Obl., RF, CIS	MLK*	43 52N	146 49E			
Malta	Malta (and Gozo)	MLT	35 54 00N	14 28 48E	18		From 1982 VII.
Malvaux	Bourgogne, France	MLV	47 15 55.8N	3 02 19.2E			
Malvern	Jamaica	MCJ MCJ	17 55 22.8N	77 41 13.2W	808		Munro College Malvern St Elizabeth. From 1977 II 20.
Mambajao	Mindanao, Philippines	MAM	9 15N	125 36E			*Closed*. From 1917 to 1935.
Mammari	Cyprus	MAMC	35 10 15.6N	33 13 04.8E			
Mammoth Lakes	California, USA	MLAC	37 37 51.6N	118 50 02.4W	2170		Mammoth Lakes Airport.
Mammoth Pass	California, USA	MMPM	37 36 36.0N	119 01 40.8W	2870		From 1983 VIII 26.
Mammoth Spr.	Wyoming, USA	MHS MHS	44 58 37.2N	110 41 07.2W			*Closed*. Mammoth Hot Springs. From 1964 to 1974 X.
Mamou	Guinea	MAMG	10 15 52.2N	11 57 54.0W	773		From 1991 VII.
Manado	Sulawesi, Indonesia	MNI	1 26 34.8N	124 50 22.2E	128		From 1972.
Manam	Egypt	AMAN	23 56 00.0N	32 56 02.4E			
Manamana	Venezuela	MANV	9 47 57.1N	70 47 46.3W			
Manantiales	Mendoza, Argentina	MAA	32 05 02S	69 51 00W			
Manas	Dagestanskaya ASSR, RF, CIS	MNAS MNAS	42 44N	47 41E			
Manawahe	North Island, New Zealand	MARZ	37 59 12S	176 40 28E	480		From 1992 VI 15.
Manchester	Tennessee, USA	MX−	35 33 01N	86 16 12W	305		*Closed*. From 1962 XI 14 to 1962 XII 12.
Mandalay	Myanmar	MND	22 00 56.5N	96 06 53.4E	93		*Closed*. From 1966 X 01.
Mandiavato	Madagascar	MDSM	19 05 06.7S	47 01 50.2E	1511		
Mandileni	Cape Province, South Africa	MDL	30 42 36S	28 48 00E	1320		*Closed*. From 1988 to 1999.
Mangahao	North Island, New Zealand	MNG	40 37 07S	175 28 55E	396		From 1965 XI.
Mangalore	Karnataka (Mysore), India	MNGI	12 52N	74 52E			
Mangatainoka R.	North Island, New Zealand	MRZ	40 39 45S	175 34 45E	320		Mangatainoka River. From 1992 VI.
Mangla	Pakistan	MNL	33 08 50N	73 45 00E	436		New Mirpur.
Manhattan	New York, USA	AMNH	40 46 51.0N	73 58 25.8W			
Manhattan	Kansas, USA	MHK	39 11 14.5N	96 34 45.0W	318		From 1974 XI 19.
Manhattan	Kansas, USA	MHT	39 11 59N	96 34 50W	339		*Closed*.
Manicouagan	Quebec, Canada	MNQ	50 32 00N	68 46 28W	564		From 1974 XI 27.
Manila South	Arkansas, USA	MSAR	35 47 03.0N	90 08 48.7W	69		
Manila (W)	Luzon, Philippines	MAN	14 39 36.0N	121 04 40.8E	70	WWSSN	Diliman Philippine Weather Bureau. From 1949.
Maniwaki	Quebec, Canada	MIQ	46 22N	75 58W	199		*Closed*. From 1974 II 27 to 1981 IV 30.
Manley	Alaska and Aleutians, USA	MLY	65 01 51.0N	150 44 21.6W	804		From 1990 IX 25.
Manoa Valley		HNL	*See* Honolulu (M.)				
Manof	Israel	MNFI	32 51 03.6N	35 14 49.2E	350		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Mansa	Zambia	MZZ	11 08 31.9S	28 52 33.6E	1256		From 1984.
Manteigas	Portugal	MTE	40 24 12N	7 32 12W	815		From 1974 XII 10.
Manton	Northern Territory, Australia	MTN	12 50 48S	131 07 48E	80		From 1972 VI 01.
Manzanillo	Colima, México	MNZ	19 03 15N	104 19 50W	60		Colima.
Manzanita Entr.	California, USA	LMEM	40 32 16.2N	121 34 12.6W	1753		Manzanita Entrance. From 1988 XI 04.
Manzanita Lake	California, USA	LMZM	40 32 39.5N	121 33 51.5W	329		From 1976 XI 12.
Manzanita Lake	California, USA	MLC	40 32 12N	121 33 42W	1800		From 1956 VI.
Maple Canyon	Utah, USA	MPU	40 00 55.8N	111 38 00W	1909		
Maple Creek	Wyoming, USA	YMC	44 45 33.5N	111 00 22.3W	2073		From 1974 X.
Maracay	Venezuela	MARA	10 19 26N	67 36 25W	1200		*Closed*. From 1984.
Marathon	Texas, USA	MTX	30 18 22N	103 15 17W	1372		
Marble Bar	Western Australia, Australia	MBL	21 09 36S	119 50 00E	200		From 1976 VI 23.
Marble Bar	Western Australia, Australia	MBT	21 10 12S	119 44 30E	200		*Closed*. From 1972 X to 1976 VI 23.
Marble Canyon	California, USA	MCA	36 38 53N	117 16 51W	300		From 1979 I 23.
Marcus Island	Marcus Island	MCS	24 17 24N	153 59 18E			*Closed*. From 1966 to 1970.
Ma'reb	Yemen	MARB	15 25 00N	45 20 00E			Ma'rib. From 1994 XI.
Mareth	Tunisia	MART	33 34 36.6N	10 14 58.2E	140		
Marewa	North Island, New Zealand	MRH MRH	39 29 57S	176 53 18E	4		Correction to coordinates Jun 1990. From 1987 III 19.
Marguerite Bay	Antarctic Peninsula, Antarctica	ANC	68 11 40S	67 00 00W	7		*Closed*. Antarctic.
Mariazell	Austria	MZA	47 46 13N	15 19 42E	990		
Maricopa	California, USA	MARC	35 00 09.0N	119 20 21.6W	436		
Marie−Galante	Guadeloupe	MGG	15 55 04.8N	61 19 00.6W	51		
Mariestad	Sweden	MRE	58 37 01.2N	13 44 45.6E			*Closed*. From 1980 I to 1991.
Marion Island	Prince Edward Islands	MIO	46 57 30S	37 54 00E	10		
Mariponipon	Sumatera, Indonesia	MRPI	1 36 45N	99 19 02E	1100		
Markátes	Greece	VMA	38 42 21.0N	23 35 15.5E	468		From 1983 I.
Marked Tree	Arkansas, USA	MK−	35 33 32N	90 15 55W	61		*Closed*.
Market Rasen	England, UK	LMK	53 27 24.8N	0 19 35.7W	130		From 1991.
Mark W Springs	California, USA	MAC	38 33 01.8N	122 43 22.2W	134		*NMWM* From 1970 VIII 14.
Marlboro	Vermont, USA	MARL	42 47 56.4N	72 50 16.2W	580		*Closed*. From 1977 VIII 08 to 1983 II 25.
Marmol	Guatemala	MRL	15 03 57.0N	89 41 28.2W	1460		From 1979 X.
Maron	Jawa, Indonesia	MAJ	7 34S	110 25E			*Closed*.
Marquesado	San Juan, Argentina	RTMQ	31 30 20.4S	68 40 00.0W	798		
Marsad	Jordan	MRSJ	29 41 06N	35 19 19E	810		From 1990 III 15.
Marsa Matruh	Egypt	MMT	31 22 48N	27 16 30E			*Closed*. From 1975 to 1980 XII.
Marseilles	Provence-Côte d'Azur, France	MAR	43 18 19N	5 23 38E	75		*Closed*.
Martimbang	Sumatera, Indonesia	MARI	1 57 37N	98 58 05E	1680		
Martinez I.R.	California, USA	MIRC	33 24 58.2N	116 04 51.6W	91		Martinez Indian Reservation.
Martis Peak	California, USA	MPK	39 17 44.4N	120 01 48.6W	2484		From 1973 IV.
Marumori	Miyagi, Honshū, Japan	JMM	37 51 57.6N	140 47 34.8E	100		
Maruseppu	Abashiri, Hokkaidō, Japan	JMP	44 00 25.2N	143 21 34.8E	460		
Mary	Turkmeniya, CIS	MRY	37 36N	61 52E			*Closed*.
Maryland	Maryland, USA	NLM NLM	39 01 56.6N	76 58 49.9W	114		*Closed*. Naval Ordinance Laboratory. From 1962 to 1972.
Mary's Peak	Oregon, USA	MPOR	44 30 17.4N	123 33 00.6W	1249		From 1990 VIII.
Marysvale	Utah, USA	MSU	38 30 47.9N	112 10 27.1W	2141		From 1975 XI.
Marysvale	Utah, USA	MVU	38 30 13.5N	112 12 44.4W	2239		
Marysville	California, USA	MV− MV−	39 12 47N	121 17 35W	183		*Closed*. From 1961 X 22 to 1964 III 10 from 1966 III 01 to 1966 III 12.
Maryville	Tennessee, USA	MVLT	35 44 02.4N	83 56 31.2W			From 1984 I 29.
Masachapa	Nicaragua	MCH	11 52 28.8N	86 31 43.2W	147		From 1975.
Masada	Israel	MSDA	31 19 12N	35 17 24E	400		
Masada	Israel	MZDA	31 19 12N	35 17 24E	−300		From 1991 V.
Masc	Cuba	MASC	20 10 30.0N	74 13 51.6W			
Mash'abbe Sade	Israel	MASH	31 00N	34 51E	200		
Mashhad	Iran	MHI	36 18 30N	59 28 18E	1150	WWSSN	Meshed, Mashad. From 1975 IX 15.
Mashhad	Iran	MSH	36 18 40N	59 35 16E	987	WWSSN	*Closed*. Meshed. From 1965 IX 17 to 1975 IX 06.
Mashhad (SRO)	Iran	MAIO	36 18 30N	59 28 18E	1150		Meshed, Mashad. From 1975 X.
Mashhad Univ.	Iran	MUI	36 18 42N	59 36 18E	1000		From 1972 I.
Masjed Soleyman	Iran	MSHA	31 54N	49 18E			
Maskali	Djibouti	MKL	11 42 44.4N	43 08 59.4E	5		
Mason Butte	Idaho, USA	MAS	46 37 57.6N	116 21 28.2W	1141		*Closed*. From 1971 X to 1976 I 14.
Massena	New York, USA	MSNY	44 59 54.0N	74 51 43.2W	55		From 1977 II to 1977 IV from 1977 VII 13.
Masset	British Columbia, Canada	MSTB	54 00 12N	132 07 05W	91		From 1987 XII 04.
Masuda	Shimane, Honshū, Japan	JMD	34 37 54N	131 53 36E	260		*Closed*.
Matam	Senegal	MMS	15 37N	13 20W	50		*Closed*.
Mătău	Romania	MTUR	45 13 34N	25 03 47E	1018		From 1988 VIII.
Matka	Macedonia	MYG	41 57 24N	21 18 03E	306		From 1969 I.
Matouba	Guadeloupe	MBG	16 02 53N	61 41 02W	830		
Matsu	Taiwan, China	MTST	26 09N	119 56E	113		
Matsue	Shimane, Honshū, Japan	MTS	35 27 18N	133 04 18E	18		Matue.
Matsumoto	Nagano, Honshū, Japan	MTM	36 14 36N	137 58 24E	610		Matumoto.
Matsumoto	Nagano, Honshū, Japan	MTMJ	36 35 06N	137 48 18E	929		Matsumoto outpost. From 1978.
Matsushiro	Nagano, Honshū, Japan	MAJO	36 32 30N	138 12 32E	422		From 1977VI 30.
Matsushiro	Nagano, Honshū, Japan	MAT	36 32 33.6N	138 12 25.2E	406	WWSSN	Matusiro. From 1947V 01.
Matsushiro Array	Nagano, Honshū, Japan	MJAR	36 32 30N	138 12 32E	422		Matsushiro Array Beam Reference Point.
Matsuyama	Ehime, Shikoku, Japan	MTY	33 50 24N	132 46 48E	34		Matuyama.
Mattawa	Ontario, Canada	MW−	46 16 31N	78 34 18W	244		*Closed*. From 1962 X 11 to 1962 X 27.
Mattmark	Switzerland	MMK	46 03 06N	7 57 54E	2200		From 1981.
Matua	Sakhalinskaya Obl., RF, CIS	MAU	48 03N	153 15E			
Matue		MTS	*See* Matsue				
Matumoto		MTM	*See* Matsumoto				
Matupit	New Britain	MIP	4 14 36S	152 11 24E	2		
Matupit Island	New Britain	MPT	4 14 37.2S	152 11 23.4E	2		
Matura	Trinidad and Tobago	TTR	10 40 26.4N	61 03 57.6W	46		From 1984 VII.
Matusiro		MAT	*See* Matsushiro				
Matuyama		MTY	*See* Matsuyama				
Maui		HLK	*See* Haleakala				
Mauna Kea	Hawaii, Hawaiian Islands	MKH	19 49 36N	155 28 21W			*Closed*. From 1975.
Mauna Loa	Hawaii, Hawaiian Islands	MLH	19 29 48N	155 23 18W	2010		From 1958 VII.
Mauna Loa 2	Hawaii, Hawaiian Islands	MLX	19 27 36N	155 20 42W	1475		From 1966 IX 21.
Maungaku	North Island, New Zealand	MGZ	39 00 07S	175 32 20E	806		From 1984 IV 11.
Maupin	Oregon, USA	VMNM	45 11 12.6N	121 03 10.8W	555		MNLO code VMN.
Mauritius Island	Mauritius	MRI	20 06S	57 31 48E			*Closed*. Correction to longitude Jul 1996.
Mavora Lakes	South Island, New Zealand	MLZ	46 20 53S	168 10 22E	640		From 1996 III.
Mawashi	Ryūkyū Islands, Japan	MWS	26 14N	127 41E	25		*Closed*.
Mawson	Mac Robertson Land, Antarctica	MAW MAW	67 36 14S	62 52 14E	12		From 1956.
Maxey Ranch	California, USA	PMRM	35 47 05.4N	120 14 08.4W	512		
Mayagüez	Puerto Rico	MPR	18 12 46.8N	67 08 20.4W	25		From 1973.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Mayfield	Washington, USA	MAY	46 05N	122 05W			*Closed*.
Maynard	British Columbia, Canada	MAYB	50 24 09.0N	127 10 18.1W	1414		From 1994 IX 02.
Mayon Resthouse	Luzon, Philippines	VMR	13 17 06.0N	123 40 04.8E	760		
Mazatlâan	Sinaloa, México	MAIG	23 11 17.9N	106 25 27.8W	10		
Mazatlán	Sinaloa, México	MAZ	23 11 17N	106 24 22W	65		
Mazatlán	Sinaloa, México	MZX	23 12 03N	106 25 31W	10		
Mazie Landing	Oklahoma, USA	MZO	36 07 53.9N	95 18 00.5W	182		*Closed*. From 1976 IX 16 to 1978 VI 16.
Mazirat	Auvergne, France	MAF	46 13 17.3N	2 33 59.2E	470		From 1985 VII 10.
Mazirat	Auvergne, France	MZF	46 12 56N	2 35 02E	480		*Closed*. From 1971 to 1985 VII 10.
Mazon	Ecuador	MSON	1 29 04.2S	78 28 04.2W	3380		From 1992 XII 10.
Mazracia	Egypt	MAZR	27 55 45.0N	33 59 41.4E			
Mbeya	Tanzania	MBAT	8 52 26.4S	33 27 10.2E	1780		From 1992 VI 12.
M'Bour	Senegal	MBO	14 23 27N	16 57 17W	3		Coordinates corrected 1969.
Meadow Cr. Golf	Utah, USA	MGU	40 40 53.4N	111 55 05.4W	1291		Meadow Creek Golf Course. From 1993 VI 24.
Meangora	New South Wales, Australia	MEG	35 06 02S	150 02 12E	712		From 1978 V 17.
Mecca Hills	California, USA	MECC	33 38 07.2N	116 01 42.6W	495		
Mechernich	Nordrhein-Westfalen, Germany	MEC	50 36N	6 40E			*Closed*.
Meda	Tunisia	MEDT	34 06 29.4N	9 55 13.2E	90		
Medan	Sumatera, Indonesia	MED	3 33N	98 41E	32		*Closed*. To 1974 X.
Medford	Wisconsin, USA	MF−	45 20 51N	90 35 23W	412		*Closed*. From 1962 XII 22 to 1963 IV 01.
Mediaş	Romania	MDB	46 08 30N	24 22 50E	375		From 1979.
Medicine Cr.	Nebraska, USA	MKN	40 22 26N	100 13 30W	732		Medicine Creek Dam. From 1979 III.
Medina	New York, USA	MEDY	43 10 54.6N	78 23 25.2W	186		From 1978 XII.
Medio Mundo	Nicaragua	MMO	11 53 39N	86 00 54W	480		From 1975.
Meekatharra	Western Australia, Australia	MEEK	26 38 16.2S	118 36 52.2E	530		From 1992 VI 03.
Meekatharra	Western Australia, Australia	MEK	26 36 46S	118 32 42E	515		To 1986 V 01.
Meekatharra	Western Australia, Australia	MEKA	26 36 51S	118 32 10E	390		*Closed*. From 1986 V 01 to 1991 VI 16.
Meers	Oklahoma, USA	MEO MEO MEO	34 47 07N	98 35 04.7W	465		Moved from 34:46:57.7N 98:35:06.5W 465m 1987:12:11. From 1985 IX to 1987 VIII 26 from 1987 X 22.
Meers Fault	Oklahoma, USA	MFO	34 49 16.3N	98 31 46.6W	451		*Closed*. From 1984 IV 20 to 1985 V 31.
Meerut	Uttar Pradesh, India	MEE	28 55N	77 40E	220		*Closed*.
Megha	Nepal	MEGN	28 42 36N	82 20 24E	2740		
Mei−Ami	Israel	MAMI	32 30 00N	35 09 00E	460		
Meishan	Taiwan, China	TWO	23 34 34.1N	120 32 58.2E	180		From 1972 IX 10.
Meishan	Taiwan, China	TWO1	23 34 13.8N	120 35 40.5E	231		From 1976 VIII 20.
Melbourne	Victoria, Australia	MEL	37 49 53S	144 58 24E	28		Intermittent operation 1962−1972. From 1902.
Melilla	Spain	EMEL	35 18 00N	2 57 24W	85		*Closed*. From 1988 II to 1999 I.
Melilli	Sicily, Italy	MEI	37 10 50N	15 07 48E			*Closed*.
Membach	Belgium	MEM	50 36 33.0N	6 00 23.8E	0		
Memphis	Tennessee, USA	MET	35 07 19.2N	89 56 02.4W	93		From 1973 XI 13.
Memphis	Tennessee, USA	MPH	35 07 22.8N	89 55 55.2W	94		*Closed*. From 1978 IX 21 to 1983 I 10.
Menan Buttes	Idaho, USA	MBI	43 47 11N	111 58 14W	1707		*Closed*. From 1973 IX to 1974 VII.
Mencas	Picardie, France	MENF	50 33 28.6N	2 09 17.9E	100		
Mendi	Papua New Guinea	MNDI	6 09 18.0S	143 39 28.8E	1800		From 1985 VIII 28.
Mendoza	Mendoza, Argentina	MDZ	32 53S	68 51W	826		From 1968 III 07.
Mendoza	Mendoza, Argentina	MEN	32 54 18S	68 51 51W	287		*Closed*.
Mendum Tagoi	Irian Jaya (West Irian), Indonesia	MENI MENI	2 30 37.0S	140 25 00.5E	300		
Menerdue Farm	England, UK	CME	50 10 33.6N	5 11 25.1W	178		*Closed*. From 1982 to 1994 V.
Mengen	Turkey	MGN	40 55 29.1N	32 10 52.5E	720		*Closed*. From 1970 VIII 01 to 1982 VII 10.
Menlo Park	California, USA	JMPM	37 27 20N	122 09 56W	17		
Menlo Park	California, USA	MOB MOB	37 27 00.6N	122 11 00.0W	21		*LT7**Closed*. Los Trancos 7. From 1967 IX 22 to 1976 IX 11.
Mentor	Ohio, USA	CMEN	41 41 02.4N	81 24 14.4W	188		*Closed*. To 1992 VI 15.
Menzel Bou-zelfa	Tunisia	MBZ	36 40 48N	10 40 12E	220		Correction to coordinates from Jun 1993.
Mera	Chiba, Honshū, Japan	TMS	34 55 12N	139 49 42E	13		*Closed*. Tomisaki.
Merapi	Jawa, Indonesia	MRP	7 24S	110 16E			*Closed*.
Mercer	Alaska and Aleutians, USA	MCR	63 53 42.6N	149 03 33.6W	456		*Closed*. From 1971 IX to 1975 VII.
Mercury	Nevada, USA	MCN	36 55 53.5N	116 03 22.0W			*Closed*.
Mercury	Nevada, USA	MCV	36 38 00.7N	115 59 59.2W	1158		*Closed*. From 1971 to 1979 VIII.
Mercury	Nevada, USA	MCY	36 39 42N	115 57 44W	1285		From 1980 III 07.
Mercy Springs	California, USA	BMSM	36 39 28.8N	120 47 37.3W	769		Mercy Hot Springs. From 1973 XII 06.
Mérida	Yucatán, México	MER	20 56 51N	89 36 59W	7		
Mérida	Venezuela	UAV UAV	8 36 36N	71 08 42W	1600		University of the Andes RESVAC code ULAV. From 1969 VIII 01.
Meridian	Oklahoma, USA	MRO MRO	35 50 08.0N	97 13 35.5W	294		*Closed*. Operated by TUL. From 1978 III 16 to 1982 IX 04.
Merrill Creek	New Jersey, USA	ABMC	40 41 09.6N	75 03 14.4W	170		
Merrill Creek	New Jersey, USA	EPMC	40 39 28.8N	75 11 24.0W	140		
Merrill Creek	New Jersey, USA	FHMC	40 45 03.6N	75 02 24.0W	256		
Merrill Creek	New Jersey, USA	HRMC	40 43 22.8N	75 05 20.4W	295		
Merrill Creek	New Jersey, USA	PDMC	40 45 21.6N	75 07 01.2W	232		
Merrill Creek	New Jersey, USA	PEMC	40 45 28.8N	75 04 33.6W	305		
Merrill Creek	New Jersey, USA	PFMC	40 43 30N	75 09 18W	220		
Merrill Creek	New Jersey, USA	PMMC	40 38 27.6N	75 07 22.8W	152		
Merritt	British Columbia, Canada	ME−	50 06 21N	120 39 56W	1067		*Closed*. From 1962 VII 07 to 1962 VII 17.
Meru	Kenya	MERK	0 11 32.7S	37 48 33.9E	920		From 1997 XII.
Mesa Lucera	New Mexico, USA	MLM	34 48 51.8N	107 08 42.0W	2088		From 1976 I.
Meshed		MSH	*See* Mashhad				
Messina ING	Sicily, Italy	MSI	38 12 12.2N	15 33 20.1E	60		Istituto Nazionale di Geofisica. From 1967 VII.
Messina Univ.	Sicily, Italy	MES	38 11 56N	15 33 18E	45		
Messtetten	Baden-Württemberg, Germany	MSS	48 10 45N	8 57 58E	915		Ebingen Messtetten, moved 1954:08. From 1933.
Mexico City	México D.F., México	MEX	19 19 44N	99 11 10W	2280		From 1978 VI.
Mexico Univ.	México D.F., México	UNM UNM UNM UNM	19 19 44.4N	99 10 40.8W	2257	WWSSN	Universidad Nacional Autonoma de Mexico, coordinates corrected Nov 1997. From 1967 VI 04 to 1970 X 10 from 1973 V to 1976 III from 1976 IV 30.
Mezhgor'ye	Ukraina, CIS	MEZ	48 31N	23 31E			
Mezontepec	México, México	IIZ	19 11 15.0N	99 14 28.7W	3430		
Miami	Florida, USA	MIA	25 55N	80 18W			*Closed*. From 1945 to 1956.
Mica Creek	British Columbia, Canada	MCC	52 03 06N	118 35 07W	578		*Closed*. To 1977 VI 03.
Mica Creek	British Columbia, Canada	MCE	52 00 12N	118 33 42W	625		*Closed*. From 1977 VI 04 to 1981 VIII 12.
Michilla	Antofagasta, Chile	MIC	22 42 23S	70 16 01W	100		
Michnevo	Moskovskaya Obl., RF, CIS	MHV	54 57 34.2N	37 45 59.0E	150		Coordinates corrected Sept 1998. From 1995 V.
Michoacan	Michoacan, México	BVTM	18 53 36N	102 15 54W			
Michoacan	Michoacan, México	CBZM	18 00 54N	102 24 18W			
Michoacan	Michoacan, México	ZEM	18 47 33.2N	102 06 41.8W	200		
Middleburg	Pennsylvania, USA	MR−	40 48 53N	77 10 32W	213		*Closed*. From 1962 X 11 to 1962 X 27.
Middlebury	Vermont, USA	MDV	43 59 57.0N	73 10 52.2W	134		From 1970 III.
Middle Cape	Alaska and Aleutians, USA	MMC	57 20 00N	154 38 06W	340		From 1971 VIII.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Middlesmoor	England, UK	MMY	54 10 33N	1 52 08W	427		
Middleton G.	South Carolina, USA	MGS	32 53 49.2N	80 08 26.9W	9		Middleton Gardens. Name and coordinates
		MGS					corrected Feb 1992. From 1976 III 31.
Middleton Island	Alaska and Aleutians, USA	MID	59 25 40.2N	146 20 19.8W	37		From 1964 IV 10 to 1965 I 06.
Middletown	California, USA	NMTM	38 48 20.5N	122 26 45.6W	422		From 1975 VI 26.
Midelt	Morocco	MDT	32 49 01N	4 36 50W	1200		
Midusawa		MIZ	*See* Mizusawa				
Midway	Midway Islands, Hawaiian	MDY	28 12 24N	177 20 00W			*Closed*. From 1966 to 1970.
	Islands	MDY					
Midway (Wa)	Washington, USA	MDW	46 36 48N	119 45 39W	372		From 1969 III.
Mihama	Kyōto, Honshū, Japan	JFM	35 31 42N	135 59 00E	160		
Mikata	Hyogo, Honshū, Japan	JMT	35 26 36N	134 32 06E	270		
Mikawa	Hiroshima, Honshū, Japan	MKW	34 36 40.0N	133 06 25.7E	320		From 1967IX 01.
Mikes Peak	California, USA	CMPM	37 21 27.6N	121 18 30.6W	799		
Milagra Ridge	California, USA	MGA	37 38 13.2N	122 28 25.8W	201		*JMGM* From 1971 VIII 31.
Milan	Italy	MIL	45 28N	9 11E	124		*Closed*.
Milan	Tennessee, USA	MILT	35 50 56.0N	88 43 58.4W	146		From 1985 XI.
Mile High Drive	Utah, USA	MHD	40 39 38.4N	111 48 03.0W	1597		From 1990 X 04.
Mileto	Italy	MLE	38 36N	16 03E	360		*Closed*.
Milford	Ohio, USA	MLF	39 08 14.6N	84 16 38.8W	238		From 1963.
Milford North	Utah, USA	MNU	38 37 11N	112 50 50W	1664		From 1977 I.
Milford Reservoir	Kansas, USA	MLK	39 06 26.4N	96 53 36.0W	386		From 1977 VIII 15.
Milford Sound	South Island, New Zealand	MSZ	44 40 24S	167 55 39E	90		Correction to coordinates 1992. From 1966 III.
Milimani	Kenya	MILK	0 06 50.4S	34 45 03.6E	1142		*Closed*. From 1997 II to 1998 III.
Military Pass	California, USA	LMPM	41 29 18.0N	122 09 41.4W	1865		
Mill City	California, USA	MILG	37 37 16.8N	118 59 13.8W	2536		From 1981 VII.
Mill Creek	California, USA	MLL	34 05 28.8N	116 56 10.8W	1513		
Miller Ranch	Texas, USA	MT3	30 32 31N	104 39 27W	1481		From 1977 VI.
Millersville	Pennsylvania, USA	MVL	39 59 57N	76 21 02W	91		Millersville State College.
Millon	England, UK	LMI	54 13 14.2N	3 18 25.2W	140		From 1989.
Mills College	California, USA	CMCM	37 46 52.7N	122 10 32.9W	90		From 1971 VII 20.
Millsfield	Tennessee, USA	MFTN	36 09 39.6N	89 23 34.8W	113		
Milo	Maine, USA	MIM	45 14 37N	69 02 25W	140		From 1975 VII.
Milton−Freewater	Oregon, USA	MFW	45 54 10.8N	118 24 21.0W	384		From 1971 X.
Milwaukee	Wisconsin, USA	MLW	43 02N	87 55W	194		*Closed*. From 1909 to 1957.
Mina	Nevada, USA	MN−	38 26 10N	118 08 53W	1524		*Closed*.
Mina	Nevada, USA	MNA	38 25 58N	118 09 24W	1525		
Mina	Nevada, USA	MNV	38 25 55.9N	118 09 15.8W	1507		From 1970 V 26.
Minabe	Wakayama, Honshū, Japan	JWM	33 51 00N	135 21 12E	150		
Minamidaito 2	Ryūkyū Islands, Japan	JMZ	25 49 08.4N	131 13 14.4E	50		Minamidaito jima 2.
Minamidaito jima	Ryūkyū Islands, Japan	MVI	25 49 42N	131 14 06E	14		From 1974II.
Mineo	Sicily, Italy	MNE	37 15N	14 44E	510		*Closed*.
Mineral	California, USA	MIN	40 20 42N	121 36 18W	1495		From 1938.
Miners Mountain	Utah, USA	MMU	38 11 54.6N	111 17 39.6W	2387		From 1980 X.
Mines Road	California, USA	CMNM	37 37 39N	121 42 30W	245		*CL2* MNLO code CMN. From 1979 XI 29.
Mines Road	California, USA	MNR	37 35 40.8N	121 38 13.2W	500		*CB9**CMRM* From 1969 IV 17.
Mineville	New York, USA	MIV	44 04 27N	73 31 48W			Mineville−Witherbee. From 1985 VI.
Mingechaur	Azerbaydzhan, CIS	MGC	40 45N	47 03E			This code formerly used for GRW.
Minicoy	Laccadive Islands	MNCI	8 18N	73 06E			Co−ordinates corrected Feb 1998.
Minitrack	Alaska and Aleutians, USA	MIK	64 52 20.4N	147 49 40.8W	160		*Closed*. From 1970 V to 1975 III.
Minneapolis	Minnesota, USA	MFM	44 54 50.8N	93 11 37.0W	226		*Closed*. Minneapolis−St Paul Ford Plant.
Minneapolis	Minnesota, USA	MNM	44 58 26.5N	93 14 17.0W	204		*Closed*. From 1974 XII to 1976.
Minneapolis	Minnesota, USA	MNN	44 54 52N	93 11 24W	217	WWSSN	*Closed*. From 1964 to 1967.
Minnesota Array	Minnesota, USA	CM1	45 56 01.3N	93 21 10.0W	324		Central Minnesota Seismic Array. From 1977 I 01.
Minnesota Array	Minnesota, USA	CM2	45 58 26.8N	93 09 42.4W	323		Central Minnesota Seismic Array. From 1977 I 01.
Minnesota Array	Minnesota, USA	CM3	43 52 29.0N	93 00 35.0W	294		Central Minnesota Seismic Array. From 1977 I 01.
Minnesota Array	Minnesota, USA	CM4	45 45 00.0N	93 06 07.0W	298		Central Minnesota Seismic Array. From 1977 I 01.
Minnesota Array	Minnesota, USA	CM5	45 46 58.9N	93 19 24.2W	298		Central Minnesota Seismic Array. From 1977 I 01.
Minnesota Array	Minnesota, USA	CM6	45 51 35.6N	93 11 51.8W	310		Central Minnesota Seismic Array. From 1977 I 01.
Minsk	Belorussiya, CIS	MNK	53 54N	27 34E			
Miraflores	Peru	MRF	12 07 53.8S	77 01 29.6W			
Mirnyy	Queen Mary Land, Antarctica	MIR	66 33S	93 00E	30		
Misaki	Kanagawa, Honshū, Japan	MSK	35 09N	139 37E			*Closed*.
Misakubo	Shizuoka, Honshū, Japan	MSKJ	35 11 36.2N	137 56 20.8E	754		From 1979IV.
Misere	Quebec, Canada	A54	47 27 24N	70 24 45W	381		From 1977 VIII 30.
Mishima	Shizuoka, Honshū, Japan	MIS	35 06 42N	138 55 48E	22		Misima.
Mishlifen	Morocco	MIF	33 24 32N	5 13 44W	2070		
Misoa	Venezuela	MISV	9 58 22.8N	70 55 33.6W			
Misono	Hidaka, Hokkaidō, Japan	MSN	42 25 23.5N	142 32 28.9E	100		From 1976VII 01.
Mission San Jose	California, USA	MSJ	37 31 15.0N	121 52 13.8W	498		*CMJM* From 1972 VII 01.
Missoula	Montana, USA	MSO	46 49 45N	113 56 26W	1264		From 1973 XI.
Miston	Tennessee, USA	MIST	36 10 14.7N	89 30 08.4W	80		
Mitaka	Tōkyō, Honshū, Japan	MTK	35 40N	139 30E	57		*Closed*. To 1941.
Mitchell	South Dakota, USA	MC−	43 39 16N	97 55 10W	366		*Closed*. From 1962 V 09 to 1962 VI 28.
Mitchell	Nebraska, USA	MH−	41 53 20N	103 53 30W	1311		*Closed*. From 1962 X 15 to 1962 X 27.
Mitchell Field	Alaska and Aleutians, USA	MFA	51 56 06N	176 35 30W			*Closed*. From 1949 VII to 1952.
Mito	Ibaraki, Honshū, Japan	MIT	36 22 42N	140 28 18E	29		
Mitsui		SUS	*See* Susaki				
Mitsuishi	Hidaka, Hokkaidō, Japan	MUJ	42 16 08.2N	142 35 59.2E	60		
Mitsune	Bonin Islands, Japan	JHJ2	33 06 42N	139 49 00E			
Mi Wuk Village	California, USA	MMWM	38 03 49.7N	120 10 53.4W	1411		From 1976 VII 12.
Mix Canyon Road	California, USA	MIX	38 24 40.8N	122 03 26.4W	177		*NMXM* From 1971 VI 12.
Miyake jima	Bonin Islands, Japan	MKJ	34 06 36N	139 31 42E	170		From 1972 II.
Miyake jima 2	Bonin Islands, Japan	JMY	34 03 57N	139 31 00E	430		
Miyako	Iwate, Honshū, Japan	MIY	39 38 42N	141 58 06E	46		
Miyako	Iwate, Honshū, Japan	MKO	39 35 24N	141 58 54E	125		From 1968IX.
Miyako 2	Iwate, Honshū, Japan	MIYJ	39 34 24N	141 49 18E	200		From 1990IV 23.
Miyako jima		MYK	*See* Miyako zima				
Miyako jima 2	Ryūkyū Islands, Japan	JMJ	24 48 52.8N	125 17 36.6E	43		
Miyako zima	Ryūkyū Islands, Japan	MYK	24 47 30N	125 17 42E	41		Miyako jima.
Miyama	Gifu, Honshū, Japan	JGM	35 41 57.6N	136 43 05.4E	495		
Miyazaki	Miyazaki, Kyūshū, Japan	MYZ	31 55 12N	131 25 24E	7		Miyasaki.
Miyazaki 2	Miyazaki, Kyūshū, Japan	MYZ2	31 53 48N	131 24 42E	12		
Miyazu	Kyōto, Honshū, Japan	MYD	35 32N	135 12E			*Closed*. Miyadu.
Mizusawa	Iwate, Honshū, Japan	MIZ	39 08 03.4N	141 08 10.0E	63		*MIW* Midusawa. From 1902.
Mobile		SHA	*See* Spring Hill				
Moca	Puerto Rico	MCP	18 25 08.3N	67 06 38.7W	250		*Closed*. From 1975 XI 14.
Moca	Fernando Póo, Equatorial	MFP	3 20 30.6N	8 39 39.1E	1338		Fernando Póo. From 1963 X.
	Guinea	MFP					
Moca	Puerto Rico	MOCA	18 24 51.6N	67 04 39.0W			
Mochara	Bolivia	MOCB	21 15 01.8S	65 38 16.8W	3580		From 1993 VI.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Model	Tennessee, USA	MOTN	36 37 04.8N	87 59 12.0W	177		
Moffitt Ranch	California, USA	GMOM	38 42 36.7N	123 08 35.5W	802		From 1975 V 07.
Mogadiscio	Somalia	MOG	2 02N	45 21E			*Closed*.
Mogollon	New Mexico, USA	ML−	33 24 53N	108 50 11W	1646		*Closed*. From 1961 XII 15 to 1962 II 16.
Mohaka	North Island, New Zealand	MOH	39 07 57.0S	177 08 52.2E	245		*Closed*. From 1987 III 19.
Moikau	North Island, New Zealand	MOW	41 25 18S	175 15 07E	430		
Moi Rana	Norway	MOR1	66 14 14.8N	14 46 19.5E	650		*Closed*. From 1989 to 1989 XII 12.
Moi Rana	Norway	MOR2	66 14 11.6N	14 46 26.6E			*Closed*. From 1989 to 1989 XII 12.
Moi Rana	Norway	MOR3	66 14 08.7N	14 46 20.6E			*Closed*. To 1989 XII 12.
Moi Rana	Norway	MOR4	66 14 12.1N	14 46 00.6E			*Closed*. From 1989 to 1989 XII 12.
Moi Rana	Norway	MOR5	66 14 15.8N	14 45 59.0E			*Closed*. To 1989 XII 12.
Moi Rana	Norway	MOR6	66 14 13.2N	14 46 01.2E	650		*Closed*. From 1986 II to 1989 XII 12.
Moi Rana	Norway	MOR7	66 17 06N	14 44 06E	435		*Closed*. From 1990 V 23 to 1993 VIII.
Moi Rana	Norway	MOR8	66 10 16.7N	14 26 28.0E	445		From 1993 VIII.
Mojave R. Dam	California, USA	MRD	34 40 32.4N	117 14 27.0W	969		Mojave River Dam.
Mokapu	Hawaii, Hawaiian Islands	MOK	21 27 23.4N	157 44 11.5W	90		*Closed*. From 1965 IV.
Mokuaweoweo	Hawaii, Hawaiian Islands	MWH	19 29 16.8N	155 35 58.8W	1251		
Molcaxac	Puebla, México	MOPM	18 44N	97 55W	1840		
Molde	Norway	MOL	62 34 12.0N	7 32 52.8E	98		From 1987 II.
Molkenrain	Alsace, France	MOF	47 51 05.7N	7 07 58.8E	1085		From 1982.
Mollejon	Venezuela	MOLL	7 44 06N	71 37 44W	900		From 1984.
Molln	Austria	MOA	47 50 58.3N	14 15 57.4E	572		*Closed*. From 1976 III to 1990 VI.
Momías	Spain	MOMI	36 19 18.0N	5 43 14.4W	344		
Momote	Admiralty Islands	MOM	2 02 30S	147 24 06E	10		From 1969 X.
Mona		HOJ	*See* Hope				
Monaco	Monaco	MON	43 43 50N	7 25 30E	52		
Monarch Peak	California, USA	MOP	36 12 54.6N	120 47 41.4W	784		*PMPM* From 1970 VIII 14.
Monasavu	Fiji	MSV	17 45 28S	178 03 16E	626		From 1983 II.
Moncalieri	Italy	MNC	45 00N	7 42E	238		*Closed*.
Moncks Corner	South Carolina, USA	MKC	33 11 24N	80 02 24W	25		*Closed*. From 1973 III 13 to 1973 X 01.
Moncorvo	Portugal	MVO	41 09 52.0N	7 01 43.9W	860		Correction to position Apr 1990. From 1980 VIII
		MVO					01.
Mondoñedo	Spain	EMON	43 26 10.0N	7 19 47.4W	615		From 1988 VII.
Mondy	Buryatskaya ASSR, RF, CIS	MOY	51 41N	100 59E			
Monesi	Italy	MONE	44 04 46.2N	7 45 18.0E	1320		From 1991 VI.
Monetta	South Carolina, USA	MTT	33 45 05N	81 38 10W	182		Monetta Fire Tower. From 1976 VIII 09.
Monida	Montana, USA	MOMT	44 35 36.0N	112 23 39.6W	2220		
Monjas	Ecuador	MJAS	0 15 07.2S	78 29 52.8W	2800		
Monobe	Kō chi, Shikoku, Japan	JMN	33 43 42N	133 52 42E	580		
Mono Lake	California, USA	ML1	37 52 50N	118 50 58W	2512		From 1966 VIII 22 to 1966 VIII 26.
Mono Lake	California, USA	ML2	38 04 50N	119 14 39W	2987		From 1966 VIII 24 to 1966 IX 09.
Mono Lake	California, USA	ML3	37 32 58N	118 48 55W	2512		From 1966 VIII 25 to 1966 IX 09.
Mono Lake	California, USA	ML4	38 18 21N	119 33 13W	2195		From 1966 VIII 23 to 1966 IX 09.
Mono Valley	California, USA	MONR	38 03 38.9N	118 46 32.9W	2179		REN code MON. From 1974 VII.
Monowai	South Island, New Zealand	MNW	45 46 49S	167 37 07E	155		*Closed*. From 1935 VII to 1978 XI 26.
Monserrat	Spain	MRB	41 35 41.4N	1 50 13.8E	890		
Mønsted	Denmark	NE02	56 27 32.4N	9 10 12.0E	60		From 1983 II.
Monsted U'grnd	Denmark	MUD	56 27 36N	9 10 12E	12		Monsted Underground. From 1982 III.
Mont	Aquitaine, France	MONL	43 25 58N	0 39 02W	100		
Montachique	Portugal	MTH	38 53 48N	9 11 33W	409		
Montagne du Rey	Aquitaine, France	REYF	43 04 11.4N	0 23 33.0W	770		
Montagne Vauclin	Martinique	MVM	14 33 16.2N	60 53 43.8W	361		Montagne du Vauclin. From 1975.
Montague Island	Alaska and Aleutians, USA	MTG	59 54 42.6N	147 29 49.2W	31		*Closed*. Moved to MTU. From 1974 X 03 to 1985
		MTG					VII.
Montague Island	Alaska and Aleutians, USA	MTU	59 59 16.2N	147 39 07.2W	434		Moved from MTG.
Montasola	Italy	MNS	42 23 04.6N	12 40 48.0E	600		*MA1* Formerly MA1. From 1978 I.
Montbardon	Provence-Côte d'Azur, France	MBDF	44 43 37N	6 46 17E	1520		From 1996 IV 03.
Mont Bernier	Vanuatu (New Hebrides)	MBV	17 39 31.2S	168 18 37.8E			
Mont Chateau	West Virginia, USA	MCWV	39 39 29.2N	79 50 44.2W	280		From 1991 III 28.
Montclair	New Jersey, USA	MONJ	40 48 30N	74 13 51W	98		
Mont−d'or	Guadeloupe	MLG	16 03 40.8N	61 42 37.2W	642		Mont−d'Or Baillif.
Mont Dzumac	New Caledonia	DZM	22 04 16S	166 26 40E	905		From 1985.
Monteagle	New South Wales, Australia	MEA	34 12 30S	148 23 35E			*Closed*. From 1966 VIII 14 to 1972 VIII 09.
Monte Argentario	Italy	MAO	42 25 00.0N	11 09 08.1E	326		From 1983 VIII.
Monte Baldo	Italy	BALI	45 46 50N	10 51 45E	1751		From 1981 VI 15.
Montebello Ridge	California, USA	MTB	37 17 26.5N	122 05 25.8W	347		*Closed*. From 1975 II 07 to 1976 XII 23.
Mte Cammarata	Sicily, Italy	MCT	37 37 52N	13 38 01E	1565		Monte Cammarata.
Monte Cassino	Italy	MCI	41 29N	13 49E	527		*Closed*. Montecassino.
Monte Cimone	Italy	MME	44 11 37N	10 42 00E	2160		
Monte Cocuzzo	Italy	CZI	39 13 05.9N	16 08 01.1E			From 1982.
Monte Cristo Pk	Utah, USA	MCU	41 27 42N	111 30 27W	2664		From 1975 XII.
Monte Escuro	Azores	MESC	37 47 35.3N	25 26 44.1W	790		From 1990 I 19.
Monte Escuro	Azores	MTSA	37 46 51.5N	25 26 18.3W	826		
Monte Figo	Portugal	FIG	37 06 02N	7 49 42W	310		From 1984 III 30.
Monte Figo	Portugal	PFMF	37 06 01.8N	7 49 24.6W	398		From 1996 I.
Montego Bay	Jamaica	MBJ	18 24 09.5N	77 30 31.8W	564		Kempshot.
Montehunto	Portugal	PMJU	39 10 30.0N	9 02 55.8W	660		
Monte Lauro	Sicily, Italy	MEU	37 06 04N	14 55 48E	985		
Monte Llano	Dominican Republic	DR04	19 27 55.8N	70 21 28.2W			*DR4* Dominican Network. Changed name Mar
		DR04					1990.
Monte Massico	Italy	MSC	41 11 29.2N	13 58 17.0E	109		
Montemor	Portugal	MOE	38 31 21.9N	8 21 02.1W	263		Montemor−o−Novo. Correction to position Apr
		MOE					1990. From 1983 II 19.
Monte−Pele	Martinique	MPM	14 48 43.2N	61 10 04.8W	1190		
Monte Pellegrino	Sicily, Italy	MPG	38 09 42N	13 21 36E	600		From 1994 III.
Monte Pirata	Puerto Rico	MTP	18 05 38.4N	65 33 25.2W	175		From 1975 IV.
Monte Prat	Italy	MPRI	46 14 30N	12 59 18E	762		Monteprat. From 1977 VI 02.
Monte Reale Valcellina		RCL	*See* Mte Valcellina				
Monterey	California, USA	MTR	36 36 01.8N	121 55 03.6W	192		*HMOM* Correction to coordinates Mar 1993.
		MTR					From 1970 XI 27.
Monte Soro	Sicily, Italy	MNO	37 55 52N	14 41 42E	1840		
Monte Vettore	Sicily, Italy	MVT	37 41 21N	14 59 10E	1660		
Monteynard	Rhône-Alpes, France	MNY	44 57 38N	5 41 28E	422		From 1963 IX.
Montezuma		CAC	*See* Calama				
Montezuma	Antofagasta, Chile	MTZ	22 38S	68 50W	1850		*Closed*. From 1933 I.
Montezuma Peak	Nevada, USA	MZP	37 42 02N	117 22 59W	2375		From 1979 VII 13.
Montgomery	Vermont, USA	MGVT	44 54 48.6N	72 37 39.6W	262		*Closed*. From 1977 VIII 01 to 1981 VIII 25.
Monti di Nese	Italy	MDI	45 46 38N	9 42 41E			
Montolieu	Languedoc-Rousillon, France	MTLF	43 20 28N	2 13 03E	365		From 1996 IV 03.
Mont Orford	Quebec, Canada	MOQ	45 18 43.2N	72 15 14.8W	841		From 1991 V 03.
Montpelier	Vermont, USA	MPVT	44 16 42N	72 36 24W			*Closed*. From 1977 VI 27 to 1981 VIII 25.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Montreal	Quebec, Canada	MNT	45 30 09N	73 37 23W	112		Brébeuf. From 1954 IX.
Montrose	Colorado, USA	MRC	38 28 14N	107 51 36W	1790		*Closed*. From 1970 to 1972 XI.
Montrose	Pennsylvania, USA	MS−	41 45 40N	75 47 51W	457		*Closed*. From 1962 VII 24 to 1962 VII 27.
Mont Sano	Alabama, USA	MSAL	34 50 48.0N	86 40 24.6W	260		
Monts Château	Kerguelen Islands	KCH	49 14 38.4S	70 08 42.0E			From 1974 II.
Montserrat	Montserrat	MWI	16 42 46.8N	62 13 19.2W	46		*Closed*. Grove. From 1966 III 20.
Mont Tournerait	Provence-Côte d'Azur, France	TOUF	44 00 48.6N	7 14 53.9E	1830		
Mont Tremblant	Quebec, Canada	TRQ	46 13 20N	74 33 20W	853		From 1981 III 16.
Monturaqui	Antofagasta, Chile	MTQ	24 20 24S	68 26 24W	3000		
Mont Vial	Provence-Côte d'Azur, France	MUIF	43 53 46.8N	7 09 09E	1480		
Mont Vial	Provence-Côte d'Azur, France	MVIF	43 53 46.8N	7 09 09.0E	1480		
Moodus	Connecticut, USA	MD1	41 33 10.4N	72 28 00.0W	113		*Closed*. Moodus−Comstock Bridge.
Moodus	Connecticut, USA	MD2	41 31 53.0N	72 26 01.3W	61		*Closed*. Moodus−Pickerel Lake.
Moodus	Connecticut, USA	MD3	41 30 23.8N	72 28 17.4W	152		*Closed*. Moodus−Cave Hill.
Moodus	Connecticut, USA	MD4	41 30 08.3N	72 30 43.6W	106		*Closed*. Moodus−Haddam Neck.
Moodus	Connecticut, USA	MD5	41 27 18.4N	72 29 42.0W	101		*Closed*. Moodus−Shailerville.
Moorlands	Tasmania, Australia	MOO	42 26 30S	147 11 25E	325		From 1960.
Moosalm	Austria	MOTA	47 20 41.3N	11 06 13.4E	1575		From 1991 II 09.
Moose Cr. Bluff	Alaska and Aleutians, USA	MCB	64 43 21N	147 13 31W	200		*Closed*. Moose Creek Bluff. From 1968 IX to 1971
		MCB					IX.
Moose Creek	Alaska and Aleutians, USA	MSE	61 50 18.0N	148 58 01.8W	1319		From 1984 IX 11.
Moose Pass	Alaska and Aleutians, USA	MPA	60 29 21.0N	149 21 38.4W	150		From 1973 VIII 05.
Moose Ponds	Wyoming, USA	MOOW	43 44 54.9N	110 44 41.4W	2128		From 1986 I.
Moravský Beroun	Czech Republic	MORC	49 46 35.8N	17 32 34.1E	740		Coordinates corrected Sept 1998. From 1995 IV.
Morawa	Western Australia, Australia	MRWA	29 13 04.8S	115 59 45.6E	300		From 1984 VI 21.
Morecambe B102	England, UK	LBH	54 01 57N	2 54 21W	−85		From 1990.
Morelia	Michoacan, México	MOIG	19 40 40.4N	101 11 20.0W	1275		
Morelia	Michoacan, México	MRX	19 42 16.2N	101 11 30.0W	1560		From 1988.
Moresby Island	British Columbia, Canada	MOBC	53 11 48.8N	131 53 53.9W	675		
Morganfield	Kentucky, USA	MOKY	37 38 49.2N	87 54 03.6W	204		From 1989.
Morgan Territory	California, USA	MTC	37 48 40.8N	121 48 09.0W	792		*CMOM**LT17* From 1969 IV 17.
Morgantown	West Virginia, USA	MRG	39 37 59N	79 57 16W	281		From 1950 X.
Mori	Ō shima, Hokkaidō, Japan	MOR	42 06 12N	140 34 18E	19		
Morigerati	Italy	MGR	40 08 15.4N	15 33 17.4E	260		
Morioka	Iwate, Honshū, Japan	MRK	39 41 48N	141 10 00E	154		
Morioka 2	Iwate, Honshū, Japan	MRKJ	39 35 55.8N	141 19 25.8E	380		From 1992II 21.
Mormanno	Italy	MMN	39 53 24.4N	15 59 25.7E			
Morne−Daniel	Dominica, WIAS	MDN	15 18 57.6N	61 24 00.0W	99		From 1981 III 16.
Morne des Cadets		FDF	*See* Fort de France				
Morne La Croix	Martinique	CXM	14 48 40.8N	61 10 06.6W	1240		
Morne Lénard	Martinique	PML	14 46 51.6N	61 11 01.8W	370		Pelée Morne Lénard Code formerly used for
		PML					SLW.
Morong	Luzon, Philippines	MNP	14 40 47.3N	120 16 41.8E	12		
Morongo Valley	California, USA	MRVC	34 09 21N	116 30 06W	1239		PAS code MRV. From 1978 III.
Morovis	Puerto Rico	MOV	18 17 55.4N	66 21 59.8W	485		*Closed*. From 1977 II 15.
Morrocoy	Venezuela	MORO	10 52 20N	68 18 58W	920		From 1984.
Morro Solar	Peru	PT01	12 00 54S	77 01 54W	250		
Moscow	Moskovskaya Obl., RF, CIS	MOS	55 44 18N	37 37 30E	121		Moskva.
Moskva		MOS	*See* Moscow				
Mössingen	Baden-Württemberg, Germany	MSG	48 23 57N	9 02 00E	475		From 1971.
Mostar	Bosnia-Hercegovina	MST	43 21N	17 49E	70		*Closed*.
Mosul	Iraq	MSL	36 22 54.0N	43 08 53.7E	242		From 1981 VII.
Mould Bay	Northwest Territories, Canada	MBC	76 14 30N	119 21 36W	15		From 1961 X 18.
Moulis	Midi-Pyrénées, France	MLS	42 57 28.1N	1 05 41.0E	450		*Closed*. Coordinates corrected Mar 1997.
Mounoet Dainard	British Columbia, Canada	MNB	52 11 55.2N	118 23 00.0W	2271		
Mount Abel	California, USA	ABL	34 51 02.9N	119 13 14.9W	1981		From 1976 VI.
Mt Adams	North Island, New Zealand	AMW	41 18 34S	175 45 39E	400		From 1991 II 11.
Mount Adams	Washington, USA	ASR	46 09 02.4N	121 35 33.6W	1280		Mount Adams−Stagman Ridge.
Mountain Home	Idaho, USA	MO−	43 04 19N	116 15 56W	792		*Closed*. From 1966 XI 17 to 1967 VI 26.
Mountain Pass	Nevada, USA	MTPC	35 29 05.4N	115 33 12.0W	1582		
Mountain Pine	Arkansas, USA	MP−	34 36 06N	93 08 45W	183		*Closed*. From 1961 XI 20 to 1963 VI 03.
Mountain View	Hawaii, Hawaiian Islands	MVH	19 30 15N	155 03 45W	409		
Mount Amassa	Israel	ASI	31 19 48N	35 05 42E	850		*Closed*. From 1983 VIII to 1984 X.
Mount Atzmon	Israel	ATZ	32 49 17.8N	35 16 11.0E	510		Correction to elevation 1991. From 1986.
Mount Bagana	Bougainville	BGA	6 09 00S	155 10 48E	1000		From 1984 to 1988 XI from 1989 III.
Mount Baker	Washington, USA	MBW	48 47 02.4N	121 53 58.8W	1676		From 1972 XI 08.
Mt Baker	Washington, USA	MU−	48 55 00N	121 54 37W	732		*Closed*. From 1962 IX 26 to 1962 X 05.
Mount Berech	Israel	MBH	29 46 12N	34 52 48E	840		From 1986 VI 18.
Mount Bingar	New South Wales, Australia	MBA	34 07 30S	146 14 14E			*Closed*. From 1961 to 1962.
Mount Bonython		ADE	*See* Adelaide				
Mount Brisbane	Queensland, Australia	WMBQ	27 06 55.8S	152 33 00.7E	160		From 1977 III 18.
Mt Cameroon	Cameroon	MOC	4 17 13N	9 13 01E	2475		*Closed*. Moved to MOKC. From 1985 XI 23 to
		MOC					1990.
Mount Cameroon	Cameroon	MOKC	4 15 30N	9 15 00E	2040		Replaces MOC.
Mt Carmel	Israel	CRI	32 40 55.2N	35 02 42.0E	450		*Closed*. From 1983 VII.
Mount Cartier	British Columbia, Canada	CARB	50 54 00N	118 03 12W	2294		*Closed*. University of British Columbia.
Mount Castle	Papua New Guinea	MCAS	6 22 18.8S	143 28 59.9E	1950		From 1996 VIII 31.
Mt Constitution	Washington, USA	MCW	48 40 46.8N	122 49 56.4W	693		From 1972 XI 08.
Mount Cooper	Queensland, Australia	MCPQ	20 33 07.2S	146 48 21.6E	300		From 1984 II 23.
Mount Darwin	Zimbabwe	MTD	16 46 48S	31 35 00E	967		From 1971 VI.
Mount Davis	California, USA	MDA	33 54 46.8N	116 59 58.2W	845		
Mount Diablo	California, USA	MDC	37 52 54N	121 54 51W	1173		*Closed*. From 1967 V 27 to 1974 VI 01.
Mte del Estrado	Puerto Rico	MEP	18 08 45N	66 58 52W	880		*Closed*. Monte del Estrado. From 1990 VII.
Mount Ellis	Montana, USA	MEMT	45 36 14.4N	110 58 10.8W	1951		From 1987 X 15.
Mount Erie	Washington, USA	ERW	48 27 14.4N	122 37 30.2W	389		
Mte Sant'Angelo	Italy	FG3	41 42 02.5N	15 57 01.0E	830		Monte Sant'Angelo.
Mte Valcellina	Italy	RCL	46 09 36N	12 39 12E	548		*RE1* Monte Reale Valcellina Formerly MRVI.
		RCL					From 1977 VIII 03.
Mount Fremont	Washington, USA	FMW	46 55 54.0N	121 40 19.2W	1890		From 1972 IX 04.
Mount Gilboa	Israel	MGI	32 26 49.2N	35 26 16.8E	300		*Closed*. To 1986 IV 01.
Mount Grey	British Columbia, Canada	MGB	49 00 00.0N	124 41 31.2W	1300		From 1983 XII.
Mount Hagen	Oregon, USA	VMHM	44 08 15.6N	122 24 26.4W	902		MNLO code VMH.
Mount Hamilton	California, USA	MHC	37 20 30N	121 38 30W	1282		Lick Observatory. From 1887.
Mt Hamilton Road	California, USA	MHR	37 21 34.2N	121 45 22.8W	518		*CB10**CMHM**NHMM* From 1969 III 04.
Mount Harkness	California, USA	LHKM	40 26 07.2N	121 16 40.2W	2060		MNLO code LHK.
Mount Harlan	California, USA	BMHM	36 41 10.7N	121 24 47.9W	811		From 1975 I 29.
Mount Hebo	Oregon, USA	VHOM	45 13 09.0N	123 43 31.2W	951		MNLO code VHO.
Mt Hermon	Israel	HRI	33 16 12N	35 44 24E	1060		From 1983 VII.
Mount Hope	Queensland, Australia	MHPQ	21 23 45.6S	146 48 07.2E	200		From 1984 IV 10.
Mount Horn	South Island, New Zealand	MHZ	45 03 43S	169 16 47E	1127		*Closed*. From 1984 VI 06 to 1996 IV.
Mount Humbug	Montana, USA	HBMT	45 47 34.8N	112 36 28.2W	2481		From 1990 VIII 08.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Mount Ida	Arkansas, USA	MIAR	34 32 44.5N	93 34 22.8W	207		From 1992 IX 23.
Mount Ida	Arkansas, USA	MZ−	34 33 31N	93 39 28W	213		*Closed*. From 1962 XII 20 to 1963 I 31.
Mount Irish	Nevada, USA	MTI	37 40 36N	115 16 22W	1525		From 1979 VI 08.
Mount Isa	Queensland, Australia	ISQ	20 42 54S	139 33 12E	500		From 1979 VIII 21 to 1987 VI 14.
Mount Isa	Queensland, Australia	QIS	20 33 27.7S	139 36 18.7E	330		From 1987 VI 15.
Mount John	South Island, New Zealand	MJZ	43 59 14S	170 27 58E	1000		*Closed*. From 1965 V 29 to 1980 VI 25.
Mt John Pukaki	South Island, New Zealand	MJP	43 59 28S	170 27 34E	960		*Closed*. From 1975 VI 01 to 1983 XI 21.
Mt Johnson	California, USA	BJOM	36 37 41.9N	121 18 47.9W			From 1974 I 31.
Mount Konoctai	California, USA	GMKM	38 58 10.2N	122 47 13.2W	906		From 1975 IV 18.
Mount Lassen	California, USA	LAS	40 28 30.7N	121 30 29.5W	2650		*Closed*. From 1973 X 01 to 1974 VII 16.
Mount Lewis	California, USA	CMLM	37 28 38.4N	121 39 05.4W	1076		MNLO code CML.
Mount Macho	California, USA	CMMM	37 27 20.4N	121 29 37.2W	1117		MNLO code CMM.
Mount Malkishua	Israel	MML	32 26 06.3N	35 24 47.9E	510		From 1986 V 01.
Mount Mary	South Island, New Zealand	MMP	44 08 33S	170 16 42E	950		*Closed*. From 1975 VI 01 to 1983 XI 21.
Mount Meron	Israel	MMR	32 59 24N	35 25 12E	1108		From 1991 V.
Mount Meron	Israel	MNRI	33 00 36.0N	35 23 13.2E	900		
Mount Meron	Israel	MRNI	33 00 39.6N	35 24 00.0E	900		
Mount Michael	South Island, New Zealand	MMCZ	45 00 13.0S	169 07 52.7E	1163		*Closed*. From 1990 III to 1996 IV.
Mount Mitchell	Washington, USA	MTMW	46 01 31.8N	122 12 42.0W	1121		
Mt Montar	Israel	MOI	31 44 06.0N	35 20 56.6E	140		*Closed*. To 1986 VII 14.
Mount Morrison	North Island, New Zealand	MTW	41 09 34S	175 30 07E	282		From 1979 VI 29.
Mt Morrison		YUS	*See* Yü−Shan				
Mount Ogden	Utah, USA	MOUT	41 11 05.6N	111 52 43.8W	2743		From 1980 IX.
Mount Olympus	California, USA	OLYC	33 25 52.8N	117 07 03.0W	482		
Mount Oso	California, USA	COSM	37 30 30.6N	121 22 26.4W	1020		MNLO code COS.
Mount Ozzard	British Columbia, Canada	OZB	48 57 37.1N	125 29 34.1W	671		
Mount Pasian	Mindanao, Philippines	MPP	7 53 50N	126 01 05E	1130		*Closed*. From 1975 IX to 1980 I 17.
Mt Pasian		PPH	*See* Pasian Peak				
Mount Pierce	California, USA	KMPM	40 25 02.4N	124 07 12.6W	957		MNLO code KMP.
Mount Rainier	Washington, USA	RCS	46 52 15.6N	121 43 52.0W	2877		Mount Rainier−Camp Schurman. From 1989 VI 27.
		RCS					
Mount Rainier	Washington, USA	REMR	46 49 09.2N	121 50 27.3W	1756		Mount Rainier−Emerald Ridge. From 1989 VII 12.
Mount Rainier	Washington, USA	RVC	46 56 34.5N	121 58 17.3W	1000		Mount Rainier−Voight Creek.
Mount Ramon	Israel	RMN	30 29 49.2N	34 37 37.2E	1000		
Mount Ramon	Israel	RMNI	30 30 43.2N	34 38 27.6E	880		Coordinates corrected Sept 1998.
Mt St Catherine	Grenada	GRW	12 09 36.0N	61 39 39.6W	762		Formerly MCG. From 1978 IV 09.
Mt St Helena	California, USA	NMHM	38 40 10.2N	122 38 01.7W	1331		From 1977 I 20.
Mt Saint Helena	California, USA	SHC	38 40 13.2N	122 38 01.8W	1200		*Closed*. From 1973 XII 07 to 1977 I 20.
Mt Saint Helens	Washington, USA	SHW	46 11 33N	122 14 12W	1423		From 1972 X 25.
Mt St Michael		SPO	*See* Spokane				
Mt San Antonio	New Mexico, USA	MSA	36 51 33N	106 01 04W	3322		From 1975 X 09.
Mt Sar Shalom	Israel	MSM	33 03 39.6N	35 16 44.4E	500		*Closed*. From 1983 III 19 to 1983 VII 14.
Mt Sheppard	North Carolina, USA	MTSH	35 45 20N	79 57 10W	361		
Mount Signal	California, USA	SGL	32 38 57.0N	115 43 31.2W	110		From 1973 IV 16.
Mount Sodom	Israel	SDOM	31 04 48N	35 23 24E	−200		
Mts of Mourne	Northern Ireland, UK	GMM	54 14 20N	5 57 04W	140		From 1989.
Mount Spurr	Alaska and Aleutians, USA	SPU	61 10 54.0N	152 03 15.6W	800		From 1971 VIII 10.
Mt Sto Tomas	Luzon, Philippines	MSP	16 21 00N	120 33 42E	2000		Mount Santo Tomas. From 1975 X.
Mount Tamalpais	California, USA	NTPM	37 55 12.0N	122 33 46.8W	274		MNLO code NTP.
Mount Tassie	Victoria, Australia	MTV	38 24 06S	146 33 58E	740		*Closed*. To 1972 VIII 09.
Mount Taylor	New Mexico, USA	MTL	35 15 07N	107 35 47W	3335		From 1975 X 15.
Mount Thompson	British Columbia, Canada	THOB	52 41 24N	119 07 18W	2499		*Closed*. From 1972 X 15.
Mount Tsukuba	Ibaraki, Honshū, Japan	MTJ	36 12 39N	140 06 36E	286		Tsukuba San. From 1921.
Mount Umunhum	California, USA	JUMM	37 09 39.0N	121 53 51.6W	1048		
Mt Valcellina	Italy	MRVI	46 09 36N	12 39 03.6E	548		*Closed*. Monte Reale Valcellina. From 1977 VIII 03.
		MRVI					
Mount Varzin	New Britain	EVZ	4 23 45.6S	152 09 19.2E	597		
Mount Wilson	California, USA	MWC	34 13 25.8N	118 03 27.6W	1730		From 1928 IV 23.
Mount Yahel	Israel	MYI	31 11 56.4N	35 12 57.6E	500		*Closed*. To 1983 VIII.
Mount Yoash	Israel	YASH	29 34 19.2N	34 52 15.6E	680		Coordinates corrected Sept 1998.
Mt Zion Church	South Carolina, USA	ZIN	33 06 28.2N	80 09 34.8W			From 1977 X 23.
Moutere Station	South Island, New Zealand	MSCZ	45 05 35S	169 24 42E	701		*Closed*. From 1986 XII to 1996 IV.
Mouthoumet	Languedoc-Rousillon, France	MTHF	42 56 19N	2 32 02E	620		From 1989 I.
Moxa	Thüringen, Germany	MOX	50 39 52.8N	11 36 56.3E	455		
Moxie City	Washington, USA	MXC	46 34 38N	120 17 35W	540		
Moyori	Tokachi, Hokkaidō, Japan	MYR	42 17 30.6N	143 17 01.5E	80		From 1971XI 03.
Moyuta	Guatemala	MYT	14 02 49.2N	90 03 51.0W	1325		From 1983 X.
Mtatiminda	Gruziya, CIS	MTA	41 42N	44 48E	510		*Closed*. Tiflis 2. From 1967 to 1978.
Mucha	Taiwan, China	TWA	24 58 49.1N	121 35 01.2E	260		Chihnankung. From 1972 VIII 29 to 1983 VIII 12.
Mudanjiang	Jilin (Kirin), China	MDJ	44 36 59N	129 35 31E	250		
Mudaysisat	Jordan	MDSJ	31 37 55.2N	36 15 07.2E	970		From 1985 XII 20.
Mud Lake	Idaho, USA	MUDI	43 37 07.9N	111 04 37.4W	2124		From 1986 I.
Muduarah	Jordan	MDRJ	29 25 19.2N	35 49 12.0E	900		From 1990 IV 26.
Muduarah	Jordan	MUDJ	29 25 19.2N	35 49 12.0E	900		
Mudurnu	Turkey	MDU	40 27 55.2N	31 12 52.2E	740		From 1995 XII 21.
Mudurnu	Turkey	MUT	40 27 52.9N	31 12 42.8E	960		*Closed*. From 1979 I.
Mud Volcano	Wyoming, USA	MVW	44 37 21N	110 26 30W	2415		From 1972 X.
Muenster		MWG	*See* Münster				
Muharraq	Bahrain	BMU	26 14 06N	50 39 36E			
Mukaiyama		SEN	*See* Sendai				
Mukerian	Punjab, India	MUK	31 57N	75 37E			*Closed*.
Mullan	Idaho, USA	MUL	47 27 42N	115 46 54W	1300		From 1968.
Mull of Kintyre	Scotland, UK	GMK	55 20 45.2N	5 35 37.0W	160		From 1989.
Mulungwishi	Zaïre	MLN	10 47 00S	26 37 30E	1200		*Closed*. From 1970 XI 30 to 1976.
Mummy Mountain	Arizona, USA	MMA	33 33 16.0N	111 57 28.6W	426		*Closed*. From 1971 V 17 to 1973 I 18.
Munchique	Colombia	MUNC	2 28 09.4N	76 57 24.8W	3007		From 1994.
Muncho Lake	British Columbia, Canada	MUB	58 57 18N	125 45 24W	1100		
Mundaring	Western Australia, Australia	MUN	31 58 42S	116 12 30E	253	WWSSN	From 1959 VII 31.
Munich	Bayern, Germany	MNH	48 09N	11 36E	528		*Closed*. From 1905 to 1943.
Munro College		MCJ	*See* Malvern				
Münster	Nordrhein-Westfalen, Germany	MWG	51 57 45.7N	7 37 26.9E	58		Muenster Westphalia.
Muntele Roşu	Romania	MLR	45 29 28.3N	25 56 44.2E	1378		Cheia−Muntele Roşu. Coordinates corrected Sept 1998.
		MLR					
Murafatepe	Turkey	MRFT	40 30 13N	33 27 17E	1500		*Closed*. From 1992 to 1992 VII.
Murefte	Turkey	MFT	40 47 12.0N	27 16 52.5E	924		From 1978 X.
Murgab	Tadzhikistan, CIS	MUR	38 22N	73 56E	3800		*Closed*.
Muroran	Iburi, Hokkaidō, Japan	MRR	42 18 36N	140 58 54E	43		From 1923VI.
Muroran 2	Iburi, Hokkaidō, Japan	MRRJ	42 25 30N	141 04 18E	−15		
Muroto Misaki	Kōchi, Shikoku, Japan	MRMJ	33 14 39.7N	134 10 49.9E	10		From 1995V 31.
Murotomisaki	Kōchi, Shikoku, Japan	MRT	33 14 54N	134 10 48E	186		
Murotomisaki 2	Kōchi, Shikoku, Japan	MRT2	33 23 12N	134 08 36E	250		From 1994I 27.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Murphy	North Carolina, USA	MYNC	35 04 26.0N	84 07 40.4W	550		
Murphy Dome	Alaska and Aleutians, USA	MDM	64 57 31.8N	148 13 46.2W	634		From 1990 II 16.
Mushullacta	Ecuador	MUSH	1 42 52.8S	77 50 21.0W	1010		From 1995 X 06.
Muskinabad	Tadzhikistan, CIS	MUS	38 41N	69 36E			*Closed*.
Musomishta		MMB	*See* Musomiste				
Musomiste	Bulgaria	MMB	41 35 21.1N	23 43 40.1E	606		Musomishta Musomišta. From 1983 VIII 01.
Mutribah	Kuwait	MIB	29 48 15.7N	47 20 23.1E	120		
Myndd Eilian	Wales, UK	WME	53 23 47.8N	4 18 12.2W	130		From 1985.
Myrviken	Sweden	MYV	62 56 30N	14 20 48E	345		From 1981 XII 15.
Mys Kozlova	Kamchatskaya Obl., RF, CIS	MKZ	54 33 22N	161 43 48E			
Mys Shipunski	Kamchatskaya Obl., RF, CIS	SPN	53 06N	160 05E			
Mzuzu	Malawi	MZM	11 26 00S	34 01 00E			
N23	Nevada, USA	N23	37 18 04.8N	116 36 58.2W	1838		
Naalehu	Hawaii, Hawaiian Islands	NAA	19 03 48N	155 35 12W	205		*Closed*. From 1958 to 1969 I 01.
Naboro	Fiji	NAF	18 07 13.1S	178 18 02.9E	183		*Closed*. From 1979 X to 1983 IV.
Naches	Washington, USA	NAC	46 44 03.8N	120 49 33.2W	738		
Naden	British Columbia, Canada	NDB	53 57 18N	132 56 30W	686		
Nadi	Fiji	NDF	17 45 25S	177 27 00E	30		Nandi. From 1971 VIII 05.
Nadzab	Papua New Guinea	NADZ	6 34 40.2S	146 42 46.5E	65		
Nagahama	Ehime, Shikoku, Japan	JNA	33 33 24N	132 28 42E	230		
Nagai Island	Alaska and Aleutians, USA	NAGA	54 58 42.0N	160 08 18.0W	305		From 1996 VII.
Nagai Island	Alaska and Aleutians, USA	NGI	55 02 21.6N	160 04 09.0W	240		*Closed*.
Nagano	Nagano, Honshū, Japan	NGN	36 39 36N	138 11 42E	419		
Nagara	Chiba, Honshū, Japan	JCN	35 25 06N	140 12 06E	40		
Nagasaki	Nagasaki, Kyūshū, Japan	NGS	32 43 54N	129 52 12E	24		
Nagasaki 2	Nagasaki, Kyūshū, Japan	NGSJ	32 37 48N	129 48 00E	20		From 1992IV 25.
Nagatsuro	Shizuoka, Honshū, Japan	NGT	34 36 00N	138 50 48E	55		Irozaki Nagaturo.
Nago	Ryūkyū Islands, Japan	NGO	26 35 42N	127 58 24E	7		Moved to NGO1 1987:07:01. From 1974VII.
Nago	Ryūkyū Islands, Japan	NGO1	26 35 24N	127 58 06E	6		From 1987VII 01.
Nagoya	Aichi, Honshū, Japan	NAG	35 09 54N	136 58 06E	56		
Nagpur	Maharashtra, India	NGP	21 09N	79 03E	311		
Naha	Ryūkyū Islands, Japan	NAH	26 13N	127 41E	11		*Closed*. Okinawa Replaced by NAH1. To 1987 II.
Naha	Ryūkyū Islands, Japan	NAH1	26 12 12N	127 41 24E	28		From 1987II.
Nahal Hemdat	Israel	HMDT	32 15 36N	35 31 12E	125		From 1991 V.
Nairobi	Kenya	NAI	1 16 26.2S	36 48 13.2E	1692	WWSSN	From 1963 VI 14.
Nairobi	Kenya	NAKO	1 16 26.2S	36 48 13.2E	1692		
Nakaizu	Yamanashi, Honshū, Japan	JIZ	34 54 46.4N	138 59 48.5E	263		
Nakama	Niigata, Honshū, Japan	JJN	37 06 10.8N	138 09 46.8E	140		
Nakano	Nagano, Honshū, Japan	NNJ	36 44 54.9N	138 23 07.1E	420		*Closed*. From 1968 VII to 1973 III.
Nakanohara	Hiroshima, Honshū, Japan	NKR	34 56 30.7N	132 49 26.6E	391		From 1970XII 18.
Nakanoshima	Ryūkyū Islands, Japan	JNN	29 50 30N	129 52 30E	240		
Nakash	Nemuro, Hokkaidō, Japan	JNK	43 35 07.2N	144 43 08.4E	220		
Nakatsue	Ōita, Kyūshū, Japan	JNU	33 07 18N	130 52 42E	540		
Nakayama Pass	Shiribeshi, Hokkaidō, Japan	NKS	42 49 46.3N	141 00 58.7E	420		*Closed*. From 1977 XI 10 to 1978 VIII 20.
Nake	Ryūkyū Islands, Japan	NKE	28 23N	129 30E			*Closed*. Nase, Naze.
Nake (Tuamotu)	Tuamotu, French Polynesia	NAE	18 25 25S	140 40 08W	2		From 1976.
Nakhichevan'	Azerbaydzhan, CIS	NAK	39 12N	45 24E			*Closed*.
Nakhla	Morocco	NKM	35 26 53N	5 24 36W	158		From 1973 X 01.
Nakhon Sawan	Thailand	NST	15 40 21.6N	100 07 58.8E	34		M. Nakhon Sawan. From 1982 IX.
Nalgonda	Andhra Pradesh, India	NLG	17 04 01N	79 16 02E	220		From 1974 IV.
Nallihan	Turkey	NAL	40 12 34N	31 18 33E	1390		Coordinates corrected Oct 1994. From 1991.
Namangan	Uzbekistan, CIS	NAM	40 59N	71 40E			*Closed*.
Namatanai	Papua New Guinea	NAMA	3 39 55.1S	152 26 29.8E	5		From 1997 X 24.
Namosi	Fiji	NMS	18 05 03S	178 09 54E	534		From 1979 X.
Nampula	Mozambique	NPA	15 05 15S	39 15 12E	374		From 1974 II 10.
Namsos	Norway	NSS	64 31 48.0N	11 58 01.2E	102		From 1987 II.
Ñaña	Peru	NNA	11 59 14.3S	76 50 31.9W	575	WWSSN	
Nanahuazin	El Salvador	NANS	13 42 54N	89 30 33W	1160		
Nanaimo	British Columbia, Canada	NAB	49 13 21N	124 00 13W	256		From 1982 III 23.
Nanjing	Jiangsu (Kiangsu), China	NAN	32 03 48N	118 47 00E	10		*NJI**Closed*. Peichiko, Nan−ching.
Nanjing	Jiangsu (Kiangsu), China	NJ2	32 03 06N	118 51 16E	45		
Nankipoo	Tennessee, USA	NKT	35 51 00.0N	89 33 14.4W	153		*Closed*. From 1974 VI 26 to 1992 II.
Nantucket	Massachusetts, USA	NMA	41 17 41N	70 01 34W	3		*Closed*. To 1999 I.
Nanutarra	Western Australia, Australia	NANU	22 33 43S	115 31 44E	80		*Closed*. From 1987 X 22 to 1995 II 28.
Nanutarra	Western Australia, Australia	NAU	22 32 39S	115 30 00E	80		From 1980 IV 19 to 1987 X 21.
Napay	Uzbekistan, CIS	NAP	41 43N	70 07E			*Closed*. Napai.
Napier	North Island, New Zealand	NPR	39 30S	176 55E	10		*Closed*. From 1953 to 1955.
Naples	Italy	NPL	40 50 48N	14 15 28E	7		*Closed*. Napoli.
Nara	Nara, Honshū, Japan	NAR	34 41 30N	135 49 54E	105		
Narrogin	Western Australia, Australia	NWA	32 55 37.2S	117 14 02.4E	365		From 1976 II 13.
Narrogin (SRO)	Western Australia, Australia	NWAO	32 55 37.2S	117 14 02.4E	265		From 1976 II 13.
Narrows	Virginia, USA	NAV	37 19 00N	80 47 35W	610		From 1968 to 1968 from 1977 X.
Naryn	Kirgiziya, CIS	NRN	41 26N	76 00E	2849		
Nasa	Ecuador	NAS1	0 38 00.6S	78 28 39.0W	3880		Coordinates corrected Sept 1998. From 1993 XI
		NAS1					24.
Nasa Cotopaxi	Ecuador	NCE	0 39 40S	78 29 50W	3821		*Closed*. From 1977 to 1982.
Nasa Mt.	Nevada, USA	NMN	37 05 51N	116 49 05W	1500		From 1978 XI 28.
Nasaqa	Fiji	NAS	16 32 12S	179 17 48E	85		*Closed*. From 1964 to 1969.
Nase, Naze		NKE	*See* Nake				
Näsudden	Sweden	NSD	65 11 43.8N	18 49 24.6E			From 1991.
Natal	Rio Grande do Norte, Brazil	NAT	5 52 40.1S	35 17 04.2W	50	WWSSN	*Closed*.
Natchez Trace	Tennessee, USA	NATN	35 51 21.6N	88 14 24.0W	198		*Closed*. Natchez Trace State Park. From 1985 III
		NATN					27 to 1987 V 06.
Nathian	Pakistan	NTP	34 19 37.8N	72 23 09.0E	686		
National Guard	Hawaii, Hawaiian Islands	NGH	19 42 07.2N	155 01 43.2W	18		
National Naval Medical Center		NHB	*See* Bethesda				
Natividade	Brazil	NATB	21 03 18.0S	42 00 14.4W			
Natural Bridge	Wyoming, USA	YNB	44 31 28.2N	110 27 33.5W	2390		
Natytchevo	Kamchatskaya Obl., RF, CIS	NLC	53 10 16N	159 20 42E			
Nausori Hi.	Fiji	NHF	17 48 30S	177 35 48E	518		*Closed*. Nausori Highlands. From 1964 to 1969.
Naval Ordinance Laboratory		NLM	*See* Maryland				
Naval Research Laboratory		NRL	*See* Washington				
Navarro Ridge	California, USA	GNAM	39 11 51N	123 37 51W	344		
Naze	Ryūkyū Islands, Japan	NZJ	28 22 36N	129 29 54E	4		From 1973IV 01.
Nazlini	Arizona, USA	NL−	35 54 05N	109 34 10W	1768		*Closed*. From 1964 III 31 to 1965 I 25.
Nazlini	Arizona, USA	NL2	35 48 25N	109 37 43W	1920		From 1965 II 10 to 1965 X 04.
NE04		WIT	*See* Witteveen				
NE06		DOU	*See* Dourbes				
NE07		VDM	*See* Villiers−Adam				
NE16		CFF	*See* Clermont Ferrand				
NE17		TOL	*See* Toledo				

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
NE18		RJF	*See* Les Réjaudoux				
Neah Bay	Washington, USA	NBW	48 24N	124 42W			*Closed*.
Neápolis	Crete, Greece	NPS	35 15 45N	25 36 45E	370		From 1973 VII.
Near Lassiter	Tennessee, USA	DY5	36 19 28.8N	89 21 43.7W	134		*Closed*. Lassiter. From 1970 to 1972.
Near Sharaf	Saudi Arabia	MATS	28 42 50N	35 04 48E			*Closed*. From 1993 VII.
Nedlands	Western Australia, Australia	NDA	31 58 30S	115 49 00E	8		
Needles	California, USA	ND−	34 35 57N	115 33 05W	366		*Closed*. From 1963 IV 17 to 1963 VI 07.
Needles	California, USA	NEE	34 49 22.8N	114 35 45.6W			From 1993 IV 16.
Negi	Italy	NEGI	43 50 51.6N	7 42 13.8E	640		Negi−Perinaldo. From 1996 III.
Neicheng	Taiwan, China	TWE	24 43 15.9N	121 40 01.2E	20		From 1975 VII 18.
Neifu	Taiwan, China	TWZ	25 05 49.2N	121 34 44.4E	280		Neihu. From 1975 I 18 to 1983 XI 11.
Neipperg	Baden-Württemberg, Germany	NEI	49 06 30N	9 02 30E	268		
Nelchina	Alaska and Aleutians, USA	NCA	61 59 37.2N	146 49 27.0W	741		From 1986 VII 17.
Nelson	Nevada, USA	NEL	35 42 44N	114 50 37W	1000		From 1963 X to 1981.
Nelson Butte	Washington, USA	NLW	48 04 41.8N	120 20 17.7W	1490		From 1985 V.
Nelyaty	Buryatskaya ASSR, RF, CIS	NLY	56 29N	115 41E			From 1979 IV.
Nemuro	Nemuro, Hokkaidō, Japan	NEM	43 19 42N	145 35 24E	26		Moved 1930:01.
Nemuro	Nemuro, Hokkaidō, Japan	NMR	43 22 10.3N	145 43 39.7E	20		Hokkaido University.
Nemuro 2	Nemuro, Hokkaidō, Japan	NEM2	43 22 00N	145 44 36E	16		From 1992XII 16.
Nenana	Alaska and Aleutians, USA	NEA	64 34 37.8N	149 04 37.8W	364		From 1971 X 01.
Neochorion	Greece	VNE	39 18 42.9N	23 13 55.9E	692		From 1982 X.
Neokhóri	Greece	NEO	39 18 24.0N	23 13 24.6E	500		From 1988.
Neuchâtel	Switzerland	NEC	47 00 22.8N	6 56 55.2E	600		From 1980 VI.
Neuchâtel	Switzerland	NEU	46 59 50.4N	6 57 26.4E	487		*Closed*. From 1911.
Neumayer	Dronning Maud Land, Antarctica	VNA VNA	70 35 59S	8 21 44W	40		*Closed*. Georg von Neumayer. Position updated in Jan 1989. To 1992 III.
Neumayer Olymp	Dronning Maud Land, Antarctica	VNA3 VNA3	71 14 35.2S	9 40 13.4W	480		
Neumayer Stn	Dronning Maud Land, Antarctica	VNA1 VNA1	70 39 46.5S	8 15 19.8W	40		Neumayer Station. From 1992 III.
Neumayer Watz.	Dronning Maud Land, Antarctica	VNA2 VNA2	70 55 32.9S	7 23 31.6W	350		Neumayer Watzmann.
Nevada Test Ar.	Nevada, USA	NTA	37 16 42N	116 26 12W	1996		Nevada Test Site Array.
Nevado Cumbal	Colombia	CUMC	0 57 38.4N	77 52 20.4W	3950		Nevado de Cumbal. From 1989.
Nevrokopi	Greece	NVR	41 21 00N	23 51 43E	595		From 1997.
New Alisa	Egypt	ANAL	23 24 36.0N	32 40 40.8E			
Newark	Delaware, USA	NED	39 42 15.2N	75 42 29.5W	47		From 1970 XI 19.
Newberry Crater	Oregon, USA	NCOR	43 42 14.4N	121 08 18.0W	1908		From 1987 IX.
New Castle	Jamaica	NCJ	18 04 30.0N	76 43 08.4W	1142		
Newcastle	Natal, South Africa	NWL	27 43 14.5S	29 57 11.2E	1332		
Newcastle Ridge	British Columbia, Canada	NCRB	50 24 12.6N	126 03 19.1W	1293		
New Delhi	Delhi, India	NDI	28 41N	77 13E	230	WWSSN	Delhi. From 1960 X.
New Goldendale	Washington, USA	GL2	45 57 35.0N	120 49 22.5W	1000		
New Haven	Connecticut, USA	NHC	41 19N	72 54W	11		*Closed*. Yale. From 1925.
New Haven	Illinois, USA	NHIL	37 55 37N	88 10 15W	134		*Closed*. To 1993 VI.
New Hogan Res.	California, USA	MNHM	38 08 44.9N	120 48 49.3W	219		New Hogan Reservoir. From 1977 III.
New Kensington	Pennsylvania, USA	NKP	40 33 35N	79 45 15W	251		*Closed*. From 1939 to 1959.
New Madrid	Missouri, USA	NMD	36 34 30N	89 28 55W	92		
New Madrid	Missouri, USA	NMM	36 35 27.6N	89 31 41.4W			*Closed*. From 1967 XI to 1969 XI.
New Madrid	Missouri, USA	NMMO	36 35 16.8N	89 33 07.2W	90		
New Mexico Hi.	New Mexico, USA	NMH	35 36 15.0N	105 10 10.8W	2026		New Mexico Highlands. From 1977 X 15.
New Mirpur		MNL	*See* Mangla				
New Orleans	Louisiana, USA	NOL NOL	29 56 54N	90 07 12W	2		Loyola Loyola University of the South. From 1910.
New Plymouth	North Island, New Zealand	NPZ	39 04 00S	174 04 24E	34		*Closed*. From 1931 VIII to 1958.
Newport	Washington, USA	NEW	48 15 48N	117 07 12W	760		From 1966 VI to 1987 XI 03 from 1989 X 06.
New Reactor	Idaho, USA	NPRI	43 35 51.0N	112 49 37.8W	1513		New Production Reactor. From 1990 VIII 14.
New River	California, USA	NW2	33 05 25.8N	115 41 32.3W	−68		From 1976 XII.
New Salem	Texas, USA	NSLM	31 58 30.0N	94 57 28.8W			
Newton	Massachusetts, USA	BCX	42 20 06.0N	71 10 13.8W	200		
Ngariki Road	North Island, New Zealand	NRZ	39 20 15S	173 55 59E	250		From 1991 II.
Ngau Island	Fiji	GAU	18 04 54.1S	179 19 46.6E	286		*Closed*. Formerly Gau I. From 1978 V.
Ngauruhoe	North Island, New Zealand	NGZ NGZ	39 10 37S	175 36 04E	806		Correction to coordinates Mar 1993. From 1976 VII.
Ngoundere	Cameroon	NGC	7 15 42N	13 34 06E	1100		From 1982 II.
Nha−Trang	Vietnam	NHA	12 12 36N	109 12 42E	5	WWSSN	From 1957 VI.
Niagara	Wisconsin, USA	NG− NG−	45 45 27N	88 08 57W	396		*Closed*. From 1961 XI 19 to 1962 V 26 from 1962 X 13 to 1963 VI 14.
Nibetsu	Akita, Honshū, Japan	NIB	39 48 12N	140 16 06E	243		
Nicholson Point	Northwest Territories, Canada	NPT	69 55 37.8N	128 57 47.1W	60		From 1981 VIII 08.
Nicolai Mountain	Oregon, USA	NLO	46 05 18N	123 27 00W	900		
Nicosia	Cyprus	NIC	35 09 23N	33 20 42E	166		*Closed*.
Nicoya	Costa Rica	AR8	10 11 33N	85 31 14W	511		*Closed*.
Niedzica	Poland	NIE	49 25 08.0N	20 18 47.2E	649		
Niigata	Niigata, Honshū, Japan	NII	37 54 36N	139 03 06E	3		
Niigata 2	Niigata, Honshū, Japan	NIIJ	37 14 24N	139 00 06E	31		Niigata outpost. From 1978.
Niihama	Ehime, Shikoku, Japan	NHM	33 57N	133 15E			*Closed*.
Nii jima	Bonin Islands, Japan	NJJ	34 22N	139 15E	50		*Closed*. Nii−shima.
Nii jima 2	Bonin Islands, Japan	NJJJ	34 24N	139 17E	180		Nii shima 2. From 1988 I 01.
Nii−shima		NJJ	*See* Nii jima				
Nii shima 2		NJJJ	*See* Nii jima 2				
Níjar	Spain	ENIJ	36 58 18N	2 12 25W	440		Correction to coordinates 1987. From 1985 IV.
Nikishka	Alaska and Aleutians, USA	NKA	60 44 35N	151 14 17W	100		From 1971 IX 10.
Nikolayevsk	Khabarovskiy Kray, RF, CIS	NKL	53 08N	140 44E			Nikolayevsk−na−Amure.
Nikolski	Alaska and Aleutians, USA	NIK	52 58 27.5N	168 51 10.8W	207		From 1971 V 17.
Nikolski	Alaska and Aleutians, USA	NKI	52 56 33.4N	168 51 26.5W	8		*Closed*. To 1985 II 26.
Nikolskoe		BKI	*See* Bering				
Nikšić	Montenegro	NKY	42 48 46.3N	18 59 53.4E	1142		From 1983 XII 25.
Nilore	Pakistan	NIL	33 39 00N	73 15 06E	536	WWSSN	*Closed*. From 1969 VI 01 to 1987 V.
Nine Mile Canyon	California, USA	NMC	35 50 38.4N	117 54 26.2W	1080		
Nine Mile Canyon	California, USA	WNMM	35 50 34.2N	117 54 17.4W	951		MNLO code WNM.
Ninemile Creek	Montana, USA	NCM	47 10 48.6N	114 33 57.0W	1183		From 1983 VI 15.
Ninemile Divide	Montana, USA	NDMT	47 16 08.4N	114 47 55.8W	1917		
Niniconang	Sulawesi, Indonesia	NINI	4 25 21S	119 45 23E	1463		
Ninilchik	Alaska and Aleutians, USA	NNL	60 02 31.8N	151 17 46.8W	366		From 1972 VIII 24.
Ninilchik One	Alaska and Aleutians, USA	NIN	60 00 40N	151 32 08W	110		*Closed*. From 1971 VIII 28 to 1972 VIII 24.
Niobrara River	Nebraska, USA	NR−	42 49 11N	101 42 04W	975		*Closed*.
Nissan Is	New Britain	NIS	4 31 48S	154 14 10E	10		From 1971 VIII 01.
Niue	Cook Islands	NUE	19 04 35S	169 55 41W	56		From 1973 IV 15.
Niukaw	Gifu, Honshū, Japan	JGN	36 13 23.4N	137 18 55.2E	775		
Niumate	Tonga	NIU	21 09 36S	175 17 24W	15		*Closed*.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Nizh Angarsk	Buryatskaya ASSR, RF, CIS	NIZ	55 47N	109 33E			
Nobeoka	Miyazaki, Kyū shū, Japan	NOB	32 34 42N	131 39 36E	20		
Noboribetsu	Iburi, Hokkaidō, Japan	JNB	42 28 07.2N	141 02 18.0E	110		
Nome	Alaska and Aleutians, USA	ANM	64 33 55.8N	165 22 18.0W	330		Anvil Mountain.
Nome	Alaska and Aleutians, USA	NOM	64 33 42N	165 23 12W			*Closed*.
Nongplab	Thailand	NNT	12 35 23.4N	99 44 01.8E	106		From 1982 XI.
Nongstoin	Meghalaya, India	NGNA	25 31 18.0N	91 16 19.2E			
Nonsavu	Fiji	MSVF	17 43 59.9S	178 03 00E			From 1994 V 24.
Nopah Range	California, USA	NOP	36 07 41N	116 09 10W	970		From 1978 VII 24.
N. Oquirrh Mts.	Utah, USA	NOQ	40 39 09.0N	112 07 13.2W	1622		
Noranda	Missouri, USA	NRMS	36 29 13.2N	89 35 16.8W	88		
Nord	Greenland	NOR	81 36N	16 41W	36	WWSSN	*Closed*. Stattnord Moved to *DAG*. From 1957 to
		NOR					1972 IV 22.
Nördlingen	Bayern, Germany	NRD	48 51N	10 29E	432		*Closed*. From 1912 to 1931.
Nordman	Idaho, USA	NTI	48 37 48N	116 57 48W	823		*Closed*. From 1967 VIII 27 to 1975 XII 08.
NORESS Array	Norway	NORES	60 44 07.1N	11 32 29.0E	302		NORESS Array Beam Reference Point.
NORESS Array	Norway	NRA0	60 44 07.1N	11 32 29.0E	302		From 1984 X.
NORESS Array	Norway	NRA1	60 44 11.8N	11 32 32.3E	291		From 1984 X.
NORESS Array	Norway	NRA2	60 44 03.8N	11 32 36.2E	311		From 1984 X.
NORESS Array	Norway	NRA3	60 44 06.0N	11 32 19.7E	296		From 1984 X.
NORESS Array	Norway	NRB1	60 44 17.5N	11 32 33.7E	299		From 1984 X.
NORESS Array	Norway	NRB2	60 44 08.2N	11 32 51.0E	315		From 1984 X.
NORESS Array	Norway	NRB3	60 43 57.4N	11 32 38.4E	314		From 1984 X.
NORESS Array	Norway	NRB4	60 43 59.9N	11 32 13.9E	299		From 1984 X.
NORESS Array	Norway	NRB5	60 44 12.5N	11 32 11.0E	289		From 1984 X.
NORESS Array	Norway	NRC1	60 44 29.4N	11 32 36.2E	299		From 1984 X.
NORESS Array	Norway	NRC2	60 44 18.2N	11 33 09.0E	339		From 1984 X.
NORESS Array	Norway	NRC3	60 43 59.5N	11 33 11.9E	352		From 1984 X.
NORESS Array	Norway	NRC4	60 43 45.8N	11 32 42.7E	311		From 1984 X.
NORESS Array	Norway	NRC5	60 43 48.7N	11 32 02.8E	299		From 1984 X.
NORESS Array	Norway	NRC6	60 44 05.6N	11 31 43.7E	303		From 1984 X.
NORESS Array	Norway	NRC7	60 44 24.7N	11 31 59.5E	275		From 1984 X.
NORESS Array	Norway	NRD1	60 44 55.0N	11 32 41.6E	305		From 1984 X.
NORESS Array	Norway	NRD2	60 44 39.8N	11 33 41.8E	372		From 1984 X.
NORESS Array	Norway	NRD3	60 44 09.6N	11 34 08.0E	453		From 1984 X.
NORESS Array	Norway	NRD4	60 43 37.9N	11 33 47.9E	379		From 1984 X.
NORESS Array	Norway	NRD5	60 43 30.4N	11 32 51.4E	348		From 1984 X.
NORESS Array	Norway	NRD6	60 43 23.9N	11 31 44.0E	352		From 1984 X.
NORESS Array	Norway	NRD7	60 43 48.7N	11 30 58.3E	337		From 1984 X.
NORESS Array	Norway	NRD8	60 44 20.4N	11 31 00.5E	301		From 1984 X.
NORESS Array	Norway	NRD9	60 44 47.8N	11 31 35.8E	278		From 1984 X.
NORESS Array	Norway	NRE0	60 44 07.1N	11 32 29.4E	247		From 1984 X.
Norfolk Island	Norfolk Island, Australia	NIA	29 02 30S	167 57 36E	130		*Closed*. From 1969 XII to 1977 V 26.
Noril'sk	Krasnoyarskiy Kray, RF, CIS	NRI	69 24N	88 06E	40		
Noril'sk	Krasnoyarskiy Kray, RF, CIS	NRIL	69 30 17N	88 26 29E	92		
Noril'sk	Krasnoyarskiy Kray, RF, CIS	NRIS	69 00 22N	87 59 47E	498		
Norman	Oklahoma, USA	NMO	35 12 20.2N	97 26 38.4W	354		*Closed*. From 1975 to 1976 IX.
Norris Junction	Wyoming, USA	NJW	44 43 49.2N	110 41 34.8W	2290		From 1972 X.
NORSAR 1A	Norway	NAO	60 49 25.4N	10 49 56.5E	379		*NA0* From 1971.
NORSAR 1B	Norway	NBO	61 01 50.7N	10 46 38.6E	529		From 1971 IV.
NORSAR 1C	Norway	NCO	61 20 13.4N	10 35 08.2E	974		*Closed*. From 1971 IV to 1976 X.
NORSAR 2B	Norway	NB2	61 02 23.0N	11 12 53.1E	717		From 1971 IV.
NORSAR 2C	Norway	NC2	61 16 50.4N	10 50 07.4E	847		From 1971 IV.
NORSAR 3B	Norway	NB3	60 54 46.8N	11 16 10.5E	529		*Closed*. From 1971 IV to 1976 X.
NORSAR 3C	Norway	NC3	61 15 42.1N	11 24 50.9E	366		From 1971 IV.
NORSAR 4B	Norway	NB4	60 40 25.7N	11 11 17.2E	239		*Closed*. From 1971 IV to 1976 X.
NORSAR 4C	Norway	NC4	61 04 44.6N	11 43 07.9E	522		From 1971 IV.
NORSAR 5B	Norway	NB5	60 37 20.6N	10 50 12.7E	428		*Closed*. From 1971 IV to 1976 X.
NORSAR 5C	Norway	NC5	60 56 48.5N	11 48 01.3E	425		*Closed*. From 1971 IV to 1976 X.
NORSAR 6B	Norway	NB6	60 43 48.1N	10 27 32.1E	630		*Closed*. From 1971 IV to 1976 X.
NORSAR 6C	Norway	NC6	60 44 50.3N	11 27 30.2E	321		From 1971 IV.
NORSAR 7B	Norway	NB7	60 55 11.9N	10 27 56.8E	759		*Closed*. From 1971 IV to 1976 X.
NORSAR 7C	Norway	NC7	60 27 19.2N	11 29 55.6E	221		*Closed*. From 1971 IV to 1976 X.
NORSAR 8C	Norway	NC8	60 28 32.1N	11 05 12.4E	480		*Closed*. From 1971 IV to 1976 X.
NORSAR 9C	Norway	NC9	60 24 33.8N	10 36 13.6E	478		*Closed*. From 1971 IV to 1976 X.
NORSAR Array	Norway	NOA	60 49 25.4N	10 49 56.5E	374		NORSAR Array Beam Reference Point.
NORSAR C	Norway	N10	60 28 10.3N	10 17 59.8E	403		*Closed*. From 1971 to 1976 X 01.
NORSAR C	Norway	N11	60 37 01.6N	10 14 59.0E	242		*Closed*. From 1971 to 1976 X 01.
NORSAR C	Norway	N12	60 46 22.4N	9 59 04.2E	637		*Closed*. From 1971 to 1976 X 01.
NORSAR C	Norway	N13	61 02 59.4N	9 53 10.0E	919		*Closed*. From 1971 to 1976 X 01.
NORSAR C	Norway	N14	61 11 12.9N	10 16 22.6E	492		*Closed*. From 1971 to 1976 X 01.
North	Costa Rica	AR9	10 28 18N	84 43 43W	658		Volcan North. From 1975 VII 13.
North Anna	Virginia, USA	NA11	37 58 59N	77 41 06W			*Closed*.
North Anna	Virginia, USA	NA12	37 59 17.5N	77 52 37.2W	134		Coordinates corrected Sept 1998. From 1978 VIII.
North Anna	Virginia, USA	NA2	38 07 40N	77 44 24.4W			*Closed*. From 1978 X.
North Anna	Virginia, USA	NA5	38 00 39.0N	77 44 11.4W	76		Correction to coordinates Mar 1993. From 1978
		NA5					VIII.
North Anna 1	Virginia, USA	NV1	38 03 42.6N	77 47 13.2W			*Closed*. From 1974 I.
North Anna 2	Virginia, USA	NV2	38 03 46.2N	77 51 01.2W			*Closed*. From 1974 I.
North Anna 3	Virginia, USA	NV3	38 05 54.0N	77 48 33.6W			*Closed*. From 1974 I.
North Anna 4	Virginia, USA	NV4	38 01 36.6N	77 46 51.0W			*Closed*. From 1974 I.
North Anna 5	Virginia, USA	NV5	38 03 13.2N	77 44 11.4W			*Closed*. From 1974 I.
North Anna 6	Virginia, USA	NV6	38 05 28.8N	77 46 41.4W			*Closed*. From 1974 I.
North Anna 7	Virginia, USA	NV7	38 01 21.6N	77 51 25.2W			*Closed*. From 1974 I.
North Bay	Hawaii, Hawaiian Islands	NBH	19 29 42N	155 34 48W	1221		*Closed*. From 1964 III 12 to 1968 VII 05.
North Branch	Minnesota, USA	NB−	45 31 58N	92 50 51W	259		*Closed*.
North Capps	Alaska and Aleutians, USA	NCG	61 24 13.2N	152 09 24.0W	1244		North Capps Glacier. From 1989 VIII 07.
North Crescent	Alaska and Aleutians, USA	NCT	60 33 42.0N	152 55 46.8W	1166		From 1988 VIII 14.
North Egmont	North Island, New Zealand	NEZ	39 16 19S	174 05 44E	920		From 1985 IV 17.
N. Antelope I.	Utah, USA	NAIU	41 00 58.2N	112 13 40.8W	1472		Northern Antelope Island. From 1991 XI 13.
N. Marianas Coll.	Mariana Islands	NMCC	15 09 00.0N	145 42 57.6E	100		Northern Marianas College. From 1992 V.
Northfield	Vermont, USA	NRT	44 10N	72 41W	256		*Closed*.
North Gasline	Alaska and Aleutians, USA	NGL	60 49 15.0N	149 59 53.4W	122		
North Gisborne	North Island, New Zealand	NOZ	38 37 04.8S	178 02 12.0E	60		From 1990 III 05.
North Hampton	South Carolina, USA	NHS	33 04 18N	79 45 20W			*Closed*. From 1974 V 20 to 1980.
North Isle of Man	Isle of Man, UK	GIM	54 17 32.3N	4 28 01.2W	366		From 1989.
North Kanaga	Alaska and Aleutians, USA	AD7	51 54 00N	177 05 24W	244		*Closed*. From 1974 to 1992 II 01.
North Lily	Utah, USA	NLU	39 57 17.4N	112 04 30.0W	2036		
North Marawa	Egypt	ANMR	23 40 37.2N	32 32 32.4E			
North Mineral	Utah, USA	NMUT	38 30 59.4N	112 51 00.0W	1853		From 1987 X.
North−of−Casa	California, USA	NOCG	37 41 15.0N	118 55 08.4W	2475		From 1984 VII.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
N Pahroc Range	Nevada, USA	NPN	37 39 10N	114 56 13W	1650		
N Pahute Mesa	Nevada, USA	NPM	37 23 02N	116 19 23W	2250		From 1975 IX.
North Pit	Hawaii, Hawaiian Islands	NPH	19 24 54N	155 17 00W	1115		From 1958 VII.
North Pole	Northwest Territories, Canada	NP−	76 15 08N	119 22 18W	59		*Closed*.
N Rainier Mesa	Nevada, USA	NRM	37 16 28N	116 12 20W	2210		*Closed*. From 1975 IX to 1981.
North Reno	Nevada, USA	NRR	39 34 19.2N	119 50 56.4W	1634		From 1964 IV 09.
North River	Alaska and Aleutians, USA	NRA	63 53 30.5N	160 30 51.5W	105		*Closed*. From 1976 VIII to 1978 VIII.
North Stansbury	Utah, USA	NSU	40 54 29.4N	112 30 21.6W	1422		From 1976 X.
N Stonington	Connecticut, USA	NSC	41 28 50.5N	71 51 05.8W	110		*Closed*. North Stonington. From 1977 VI 27 to
		NSC					1999 I.
North Tanaga	Alaska and Aleutians, USA	AK0	51 46 44.4N	176 52 48.0W	152		*Closed*. Moved to AK5.
North Tanaga	Alaska and Aleutians, USA	AK3	51 48 24N	177 49 12W	350		*Closed*. Formerly AT3. From 1976 X to 1992 II 01.
North Tanaga	Alaska and Aleutians, USA	AK5	51 48 14.4N	176 53 31.2W	0		*Closed*. To 1992 II 01.
North Tanaga	Alaska and Aleutians, USA	AT3	51 48 24N	177 49 12W	350		*Closed*. From 1975 to 1976 X.
Norton	Kansas, USA	NNK	39 56 10.8N	100 02 30.0W	732		*Closed*. From 1979 III to 1981.
Nouméa	New Caledonia	NOC	22 17 02S	166 25 55E	5		*Closed*. Correction to coordinates Mar 1994.
		NOC					From 1986 XII 09 to 1987 X 27.
Nouméa	New Caledonia	NOU	22 18 36S	166 27 02E	105		From 1960 I 01.
Novara	Sicily, Italy	NOV	38 01 40N	15 08 12E	775		
N'lazarevskaya	Dronning Maud Land,	NVL	70 46S	11 50E	87		Novolazarevskaya.
	Antarctica	NVL					
Novosibirsk	Novosibirskaya Obl., RF, CIS	NVS	54 50 25.4N	83 14 04.6E	150		
Nový Kostel	Czech Republic	NKC	50 13 58.8N	12 26 52.8E			
N Pocatello V.	Idaho, USA	NPI	42 08 50.4N	112 31 06.0W	1640		North Pocatello Valley. From 1975 IV.
NRDS	Nevada, USA	ADM	36 46 10.8N	116 17 07.2W	1033		*Closed*. From 1965 to 1970.
Nsakai	Nagano, Honshū, Japan	JNG	36 24 24N	138 06 00E	930		
Nuabosi	Flores, Indonesia	NUA					*Closed*.
N. Concepción	El Salvador	NCS	14 06 05.4N	89 10 46.2W	290		*Closed*. Nueva Concepción.
Nuku'alofa	Tonga	NUK	21 07 55.2S	175 12 25.2W	10		From 1983 IX 05.
Numazu	Shizuoka, Honshū, Japan	NUM	35 06N	138 51E	6		*Closed*. Numadu.
Nunatak	Alaska and Aleutians, USA	NTK	59 52 39.6N	139 02 06.6W	1050		*Closed*. From 1974 IX 09 to 1975 X 31.
Nurata	Uzbekistan, CIS	NUT	40 33N	65 41E			
Nurek	Tadzhikistan, CIS	NRK	38 24N	69 20E			*Closed*.
Nurmijarvi	Finland	NUR	60 30 32.4N	24 39 05.1E	102	WWSSN	From 1957.
Nuxco	Guerrero, México	NUXM	17 12 39.0N	100 45 16.8W	80		
N Woods Club	New York, USA	NWC	43 50 42.0N	74 09 00.6W			From 1986 X.
Nyala	Sudan	NYA	12 02 51N	24 54 08E	651		*Closed*. From 1980 IV 17 to 1982.
Nyeri	Kenya	NYRK	0 25 44.4S	36 56 13.2E	1902		*Closed*. From 1997 IV to 1997 IX.
Nyköping	Sweden	NYK	58 55 26.4N	17 05 27.6E	33		From 1980 I.
N'Zilo		DCC	*See* Delcommune				
Oahu Island	Hawaii, Hawaiian Islands	OA−	21 27 27N	157 59 47W	183		*Closed*. From 1962 III 30 to 1962 VIII 03 from 1962
		OA−					IX 29 to 1962 XI 05.
Oakfield	New York, USA	OAK	43 03 25.2N	78 20 13.8W	259		*Closed*. From 1971 IX to 1974 XI.
Oak Flat	California, USA	WOFM	35 32 08.4N	118 42 45.0W	1341		
Oak Grove	Tennessee, USA	OKG	35 37 33.6N	89 50 06.0W	129		*Closed*. From 1975 VI 27 to 1992 II.
Oak Harbor	Washington, USA	OHW	48 19 24.0N	122 31 54.6W	54		From 1975 V 16.
Oakhill	New Hampshire, USA	ONH	43 16 45N	71 30 20W	280		Oakhill (Concord). From 1975 XII.
Oak Ridge		HRV	*See* Harvard				
Oak Ridge	Tennessee, USA	ORT	35 54 34.2N	84 18 17.4W	370		From 1967 VI.
Oamaru	South Island, New Zealand	OMZ	45 04 14S	170 54 53E	95		*Closed*. From 1969 X 16 to 1990 VII 31.
Oasis	Antofagasta, Chile	OAS	23 12 02S	69 42 50W	1340		
Oasis−Bungera	Queen Mary Land, Antarctica	OBA	66 10S	100 44E	24		*Closed*.
Oaxaca	Oaxaca, México	AZO	17 57 57.6N	97 24 28.8W			
Oaxaca	Oaxaca, México	GUO	16 05 55.2N	97 03 39.6W	244		
Oaxaca	Oaxaca, México	LAGM	16 06 15.0N	97 04 40.2W	201		
Oaxaca	Oaxaca, México	OAX	17 01 13N	96 45 46W	1570		
Oaxaca	Oaxaca, México	OXX	17 04 54N	96 43 24W	1730		From 1984.
Oaxaca	Oaxaca, México	PXO	15 44 52.2N	96 18 10.8W	25		
Oaxaca	Oaxaca, México	YOO	17 45 00N	97 49 30W	1600		
Oban	Stewart Island, New Zealand	OBZ	46 54 18S	168 06 55E	26		From 1976 IX 17.
Obara	Gifu, Honshū, Japan	JAO	35 16 00N	137 15 30E	600		
Obergurgl	Austria	OGA	46 52 04N	11 01 31E	1934		From 1975 IX.
Oberlin	Kansas, USA	OBK	39 55 43.8N	100 26 19.8W	792		*Closed*. From 1979 III to 1981.
Obi Garm	Tadzhikistan, CIS	OBG	38 43N	69 43E	1350		*Closed*.
Obihiro	Tokachi, Hokkaidō, Japan	OBI	42 55 12N	143 13 00E	39		
Obihiro City		IWN	*See* Iwanai				
Obir	Austria	OBKA	46 30 33.0N	14 32 56.0E	1074		
Obninsk	Kaluzhskaya Obl., RF, CIS	OBN	55 10N	36 36E			Central observatory near Moscow.
Obock	Djibouti	OBO	11 59 07.2N	43 17 30.0E	40		From 1973 VI.
Obsidian Butte	California, USA	OBB	33 10 02.4N	115 38 12.0W	−59		From 1973 IV 16.
O'Byrne Ferry	California, USA	MOYM	37 54 00.0N	120 34 02.3W	176		From 1972 IV 19.
Ocean Bottom Seismometer		OBS	*See* Lamont Out−Stn				
Ocean Falls	British Columbia, Canada	OFB	52 21 10.8N	127 41 24.0W	75		
Oceanview	South Carolina, USA	VEW	32 43 03.6N	79 56 29.4W	3		
Ochomogo	Costa Rica	OCM	9 53 41.4N	83 57 39.0W	1660		
O'Connell Ranch	California, USA	OCR	36 55 01.8N	121 30 27.6W	98		*HORM* From 1967 VI 26.
Ocós	Guatemala	OCG	14 33 55.8N	92 07 18.0W	8		*Closed*. Moved to OC2 (1988). From 1984 III to
		OCG					1988.
Ocós 2	Guatemala	OC2	14 33 37.8N	92 11 10.3W	5		Correction to longitude Jul 1992. From 1986 VII.
Ocozocoautla	Chiapas, México	OZC	16 47 06.0N	93 22 22.8W	864		
Octopus Mt	Washington, USA	OCWA	47 44 56.1N	124 10 41.1W	671		Octopus Mountain.
Octopus West	Washington, USA	OOW	47 44 12N	124 11 22W	743		
Oda	Shimane, Honshū, Japan	JJO	35 10 06N	132 30 12E	60		
Odare	Nepal	ODAN	26 51 36N	87 23 24E	2045		From 1994 IV.
Odawara	Kanagawa, Honshū, Japan	JOD	35 15 53.4N	139 05 27.0E	360		*Closed*.
Odawara 2	Kanagawa, Honshū, Japan	JOD2	35 15 47.4N	139 05 17.4E	380		
Odda	Norway	ODD	59 57 00.0N	6 40 01.2E	630		*Closed*. From 1984 XI to 1987 XII 02.
Odda	Norway	ODD1	59 54 43.2N	6 37 40.8E	684		From 1987 XII 03.
Odessa	Washington, USA	ODS	47 18 24N	118 44 42W	524		From 1969 III.
Odessa Site 2	Washington, USA	OD2	47 23 27.6N	118 42 39.4W	590		From 1989 VI.
Od Khalfella	Morocco	OKL	32 12 03.6N	9 08 56.4W			
Odobeşti	Romania	ODB	45 46 29N	27 03 22E	140		*Closed*. From 1979 to 1989 I 01.
Office Forêts	Aquitaine, France	ONF	43 05 42.0N	0 42 57.6W			Office National des Forets. From 1985 II.
Oficina Alemania	Antofagasta, Chile	OFA	25 09 09S	69 57 00W	1000		From 1975.
Ofunato	Iwate, Honshū, Japan	OFU	39 03 42N	141 43 06E	37		
Ofunato	Iwate, Honshū, Japan	OFUJ	39 04 48N	141 40 06E	180		Ofunato outpost. From 1978.
Oga	Akita, Honshū, Japan	JOG	39 54 15.6N	139 46 37.2E	270		*Closed*.
Oga	Akita, Honshū, Japan	OGH	39 54 18N	139 46 37E	354		
Oga 2	Akita, Honshū, Japan	JOG2	39 54 50.4N	139 47 33.6E	140		
Ogasawara	Bonin Islands, Japan	OGS	27 03 24.5N	142 12 10.4E	20		From 1992 VI 26.
Ogden Bay	Utah, USA	OGU	41 16 30.0N	111 56 38.3W	1506		*Closed*. From 1975 IX to 1979 V.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Ogdensburg	New Jersey, USA	OGD	41 05 15N	74 35 45W	−367	WWSSN	*Closed*. From 1961 XII 12 to 1981.
Ogeu	Aquitaine, France	OGE	43 10 06.6N	0 28 23.9W	440		Correction to position Nov 1991.
Ogyalla, Stará Dala		HRB	*See* Hurbanovo				
Ohasama	Iwate, Honshū, Japan	JOM	39 28 22.8N	141 17 32.4E	210		
Ohata	Aomori, Honshū, Japan	JOT	41 22 55.2N	141 02 53.4E	80		
O'Higgins	Antarctic Peninsula, Antarctica	OHC	63 19S	57 54W	20		
Ohmine	Nagano, Honshū, Japan	OMJ	36 40 03.7N	138 10 55.1E	506		
Ohrid	Macedonia	OHR	41 06 40.9N	20 47 56.0E	739		From 1969 I.
Oil Point	Alaska and Aleutians, USA	OPT	59 39 10N	153 13 47W	625		
Oio	North Island, New Zealand	OIZ	39 02 48S	175 23 33E	470		From 1992 IX.
Oishiyama	Wakayama, Honshū, Japan	OIS	34 06 19.0N	135 19 38.4E	678		*Closed*. From 1966 I 07 to 1971 XI 04.
Oishiyama (A)	Wakayama, Honshū, Japan	OIA	34 06 11.3N	135 19 12.2E	756		From 1971VIII 10.
Oishiyama (B)	Wakayama, Honshū, Japan	OIB	34 05 59.3N	135 19 15.0E	776		From 1971VIII 10.
Oishiyama (C)	Wakayama, Honshū, Japan	OIC	34 05 56.1N	135 19 00.1E	776		From 1971VIII 10.
Oita	Ōita, Kyūshū, Japan	OIT	33 14 00N	131 37 24E	5		Ooita.
Oita 2	Ōita, Kyūshū, Japan	OIT2	33 16 42N	131 27 06E	400		From 1994VII 07.
Oiwake	Nagano, Honshū, Japan	OIW	36 20 24N	138 33 06E	1001		*Closed*.
Ojców	Poland	OJC	50 13 10.3N	19 47 54.4E	391		From 1992 IV.
Ojén	Spain	OJEN	36 06 00.0N	5 32 13.2W	804		*Closed*.
Ojo de Agua	El Salvador	OJOS	13 51 48N	89 14 12W	645		From 1991 XII.
Okayama	Okayama, Honshū, Japan	OKA	34 40 54N	133 54 54E	5		
Okayama	Okayama, Honshū, Japan	OKA1	34 39 30N	133 55 06E	17		
Okayama 2	Okayama, Honshū, Japan	OKA2	34 38 30N	133 57 06E	77		
Okha	Sakhalinskaya Obl., RF, CIS	OKH	53 33N	142 56E	24		
Okijuku	Ibaraki, Honshū, Japan	OKI	36 03N	140 15E			*Closed*.
Okinawa		NAH	*See* Naha				
Oklahoma City	Oklahoma, USA	OCO	35 31 26.4N	97 28 26.4W	351		From 1982 V 21.
Okuchi	Kagoshima, Kyūshū, Japan	JZO	32 08 24N	130 35 54E	440		
Okura	Yamagata, Honshū, Japan	JOU	38 21 55.8N	140 39 50.4E	390		
Okushiri	Hiyama, Hokkaidō, Japan	OKS	42 03 54N	139 26 36E	35		From 1993VII 15.
Okushj	Hiyama, Hokkaidō, Japan	JOR	42 04 00N	139 26 42E	33		
Okuyama	Yamanashi, Honshū, Japan	OKY	35 13 38.4N	138 25 27.6E	620		Fujigawa. From 1978VI.
Olbia	Sardinia, Italy	OLB	40 55 36N	9 29 44E	5		
Old Faithful	Wyoming, USA	YPOF	44 36 21N	111 06 03W	2260		From 1972 X.
Old Graveyard	Tennessee, USA	OGTN	36 25 12.0N	89 29 09.6W	91		*Closed*. Old Graveyard Slough. To 1993 VI.
Old Woman Plat.	Utah, USA	OWUT	38 46 48.0N	111 25 25.2W	2568		Old Woman Plateau. From 1989 II 08.
Olema	California, USA	NOLM	38 02 22.9N	122 47 33.0W	30		From 1977 II 23.
Olema	California, USA	OLC	38 02 23N	122 47 33W	30		*Closed*. From 1966 XII 22 to 1977 II 23.
Olkaria	Kenya	OLK	0 53 16.8S	36 19 26.4E	1751		*Closed*. From 1995 III to 1996 X.
Olkaria West	Kenya	OLWK	0 50 16.8S	36 15 50.4E	1780		*Closed*. From 1996 X to 1997 IV.
Ollagüe	Tarapacá, Chile	OLL	21 10 30S	68 22 18W	4000		*Closed*. From 1965 XI.
Olofström	Sweden	OLF	56 18 28.8N	14 28 12.0E	118		*Closed*. From 1980 I to 1991.
Olot	Spain	OLT	42 08 39.6N	2 28 27.6E	700		From 1986.
Olympia	Washington, USA	OLW	47 04 22N	122 55 21W	37		From 1986 VIII 02.
Olympics	Washington, USA	OBH	47 19 34.5N	123 51 57.0W	383		Olympics−Burnt Hill.
Olympics−Bonidu	Washington, USA	OBC	48 02 07.1N	124 04 39.0W	938		Olympics−Bonidu Creek. From 1980 VII.
Olympics−Forks	Washington, USA	OFK	47 57 00.0N	124 21 28.1W	134		From 1980 VII.
Olympics−Lake	Washington, USA	OLQ	47 30 58.1N	123 48 31.5W	121		Olympics−Lake Quinault.
Olympics−N R.	Washington, USA	ONR	46 52 37.5N	123 46 16.5W	257		Olympics−North River. From 1980 VII.
Olympics−Salmon	Washington, USA	OSR	47 30 20.3N	123 57 42.0W	815		Olympics−Salmon Ridge. From 1989 IX 13.
Olympics−Snow	Washington, USA	OSD	47 49 15N	123 42 06W	2010		Olympics−Snow Dome.
Olympics−Sooes	Washington, USA	OSP OSP	48 17 05.5N	124 35 23.3W	585		Olympics−Sooes Peak. Added elevation Nov 1990. From 1983 X.
Olympics−Tyee	Washington, USA	OTR	48 05 00N	124 20 39W	712		Olympics−Tyee Ridge.
Olyphant	Arkansas, USA	OLY	35 30 10.8N	91 28 12.0W	236		From 1979 XI 06.
Omae zaki	Shizuoka, Honshū, Japan	OMA	34 36 12N	138 12 48E	45		
Omahuta	North Island, New Zealand	OUZ	35 13 17S	173 35 46E	40		From 1991 III 12.
Omak	Washington, USA	OMW	48 28 49.2N	119 33 39.0W	421		From 1975 VI.
Ometepe	Nicaragua	OME	11 32 15.6N	85 41 01.2W	181		
Omiya	Yamanashi, Honshū, Japan	OOM	35 13N	138 38E			*Closed*.
Omsukchan	Magadanskaya Obl., RF, CIS	OMS	62 32N	155 48E			
Onahama	Fukushima, Honshū, Japan	ONA	36 56 42N	140 54 24E	5		
Onahama 2	Fukushima, Honshū, Japan	ONAJ	37 06 06N	140 47 54E	660		From 1990IV 23.
Onbets	Kushiro, Hokkaidō, Japan	JOB	42 54 12.0N	143 50 04.8E	60		
Oneida	Tennessee, USA	ONTN	36 28 53.4N	84 26 36.0W	635		
Onerahi	North Island, New Zealand	ONE	35 46 33S	174 21 45E	30		*Closed*. Whangarei. From 1954 VIII to 1985 IX 26.
Ongoro	Peru	ONG	15 53 56.5S	72 28 18.0W	880		*Closed*.
Ongul		SYO	*See* Syowa Base				
Oni	Gruziya, CIS	ONI	42 36N	43 30E	800		
Ontario (NY)	New York, USA	ONTR	43 16 25.8N	77 18 24.0W	84		
Onyx Ranch	California, USA	WORM	35 41 47.4N	118 14 31.2W	837		MNLO code WOR.
Ookiep	Cape Province, South Africa	OKP	29 38 48S	17 57 54E	936		*Closed*.
Oologah	Oklahoma, USA	OLO	36 27 26.1N	95 42 38.8W	196		*Closed*. From 1976 XI 28 to 1977 VIII 07.
Ootomari	Sakhalinskaya Obl., RF, CIS	OOT	46 39N	142 46E	36		*Closed*.
Opal Mound	Utah, USA	OPL	38 28 54N	112 52 19W	1766		
Opana	Hawaii, Hawaiian Islands	OPA OPA	21 41 27N	158 00 42W	134		Correction to coordinates Apr 1992. From 1965 IV.
Oran	Buryatskaya ASSR, RF, CIS	ORA	55 54N	113 36E			
Orangeburg	South Carolina, USA	OSB	33 32 50N	80 50 40W	91		From 1977 IV 02.
Orangeburg	South Carolina, USA	OSC	33 32 22.9N	80 49 30.0W			*Closed*.
Orange Hill	St Vincent, WIAS	OHS	13 19 01.2N	61 08 52.8W	274		*Closed*.
Orbe	Switzerland	ORB	46 43N	6 31E			*Closed*. To 1925.
Oregon House	California, USA	AOHM	39 22 31.1N	121 15 21.6W	457		From 1977 II 14.
Órganos	Tlaxcala, México	IIO	19 35 31.2N	98 43 26.4W	2850		
Oriolo Calabro	Italy	ORI	40 03 48.6N	16 26 57.0E	375		*OR1*
Oris−en−Rattier	Rhône-Alpes, France	ORIF	44 55 06N	5 52 48E	1082		From 1996 IV 03.
Örkelljunga	Sweden	ORK	56 16 04.8N	13 15 43.2E	96		*Closed*. From 1980 I to 1991.
Orlando	Florida, USA	OR−	28 28 01N	81 13 17W	20		*Closed*. From 1963 V 14 to 1963 IX 15.
Orleans Mt.	California, USA	KOMM	41 16 43.8N	123 27 07.8W	1181		Orleans Mountain.
Orlik	Buryatskaya ASSR, RF, CIS	ORL	52 30N	99 48E	1360		
Orongorongo T.	North Island, New Zealand	OTW	41 16 39S	176 00 15E	240		Orongorongo Tunnel. From 1992 VII 28.
Oropa	Italy	ORO	45 37 30N	7 58 49E	1162		
Oropa	Italy	ORX	45 37 57N	7 58 54E	1250		Piemonte.
Oroville	California, USA	ORV	39 33 18N	121 30 00W	360		From 1963.
Orsara di Puglia	Italy	FG5	41 16 56N	15 16 09E			
Orti	Italy	OII	38 09 12N	15 41 21E			
Ortiz Mountain	New Mexico, USA	OTZ	35 45 37N	106 10 22W	2091		From 1976 IX 17.
Osaka	Ōsaka, Honshū, Japan	OSA	34 40 42N	135 31 18E	13		
Osaka	Ōsaka, Honshū, Japan	OSK	34 36 42N	135 39 36E	472		Takayasuyama.
Osborn	New York, USA	OSBY	41 21 37N	73 55 26W	212		
Oseberg A	Norway	OSG OSG	60 29 49.2N	2 52 33.6E	−100		Oseberg A Platform. Correction to latitude Sep 1989. From 1988.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Oshima	Bonin Islands, Japan	OSH	34 45 42N	139 22 42E	191		*Closed*. To 1991 XII 18.
Oshima	Bonin Islands, Japan	OSHJ	34 44 48N	139 22 00E	76		From 1991 XII 18.
O shima 2	Bonin Islands, Japan	JIM	34 45 42N	139 22 36E	190		
Osito Adit	California, USA	OSI	34 36 51.8N	118 43 24.6W	706		
Oslo	Norway	OO−	61 03 17N	10 51 58E	555		*Closed*. Replaced by Lillehammer *LHN*.
Osservatorio Vesuviano		OVO	*See* Vesuviano				
Ossining	New York, USA	OSNY	41 12 42N	73 49 42W	122		
Ostrava−Krásné	Czech Republic	OKC	49 50 07N	18 08 32E	250		Ostrava − Krásné Pole. From 1994 I 01.
Ostuacán	Chiapas, México	OSCM	17 24 20N	93 20 05W			
Ostula	Michoacan, México	OSM	18 29 50N	103 28 19W			
Oswego	New York, USA	OSWG	43 31 01.2N	76 24 58.2W	84		
Otahua Downs	South Island, New Zealand	ODZ	45 02 43S	170 38 40E	270		From 1990 VIII 31.
Otama	Fukushima, Honshū, Japan	JFT	37 31 05.4N	140 20 12.0E	350		
Otepa	Tuamotu, French Polynesia	OTP	18 10 03S	140 51 24W	2		From 1976.
Othello	Washington, USA	OT2	46 43 17N	119 14 05W	355		From 1988 XII.
Othello	Washington, USA	OTH	46 44 20.4N	119 12 59.4W	384		From 1969 III.
Otiai	Sakhalinskaya Obl., RF, CIS	OTI	47 20N	142 47E			*Closed*.
Ottawa	Ontario, Canada	OTT	45 23 39N	75 43 00W	77		From 1906.
Ouanaham	Loyalty Islands	OUA	20 46 29S	167 14 38E	29		
Oued Fodda	Algeria	OFD	36 04N	1 36E	377		*Closed*. From 1935 to 1982.
Ouglegorsk		UGL	*See* Uglegorsk				
Oujda	Morocco	OUJ	34 39 25N	1 54 04W	600		
Oukaïmeden	Morocco	OUK	31 12 32N	7 52 05W	2720		
Oulu	Finland	OUL	65 05 07N	25 53 47E	60		
Oum El Arais	Tunisia	OAR	34 31 54.0N	8 23 48.6E	475		
Ouranopolis	Greece	OUR	40 20 04N	23 58 55E	60		From 1981 I 01.
Ouri	Miyagi, Honshū, Japan	JIO	38 27 15.6N	141 20 55.8E	40		
Outingdale	California, USA	AODM	38 36 53.3N	120 43 42.6W	520		From 1976 X 19.
Outlet	Hawaii, Hawaiian Islands	OUT	19 23 22.8N	155 16 56.4W	1038		From 1958 VII.
Ouyaynah		AYN	*See* Al'Uyaynah				
Ovalau	Fiji	OVA	17 41 10.3S	178 47 01.3E	439		From 1979 X.
Ovando	Montana, USA	OVMT	47 03 51.6N	112 59 48.0W	1494		
Ova Spin	Switzerland	OSS	46 41 12.6N	10 08 37.2E	1700		From 1982.
Over Castle Rock	New York, USA	OCN	43 53 05.4N	74 31 45.6W	701		*Closed*. From 1974 VII to 1979 VII.
Overton	Nevada, USA	OVE	36 31 52N	114 26 33W	395		*Closed*. From 1940 VII to 1952 VII.
Owase	Mie, Honshū, Japan	OWA	34 04 00N	136 11 42E	17		
Owens Crossr'ds	Alabama, USA	OCA	34 36 49.7N	86 26 06.7W	250		Owens Crossroads.
Owens River	California, USA	ORC	37 38 07.1N	118 39 21.6W	2301		From 1979 XI.
Owia	St Vincent, WIAS	SOA	13 22 24.5N	61 08 55.0W	40		
Owl Hoot	Tennessee, USA	OHTN	36 09 00N	89 31 12W	82		
Oxenhope Moor	England, UK	OMWY	53 47 27.2N	1 58 47.6W	438		
Oxford	England, UK	OXD	51 46N	1 15W	61		*Closed*.
Oxford (Ms)	Mississippi, USA	OXF	34 30 42.5N	89 24 33.1W	101	WWSSN	*Closed*. From 1963 VIII to 1976 V.
Oxtotitlán	México D.F., México	OXM	19 17 49.8N	99 41 18.0W	2700		*Closed*.
Oyama	Kanagawa, Honshū, Japan	OYM	35 25 12.3N	139 14 34.9E	600		From 1970IV.
Ozernaya	Buryatskaya ASSR, RF, CIS	OZE	56 18N	114 00E			
Pacaya	Guatemala	PCG	14 23 38N	90 36 26W	2100		Correction to coordinates Jul 1992. From 1987
		PCG					III.
Pacheco Lake	California, USA	PCL	37 03 07.8N	121 17 24.0W	152		*AN4***HPLM* Anzar Res 4. From 1968 V 10.
Pacific Creek	Wyoming, USA	PACW	43 54 08.3N	110 29 07.0W	2140		From 1986 I.
Padang Panjang	Sumatera, Indonesia	PPI	0 27 24.6S	100 23 49.2E			
Padova		PAD	*See* Padua				
Padua	Italy	PAD	45 24 31N	11 53 10E	12		*Closed*. Padova.
Paducah	Kentucky, USA	PAKY	37 03 25.2N	88 46 19.2W	76		From 1990 X 01.
Paea	Tahiti, Society Islands, French Polynesia	PAE	17 39 43S	149 34 48W	60		
		PAE					
Paeroa	North Island, New Zealand	PATZ	38 22 53S	176 15 30E	940		From 1991.
Pagan	Mariana Islands	PAGN	18 04 30.0N	145 43 51.6E	540		From 1992 VII.
Pagan Volcano	Mariana Islands	PAGV	18 07 30N	145 46 12E	10		From 1992 VII.
Pagosa Springs	Colorado, USA	PGS	37 15 55N	107 01 15W			*Closed*.
Pahaquarry	New Jersey, USA	PQN	41 00 26.4N	75 05 09.0W	229		
Pahoa	Hawaii, Hawaiian Islands	PAH	19 29 42N	154 56 48W	205		*Closed*. From 1958 to 1969 I 01.
Pahoa Fire House	Hawaii, Hawaiian Islands	PFH	19 29 48.8N	154 56 55.0W	201		From 1986.
Pah Pah Range	Nevada, USA	PAHR	39 42 23.4N	119 23 03.1W	1500		
Pahroc Range	Nevada, USA	PRN	37 24 25N	115 02 59W	1470		
Pahute Mesa	Nevada, USA	LO2	37 11 52.5N	116 22 43.2W	2019		*Closed*. From 1973 V to 1975.
Pahute Mesa	Nevada, USA	PMN	37 16 50.4N	116 18 07.2W	2141		*Closed*. From 1973 VI 05 to 1973 VI 22.
P Aileron	Martinique	PAI	14 48 16N	61 09 23W	844		Pelée Aileron.
Pak Chong	Thailand	PCT	14 40 51.0N	101 24 39.6E	360		From 1978 X.
Pala−Maneri	Uttar Pradesh, India	PLMI	30 50 30N	78 37 45E	1640		From 1987 X 01.
Palau	Caroline Islands	PLA	7 20N	134 29E	390		*Closed*.
Palazzolo	Sicily, Italy	PZI	37 01 50.2N	14 54 55.1E	688		Palazzolo Acreide. Moved from 37:03:20.2N 14:
		PZI					56:48.1E 697m. From 1983 X.
Palermo	California, USA	PAM	39 26 55.8N	121 31 10.8W			From 1976 I.
Palermo	Sicily, Italy	PLR	38 08 38.4N	13 20 51.6E	60		
Paliouri	Greece	PAIG	39 55 38N	23 40 47E	140		From 1981 I.
Palisades	New York, USA	PAL	41 00 19N	73 54 28W	91		Coordinates corrected Feb 1997.
Palma Real	Venezuela	PALR	11 00 00.0N	63 54 39.6W	920		From 1984.
Palmasola	Oaxaca, México	PSM	16 42 17.4N	95 02 27.6W	750		From 1990 I.
Palmela	Portugal	PLML	38 33 18N	8 54 12W	216		
Palmer	Alaska and Aleutians, USA	PMR	61 35 32N	149 07 51W	100		Arctic Valley. From 1967 IX 01.
Palmer East	Alaska and Aleutians, USA	PME	61 37 42N	149 01 54W	232		*Closed*. From 1980 IX.
Palmer South	Alaska and Aleutians, USA	PMS	61 14 41N	149 33 38W	716		From 1967 V 25.
Palmer Station	Antarctic Peninsula, Antarctica	PMSA	64 46 27.1S	64 02 56.4W	10		From 1993 III.
Palmer USGS	Alaska and Aleutians, USA	PLRM	61 35 31.8N	149 07 51.0W	100		From 1984 IX 20.
Palmer West	Alaska and Aleutians, USA	PWA	61 39 03N	149 52 43W	137		From 1967 V 23.
Palmichal	Venezuela	PALM	10 12 16.6N	64 26 19.7W	1100		*Closed*. From 1984.
Palm Springs	California, USA	PSP	33 47 37.8N	116 32 55.8W	195		
Palmyra I.	Line Islands	PR−	5 53 17N	162 05 39W	3		*Closed*. From 1962 IV 06 to 1962 VIII 03 from 1962
		PR−					IX 30 to 1962 XI 04.
Palo	Leyte, Philippines	PLP	11 09 54N	124 58 44E	133		From 1975 X.
Palo Alto	California, USA	PAC	37 25 00N	122 10 54W	83		*Closed*. Branner. From 1927 XI 21 to 1965 V 31.
Palomar	California, USA	PLM	33 21 12.4N	116 51 42.1W	1692		From 1939 IX 07.
Palomares Rd	California, USA	CPLM	37 38 15.0N	121 57 38.4W	317		Palomares Road. Moved from PLC. From 1980 I
		CPLM					23.
Palomares Rd	California, USA	PLC	37 37 52.8N	121 57 22.2W	463		*LT18**Closed*. Palomares Road. Moved to
		PLC					CPLM. From 1969 VI 29 to 1980 I 23.
Palos Verdes	California, USA	PVPS	33 47 12N	118 24 09W			
Palos Verdes	California, USA	PVR	33 45 30N	118 21 24W	340		*Closed*. Replaced by PVRC. From 1956 III 21 to
		PVR					1981 IX 30.
Palos Verdes	California, USA	PVRC	33 45 07.8N	118 22 13.8W	183		From 1981 IX 30.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Palu	Sulawesi, Indonesia	PCI	0 54 17.4S	119 50 12.0E			From 1981.
Palu	Turkey	PLU	38 42 00N	39 55 51E	979		From 1973 IX 12.
Pamatai		PPT	*See* Papeete				
Panagurichte		PGB	*See* Panagyurishte				
Panagyurishte	Bulgaria	PGB	42 33 00.0N	24 10 00.1E	775		Panagurichte.
Panama		BHP	*See* Balboa Heights				
Panamint Range	California, USA	PANV	36 23 54N	117 05 57W	1830		From 1988 IV 01.
Panamint Range	California, USA	PGE	36 20 56N	117 03 57W	1850		*Closed*. From 1987 XI 28 to 1988 II 13.
Panarea	Sicily, Italy	PLI	38 37 41N	15 03 43E	98		
Panarotta	Italy	PANI	46 02 56N	11 18 29E	1850		From 1981 VI 15.
Panbari	Assam, India	PNBI	26 32N	93 29E	350		
Pancar Batu	Sumatera, Indonesia	PCBI	1 53 24N	98 55 31E	1000		
Pancar Gunung	Jawa, Indonesia	PACI	6 35 34S	106 54 37E	850		From 1991 X.
Panda Hill	Tanzania	PDHT	8 58 59.4S	33 14 30.0E	1340		From 1992 VI 08.
Pandan	Panay, Philippines	PAP	11 44 00.6N	122 06 52.2E			*Closed*. From 1977 IV 28 to 1980 IV.
Pandan	Panay, Philippines	PDP	11 42 51.6N	122 05 46.2E			From 1980 IV.
Panekirikiri	North Island, New Zealand	PAHZ	38 51 33S	177 03 15E	563		From 1983 III.
Panguna	Bougainville	PAA	6 18 02.1S	155 29 28.3E	699		From 1972 XII 04.
Panimávida	Linares, Chile	PAN	35 45 06.2S	71 24 11.5W	175		*Closed*.
Panjim		GOA	*See* Goa				
Pantabangan	Luzon, Philippines	PEP	15 48 39.6N	121 06 25.2E			
Pantelleria	Sicily, Italy	PTS	36 48 25.9N	11 59 34.4E	150		Isola di Pantelleria.
Pao−t'ou		BTO	*See* Baotou				
Papanoa	Guerrero, México	PPNM	17 18 01.8N	101 02 16.2W	260		
Papayo	Guerrero, México	PPOM	17 01 12N	100 14 24W	100		El Papayo.
Papeete	Tahiti, Society Islands, French Polynesia	PPT PPT	17 34 08S	149 34 32W	260		Pamatai Ecole Normale Supérieure.
Papeete	Tahiti, Society Islands, French Polynesia	THT THT	17 34 08.5S	149 34 27.3W	337		Office de la Recherche Scientifique et Technique Outre−mer.
Papenoo	Tahiti, Society Islands, French Polynesia	PPN PPN	17 31 51S	149 25 56W	100		
Paphos	Cyprus	PPCY	34 53 05N	32 20 42E	60		From 1987 II.
Paracas	Peru	PCS	13 48 12S	76 16 42W	100		*Closed*.
Paracas		PT06	*See* Pisco				
Paradox Valley	Colorado, USA	PV01	38 08 03.9N	108 34 13.2W	2182		The Burn.
Paradox Valley	Colorado, USA	PV02	38 12 26.4N	108 44 13.8W	2166		Monogram Mesa.
Paradox Valley	Colorado, USA	PV03	38 15 15.6N	108 50 52.8W	2007		Wild Steer.
Paradox Valley	Colorado, USA	PV04	38 23 36.3N	108 54 19.5W	1756		Carpenter Flat.
Paradox Valley	Colorado, USA	PV05	38 04 41.4N	109 05 57.0W	2115		Three Step.
Paradox Valley	Colorado, USA	PV06	38 19 57.0N	108 27 27.6W	2213		Coal Canyon.
Paradox Valley	Colorado, USA	PV07	38 26 16.8N	108 38 48.0W	2001		Long Mesa.
Paradox Valley	Colorado, USA	PV08	38 34 34.7N	108 38 49.4W	2940		Montpelier.
Paradox Valley	Colorado, USA	PV09	38 29 55.2N	109 08 00.6W	2652		North La Sal.
Paradox Valley	Colorado, USA	PV10	38 22 34.8N	109 02 19.8W	2316		South La Sal.
Paragould	Arkansas, USA	PGA	36 03 36N	90 37 12W	152		*Closed*. From 1974 XII 28 to 1992 II.
Paraibuna	São Paulo, Brazil	PARB	23 20 17.5S	45 37 18.1W	767		From 1993 XII.
Paraiso	California, USA	PRS	36 19 54N	121 22 12W	363		From 1961.
Paralimni	Cyprus	PHNC	35 00 14.4N	34 01 55.2E			
Paran	Israel	PRNI	30 20 42.0N	34 59 49.2E	410		
Paraskevi	Greece	PRK	39 14 46N	26 16 18E	100		Lesbos, Lésvos, Saint Paraskevi.
Parcperdue Array	Louisiana, USA	LSU1	30 04 23.7N	91 58 55.5W	−23		
Parcperdue Array	Louisiana, USA	LSU2	30 04 42.6N	92 01 53.4W	−24		
Parcperdue Array	Louisiana, USA	LSU3	30 02 57.0N	92 00 25.5W	−24		
Parcperdue Array	Louisiana, USA	LSU4	30 02 06.0N	92 02 46.5W	−22		
Parcperdue Array	Louisiana, USA	LSU5	30 04 02.4N	92 03 15.3W	−24		
Parc St Maur		PAR	*See* Paris				
Paris	Île-de-France, France	PAR	48 48 34N	2 29 37E	47		Parc St Maur.
Parkfield	California, USA	PKD	35 56 43.1N	120 32 25.8W	631		
Parkfield	California, USA	PKD1	35 53 21.1N	120 25 29.6W	466		
Parkfield Array 1		GHC	*See* Gold Hill				
Parkfield Array	California, USA	PKF	35 52 54.5N	120 24 48.1W	469		*PPFM* From 1968 I 11.
Parkfield Array 3		TRC	*See* Taylor Ranch				
Parkfield Array 2		WKR	*See* Work Ranch				
Park Hill	California, USA	PKH	36 51 22.8N	121 24 22.2W	122		*HPHM* From 1970 VIII 17.
Parod	Israel	PARD	32 33 26.3N	35 15 39.2E	399		
Parsons	Tennessee, USA	PB−	35 44 10N	88 08 10W	122		*Closed*. From 1962 VII 06 to 1962 VII 11.
Parsons Mt.	South Carolina, USA	PRM	34 05 00N	82 21 48W	254		From 1975 VII 04.
Partacoona	South Australia, Australia	PNA	32 00 22S	138 09 54E	180		From 1969 IX.
Parys	Orange Free State, South Africa	PRY PRY	26 55 42S	27 28 24E	1455		
Pasadena	California, USA	PAS	34 08 54N	118 10 18W	295		From 1927 III 17.
Pas de la Coche	Rhône-Alpes, France	PCHF	45 13 05.7N	6 01 49.5E	2010		From 1980 VIII.
Pasian Peak	Mindanao, Philippines	PPH	7 50 57.0N	126 11 13.8E			Mt Pasian. From 1980 I 18.
Pasiripis	Jawa, Indonesia	PASI	6 41 22S	105 35 20E	220		From 1991 X.
Paso Flores	Río Negro, Argentina	PLCA	40 43 58S	70 33 03W	956		Coordinates corrected Nov 1997.
Paso Robles	California, USA	PPRM	35 38 51.6N	120 42 02.4W	279		MNLO code PPR.
Pasto	Colombia	PSO	1 11 31N	77 19 31W	3010		
Pasture Canyon	Utah, USA	PST	39 34 36N	110 21 06W	2118		*Closed*. From 1962 I to 1977 III.
Pasuquin	Luzon, Philippines	PIP	18 19 30N	120 37 08E	150		From 1976 I 26.
Patelzick Creek	Idaho, USA	PZCI	44 20 27.6N	112 19 01.2W	2073		From 1991 XII 08.
Paterson	Washington, USA	PATW	45 52 50.1N	119 45 40.1W	300		
Paterson	New Jersey, USA	PNJ PNJ	40 54 25.5N	74 09 17.4W	31		*Closed*. From 1972 III to 1978 from 1987 VI 05 to 1996 IX 30.
Patquia	La Rioja, Argentina	RTPR	30 18 08S	66 30 41W			
Patras	Greece	PAT	38 14 11N	21 44 48E	40		
Pauahi	Hawaii, Hawaiian Islands	PUH	19 22 37.2N	155 13 06.0W	994		From 1974 III.
Paularo	Italy	PLRO	46 32 59N	13 08 53E	1420		From 1988 I 01.
Paul Sauer Dam	Cape Province, South Africa	PSR	33 40 48S	24 24 36E	360		From 1988.
Paul Wright Tr.	California, USA	PWTG	38 16 38.4N	119 15 08.4W	1996		Paul Wright Trailer. From 1979 XI 15.
Pauzhetka	Kamchatskaya Obl., RF, CIS	PAU	51 30N	156 48E			
Pavia	Italy	PAV	45 11 00N	9 10 25E	77		
Pavliani	Greece	VPA	38 46 53.5N	22 20 24.0E	1084		From 1982 X.
Pavlikeni	Bulgaria	PVL	43 13 00.1N	25 19 59.9E	97		Position corrected Oct 1988. From 1965.
Pavlof North−6	Alaska and Aleutians, USA	PN6	55 27 10.1N	161 55 13.9W	808		To 1990 VII.
Pavlof North−7A	Alaska and Aleutians, USA	PN7A	55 25 57.5N	161 59 53.5W	823		To 1990 VII.
Pavlof South−1A	Alaska and Aleutians, USA	PS1A	55 25 16.2N	161 44 31.8W	293		From 1996 VII.
Pavlof South−4	Alaska and Aleutians, USA	PS4	55 21 14.3N	161 52 05.5W	520		*Closed*.
Pavlof South−4A	Alaska and Aleutians, USA	PS4A	55 20 45.6N	161 51 22.1W	322		From 1996 VII.
Pavlof Volcano	Alaska and Aleutians, USA	PVV	55 22 51N	161 48 27W	180		
Paxson	Alaska and Aleutians, USA	PAX	62 58 15.0N	145 28 07.2W	1130		From 1969 VII.
Payson	Arizona, USA	PY−	34 15 15N	111 19 37W	1516		*Closed*.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
PD06		BW06	*See* Boulder Array				
Peach Tree Valley	California, USA	PTV	36 06 30.0N	120 43 16.2W	506		*PPTM* From 1970 IV 16.
Peak Mountain	California, USA	PKM	34 53 44.9N	119 49 07.7W	1704		From 1976 VIII.
Pea Ridge	Alabama, USA	PEA	33 15 19.2N	87 29 39.6W	107		
Pea Ridge Mine	Missouri, USA	MMM	38 07 48N	91 02 24W	−244		
Pechory	Nizhegorodskaya Obl., RF, CIS	PECR PECR	56 19N	44 05E			
Peckham Road	California, USA	PKC	36 57 11.4N	121 41 42.0W	94		*AN8***HPRM* Anzar Res 8. From 1967 VI 23.
Pedra do Cavalo	Bahia, Brazil	PDCR	12 31 52.8S	39 07 21.0W	220		Pedra do Cavalo Reservoir. From 1987 I 01.
Pedro Bay	Alaska and Aleutians, USA	PDB	59 47 16.2N	154 11 33.0W	305		From 1979 II 22.
Pedro Cerda	South Shetland Islands, Antarctica	PED PED	62 56 22S	60 35 06W	10		*Closed*. Pedro Aguirre Cerda.
Pedro Dome	Alaska and Aleutians, USA	PJD	65 02 06N	147 30 30W	740		*Closed*. From 1967 I to 1971 XI.
Peichiko, Nan−ching		NAN	*See* Nanjing				
Peine	Antofagasta, Chile	PEI	24 41S	68 04W	5000		*Closed*.
Pei−p'ei		PEH	*See* Beibei				
Peking		BJI	*See* Beijing				
Peking outpost		BJI2	*See* Beijing				
Pelados	Peru	CHP1	4 40 19S	80 29 28W	150		From 1979 XII.
Peldehue	Santiago, Chile	PEL	33 08 37S	70 41 07W	690	WWSSN	Santiago.
Peleduy	Yakutskaya ASSR, RF, CIS	PDY	59 38 00.0N	112 42 01.0E	300		
Pelée Case Petit	Martinique	PCM	14 48 55.8N	61 12 37.8W	335		
Pelée Morne Calebasse		PMCB	*See* Calebasse				
Pelée Morne Lénard		PML	*See* Morne Lénard				
Pemberton	British Columbia, Canada	PMB	50 31 07.7N	123 04 35.4W	400		From 1993 VI 05.
Pembroke	Wales, UK	HPE	51 56 13.6N	4 46 28.2W	355		From 1990.
Penang	Peninsular Malaysia, Malaysia	PNN*					*Closed*.
Peñas	Bolivia	PNS	16 16 02S	68 28 24W	3986		*Closed*. From 1963 to 1975.
Pendagan	Sumatera, Indonesia	PENI	5 34 00S	105 10 16E	200		From 1991 X.
Pender Island	British Columbia, Canada	PIB	48 49N	123 19W	40		*Closed*. From 1975 XI 01 to 1981 IV 27.
Pendleton	Oregon, USA	PNO	45 36 43.2N	118 45 46.5W	402		From 1975 VI.
Pendleton	Oregon, USA	PT−	45 36 40N	118 53 02W	411		*Closed*. From 1962 I 26 to 1963 VII 29.
Pengchaiyu	Taiwan, China	PCYT	25 37 46.0N	122 04 16.5E	102		
Penghu	Taiwan, China	PNG	23 34 01.8N	119 33 18.7E	11		Hokoto Correction to position Nov 1990.
Peninsula	Alaska and Aleutians, USA	PNL	59 40 07.2N	139 23 49.2W	579		From 1974 IX 02.
Pennsylvania		SCP	*See* State College				
Penrod	Nevada, USA	PNR	38 49 16.8N	118 47 37.8W			*Closed*.
Pensacola	Florida, USA	PEN	30 28N	87 11W			*Closed*.
Pensacola Coll.	Florida, USA	PJC	30 28 50N	87 12 04W			Pensacola Junior College.
Penteli	Greece	PTL	38 02 56N	23 51 53E	500		
Penticton	British Columbia, Canada	PNT	49 19N	119 37W	550		From 1960 I.
Penuelas	Puerto Rico	PNP	18 03 29.9N	66 41 01.1W	200		From 1975 VII 30.
Penzance	England, UK	CPZ	50 09 21.6N	5 35 00.6W	198		From 1981.
Pêra	Portugal	PFPE	37 08 02.4N	8 19 04.1W	33		From 1996 I.
Pernaja	Finland	PVF	60 32 42.4N	25 51 41.8E	45		From 1991 VI 11.
Perris	California, USA	PEC	33 53 31.0N	117 09 38.4W	616		From 1970 I.
Perris	California, USA	PRR	33 46 48N	117 14 00W	440		*Closed*.
Perry Basin	Utah, USA	PBU	41 28 05.4N	112 00 34.8W	1625		*Closed*. From 1975 IX to 1981 XI.
Perryville	Alaska and Aleutians, USA	PRYA	55 54 31.8N	160 10 10.8W	20		From 1993 VI 01.
Perryville	Arkansas, USA	PV−	34 55 46N	92 40 12W	213		*Closed*. From 1962 VI 15 to 1962 VI 28.
Perşembe	Turkey	PERT	41 04 45N	37 44 09E	480		From 1994 VI.
Perth	Western Australia, Australia	PER	31 57 09.6S	115 50 22.0E	55		*Closed*.
Perugia	Italy	PRG	43 06 05N	12 23 49E	495		Code PEG also used.
Pesaro	Italy	PRO PRO	43 55N	12 55E			*PS1* Valerio Observatory. Formerly PS1. From 1976 VI.
Pescadero	California, USA	PSD	37 11 56.4N	122 20 54.0W	84		From 1970 XI 25.
Peshawar	Pakistan	PES	34 00 18N	71 32 54E			*Closed*.
Peshawar	Pakistan	PSH	33 56 13.5N	71 26 02.8E	456		From 1976 I.
Peshkopi		PHP	*See* Peshkopia				
Peshkopia	Albania	PHP	41 41 17N	20 26 27E	500		Peshkopi.
Petauke	Zambia	PTZ	14 14 56.4S	31 20 20.4E	1027		
Peter Gray Mt.	New York, USA	PGY	43 42 27.6N	74 02 42.6W			From 1986 XI.
Petersburg	Alaska and Aleutians, USA	PBG	56 48 03.6N	132 55 39.6W	49		From 1995 IV 19.
Petersburg	Virginia, USA	PBV	36 58 56.4N	77 31 52.2W	49		From 1978 X 10.
Petersburg	Alaska and Aleutians, USA	PSA	56 48 30N	133 57 12W	17		From 1975.
Peterson	Alabama, USA	PTR	33 13 01.8N	87 26 00.0W	122		From 1971 I 09.
Peters Valley	New Jersey, USA	PVN	41 11 44.4N	74 52 10.8W	175		*Closed*. From 1973 II to 1974 VII.
Petit Monier	St Lucia, WIAS	SLW	14 01 12.0N	60 56 09.6W	366		Formerly PML. From 1978 VI 25.
Petit Puy Manson	Auvergne, France	PYM	45 45 02.0N	3 00 28.6E	970		Petit Puy de Manson. From 1980 VI.
Petropavlovsk	Kamchatskaya Obl., RF, CIS	PET	53 01N	158 39E	25		
Pfieffer Point	California, USA	BPFM	36 13 48.0N	121 46 18.1W	349		From 1973 XII 18.
Phelps	New York, USA	PHEL	42 57 15N	77 05 42W	188		
Philadelphia	Pennsylvania, USA	PHI	39 57 32N	75 10 30W	5		*Closed*. From 1934 VII to 1971 VIII 28.
Philippi	West Virginia, USA	PX−	39 04 34N	79 54 40W	518		*Closed*.
Phù−Liễn	Vietnam	PLV PLV	20 48 21.7N	106 37 44.4E	90		Haiphong, Kien−An, Tonking. From 1924 to 1944 from 1957 to 1977 from 1979.
Piacenza	Italy	PCN	45 03N	9 40E			Reopened 1978.
Pian Castagno	Italy	PCP	44 32 30.6N	8 32 42.6E	770		Pian Castagno−Ponzone. From 1989 III 15.
Piatra Neamţ	Romania	PTT	46 56 05N	26 23 10E	350		From 1987 I 15.
Picacho	El Salvador	PICS	13 44 22N	89 15 18W	1960		From 1991 XII.
Picacho Peak	California, USA	PIC	32 54 51.0N	114 38 35.4W	263		
Picayune	Mississippi, USA	PC−	30 33 21N	89 46 57W	12		*Closed*. From 1966 XI 12 to 1966 XII 06.
Pickens	Oklahoma, USA	PKO	34 23 50.3N	95 01 51.8W	264		From 1987 X 16.
Pickett Peak	California, USA	KPPM	40 20 45.6N	123 21 43.8W	1762		MNLO code KPP.
Pickford	Michigan, USA	PF−	46 05 16N	84 27 39W	259		*Closed*. From 1963 I 03 to 1963 VI 17.
Pickwick Lake	Alabama, USA	PLAL	34 58 56.5N	88 04 31.7W	165		
Pickwick Lake	Alabama, USA	PWLA	34 58 48.0N	88 03 50.4W	204		From 1980 V 14.
Pico	Azores	PICO	38 30 03N	28 25 32W	775		From 1989 V 26.
Pico Bartolomeu	Azores	BART	37 46 37.8N	25 10 08.2W	887		
Pico Espejo	Venezuela	PMV	8 32N	71 03W	4765		From 1979.
Pico Herrero	Spain	APHE	36 57 07.2N	3 41 16.8W	1360		
Pico Tres Padres	México D.F., México	PTVM	19 35 34.8N	99 06 46.8W	2230		
Piedade	Azores	PIED	38 25 08.5N	28 03 13.8W	235		From 1993 II 02.
Pie de Palo	San Juan, Argentina	PPA	31 30 56S	68 16 07W	550		*Closed*.
Piedmont	Tennessee, USA	PDTN	35 16 24.0N	85 50 58.2W	335		From 1985 IX 19.
Pierce Ferry	Arizona, USA	PFA	36 07 15N	114 00 17W	417		*Closed*. From 1940 X to 1952 VI.
Pierpont	South Carolina, USA	PPS	32 49 25N	80 02 24W			From 1976 III 31.
Pietermaritzburg	Natal, South Africa	PIE	29 37 12S	30 23 48E	656		*Closed*. Replaced by *PTM*. From 1968 IV.
Pietermaritzburg	Natal, South Africa	PTM	29 37 37.6S	30 24 12.6E	671		Replaces *PIE*.
Pieve di Cadore	Italy	PDC	46 24 36N	12 22 12E			*Closed*.
Pigeon Bay	South Carolina, USA	PBS	33 16 45.0N	80 15 49.9W			*Closed*. From 1974 V 20 to 1988 V 23.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Pigeon Point	Trinidad and Tobago	PIG	11 09 39.6N	60 50 27.6W			
Pihur	Pakistan	RBH	34 04 13.8N	72 40 13.8E	364		Right Bank House.
Pilar	Córdoba, Argentina	PIL	31 40 06S	63 53 00W	338		Córdoba.
Pilarcitos Creek	California, USA	PCC	37 30 00N	122 22 54W	91		From 1965.
Pilot Knob	California, USA	PLT	32 43 52.2N	114 43 45.6W	61		From 1973 IV 16.
Pilot Rock	Oregon, USA	PK−	45 19 03N	118 54 33W	1036		*Closed*. From 1962 VI 06 to 1962 VI 28.
Pinalito	Dominican Republic	DR03 DR03	19 16 21.0N	70 46 07.8W			*DR3* Dominican Network. Changed name Mar 1990.
Pinar	Spain	PINR	36 29 56.4N	6 07 06.0W	10		*Closed*.
Pinawa	Manitoba, Canada	PWM	50 11 31N	96 02 11W	274		*Closed*. From 1978 X 06 to 1984 V 15.
Pinc	Cuba	PINC	20 29 13.2N	75 47 27.6W			
Pindiu	Papua New Guinea	PDUI	6 26 49.2S	147 30 39.6E	950		From 1988 VI 16.
Pine Canyon	California, USA	BPCM	36 33 54.0N	121 38 08.9W	268		From 1976 II 14.
Pine Canyon	California, USA	PNC PNC	36 33 43.8N	121 38 10.8W	305		*AN1**Closed*. Anzar Res 1. From 1967 IX 24 to 1976.
Pine Creek	Idaho, USA	PINI	43 30 27.4N	111 20 44.6W	1932		From 1986 I.
Pine Creek	Oregon, USA	PN−	43 44 35N	118 34 38W	1250		*Closed*.
Pinedale	Wyoming, USA	PI−	42 27 10N	109 32 55W	2170		*Closed*. From 1964 I 22 to 1964 IV 29.
Pinedale	Wyoming, USA	PI1	42 35 43.2N	109 32 43.2W	2195		*Closed*. From 1973 VI 08 to 1973 VIII 13.
Pinedale	Wyoming, USA	PI2	42 46 30N	109 44 24W	234		*Closed*. From 1965 III 01 to 1965 IV 26.
Pinedale	Wyoming, USA	PI3	42 26 30N	109 34 45W	2164		*Closed*. From 1973 X 18 to 1973 XII 11.
Pinedale	Wyoming, USA	PI4	42 37 42N	109 53 36W	2194		*Closed*. From 1973 XII 11 to 1974 II 22.
Pinedale	Wyoming, USA	PI5	42 34 01.6N	109 54 42.0W	2273		*Closed*. From 1974 III to 1976 I.
Pinedale	Wyoming, USA	PI6	42 43 34.4N	109 36 19.8W	2225		*Closed*. From 1974 III to 1976 I.
Pinedale	Wyoming, USA	PI7	42 26 23N	109 34 21W	2179		*Closed*. From 1974 III to 1976 I.
Pinedale	Wyoming, USA	PIN	42 34 57N	109 43 00W	2225		*Closed*. From 1973 III 22 to 1973 VI 08.
Pinedale Array	Wyoming, USA	PD01	42 46 35.4N	109 34 59.5W	2199		Pinedale Array Site 1 (Boulder Array Site 1).
Pinedale Array	Wyoming, USA	PD02	42 46 41.5N	109 33 59.0W	2218		Pinedale Array Site 2 (Boulder Array Site 2).
Pinedale Array	Wyoming, USA	PD03	42 46 33.2N	109 32 58.6W	2293		Pinedale Array Site 3 (Boulder Array Site 3).
Pinedale Array	Wyoming, USA	PD04	42 45 57.6N	109 34 27.8W	2185		Pinedale Array Site 4 (Boulder Array Site 4).
Pinedale Array	Wyoming, USA	PD05	42 46 13.4N	109 33 59.8W	2184		Pinedale Array Site 5 (Boulder Array Site 5).
Pinedale Array	Wyoming, USA	PD07	42 46 13.4N	109 32 40.2W	2331		Pinedale Array Site 7 (Boulder Array Site 7).
Pinedale Array	Wyoming, USA	PD08	42 45 32.0N	109 35 01.0W	2190		Pinedale Array Site 8 (Boulder Array Site 8).
Pinedale Array	Wyoming, USA	PD09	42 45 42.5N	109 34 01.9W	2208		Pinedale Array Site 9 (Boulder Array Site 9).
Pinedale Array	Wyoming, USA	PD10	42 45 34.2N	109 33 25.2W	2216		Pinedale Array Site 10 (Boulder Array Site 10).
Pinedale Array	Wyoming, USA	PD11	42 45 09.4N	109 34 36.8W	2182		Pinedale Array Site 11 (Boulder Array Site 11).
Pinedale Array	Wyoming, USA	PD12	42 45 18.4N	109 33 47.2W	2186		Pinedale Array Site 12 (Boulder Array Site 12).
Pinedale Array	Wyoming, USA	PD13	42 45 18.4N	109 32 58.9W	2337		Pinedale Array Site 13 (Boulder Array Site 13).
Pinedale Array	Wyoming, USA	PDAR PDAR	42 46 00.1N	109 33 28.4W	2214		Pinedale Array Beam Reference Point (Boulder Array).
Pine Mt.	California, USA	GPMM	38 50 51.0N	122 56 43.1W	762		From 1973 IX 21.
Pine Mt.	California, USA	PEM	34 10 02.3N	117 52 10.9W			From 1976 II.
Pine Mountain	Oregon, USA	PMT	43 47 27.2N	120 56 41.7W	1924		*Closed*. From 1969 IX 22 to 1984 I 17.
Pine Mountain	Oregon, USA	VPIM	43 47 27.0N	120 56 40.8W	1932		
Pine Mountain	Queensland, Australia	WPMQ	27 32 08.5S	152 44 07.8E	35		From 1977 III 18.
Pine Pass	British Columbia, Canada	PPC	55 24N	122 37W			*Closed*. From 1969 VII to 1973 IV 06.
Pinerolo	Italy	PNI	44 55 09N	7 18 50E	585		From 1971 III.
Pineville	West Virginia, USA	PE−	37 36 53N	81 39 55W	427		*Closed*. From 1962 VII 06 to 1962 VII 17.
Pinkham Creek	Montana, USA	PNK	48 46 03.6N	115 05 16.8W	1150		*Closed*. From 1971 II to 1974 VII 10.
Pinlang	Taiwan, China	TWG	22 49 14.4N	121 04 18.0E	195		Taitung. From 1972 IX 25 to 1983 X 15.
Pinnacle	Alaska and Aleutians, USA	PCA	60 05 48N	140 15 24W	975		*PINM* From 1974 IX 05.
Pinnacle Mt.	Alaska and Aleutians, USA	PNN	56 48 18N	157 35 00W	442		
Pinnacles	California, USA	BPIM	36 29 24.0N	121 10 06.6W	329		From 1975 VII 03.
Pino	Ecuador	PINO	0 09 28.8S	78 36 27.6W	4600		
Pinole Ridge	California, USA	CPIM	37 59 20.0N	122 12 52.8W	226		
Piñon	México D.F., México	PBVM	19 26 28.2N	99 05 03.6W			Piñon de los Baños.
Pinotepa	Oaxaca, México	PIO PIO	16 23 40.8N	98 07 37.2W	200		Pinotepa Nacional. Correction to latitude May 1994, Nov 1997.
Pinotepa	Guerrero, México	PNIG PNIG	16 23 32.3N	98 07 37.6W	350		Pinotepa Nacional. Coordinates corrected Mar 1999.
Pinto Mountains	California, USA	PNMC	33 58 38.4N	115 48 03.0W	1147		
Pinyon Flat Obs.	California, USA	PFO	33 36 33N	116 27 19W	1280		
Pinyon Peak	California, USA	BPPM	36 10 07.3N	121 22 40.8W	1591		From 1973 XII 19.
Pioggiola	Corse, France	PGF	42 32 54.0N	8 59 58.0E	1130		From 1989 XI 15.
Piper Mountain	California, USA	PPK	37 25 35N	117 54 26W	1830		
Pipestone	Minnesota, USA	PP−	44 04 39N	96 09 03W	533		*Closed*.
Pira−Piraso	Luzon, Philippines	VPP	14 02 06.0N	121 00 03.6E	150		
Pirkuli	Azerbaydzhan, CIS	PRLS	40 48N	48 30E			
Pirmasens	Rheinland-Pfalz, Germany	PIR	49 11 59.9N	7 36 26.7E	400		From 1968 I.
Pirque	Santiago, Chile	PCH	33 37 15S	70 30 50W	1010		From 1982.
Pisa	Italy	PII	43 43 16.3N	10 31 25.8E	50		
Pisa	Italy	PIS	43 35N	10 41E			*Closed*.
Pisayambo	Ecuador	PISA PISA	1 03 30.6S	78 23 07.8W	3931		Coordinates corrected Sept 1998. From 1995 II 10.
Pisco	Peru	PT06	13 49 45.0S	76 19 51.6W	220		Paracas.
Pistol Creek	Montana, USA	PCMT	47 12 54.6N	114 01 40.2W	1873		
Piszkesteto	Hungary	PSZ	47 55 06.2N	19 53 40E	940		Coordinates corrected Sept 1998.
Pitcairn Island	Pitcairn Island, Gambier Islands, French Polynesia	PTCN PTCN	25 04 22.1S	130 05 40.9W	195		
Pitcher Mountain	New Hampshire, USA	PNH	43 05 39N	72 08 09W	659		From 1976 I.
Pithoragarh	Uttar Pradesh, India	PTH	29 33N	80 13E	1669		
Pitinga	Brazil	PTGA	0 43 50.9S	59 57 59.8W	137		From 1995.
Pitten	Austria	PIA	47 43 03N	16 11 35E	380		
Pittioevaara		SDF	*See* Sodankyla				
Pittsburgh	Pennsylvania, USA	PIT	40 26 42N	79 57 12W	273		*Closed*. From 1929 to 1962 I.
Piute Mountains	California, USA	PIU	34 44 25.2N	115 05 38.4W	1209		*Closed*. From 1974 IV to 1976 X.
Piute Reservoir	Utah, USA	PUU	38 21 48N	112 16 47W	2598		*Closed*. To 1980 VII.
Piuthān	Nepal	PYUN	28 06 00N	82 59 24E	1867		Pyuthan. From 1994IV.
Piva	Solomon Islands	PIV	6 12 00S	155 03 30E	60		*Closed*.
P.K. Le Roux Dam		PKR	*See* Le Roux Dam				
Plaine−des−Cafres	Réunion	RER	21 10S	55 45E	834		La Plaine des Cafres. From 1986 II 10.
Plant 15	California, USA	GFTM	38 47 34.8N	122 50 02.4W	755		Plant 15 − Mercuryville, MNLO code GFT.
Plasencia	Spain	EPLA	40 03 51N	6 04 49W	591		Correction to position 1987. From 1985 VIII.
Plata	Spain	PLAT	36 07 15.6N	5 45 30.6W	460		
Platanillo	Guerrero, México	PLIG	18 23 32.4N	99 30 08.4W	850		
Platillón	Venezuela	PLAV	9 52 26.4N	67 30 08.6W	1830		From 1984.
Platte Center	Nebraska, USA	PCNE	41 32 21N	97 25 39W	482		
Plattsburgh	New York, USA	PNY	44 50 03N	73 33 18W	177		From 1971 VIII.
Plauen	Thüringen, Germany	PLN	50 29 12N	12 09 32E	420		
Plav	Montenegro	PVY	42 35 42.0N	19 58 24.6E	1250		From 1984 XI 01.
Playitas	Nicaragua	PYT	12 31 41.4N	86 03 52.8W	460		From 1975.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Pleasant Camp	British Columbia, Canada	PLBC	59 27 24N	136 21 54W	280		From 1990 IX 20.
Pleasant Grove	Mississippi, USA	PGM	34 27 50.4N	90 06 45.1W	105		From 1979 VIII 24.
Pleasanton	California, USA	CPNM	37 39 00.6N	121 51 42.0W	200		Pleasanton Water Tower, MNLO code CPN.
		CPNM					From 1980 I.
Pleasant Valley	California, USA	PEV	36 58 37.2N	121 49 55.8W	158		*JPLM*
Pleito Hills	California, USA	PLEC	34 58 06.6N	119 04 04.8W	1082		
Pljevlja	Montenegro	PLE	43 19 47.5N	19 23 39.3E	1181		From 1983 XII 25.
Plockton	Scotland, UK	KPL	57 20 20.8N	5 39 09.7W	36		From 1986 IV 18.
Plovdiv	Bulgaria	PLD	42 06 17.6N	24 42 11.2E	176		From 1983 VIII 01.
Plymouth	Trinidad and Tobago	PLY	11 13 01.2N	60 46 44.4W	9		
Poás	Costa Rica	POA	10 09 08.4N	84 13 01.4W	2093		*Closed*. From 1984 III 17 to 1986 V 06.
Poás 2	Costa Rica	POA2	10 10 37.8N	84 15 03.0W	2500		From 1986 V 06.
Pocatello Creek	Idaho, USA	PTI	42 52 13.2N	112 22 12.6W	1670		From 1984 XI.
Pochutla	Oaxaca, México	PLO	15 44 24.6N	96 27 30.0W	280		
Podgorica	Montenegro	TTG	42 25 46.8N	19 15 38.9E	40		*PDG* Titograd. From 1960.
Pofadder	Cape Province, South Africa	POF	29 22 54S	19 57 00E			From 1986.
Poggio Sodo	Italy	PGD	43 52 31N	11 43 17E	1600		Former position 43:52:30N 11:52:00E.
Pohoiki	Hawaii, Hawaiian Islands	POH	19 27 25.2N	154 51 13.2W	16		
Point Barrow	Alaska and Aleutians, USA	PTB	71 08N	156 48W			*Closed*.
Point Dume	California, USA	PT2	34 00 15N	118 48 23W	40		
Pointe Anglais	Quebec, Canada	ICQ	49 31 18N	67 16 19W	58		Pointe−aux−Anglais (Islets Caribou). From 1991 I
		ICQ					08.
Pointe−à−Pierre	Trinidad and Tobago	TPP	10 19 01.2N	61 27 03.6W	46		
Pointe Michel	Dominica, WIAS	DPMT	15 15 32.4N	61 23 06.0W	50		
Pointe Molloy	Kerguelen Islands	PMK	49 21 39.3S	70 04 00.9E	22		
Point Lisas	Trinidad and Tobago	PLS	10 24 46.8N	61 29 24.0W			*Closed*. From 1977 X 01 to 1978 VI 01.
Point Lookout	Virginia, USA	PLVA	36 39 57.6N	81 09 39.6W	1353		From 1982 XI 30.
Point Molate	California, USA	CPMM	37 56 56.4N	122 24 27.6W	116		
Point Reyes	California, USA	NPRM	37 59 47.4N	123 00 58.8W	165		MNLO code NPR.
Point Reyes	California, USA	PRC	38 04 48N	122 52 00W	404		*Closed*. To 1964 XII.
Pola	Croatia	POL	44 52N	13 51E	32		*Closed*.
Pole Canyon	Utah, USA	PCY	38 19 58.8N	112 54 04.8W	2033		
Pole Creek	Idaho, USA	PCID	43 54 49.2N	114 46 39.6W	2262		From 1992 XII.
Pole Mt.	Wyoming, USA	PM−	41 12 27N	105 21 39W	2469		*Closed*. From 1961 XI 25 to 1963 VII 10.
Pole Mt.	Wyoming, USA	PMW	41 12 36N	105 20 05W	2240		*Closed*. From 1961 XII 08 to 1963 VIII.
Pole Station		SPA	*See* South Pole				
Polino	Italy	POI	42 34 27.6N	12 56 30.6E			*PO9**Closed*.
Poliokeawe Pali	Hawaii, Hawaiian Islands	PWH	19 17 01.2N	155 13 28.2W	169		From 1973 V 23.
Polly Butte	California, USA	POB	33 41 12.1N	116 55 23.9W	1003		
Polygyros	Greece	PLG	40 22 26N	23 26 44E	580		
Pomariorio	Tuamotu, French Polynesia	PMO	15 00 13S	147 53 50W	2		
Pomio	New Britain	PNB	5 31 30S	151 30 30E	4		*Closed*. From 1971 VIII 06 to 1972 V 31.
Pomona	California, USA	PCF	34 03 11.5N	117 47 26.5W			From 1976 I.
Pomona	California, USA	POM	34 06N	117 43W	350		*Closed*. From 1949.
Pompeii	Italy	PMP	40 45N	14 30E			*Closed*. Pompei.
Ponca City	Oklahoma, USA	PCO	36 41 34.9N	96 58 56.9W	324		Operated by TUL. Moved to present position
		PCO					1980:11:11. From 1977 VII 05.
Ponce	Puerto Rico	PON	18 00 12N	66 36 50W	50		*Closed*. From 1974 VIII 16 to 1975 VII 17.
Ponce	Puerto Rico	PZ−	17 58 12N	66 25 04W	5		*Closed*. From 1963 IX 10 to 1964 III 13.
Ponciano Ridge	California, USA	BPRM	36 24 25.2N	121 43 46.2W	741		
Pondosa	California, USA	LPDM	41 11 43.2N	121 41 45.6W	1231		MNLO code LPD.
Poneloya	Nicaragua	PYN	12 22 55.8N	87 01 20.4W	50		From 1975.
Pongaroa	North Island, New Zealand	PGZ	40 37 07.8S	176 16 25.2E	60		*Closed*. From 1988 IV to 1996 VI.
Pongola	Natal, South Africa	POG	27 22 11.4S	31 36 42.0E	290		From 1994.
Ponta Delgada	Azores	PDA	37 44 48N	25 39 48W	35	WWSSN	
Ponta Puerca	Puerto Rico	PTP	18 14 10.2N	65 37 03.0W			*Closed*.
Pontebba	Italy	POBI	46 30 48N	13 16 36E	860		*Closed*. From 1983 I 30 to 1988 I 01.
Pontiac	Illinois, USA	PW−	40 54 58N	88 35 07W	210		*Closed*. From 1966 VI 29 to 1966 VI 30.
Poona	Maharashtra, India	POO	18 31 45N	73 50 56E	560	WWSSN	Coordinates corrected Feb 1998. From 1964 X 05.
Poorman Mine	Colorado, USA	PMC	40 01 48N	105 20 13W	1990		*Closed*. From 1965 to 1969.
Popeni	Romania	PPE	46 13N	27 37E	267		From 1981.
Popocatépetl	Puebla, México	PPM	19 04 00N	98 37 36W	3980		
Popondetta	Papua New Guinea	POP	8 44 04S	148 14 58E	100		*Closed*. From 1964 XII to 1966 II.
Poppy Hill Road	California, USA	APRM	38 52 37.2N	121 13 01.9W	133		From 1976 VII 15.
Porcher Bluff	South Carolina, USA	PBF	32 51 46.0N	79 45 38.4W	2		
Porcupine Dome	Alaska and Aleutians, USA	PRP	65 31 04.2N	145 31 20.4W	1498		From 1990 II 16.
Pores Knob	North Carolina, USA	PKNC	36 02 45.6N	81 09 28.8W	785		From 1982 XI 11.
Porkkala	Finland	PKK	60 00 18.7N	24 31 01.0E	10		
Portage	Alaska and Aleutians, USA	PTE	60 51 52.2N	149 01 25.2W	55		From 1972 VIII 29.
Portage	Utah, USA	PTU	41 55 45.6N	112 19 28.8W	2192		From 1976 XII 17.
Portageville	Missouri, USA	PTG	36 25 39.6N	89 42 13.2W			*Closed*.
Portalegre	Portugal	PRL	39 18 42N	7 21 34W	1020		
Port Antonio	Jamaica	PAJ	18 10 12.0N	76 27 21.6W	201		
Port aux Français	Kerguelen Islands	PAF	49 21 02S	70 12 48E	17		
Port Bizet	Kerguelen Islands	KPB	49 31 12.0S	69 54 03.6E			From 1974 II.
Port Blair	Andaman Islands	PBA	11 40N	92 43E	79		
Port Clements	British Columbia, Canada	PCB	53 42 22N	132 34 03W	634		
Port Douzième	Kerguelen Islands	KPD	49 31 01.2S	70 09 25.2E			From 1974 II.
Port Fidalgo	Alaska and Aleutians, USA	FID	60 45 00.0N	146 28 44.4W	457		From 1974 X 07.
Port Gamble	Washington, USA	PGW	47 49 18.8N	122 35 57.7W	122		
Port Hardy	British Columbia, Canada	PHC	50 42 24N	127 25 54W	33		From 1962 XII.
Port Heiden	Alaska and Aleutians, USA	PHA	56 59 18N	158 40 30W			*Closed*.
Port Laguerre	New Caledonia	NOUC	22 06 04S	166 18 11E	112		From 1988 III 21.
Portland	Maine, USA	POR	43 41N	70 17W			*Closed*.
Portland	Oregon, USA	PTD	45 30 30N	122 42 59W	208		From 1964 V.
Portland Cottage	Jamaica	PCJ	17 44 31.2N	77 10 08.4W	200		From 1978 VII 20.
Port Louis	Guadeloupe	SEG	16 24 10.2N	61 30 18.6W	60		From 1981.
Port Moller	Alaska and Aleutians, USA	PMA	55 58 43N	160 29 50W	314		*Closed*. From 1972 IX 16 to 1978 X 12.
Port Moresby	Papua New Guinea	PMG	9 24 22.2S	147 09 32.0E	65	WWSSN	Correction to coordinates Sep 1992. From 1957
		PMG					XII 01.
Porto	Portugal	PTO	41 08 19N	8 36 08W	88	WWSSN	Serra do Pilar. From 1912.
Porto Alegre	Rio Grande do Sul, Brazil	UFRS	30 03 14.4S	51 07 27.7W	296		From 1994 IV.
Porto Cannone	Italy	PTC	41 55 47N	15 02 33E	40		
Porto d'Ischia	Italy	PDI	40 44N	13 57E	37		*Closed*.
Portola Park	California, USA	LT3	37 15 52.2N	122 12 46.8W	186		*JPPM* Los Trancos 3. From 1966 XII 22.
Pôrto Murtinho	Mato Grosso, Brazil	PTMB	21 27 47S	57 28 32W	240		From 1994 X.
Porton East	England, UK	POE	51 08 41N	1 39 14W	125		From 1975 IX 28 to 1977 X 13 from 1978 VII 21.
Porton South	England, UK	POS	51 08 17.1N	1 38 00.0W	122		*Closed*. From 1977 XI 01 to 1978 VII 12.
Port Renfrew	British Columbia, Canada	PFB	48 34 18.1N	124 26 24.0W	550		From 1983 VI 15.
Port Royal	Jamaica	PRJ	17 56 06.7N	76 50 37.8W	2		From 1969 VIII 09.
Port Stanley	Falkland Islands	PSF	51 42S	57 52W			*Closed*.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Portuguez	Puerto Rico	PORP	18 03 13.7N	66 38 13.2W	218		From 1989 VIII.
Port Vila	Vanuatu (New Hebrides)	PVC	17 44 24S	168 18 43E	80		From 1960 I 01.
Port Wells	Alaska and Aleutians, USA	PWL	60 51 33.6N	148 20 05.4W	549		
Porvoo	Finland	PRF	60 23 07.8N	25 40 49.8E	10		
Porvoo	Finland	PRV	60 21 25.7N	25 33 30.1E	25		*Closed*.
Post	Texas, USA	PO−	33 28 32N	101 21 44W	914		*Closed*. From 1961 XII 09 to 1961 XII 20.
Poste Baleine	Quebec, Canada	PBQ	55 16 36N	77 44 36W	20		Poste de la Baleine.
Post Ranch	California, USA	BPOM	36 13 43.2N	121 46 00.0W	354		
Potato Knob	Kentucky, USA	PKKY	38 22 58.8N	83 02 02.4W	336		Formerly Grayson. From 1985.
Potenciana	Costa Rica	PTCR	9 47 22.2N	84 25 34.1W	1510		From 1984 III 17.
Potrero Grande	Guerrero, México	POGM	17 22 30.6N	100 37 16.8W	650		
Potsdam	Brandenburg, Germany	POT	52 22 49N	13 04 04E	80		
Potsdam (NY)	New York, USA	PTN	44 34 21.0N	74 58 58.2W	238		From 1971 X.
Potts Junction	Mariana Islands	PJG	13 35 17N	144 51 59E	138		From 1957 V.
Potts Mountain	Virginia, USA	VWV	37 27 57.6N	80 23 30.0W	963		
Pouilloux	Bourgogne, France	POU	46 36 52.6N	4 21 54.7E			
Powhatan	Arkansas, USA	POW	36 09 07.2N	91 11 06.0W	156		*Closed*. From 1974 VI 19 to 1992 II.
Poza Rica	Veracruz, México	PZX	20 32 20N	97 27 33W	150		*Closed*.
Prado	Colombia	PRAC	3 41 42.9N	74 54 04.6W	414		From 1994.
Pradon	Provence-Côte d'Azur, France	PRAF	43 48 15.5N	5 10 09.1E	700		Bastide du Pradon. From 1982 XI.
Prague	Czech Republic	PRA	50 04 13N	14 25 59E	225		Praha.
Prapat	Sumatera, Indonesia	PSI	2 41 42.0N	98 55 26.4E			
Prato−Toscana	Italy	PRT	43 52 48N	11 05 39E	61		Prato−in−Toscana.
Prazzo	Italy	PZZ	44 30 18.0N	7 06 04.8E	1420		Piemonte.
Presa B. Juárez	Oaxaca, México	PBJ	16 26 12N	95 24 24W	213		Presa Benito Juárez.
Presa Caracol 1	Guerrero, México	CC1	17 56 24.0N	100 00 36.0W	1000		Presa El Caracol No 1.
Presa Caracol 2	Guerrero, México	CC2	17 59 34.8N	100 06 03.6W	1000		Presa El Caracol No 2. Position corrected 1987.
Presa Caracol 3	Guerrero, México	CC3	17 59 18.6N	99 59 04.8W			Presa El Caracol No 3.
Presa Caracol 4	Guerrero, México	CC4	18 01 12N	99 54 00W	1000		Presa El Caracol No 4. Position corrected 1984.
Presa Caracol 5	Guerrero, México	CC5	17 32 24.0N	99 16 40.8W			Presa El Caracol No 5.
Presa Infiernillo	Guerrero, México	PIM	18 16 30N	101 52 54W	81		
Presa Madin	México D.F., México	MDVM	19 32 11.4N	99 14 56.4W	2405		
Presa Malpaso	Chiapas, México	PMM	17 10 12N	93 36 10W	215		
Presa Penitas 1	Chiapas, México	PN1	17 28 08.4N	93 29 16.8W			
Presa Penitas 2	Chiapas, México	PN2	17 26 16.8N	93 27 01.8W			
Presa Penitas 3	Chiapas, México	PN3	17 21 14.4N	93 36 28.8W			
Presa Penitas 4	Chiapas, México	PN4	17 10 44.4N	93 23 42.0W			
Preselentsi	Bulgaria	PSN	43 40 55.9N	28 11 01.0E	171		From 1983 VIII 01.
Presidente	São Paulo, Brazil	PPD	22 01 53S	51 18 43W	406		Presidente Prudente. From 1988 II.
Presidio of S.F.	California, USA	JPRM	37 47 42.0N	122 28 25.8W	107		Presidio of San Francisco. Latitude Mar 1993.
		JPRM					From 1968 IX 26 to 1969 II 11 from 1976 IV.
Presque Isle		CBM	*See* Caribou				
Pretoria	Transvaal, South Africa	PRE	25 45 12S	28 11 24E	1333		*Closed*. From 1949.
Price	Alaska and Aleutians, USA	KPE	64 27 39.0N	146 53 44.4W	204		From 1994 X.
Price	Utah, USA	PCU	39 36 24N	110 48 18W	1714		From 1962 V.
Prieska	Cape Province, South Africa	PKA	29 40 12S	22 45 24E	960		From 1993 III.
Priest	California, USA	PRI	36 08 30N	120 39 54W	1187		From 1961.
Prince George	British Columbia, Canada	PG−	53 59 50N	122 31 23W	914		*Closed*.
Prince Rupert	British Columbia, Canada	RUB	54 19 34.3N	130 17 04.9W	35		From 1985 IX.
Princeton	British Columbia, Canada	PD−	49 23 32N	120 28 35W	914		*Closed*. From 1962 VII 06 to 1962 VII 17.
Princeton (NJ)	New Jersey, USA	PRIN	40 22 00.7N	74 43 04.5W	110		From 1977 III.
Princeton WV	West Virginia, USA	PWV	37 20 09.6N	81 02 52.1W	829		Station moved 1994. From 1978 III.
Prodhromos	Cyprus	CSS	34 57 44N	33 19 50E	396		Cyprus Station − Prodhromos Mathiati. From
		CSS					1984 VII 26.
Promontory Point	Utah, USA	PPU	41 18 38N	112 25 49W	1874		*Closed*.
Prospect	Texas, USA	PRST	31 57 07.2N	94 37 58.8W	220		
Prospect	Trinidad and Tobago	TPR	11 11 09.6N	60 46 37.2W	245		From 1978 II 20.
Prospectdale	Virginia, USA	ELN	37 13 42N	80 45 06W	634		
Prosser	Washington, USA	PRW	46 12 45.6N	119 41 09.0W	552		From 1975 VI.
Průhonice	Czech Republic	PRU	49 59 18N	14 32 30E	302		
Pruna	Spain	EPRU	36 57 57.6N	5 13 52.8W	560		From 1986 XI.
Przheval'sk	Kirgiziya, CIS	PRZ	42 29N	78 24E	1599		
Pto de San José	Guatemala	PSG	13 56 52.2N	90 47 29.4W	5		*Closed*. Replaced by PSG2. From 1981 XI to
		PSG					1988.
Pto San José 2	Guatemala	PSG2	13 57 07.8N	90 48 55.8W	5		Pto de San José 2. From 1988.
Puale Bay	Alaska and Aleutians, USA	PUB	57 46 24N	155 31 00W	280		From 1974.
Pucara	Ecuador	PUCR	3 12 36S	79 30W	3000		From 1995 VII 21.
Puebla	Puebla, México	CIPM	17 57 43.2N	97 51 14.4W			
Puebla	Puebla, México	CXP	18 16 31.4N	97 08 30.3W			
Puebla	Puebla, México	PUE	19 02 30N	98 11 48W	2162		
Pueblo Viejo	Peru	PVP	15 47 29S	74 13 16W	233		*Closed*.
Puerto Armuelles	Panama	ARM	8 16 59.4N	82 51 59.4W	10		*Closed*. Entered Nov 1996 − ARM formerly
		ARM					reserved for Armidale.
Puerto Armuelles 2	Panama	ARM2	8 06 00.0N	82 52 00.0W	10		
Puerto Ayora	Galápagos	PAYG	0 40 26.8S	90 17 08.9W	265		
Puerto del Eden	Guerrero, México	PDEM	17 27 47.4N	100 44 27.6W	1620		
Puerto del Gallo	Guerrero, México	PGOM	17 28 19.2N	100 10 49.2W	2560		
Puerto Escondido	Oaxaca, México	PEO	15 51 04.2N	97 03 19.8W	3		
Puerto Escondido	Oaxaca, México	PEX	15 51 43.2N	97 03 40.2W			
Puerto Galera	Mindoro, Philippines	PGP	13 30 07N	120 57 11E	375		From 1977 V 22.
Puerto La Cruz	Venezuela	PCRV	10 10 34.3N	64 38 10.0W	450		
Puertollano	Spain	NE13	38 41 06.0N	4 05 27.6W	700		From 1983 V.
Pto Princesa	Palawan, Philippines	PPR	9 46 34N	118 43 48E	15		Puerto Princesa. From 1972.
Puerto Rico		VQS	*See* Vieques				
Puka	Albania	PUK	42 02 33.7N	19 53 34.1E	900		
Puketiti	North Island, New Zealand	PUZ	38 04 24.0S	178 15 25.8E	420		From 1988 IX.
Pulasari	Jawa, Indonesia	PULI	6 20 42S	105 58 32E	1346		
Pulaski	Virginia, USA	PUV	37 01 32.5N	80 48 56.9W	652		From 1978.
Pulau−Weh	Sumatera, Indonesia	PWS	5 50N	95 18E			*Closed*.
Pulchoki	Nepal	PKI	27 34 15.6N	85 24 32.4E	2758		From 1978 XI.
Pulheim	Nordrhein-Westfalen, Germany	PLH	51 00 19.2N	6 49 13.8E	−300		From 1981.
Pulkovo	Leningradskaya Obl., RF, CIS	PUL	59 46N	30 19E	65		
Pune	Maharashtra, India	PUNE	18 31 46.4N	73 50 56.8E	600		
Puno	Peru	PUN	15 52 30S	69 59 46W	3860		
Punta Arenas	Magallanes, Chile	PTA	53 09 19S	70 54 02W	10		*Closed*.
Punta Banda	Baja California, México	PBX	31 44 31.2N	116 43 31.8W	330		From 1982 IV 16.
Punta Burica	Costa Rica	PBC	8 26 37.2N	83 04 15.6W	140		From 1985 I.
Punta Talca	Santiago, Chile	PUT	33 25 07.3S	71 41 47.2W	25		From 1975.
Puntijarka	Croatia	PTJ	45 54 32.4N	15 58 22.8E	1023		
Pupakea	Hawaii, Hawaiian Islands	PUP	21 38 50N	158 01 40W			*Closed*. From 1960 to 1965.
Puquio	Peru	PP06	14 41 43.8S	74 07 24.6W	3200		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Purari	Papua New Guinea	PUR	6 59 17S	145 04 24E	300		From 1975 VII 11.
Purvis	Mississippi, USA	PU−	31 09 07N	89 32 56W	91		*Closed*. From 1965 II 26 to 1965 III 03.
Pusan	South Korea	PUS	35 06N	129 02E	71		*Closed*. Fusan, Husan.
Putnam	New York, USA	PUTN	41 22 54.6N	73 49 42.0W	170		
Puu Honuaula	Hawaii, Hawaiian Islands	PHO	19 28 54N	154 53 24W	215		From 1970 IV.
Puu Huluhulu	Hawaii, Hawaiian Islands	PHH	19 22 30N	155 12 30W	1021		*Closed*. From 1969 VII to 1973 XI.
Puu Kaliu	Hawaii, Hawaiian Islands	PKL	19 27 28.8N	154 55 15.6W	271		
Puu Kamoamoa	Hawaii, Hawaiian Islands	KMH	19 23 28.2N	155 06 58.8W	750		
Puu Pili	Hawaii, Hawaiian Islands	PPL	19 09 30.0N	155 27 52.2W	35		
Puu Ulaula	Hawaii, Hawaiian Islands	PLL	19 32 00.0N	155 27 40.2W	2992		
Puy−de−Dôme	Auvergne, France	PDD	45 46N	2 58E	1450		*Closed*.
Puyloubier	Provence-Côte d'Azur, France	PUYF	43 31 56.3N	5 42 01.1E	460		
Puysegur Point	South Island, New Zealand	PPZ	46 08 26S	166 37 36E	3		*Closed*. From 1972 IV 06 to 1972 IV 24.
Pyatigorsk	Stravropol'skiy Kray, RF, CIS	PYA	44 02 00N	43 03 30E	497		
Pyŏngyang	North Korea	PYO	39 02N	125 45E	51		*Closed*. Heijo Heizo.
Pyramid	California, USA	PYR	34 34 04.8N	118 44 27.9W	1247		
Qairoon Hariti	Muscat and Oman	QHRO	17 15 10.1N	54 05 07.4E	790		From 1998 VIII 27.
Qassim	Saudi Arabia	QASM	26 05 24.0N	43 31 58.8E	675		From 1988 I.
Qassioun	Syria	QASN	33 31 58.1N	36 16 34.1E	990		From 1994 XII.
Qatafi	Jordan	QTFJ	31 49 22.8N	37 28 48.0E	648		From 1990 III 05.
Qatrana	Jordan	QTRJ	31 18 00N	36 00 36E	876		From 1988 II 20.
Qibla Bandi	Pakistan	QIB	33 54 02.4N	72 35 33.0E	396		
Qingdao	Shandong (Shantung), China	TSN	36 04N	120 19E	70		Tsingtao, Ch'ing−tao.
Qiongzhong	Hainan Dao, China	QIZ	19 01 46N	109 50 36E	230		BJI code QZN.
Quabbin	Massachusetts, USA	QUA	42 27 23.8N	72 22 25.8W	201		*Closed*. From 1977 V 07 to 1999 I.
Quail Lake	California, USA	QAL	34 44 58.8N	118 42 52.8W	1256		
Qualls	Arkansas, USA	QUAR	35 38 38.2N	90 38 56.9W	115		
Quanzhou	Fujian (Fukien), China	QZH	24 56 35.2N	118 35 30.2E	21		*QZN* Quan Zhou. From 1970 X.
Quan Zhou		QZH	*See* Quanzhou				
Quarto	Italy	QRI	40 52 40.8N	14 08 44.9E			
Quartz Hill	North Island, New Zealand	QHW	41 15 07S	174 41 26E	190		From 1985 X 15.
Quartz Mt.	Oklahoma, USA	QZO	34 54 18.6N	99 18 19.1W	488		Quartz Mountain State Park.
Quartz Mountain	Oklahoma, USA	QMO QMO	34 53 34.5N	99 18 25.4W	479		*Closed*. Quartz Mountain State Park. Operated by TUL. From 1977 VII 29 to 1980.
Quartz Range	South Island, New Zealand	QRZ	40 49 39S	172 31 44E	260		From 1990 IV.
Quattro Castella	Italy	QCI	43 49N	11 13E	120		*Closed*.
Québec	Quebec, Canada	QBC	46 46 44N	71 16 33W	91		*QCL**QCQ*
Queen Charlotte	British Columbia, Canada	QCC	53 15 18N	132 05 18W	3		Queen Charlotte City.
Queen City	Nevada, USA	QCS	37 46 04N	115 54 59W	1890		Queen City Summit. From 1979 VI 08.
Queen Creek	Arizona, USA	QC−	33 11 03N	111 38 02W	610		*Closed*.
Queen of Sheba	California, USA	QSM	35 57 56N	116 52 06W	385		Queen of Sheba Mine. From 1978 XI 28.
Queensboro Lake	New York, USA	QLNY	41 18 33N	74 02 15W	238		
Queensbury	England, UK	QMB	53 45 54N	1 51 27W	116		*Closed*. From 1974 VII 10 to 1979 XI 15.
Queenstown	Tasmania, Australia	QTN	43 06S	145 36E			
Quéntar	Spain	EQUE	37 12 18N	3 26 24W	1050		From 1995 IV 15.
Quepos	Costa Rica	QCR	9 25 26.9N	84 09 55.2W	45		Correction to coordinates 1991.
Quepos	Costa Rica	QPS	9 24 11.2N	84 07 56.1W	83		From 1984 III 17.
Quesnel	British Columbia, Canada	QN−	52 57 25N	122 23 45W	610		*Closed*. From 1962 X 26 to 1962 X 27.
Quetta	Pakistan	QUE	30 11 18N	66 57 00E	1721	WWSSN	From 1954.
Quezalapa	El Salvador	QZA	13 31 26N	88 59 49W	250		
Quezaltepeque	Guatemala	QZG	14 38 10.8N	89 23 02.4W	1798		From 1981 I.
Quezon City	Luzon, Philippines	QCP	14 38 13.3N	121 04 37.5E	58		
Quezon City	Luzon, Philippines	QVP	14 37 23N	121 00 14E	50		From 1991.
Quien Sabe	California, USA	QSR QSR	36 50 01.2N	121 12 45.6W	536		*AN13***HQRH* Quien Sabe Ranch. From 1969 V 29.
Quillagua	Antofagasta, Chile	QUL	21 39 20S	69 31 42W	800		
Quillmana	Peru	QUM	12 57 18S	76 23 12W	500		*Closed*.
Quilmaná	Peru	PT02	12 56 36S	76 26 12W	500		
Quilotoa	Ecuador	QIL1	0 50 43.2S	78 56 01.8W	3340		From 1992 V 13.
Quilotoa	Ecuador	QUIL	0 45 25.0S	78 55 30.7W	3430		From 1991.
Quilpie	Queensland, Australia	QLP	26 35 01.3S	144 14 05.3E	210		From 1989 VIII 12.
Quinn River V.	Nevada, USA	QRV QRV	41 41 50N	117 57 18W	1433		*Closed*. Quinn River Valley. From 1974 III to 1975 VIII.
Quistinic	Bretagne, France	QUIF	47 55 00N	3 09 56W	125		From 1996 IV 03.
Quititos	Ecuador	QITI	0 47 09.0N	79 59 58.2W	386		From 1992 IV 28.
Quito	Ecuador	OAQ	0 12 57S	78 29 56W	2816		*Closed*. From 1978 III to 1980.
Quito	Ecuador	QTO QTO	0 12 30.4S	78 31 55.8W	3270	WWSSN	*Closed*. Quito (Estacion Pichincha). Correction to position Jul 1990. From 1988 IX to 1991 XII 30.
Quito	Ecuador	QUI	0 12 00.5S	78 30 01.8W	2837	WWSSN	*Closed*.
Qund	Ecuador	QUND	0 19 00.6N	79 28 50.4W	330		*Closed*. From 1994 IV to 1994 IX.
Qutrana	Jordan	QUTJ	31 17 55.2N	36 00 36.0E	876		From 1987.
Rabalanakaia	New Britain	RAL	4 13 13S	152 12 07E	91		From 1967.
Rabat	Morocco	RBA	34 00 32N	6 50 26W	39		From 1966 III.
Rabat Centre	Morocco	RTC	33 59 24N	6 51 29W	50		
Rabat Zaers	Morocco	RBZ	33 55 45.2N	6 50 24.1W	116		*Closed*. From 1968 I to 1977.
Rabaul	New Britain	RAB	4 11 33.6S	152 09 46.7E	185	WWSSN	Correction to coordinates Sep 1992. From 1940.
Rabaul (IGS)	New Britain	ERB	4 11 35.4S	152 09 45.0E	180		*Closed*.
Rabinal	Guatemala	RDG	15 00 27.0N	90 28 18.6W	1930		Rodenal. From 1978 VI.
Racibórz	Poland	RAC	50 05 00N	18 11 39E	209		Ratibor.
Rackout Springs	California, USA	KRKM	39 33 46.2N	123 10 55.8W	1280		MNLO code KRK.
Radio Antilles	St Vincent, WIAS	RSV	13 18 25.2N	61 14 09.6W	8		From 1979 XI 20.
Ragged Mountain	Alaska and Aleutians, USA	RAGM	60 23 13.2N	144 40 30.6W	739		From 1984.
Ragged Mountain	Alaska and Aleutians, USA	RGD	60 13 09.0N	144 32 44.4W	610		
Raibl	Italy	RBL	46 26 30N	13 34 06E	900		*Closed*. From 1978 II 06 to 1988 I 01.
Railroad Flat S	California, USA	MRFM	38 14 43.1N	120 31 14.5W	799		From 1976 VII 12.
Rainbow Creek	Oregon, USA	VRC	42 20 12N	122 13 03W			From 1993 X 07.
Rainbow Mont	Utah, USA	RMU RMU	37 04 33.6N	110 58 12.0W	1536		*Closed*. Rainbow Monument. To 1978 III from 1981 IX.
Rainbow Mt.	North Island, New Zealand	RBY	38 19 16S	176 23 16E			*Closed*. From 1984 I to 1984 IV.
Rainelle	West Virginia, USA	RN−	38 04 35N	80 50 54W	853		*Closed*. From 1962 XII 31 to 1963 V 16.
Rainier	Washington, USA	RAIO	46 02 25.1N	122 53 06.4W	11		
Rainshed	Hawaii, Hawaiian Islands	RSD	19 27 46.8N	155 16 40.8W	1270		
Rainy Point	North Island, New Zealand	RAEZ	39 17 18S	174 23 36E	326		
Rakhov	Ukraina, CIS	RAK	47 57N	24 10E			*Closed*.
Raluana Point	New Britain	RPT	4 17 42.6S	152 12 57.6E	1		From 1972.
Raman	Turkey	RAM	37 45 57N	41 17 33E	850		From 1964.
Ramapo Mt.	New Jersey, USA	RAMA	41 05 42.6N	74 10 50.4W	247		From 1978 XI 21.
Ramite	Nepal	RAMN	26 57N	86 36E	2134		From 1994 IV.
Rammel Mt.	Wyoming, USA	RAMW	43 53 20.3N	110 57 00.8W	2512		From 1986 I.
Rancho Bola	Spain	RANB	36 37 59.4N	6 08 18.6W	120		From 1993 IV.
Rancho Dowling	Baja California, México	RDX	31 55 56.4N	115 56 51.0W	1680		From 1989 IX 29.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Rancho Maria	Ecuador	MARY	0 44 01.2S	78 29 12.6W	3700		From 1990 IX 07.
Rancho Navarro	California, USA	GRNM	39 10 31.2N	123 34 31.8W	73		MNLO code GRN.
Rancho Palos Verdes		RPV	*See* R. Palos Verdes				
Rancho San Jose	Baja California, México	RSJ	30 58 24N	115 44 42W	650		
Rangely	Colorado, USA	RGC	40 06 15.0N	108 55 37.2W			From 1975 II 01.
Rangipo	North Island, New Zealand	RGZ	39 09 19S	175 50 02E			*Closed*. From 1984 VIII to 1989 IV.
Rangitukua	North Island, New Zealand	RATZ	38 52 07S	175 46 16E	649		From 1984 XII.
Rangndo	Bali, Indonesia	RANI	8 27 09S	114 56 58E	500		
Rangoon	Myanmar	RAN	16 52N	96 11E	14		*Closed*.
Raoul Island	Kermadec Islands, New Zealand	RAO RAO	29 15 06S	177 55 06W	110		
Rapa Nui	Easter Island	RPN	27 07 36S	109 20 04W	110		From 1987 VII.
Rapid City	South Dakota, USA	RCD RCD	44 04 30N	103 12 30W	995	WWSSN	From 1943 to 1967 IV from 1969 XII to 1974 XI from 1978 XI.
Rapindik	New Britain	RAP	4 13 44S	152 11 48E	3		*Closed*. From 1950 to 1958.
Rarotonga	Cook Islands	RAR	21 12 45S	159 46 24W	28	WWSSN	From 1965 VIII.
Ras Al Marh	Syria	MARH	34 01 34.1N	36 28 54.0E	2640		From 1994 XII.
Ras En−Naqb	Jordan	NAQJ	30 00N	35 30E	1640		From 1990 III 15.
Raspberry Island	Alaska and Aleutians, USA	RAI	58 03 37.8N	153 09 33.1W	520		From 1975 X.
Rata	Bali, Indonesia	RATI	8 43 24S	115 31 56E	400		
Rathfarnham	Ireland	DUB	53 17 55N	6 16 57W	52		*Closed*. Dublin Rathfarnham Castle.
Ratibor		RAC	*See* Racibórz				
Rat Island	Alaska and Aleutians, USA	RAT	51 47 56.7N	178 19 48.3E	226		*Closed*. From 1970 X 14 to 1973 IV 30.
Raton	New Mexico, USA	RT− RT−	36 43 46N	104 21 37W	1951		*Closed*. From 1961 XII 04 to 1962 II 15 from 1963 VIII 14 to 1965 III 22.
Rattlesnake Hills	Washington, USA	RSW	46 23 28.2N	119 35 19.2W	1037		From 1970 VII.
Rattlesnake Mt.	Washington, USA	RMW	47 27 34.9N	121 48 19.2W	1024		
Rattlesnake Point	California, USA	ORAM	39 28 07.3N	121 24 48.6W	588		From 1975 VIII 05.
Raurimu	North Island, New Zealand	RUZ	39 07 37S	175 20 16E	450		*Closed*. From 1990 VIII 14 to 1992 VI.
Rausu	Nemuro, Hokkaidō, Japan	JRA	43 56 16.2N	145 07 19.2E	10		
Rauvai	Tuamotu, French Polynesia	RUV	15 11 20S	147 23 02W	3		
Ravensbos	Netherlands	RSB	50 53 18N	5 49 57E	135		*Closed*. From 1970 II to 1972 IV 10.
Ravensburg	Baden-Württemberg, Germany	RAV	47 47 00N	9 36 50E	460		*Closed*. To 1994 IX 30.
Raywood Flat	California, USA	RAY	34 02 10.7N	116 48 40.3W	2342		
Reay	Scotland, UK	ORE	58 32 52.8N	3 45 43.9W	100		From 1995 IX 21.
Receiver Site	Nevada, USA	NYR	37 03 19.2N	116 05 30.0W	1279		*Closed*. From 1971 I to 1973 I.
Reche Mountain	California, USA	RCH	34 18 26.4N	116 21 01.8W	841		From 1979 IV.
Recreation Park	California, USA	RCP2	33 46 39.6N	118 08 00.0W	−85		From 1985 III 22.
Recreo	Guatemala	REC	14 26 15.0N	90 31 21.6W	1500		From 1975 IV.
Red Butte Can.	Utah, USA	RBU	40 46 51N	111 48 30W	1676		Red Butte Canyon. From 1974 VI.
Redding Peak	California, USA	LRDM	40 27 51.1N	121 27 40.3W	859		From 1976 XI 12.
Red Hill	Tennessee, USA	RHT	35 04 41.2N	84 52 57.0W	299		
Red Hills	Jamaica	RHJ	18 04 14.5N	76 51 14.5W	780		From 1993 XI.
Redig	South Dakota, USA	RG−	45 12 59N	103 32 05W	945		*Closed*. From 1965 X 25 to 1966 IX 26.
Red Lake	Ontario, Canada	RK−	50 50 20N	93 40 20W	366		*Closed*.
Red Lake	Ontario, Canada	RSON	50 51 32N	93 42 08W	335		*Closed*. From 1982 to 1990 X 01.
Red Mt.	California, USA	KRMM	41 31 18.6N	123 54 18.6W	1280		
Redondo Peak	New Mexico, USA	REDP	35 52 16N	106 33 46W	3417		From 1977 X.
Redoubt	Alaska and Aleutians, USA	RDT	60 34 25.8N	152 24 22.2W	930		Mt Redoubt. From 1971 VIII 09.
Redoubt E Flank	Alaska and Aleutians, USA	REF	60 29 21N	152 42 06W	1801		From 1990 III 14.
Redoubt North	Alaska and Aleutians, USA	RDN	60 30 49.8N	152 45 46.8W	1372		From 1988.
Redoubt South	Alaska and Aleutians, USA	RSO	60 27 43.8N	152 45 13.8W	1921		From 1990 III 01.
Redoubt South 1	Alaska and Aleutians, USA	RS1	60 27 36.6N	152 45 28.8W	1864		From 1990 IX 10.
Redoubt South 2	Alaska and Aleutians, USA	RS2	60 27 46.8N	152 45 26.4W	1953		From 1990 IX 10.
Redoubt Volcano	Alaska and Aleutians, USA	RED	60 25 08N	152 46 19W	1067		From 1974.
Redoubt West	Alaska and Aleutians, USA	RDW	60 28 57.6N	152 48 34.2W	1813		From 1990 IX 07.
Red Ridge	Idaho, USA	RRI	43 21 46.8N	111 20 16.8W	2408		*Closed*. From 1985 VII 20 to 1986 VII 02.
Red Ridge	Idaho, USA	RRI2	43 21 50.4N	111 19 08.4W	2566		From 1986 VII 02.
Red Rock Canyon	California, USA	MRCM	37 40 18.0N	118 30 22.8W	2030		From 1986 VII 23.
Red Rock Canyon	Oklahoma, USA	RRO RRO	35 27 24.9N	98 21 30.4W	482		Red Rock Canyon State Park. Operated by TUL. From 1978 VIII 09.
Red Spur Mt.	Utah, USA	RSUT	41 38 18.6N	111 24 54.0W	2682		From 1979 X.
Red Top Meadow	Wyoming, USA	REDW	43 21 44.6N	110 51 06.4W	2192		From 1986 I.
Redwood Retreat	California, USA	JRRM	37 03 16.2N	121 43 36.5W	408		From 1976 I 09.
Reedy Creek 5	Queensland, Australia	WRCQ	27 11 14.6S	152 39 47.2E			From 1984 VII 11.
Refugio	Ecuador	RETU	1 27 04.3S	78 26 45.9W	4050		From 1994 XII 02.
Regar	Tadzhikistan, CIS	RGR	38 30N	68 14E			*REG**
Reggio Calabria	Italy	RCI	38 06 20N	15 38 36E	29		Reggio−di−Calabria.
Reichold	Alabama, USA	RHA	33 14 30.0N	87 27 57.6W	83		From 1971 I 09.
Reidovoe	Sakhalinskaya Obl., RF, CIS	REI	45 16N	148 01E			*RED*, Reydovo.
Reindeer	Alaska and Aleutians, USA	RND	63 24 22.2N	148 51 10.2W	991		From 1986.
Reko	Solomon Islands	RKS	9 09 23S	159 48 29E			
Relizane	Algeria	REL	35 45N	0 33E	75		*Closed*. From 1955 to 1961.
Relizane	Algeria	RLA	35 35N	0 35E	180		
Rembrandt	Washington, USA	REMW	46 11 57N	122 11 03W	2102		From 1987 I.
Remote	Alaska and Aleutians, USA	REM	65 57 18.0N	164 34 40.2W	300		
Remote	Alaska and Aleutians, USA	RON	62 41 28.2N	150 12 13.2W	470		*Closed*. From 1971 VIII to 1974 X.
Renegade Can. W	California, USA	RCWM RCWM	35 57 00.7N	117 38 50.3W	954		*WRCM* Renegade Canyon West. From 1975 IX 26.
Reno	Nevada, USA	REN	39 32 24N	119 48 47W	1383		*Closed*. From 1911 to 1975 II.
Reno Superiore	Italy	RSP	45 09 06.0N	7 15 25.8E	1250		Piemonte.
Rentapao	Vanuatu (New Hebrides)	RTV	17 47 33.0S	168 25 28.8E			
Rep. San Marino	San Marino	RSM	43 55 39.7N	12 27 08.4E			ROM provisional code was RS9. From 1988.
Reservoir Flats	Montana, USA	RFM	46 06 16.8N	112 29 12.6W	2353		*Closed*. From 1984 to 1987 XI 13.
Resinera	Spain	RESI	36 52 23.4N	3 04 12.0W	1322		
Resolute Bay	Northwest Territories, Canada	RES	74 41 12N	94 54 00W	15		
Reston−USGS	Virginia, USA	GSR	38 56 52.5N	77 22 10.5W	119		From 1975 VI 01.
Retamin	Israel	RTMM	31 03 00N	34 40 48E	200		
Réunion	Réunion	REU	21 11 42S	55 34 38E	1550		From 1968 V 03.
Reveille Range	Nevada, USA	RVE	38 01 11N	116 11 31W	2290		*Closed*. From 1979 VI 08 to 1981.
Revere	Provence-Côte d'Azur, France	REVF	43 44 24N	7 22 03E	700		
Revivim	Israel	RVVM	31 02 24N	34 43 12E	200		
Rexburg	Idaho, USA	REX	43 48 45N	111 47 00W	1532		From 1972 IV 20.
Rexford	Montana, USA	RXF	48 51 53.4N	115 07 27.0W	1231		From 1976 X 01.
Reyes Peak	California, USA	RYS	34 38 35.9N	119 21 04.7W	1841		From 1976 VI.
Reykjavík	Iceland	REY	64 07 40N	21 54 18W	44		
Rhenigidale	Scotland, UK	RRH	57 55 10.9N	6 41 17.5W	103		From 1995 IX 10.
Rhiw	Wales, UK	YRH	52 50 00.6N	4 37 44.4W	300		From 1984.
Rhoboro Hills	South Island, New Zealand	RHP	44 06 03S	170 05 02E	899		*Closed*. From 1975 VI 01 to 1983 XI 21.
Rhodes		ARG	*See* Arkhángelos				
Rhodes	Greece	RHO	36 26 14N	28 13 25E	45		*Closed*. From 1965 XI 18 to 1966 IV 04.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Rhoscolyn	Wales, UK	YRC	53 15 02.2N	4 34 26.8W	24		From 1984.
Ribeira da Areia	Azores	RIA	38 39 35N	28 02 22W	420		*RIA0* From 1981 VII 01.
Ribeirinha	Azores	PID	38 26 32.0N	28 07 09W	450		Ribeirinha do Pico.
Ribeirinha	Azores	RIB	37 47 58.3N	25 27 39.8W	526		
Ribeirinha	Azores	RIB2	38 40 17.8N	27 10 27.4W	387		From 1983 X 01.
Riberalta	Bolivia	RTA	11 00 24S	66 04 42W	175		*Closed*.
Rib Lake	Wisconsin, USA	RL−	45 18 29N	90 05 55W	472		*Closed*. From 1963 IV 10 to 1963 V 13.
Rice Lake	Wisconsin, USA	RLW	45 39 35N	91 33 34W			
Riceville	Tennessee, USA	RCT	35 20 43.1N	84 39 41.0W	265		
Richard Wilkes	California, USA	ARWM	38 57 22.7N	121 09 43.9W	320		Richard P Wilkes. From 1976 I 29.
Richland	Washington, USA	RCW	46 20 50N	119 16 28W	390		
Richland Balsam	North Carolina, USA	RBNC	35 21 25.2N	82 59 09.6W	1829		From 1982 V 26.
Richmond	England, UK	LRN	54 25 00.1N	1 47 08.9W	300		From 1991.
Richmond	Florida, USA	RIC	25 37N	80 25W			*Closed*.
Richmond Field	California, USA	RFSB	37 54 58.2N	122 20 06.1W	−87		
Rich Mountain	North Carolina, USA	RICH	35 55 12N	82 49 12W	968		From 1983 VI 19.
Rickey Ranch	California, USA	ARRM	38 45 55.1N	121 10 18.5W	127		From 1976 XII 02.
Ridgway	Colorado, USA	RW1	38 15 31.2N	107 47 20.4W	2443		From 1983.
Ridgway	Colorado, USA	RW2	38 18 28.8N	107 43 38.4W	2405		From 1983.
Ridgway	Colorado, USA	RW3	38 15 00.6N	107 41 13.2W	2603		From 1983.
Ridgway	Colorado, USA	RW4	38 09 24.6N	107 36 56.4W	2739		From 1983.
Ridgway	Colorado, USA	RW5	38 04 48N	107 49 57W	2991		From 1983.
Ridgway	Colorado, USA	RW6	38 12 08.4N	107 56 01.8W	3063		From 1983.
Rifaina	São Paulo, Brazil	RIFB	20 04 25.3S	47 30 06.8W	860		From 1993 I.
Right Bank House		RBH	*See* Pihur				
Rijeka	Croatia	RIY	45 20 38.4N	14 23 09.6E	75		From 1989 V 04.
Rikitea	Gambier Islands, French Polynesia	RKT RKT	23 07 11S	134 58 24W	100		
Rilland Hill	St Vincent, WIAS	SRH	13 11 09.6N	61 15 14.4W	274		
Rim	Hawaii, Hawaiian Islands	RIM	19 23 54N	155 16 36W	1128		From 1973 V.
Rimrock	California, USA	RMR	34 12 46.2N	116 34 31.2W	1702		
Rio Blanco	Colorado, USA	RBC	39 50 33N	108 23 32W	1996		*Closed*. From 1973 I to 1973 XII.
Río Carpintero	Cuba	RCC	19 59 39N	75 41 45W	100		From 1965 VII 25.
Rio de Janeiro	Rio de Janeiro, Brazil	RDJ	22 53 42S	43 13 24W	29		
Rio Frio	México D.F., México	RFVM	19 19 59.4N	98 45 42.0W	3105		
Rio Grant	New Mexico, USA	RIO RIO	35 45 17N	106 10 32W	2073		*Closed*. Caja del Rio. From 1975 II 21 to 1976 IX 17.
Río Hardy	Sonora, México	RHM	32 08 32N	115 17 10W	10		From 1969 II 16.
Riolos of Patras	Greece	RLS	38 03 28N	21 28 00E	100		From 1976 VII 15.
Rio Piedras	Spain	ERIP	37 22 22.3N	7 15 18.5W	82		From 1995 XI 22.
Rio Tinto	Spain	TINT	37 46 00N	6 38 00W			*Closed*.
Riou	Alaska and Aleutians, USA	RIU	59 52 41.9N	141 13 41.9W	15		
Rio Vista Mine	California, USA	RVM	34 10 49N	114 12 01W	243		From 1977 V.
Rishiri	Sōya, Hokkaidō, Japan	JRR	45 08 16.2N	141 18 40.2E	27		
Rita Coyotepec	México D.F., México	IIC	19 46 01.2N	99 15 28.8W	2725		
Riverside	California, USA	RVR	33 59 36N	117 22 30W	260		From 1926 X 19.
Riverside	Utah, USA	RVUT	41 50 18N	112 15 33W	1951		*Closed*. From 1979 IX to 1980 X.
Riverside Mts	California, USA	RVS	34 02 04.8N	114 31 04.8W	677		From 1974 IV.
Riverview	New South Wales, Australia	RIV	33 49 45.7S	151 09 30.0E	25	WWSSN	
Rivière Ouelle	Quebec, Canada	A16	47 28 14N	70 00 23W	15		From 1977 VIII 30.
Riyadh	Saudi Arabia	RYD	24 43 12N	46 36 36E	649		From 1986.
Roach Canyon	California, USA	PRCM	36 15 22.2N	120 37 12.0W	623		
Robert Jensen	California, USA	ARJM	38 41 11.4N	120 57 22.7W	460		From 1976 XII 02.
Robinson Crusoe Island		IJF	*See* Juan Fernandez I.				
Roburent	Italy	ROB	44 17 41N	7 52 14E	806		
Rocca di Papa	Italy	RDP	41 45 30N	12 43 00E	760		*Closed*. To 1968.
Roccamonfina	Italy	RFI	41 18 01.6N	13 59 05.2E			From 1988 V.
Rochester	New York, USA	ROC	43 07 28.1N	77 35 32.2W	155		Rochester−Odenbach. From 1959 II 13.
Rochester (NY)	New York, USA	RMO RMO	43 07 54N	77 32 19W	141		*Closed*. Rochester−Mercier. From 1968 III 22 to 1971 IX.
Rock City	Georgia, USA	RCG	34 58 30.0N	85 20 52.8W	468		From 1981 X 23.
Rock Eagle	Georgia, USA	REG	33 26 31.6N	83 20 13.6W	178		From 1978 II.
Rockefeller Mts	King Edward VII Land, Antarctica	RMA RMA	78 08S	155 25W	390		*Closed*. From 1940 XI 17 to 1940 XII 28.
Rockland Lake	New York, USA	RLSP	41 08 43.2N	73 54 38.4W	61		
Rockport	Washington, USA	RPW	48 26 54N	121 30 49W	850		
Rockwell Inc.	Washington, USA	LOCW	46 43 04.8N	119 25 54.6W	201		From 1982 XI.
Rockwell Inc.	Washington, USA	MJ2	46 33 28N	119 21 50W	150		From 1989 III 13.
Rocky Gully	Western Australia, Australia	RKG	34 34 11.3S	117 00 37.4E	300		From 1983 VII.
Rocky Mountain		D4A	*See* Dickey				
Rocky Mountain	Georgia, USA	TVGG	34 22 37.9N	85 18 08.3W	323		*Closed*. Rocky Mountain Net. To 1989.
Rodeo	San Juan, Argentina	RTRS	30 10 12S	69 27 37W			
Rodeo Gulch Rd	California, USA	JRGM	37 02 13.2N	121 57 52.2W	213		Rodeo Gulch Road. From 1976 I 28.
Rodgers	California, USA	KRPM	41 09 29.4N	124 01 22.8W	829		
Rodhópi	Greece	RDO	41 08 46.2N	25 32 15.0E	100		From 1988.
Rodman Mt.	California, USA	ROD	34 37 46.9N	116 36 17.3W	1292		
Roellen	Missouri, USA	RELT	36 01 59.5N	89 18 07.9W	107		
Roger Stewart	South Carolina, USA	RGRS	32 54 19.8N	80 11 37.7W	−52		From 1986 VI 01.
Rognes	Norway	RGS	63 01 15.6N	10 26 06.0E	120		From 1985 XII 22.
Rognes	Provence-Côte d'Azur, France	ROG	43 41 02.4N	5 18 45.7E	310		
Rohtak	Haryana, India	ROH	28 54N	76 36E	220		*Closed*.
Rokugo	Iwate, Honshū, Japan	JRG	39 23 46.8N	140 38 01.8E	200		
Rolla	Missouri, USA	ROL	37 55 04N	91 52 08W	200		From 1965.
Rolling Mark	California, USA	BRMM	36 50 04.2N	120 49 25.3W	372		Rolling Bench Mark. From 1973 XII 03.
Roma	Queensland, Australia	RMQ	26 29 20.4S	148 45 18.0E	360		From 1984 VIII 11.
Roman Nose	Oregon, USA	RNO	43 54 44N	123 44 26W	875		From 1991 IX.
Rombauer	Missouri, USA	RMB	36 53 09.6N	90 16 40.8W	147		From 1974 VI 27.
Rome	Italy	ROM	41 54 12N	12 30 48E	45		*Closed*. Città Universitaria.
Rome, Mte Porzio	Italy	RMP	41 48 40.0N	12 42 08.4E	380		Monte Porzio Catone.
Rome (USA)	Georgia, USA	RMG	34 22 04.4N	85 16 53.8W	244		From 1979 V.
Roncone	Italy	RNI	45 58 54N	10 38 41E	1450		From 1981 VI 15.
Roopena	South Australia, Australia	RPA	32 43 30S	137 24 12E			
Roosevelt	Washington, USA	RPK	45 45 42N	120 13 50W	549		From 1975 XI.
Roosevelt Roads	Puerto Rico	RRD	18 14 09.6N	65 37 04.8W	40		*Closed*. From 1975 III.
Roosevelt Roads	Puerto Rico	RRP	18 14N	65 38W			*Closed*. To 1950.
Roosevelt Spr.	Utah, USA	RHU	38 28 20N	112 50 50W	1905		Roosevelt Hot Springs. From 1978 II.
Roppe	Franche Comté, France	ROF	47 40 50.2N	6 54 02.9E	500		1979−.
Roquetas del Mar	Spain	EROQ	40 49 23.4N	0 24 31.8E	284		From 1987 II.
Rosais	Azores	ROSA	38 43 10.2N	28 14 29.4W	310		Correction to coordinates 1994. From 1989 VII.
Rosebud	Illinois, USA	GOIL	37 17 24N	88 34 48W	165		*Closed*. To 1993 VI.
Roselend	Rhône-Alpes, France	RSL	45 41 18N	6 37 32E	1583		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Rose Lookout	Oklahoma, USA	RLO	36 09 54.6N	95 01 22.6W	341		Rose Lookout Tower. From 1977 V.
Rosemanowes	England, UK	CRQ	50 10 01.9N	5 10 22.1W	165		From 1981 II.
Rosemanowes	England, UK	CRQ2	50 10 01N	5 10 07W	152		From 1981.
Roseneath	North Island, New Zealand	ROS	41 17S	174 48E			*Closed*.
Rose Valley	Washington, USA	RVW	46 08 58.2N	122 44 37.2W	460		From 1981 II.
Rose V. Central	California, USA	RVCM	36 00 28.8N	117 53 24.0W	1067		*WRVM* Rose Valley Central. From 1975 IX 26.
Rossano	Italy	ROI	39 34 18.4N	16 34 09.2E	605		From 1979 VI.
Ross Creek	Utah, USA	RCJ	40 39 30.0N	111 26 18.6W	2097		From 1992 X 30.
Rostrenen	Bretagne, France	ROSF	48 20 11N	3 16 25W	260		From 1996 IV 03.
Rota	Nicaragua	RTN	12 32 00.0N	86 46 59.4W	240		From 1975.
Rotoiti	South Island, New Zealand	RTY	41 48 27S	172 50 35E	635		From 1984 VII 25.
Rotorua	North Island, New Zealand	ROT	38 08S	176 15E	284		*Closed*. From 1936 to 1942.
Rotten Point	Kentucky, USA	ROKY	37 54 32.4N	83 55 33.6W	433		
Rotterdam (NY)	New York, USA	ROTD	42 45 03.0N	74 05 13.8W	283		
Rotzenmühle	Bayern, Germany	ROTZ	49 46 39.5N	12 12 30.1E	430		
Rougiers	Provence-Côte d'Azur, France	ROU	43 24 04.9N	5 50 44.5E	500		*Closed*.
Round Butte Dam	Oregon, USA	VRBM	44 36 03.0N	121 16 12.6W	743		MNLO code VRB.
Round Mt.	California, USA	GROM	39 55 02.4N	122 40 13.8W	1274		
Round Mt.	California, USA	RMT	39 55 01.8N	122 40 10.2W			
Round Mountain	California, USA	RDM	34 24 00N	117 11 06W	1426		From 1976 XII.
Round Top Mt.	California, USA	GRTM	38 56 19.3N	122 40 10.9W	619		
Rowesville	South Carolina, USA	ROW	33 21 54N	80 47 40W			From 1977 X 23.
Roxburgh	South Island, New Zealand	ROX	45 28 33S	169 19 13E	106		*Closed*. To 1985 IV 30.
Royal City	Washington, USA	RC1	46 56 36N	119 26 00W	500		From 1988 V 27.
Rozhen	Bulgaria	RZN	41 41 16.8N	24 42 57.6E	1730		
R. Palos Verdes	California, USA	RPV	33 44 37.8N	118 24 12.6W	115		Rancho Palos Verdes. From 1993.
Rubha Reidh	Scotland, UK	RRR	57 51 27.7N	5 48 24.1W	61		From 1995 IX 10.
Rügen	Mecklenberg-Vorpommern, Germany	RGN RGN	54 32 51.7N	13 19 17.0E	15		
Rumangabo	Zaïre	RUM	1 20 24S	29 21 36E	1590		*Closed*. From 1955 to 1961 from 1967 V to 1969.
Rumipamba	Ecuador	QUR	0 10 18.0S	78 31 43.8W	3720		Elevation corrected Sept 1998. From 1988 VII 19.
Rumoi	Rumoi, Hokkaidō, Japan	RMJ	43 56 36N	141 38 12E	22		Rumoe.
Rundenannen	Norway	RUND	60 24 48.4N	5 22 01.5E	525		From 1997 IX.
Runtun	Ecuador	RUN2 RUN2	1 25 18.6S	78 24 47.4W	2430		Coordinates corrected Sept 1998. From 1994 XII 02.
Ruppelstein	Rheinland-Pfalz, Germany	RUP	49 42 06N	7 03 37E	750		From 1987.
Russellman Park	California, USA	CRPM	37 54 45.0N	121 54 19.8W	331		From 1970 IX 18.
Russell Springs	Kentucky, USA	RS−	37 11 55N	84 52 06W	274		*Closed*. From 1965 XII 03 to 1965 XII 13.
Russkaya	Kamchatskaya Obl., RF, CIS	RUS	52 25 55N	158 30 25E			
Rutbah	Iraq	RTB	33 01 46.2N	40 18 27.7E	624		
Ruth	Nevada, USA	RUT	39 14N	114 59W	2270		*Closed*. From 1960 I to 1964 IV.
Ruthven	California, USA	RUN	32 58 19.8N	114 58 37.8W	151		From 1973 IV 16.
Ruweisid	Jordan	RUWJ RUWJ	32 28 30N	38 24 07E	751		Correction to coordinates Dec 1992. From 1989 X 02.
Ryan	Nevada, USA	RYN	38 37 41.5N	118 31 22.8W	1585		From 1974 VIII.
Rybach'ye	Kirgiziya, CIS	RYB	42 27N	76 05E			Rybatchie, Rybachie.
Rybnik	Poland	RBN	50 05 53N	18 32 01E	250		*Closed*.
Ryder	North Dakota, USA	RY− RY−	48 05 50N	101 29 40W	640		*Closed*. From 1963 VII 22 to 1965 III 22 from 1966 V 23 to 1966 VI 03.
Ryōgami san	Saitama, Honshū, Japan	JRY	36 01 00N	138 54 06E	480		
Saba	Netherlands Antilles	SBN	17 38 13.2N	63 14 06.0W	870		From 1976 X.
Sabc	Cuba	SABC	20 22 48.0N	75 11 24.0W			
Saberio	Gruziya, CIS	SAB	42 36N	41 54E			
Sacbachol	Guatemala	SBL	14 53 30.0N	91 16 43.2W	3403		*Closed*. Sacbichol. From 1980 I.
Sachs Harbour	Northwest Territories, Canada	SWT	71 59 36N	125 17 00W	80		*Closed*. From 1980 XII 03 to 1986 VII 14.
Sachs Harbour	Northwest Territories, Canada	SXT	71 59 21N	125 14 23W	77		From 1986 VIII 13.
Sacramento	Kentucky, USA	SMKY	37 25 22.8N	87 16 33.6W	158		From 1985.
Sacranix	Guatemala	SXG	15 30 21.0N	90 25 10.8W	1904		*Closed*. From 1985 XI.
Sacuragua	Venezuela	FISA	11 15 53.3N	69 20 00.0W	600		*Closed*. Fila de Sacuragua. From 1986 XII.
Sá da Bandeira	Angola	SDB	14 55 33S	13 34 19E	1781	WWSSN	*Closed*. From 1962 to 1975.
Sadah	Yemen	SADA	16 56 14.4N	43 45 19.8E			
SaddleBack Butte	California, USA	SBB	34 41 18N	117 49 30W	832		From 1974 I 03.
Saddleback Mt.	California, USA	SBKC	35 04 43.8N	117 34 52.8W	881		
Saddle Mountain	Washington, USA	SDL	46 47 43.5N	119 29 28.5W			
Saddle Peak	California, USA	SADC	34 04 51.6N	118 39 54.0W	732		From 1973 VIII.
Sadie Cove	Alaska and Aleutians, USA	SDEM	59 26 36.0N	151 16 55.2W	770		*Closed*. From 1983 VII 04 to 1984 VI 29.
Sado	Niigata, Honshū, Japan	JSD	38 02 13.2N	138 15 37.2E	146		
Sadowa	Ontario, Canada	SADO	44 46 09.8N	79 08 30.1W	243		From 1993 XII 03.
Saentis	Switzerland	SAX	47 15 02.5N	9 20 41.6E	2500		*Closed*. From 1983 VII 01 to 1990 I 01.
Safed		SAF	*See* Zefat				
Safīd Rūd	Iran	SRI	36 45 30N	49 23 00E	243		*SEF* *Closed*. Sefīd−Roud *SEF*.
Saga	Saga, Kyūshū, Japan	SAG	33 14 42N	130 18 18E	4		Moved 1938:04.
Sagara	Shizuoka, Honshū, Japan	JSG	34 40 46.0N	138 11 09.6E	110		
Saggi Highlands	Israel	SAGI	30 13 12N	34 39 36E	560		Formerly Mt Sagi, name changed from Jul 1990.
Saham	Jordan	SHMJ	32 43 37.2N	35 45 50.4E	363		From 1989 VIII 28.
Saidpur	Pakistan	SAD	33 44 32N	73 03 48E	838		From 1988 IX 18.
Saigō	Shimane, Honshū, Japan	SAI	36 12 06N	133 20 12E	28		
Saijyo	Hiroshima, Honshū, Japan	JHS	34 59 54N	133 06 54E	480		
St Agoulin	Auvergne, France	AGO	46 03 08.5N	3 07 51.8E	523		From 1984 VII.
St Andre	Quebec, Canada	A21	47 42 13N	69 41 23W	46		From 1977 VIII 30.
Saint Andrews	Washington, USA	SAW	47 42 06.0N	119 24 03.6W	704		From 1975 VI.
Saint Aubin	Channel Islands, UK	JSA	49 11 16.4N	2 10 15.2W	21		From 1981.
Saint Breward	England, UK	SBD	50 33 55N	4 41 08W	220		
St Catharines	Ontario, Canada	STCO	43 12 30.4N	79 10 14.7W	92		From 1991 VII 26.
St Christopher's		SKI	*See* St Kitts				
Saint Claude	Guadeloupe	SCG	16 01 44.0N	61 40 51.6W	646		Guadeloupe.
Saint Croix	Virgin Islands	SCV	17 46 54.0N	64 47 20.4W	12		*Closed*. From 1975 IV.
Ste Marie−Mines	Alsace, France	SMM	48 12 56.9N	7 09 29.9E			Sainte−Marie−aux−Mines. Echery ECH.
Sainte Mathilde	Quebec, Canada	A61	47 41 35N	70 05 24W	358		From 1981 VI 05.
St Etienne	Provence-Côte d'Azur, France	STET	44 15 32.4N	6 55 44.4E	1200		St Etienne de Tinee.
St Francis Retreat	California, USA	HSFM	36 48 43.2N	121 29 58.2W	340		From 1975 XI 13.
Saint Francois	Guadeloupe	SFG	16 15 12.0N	61 11 47.4W	10		From 1975.
Saint George	New Brunswick, Canada	GGN	45 07 12N	66 49 12W	30		From 1981 X 28.
St George	South Carolina, USA	SGS	33 11 33.6N	80 30 42.6W	24		From 1973 III 08.
St George's Hill	Montserrat	MGH	16 43 12.0N	62 12 57.6W	351		From 1980 VII 09.
Saint Gilles	Bretagne, France	SGMF	48 15 15N	2 33 25W	230		Saint Gilles du Meme. From 1996 IV 03.
St Helena Is.	Saint Helena	SHEL	15 57 31.7S	5 44 44.5W	537		From 1995 VI 19.
St Helena Is.	Saint Helena	SHLN	15 55N	54 40W	274		*Closed*. From 1907 to 1942.
St Helena Road	California, USA	NSHM	38 31 12.0N	122 36 25.9W	328		From 1970 VIII 14.
Saint Jean	Quebec, Canada	DPQ	46 40 49.8N	72 46 38.4W	167		Saint Jean des Piles.
St Joe	Idaho, USA	SJID	47 21 50.4N	116 24 40.2W	1775		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Saint John	Virgin Islands	SJV	18 20 42.0N	64 45 43.2W	280		From 1975 VI.
Saint John's	Newfoundland, Canada	STJ STJ	47 34 18.0N	52 43 58.2W	62		*Closed*. Longitude corrected Nov 1987. From 1964 VI 01 to 1991 VIII.
Saint John's	Newfoundland, Canada	STJN	47 34 11.9N	52 45 21.4W	167		From 1991 VIII 12.
St John's Bayou	Missouri, USA	SJMO	36 37 44.4N	89 28 33.6W	91		*Closed*. To 1993 VI.
St Joseph	California, USA	SJH SJH	37 20 01.8N	122 05 28.8W	122		*JSJM**LT2* Los Trancos 2 St Joseph Seminary.. From 1966 XII 23.
St Julien le Roux	Rhône-Alpes, France	VIVF	44 51 22N	4 40 22E	620		From 1996 IV 03.
St Kitts	St Kitts, WIAS	SKI	17 20 00.0N	62 44 20.4W	306		St Christopher's Bayfords. From 1959 IV 17.
St Kitts 2	St Kitts, WIAS	SKDB	17 23 48.8N	62 48 30.0W			From 1988.
Saint Louis	Missouri, USA	SLM	38 38 10N	90 14 10W	161		From 1909 X 01.
St Louis Ha Ha	Quebec, Canada	SLQ	47 39 58.3N	69 00 37.1W	320		St Louis du Ha Ha. From 1984 VI 07.
Saint Lucia	St Lucia, WIAS	SLI	14 01 40.8N	61 00 28.8W	30		*Closed*. Vigie Point. From 1955 III 08 to 1959 II 02.
St Maarten	Netherlands Antilles	MRN	18 00 43.2N	63 03 36.0W	20		*Closed*. From 1976 X.
Saint Martial	Haiti	SSM	18 33 20N	72 20 15W	26		*Closed*. Seminaire Saint Martial.
St Martin	Poitou-Charentes, France	MFF	46 36 08N	0 08 45W	270		St Martin du Fouilloux. From 1971 III 24.
St Martin Canigou	Languedoc-Rousillon, France	SMCF	42 31 40.8N	2 24 06.6E	100		*Closed*.
Saint Nazaire	Rhône-Alpes, France	OCF	44 34 42N	5 18 07E	840		Saint Nazaire−le−Désert.
Saint Ours	Provence-Côte d'Azur, France	SURF	44 28 51.2N	6 48 46.3E	1820		From 1983 X.
St Patrick Mt.	Oregon, USA	VPMM	43 11 36.0N	120 39 58.8W	1387		MNLO code VPM.
Saint Paul	Alaska and Aleutians, USA	SPP	57 09 12N	170 14 24W			*Closed*.
St−Paul−en−Forêt	Provence-Côte d'Azur, France	SPF	43 33 50N	6 41 50E	337		*Closed*. To 1980 VII 10.
St Paul Islands	Alaska and Aleutians, USA	SPI	57 09 36N	170 13 30W			*Closed*. From 1967 VII 02 to 1967 IX 10.
St Petersburg	Leningradskaya Obl., RF, CIS	LNN	59 56N	30 18E	3		*Closed*. Leningrad.
St Peter's Dome	New Mexico, USA	SPD	35 45 28N	106 22 10W	2566		St Peter's Dome Lookout. From 1973 IX.
St Peters Sch.	New York, USA	SPSY	41 18 07N	73 53 26W	168		St Peters School.
Saint Pierre	St Pierre and Miquelon	SPR	46 47N	56 11W			*Closed*.
St Roch−Aulnaies	Quebec, Canada	A11	47 14 33N	70 11 52W	61		St Roch−des−Aulnaies. From 1977 VIII 30.
Saint Saulge	Bourgogne, France	SSF	47 03 41.5N	3 30 21.5E	355		From 1967 III 29.
Saint Saulge	Bourgogne, France	SSF1	47 07 00N	3 30 05E			*Closed*. To 1967 III 29.
St Sauveur	Basse-Normandie, France	SSC SSC	48 35 03N	0 06 27W	300		*Closed*. St Sauveur de Carrouge, Orne. To 1982 IX 28.
St Sauveur Rue	Rhône-Alpes, France	SSB	45 16 45.1N	4 32 30.8E	700		Badole St Sauveur en Rue.
Saint Siméon	Quebec, Canada	A64	47 49 35N	69 53 32W	137		From 1977 VIII 30.
Saint Thomas	Virgin Islands	VST	18 21 14.4N	64 57 25.2W	372		*Closed*. From 1975 IV.
Saint Vincent	St Vincent, WIAS	SVI	13 10 12.0N	61 15 28.8W	10		*Closed*. Questelles Point. To 1964 III.
Saint Vincent	St Vincent, WIAS	SVT	13 10 04.8N	61 14 42.0W	38		*Closed*. Camden Park. From 1964 III 03.
Saipan	Mariana Islands	SAPN SAPN	15 12 29.2N	145 44 58.3E	278		Correction to coordinates 1994. From 1991 to 1992 III 09 from 1993 V.
Sajaritas	Venezuela	SAJV	10 21 54.0N	71 21 03.6W			
Sakai	Tottori, Honshū, Japan	SAA	35 33N	133 14E	2		*Closed*.
Sakaide	Kagawa, Shikoku, Japan	JJS	34 22 24N	133 55 54E	210		
Sakata	Yamagata, Honshū, Japan	SAK	38 54 24N	139 50 48E	4		
Sakata 2	Yamagata, Honshū, Japan	SKH	38 51 24N	139 58 24E	58		Sakata outpost. From 1978III.
Sakura	Chiba, Honshū, Japan	SKU	35 43N	140 14E			*Closed*.
Sala	Syria	SALA	32 42 40.5N	36 43 58.5E	1740		Longitude corrected Jan 1998. From 1995 II.
Salado	Atacama, Chile	SDO	26 25 10S	70 18 40W			*Closed*.
Salau	Midi-Pyrénées, France	SALF	42 45 36N	1 11 22E	900		From 1989 I.
Salazar	México D.F., México	SZVM	19 19 22.8N	99 22 51.6W	3357		
Salem	South Dakota, USA	SX−	43 52 29N	97 15 00W	488		*Closed*. From 1962 XI 09 to 1962 XII 12.
Salem	Oregon, USA	VSMM	44 55 37.2N	123 07 39.0W	290		MNLO code VSM.
Sale Mountain	British Columbia, Canada	SLEB	51 10N	118 08W	2075		
Salina	Kansas, USA	SNK	38 57 10.8N	97 36 10.8W	407		From 1978 IV 18.
Salinas	Ecuador	SALI	2 11 10.7S	80 59 26.9W	80		From 1996 III 07.
Salinas	Antofagasta, Chile	SLN	23 09 14S	69 36 40W	1350		
Salinas Radio	California, USA	BSRM BSRM	36 39 59.4N	121 31 07.2W	395		Salinas Radio Site. Correction to coordinates Feb 1993. From 1977 III 09.
Salinas Radio	California, USA	SRC SRC	36 40 06.6N	121 31 07.8W	399		*AN12**Closed*. Salinas Radio site. From 1969 V 09 to 1977 III 04.
Salò	Italy	SAL	45 36 27.0N	10 31 34.4E	70		
Salt	Jordan	SALJ	32 00 33.6N	35 41 04.8E	780		From 1983 IX.
Salta	Salta, Argentina	SLT	24 47S	65 25W			*Closed*.
Saltair	Utah, USA	SAU	40 49 11N	112 04 23W	1283		*Closed*. From 1974 III to 1982 IV.
Salt Lake City	Utah, USA	SLC	40 45 49.7N	111 50 52.1W	1423		From 1962 IV.
Salto do Cavalo	Azores	SDCA	37 47 38N	25 19 02W	644		From 1981 I 01.
Saltpond	Ghana	SPG	5 12N	1 04W	50		*Closed*. From 1980 II to 1980 VI.
Salvajina	Colombia	SALC	2 58 22.5N	76 41 42.6W	1430		From 1988 XI.
Samaipata	Bolivia	SMB	18 10S	63 51W	1650		*Closed*.
Samarkand	Uzbekistan, CIS	SAM	39 40 24N	66 59 24E	704		
Samburg	Tennessee, USA	DY4	36 25 00.0N	89 18 11.1W	140		*Closed*. From 1969 to 1972.
Samo	Italy	SOI	38 04 19.5N	16 03 17.7E			
Sámos	Greece	SMG	37 42 31.2N	26 50 13.2E			From 1989 VI.
Sámos	Greece	SMS	37 48N	26 42E			*Closed*.
Sampolo	Corse, France	SMPL	42 05 38.4N	9 17 06.0E	404		Barrage de Sampolo.
Samsville	Illinois, USA	SMV	38 29 20.4N	88 04 55.2W	134		From 1974 IV.
Samuel	Rondônia, Brazil	SRB	8 50 00S	63 28 18W			
Sanada	Nagano, Honshū, Japan	SDJ	36 26 12.2N	138 18 18.6E	660		*Closed*. From 1968 VII to 1973 III.
Sanae	Dronning Maud Land, Antarctica	SNA SNA	70 18 54S	2 19 30W	57		*Closed*.
Sanak Island	Alaska and Aleutians, USA	SNKA	54 28 26.4N	162 46 31.2W	159		*Closed*. To 1990 VII.
San Andreas	California, USA	SAC	37 34 57.0N	122 25 01.8W	207		*JSAM* San Andreas Lake. From 1973 X 01.
San Andreas L.	California, USA	LT9 LT9	37 34 33.6N	122 25 23.9W	335		*Closed*. Los Trancos 9. From 1967 VII 13 to 1972 IX 27.
SanAndreas Obs.	California, USA	SAO	36 45 54N	121 26 42W	350		San Andreas Geological Observatory. From 1966.
San Andres	Colombia	SRD	6 48 47.5N	72 51 01.0W	1640		From 1975 I 25.
San Angelo	Texas, USA	SA2	31 33 00N	100 54 27W	732		From 1967 IV 16 to 1967 V 16.
San Angelo	Texas, USA	SA4 SA4	31 49 29N	101 25 35W	792		From 1967 IV 17 to 1967 V 08 from 1967 V 18 to 1967 V 23.
San Antonio	Guatemala	SLP	14 44 34.8N	90 16 58.2W	1410		San Antonio La Paz. From 1978 VI.
San Antonio Res.	California, USA	PANM	35 46 46.8N	120 54 26.4W	451		San Antonio Reservoir.
San Ardo	California, USA	PSAM	36 01 31.2N	120 53 18.0W	184		
Sanat. Durán	Costa Rica	SDS	9 56 03.0N	83 53 10.2W	2340		Sanatorio Duran.
San Benito	California, USA	SBT SBT	36 30 34.2N	121 04 34.2W	442		*BBNM* Correction to coordinates 1988. From 1971 I 28.
San Bernadino V.	California, USA	SBVC	34 05 17.2N	117 18 37.8W			San Bernadino Valley.
San Bernardino	Puebla, México	IIB	18 57 50.4N	98 20 40.8W	2380		
Sanborn	New York, USA	SANY	43 10 25.8N	78 52 13.2W	172		From 1977 X 19.
Sanbornton	New Hampshire, USA	NH1	43 32 50.3N	71 34 27.5W	402		
San Bruno Mt.	California, USA	JSBM	37 40 44.4N	122 23 48.0W	194		
San Calixto	Bolivia	LPZ	16 29 43.0S	68 07 57.7W	3658		La Paz. From 1912.
San Clemente I.	California, USA	SCI	32 58 48N	118 32 48W	219		From 1967 VII 27 to 1968 X 17 from 1971 XI 01.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
San Cristóbal	Santiago, Chile	SCR	33 30S	71 00W			*Closed*.
San Cristóbal	Chiapas, México	SCX	16 44 09.0N	92 38 04.2W			San Cristobal de las casas. From 1987.
San Damiano	Italy	DOI	44 30 12.8N	7 14 43.4E	1015		San Damiano Macra.
Sand Bay	Alaska and Aleutians, USA	SBY	51 59 51.5N	176 05 31.2W			*Closed*. From 1948 VIII to 1951.
Sand Canyon	California, USA	SNDC	35 08 34.8N	118 18 07.8W	1317		
Sanderson	Texas, USA	SS−	30 01 17N	102 19 41W	732		*Closed*. From 1961 X 19 to 1963 VI 11.
Sandia	California, USA	CSAM	37 40 25.2N	121 42 15.0W	215		MNLO code CSA. From 1979 X 09.
San Diego	California, USA	SDC	32 41 00N	117 14 30W			*Closed*. San Diego−Robinson.
San Diego	California, USA	SND	32 46N	117 04W	125		San Diego College.
San Diego Bay	Alaska and Aleutians, USA	SGB	55 32 45.0N	160 27 13.8W	275		
San Donato	Italy	SDI	41 42 21.0N	13 48 55.5E	720		San Donato Valcomino. From 1984 VI.
Sand Point	Alaska and Aleutians, USA	SASA	55 20 24N	160 29 49.8W	23		
Sand Point	Alaska and Aleutians, USA	SDN	55 20 28.8N	160 29 49.8W	23		From 1978 X 12.
Sand Point BB	Alaska and Aleutians, USA	SPBA	55 20 59.4N	160 28 33.6W	90		Sand Point Broadband. From 1993 VII.
Sandspit	British Columbia, Canada	SSQ	53 15N	131 49W	3		*Closed*. From 1977 VII 14 to 1978 III 18.
Sandy Hook	Tennessee, USA	SHTN	35 27 34.8N	87 07 46.8W	323		*Closed*. From 1985 IX 27 to 1989 VI.
San Felipe	California, USA	SFL	36 59 00.0N	121 24 05.4W	323		*HFEM* From 1971 X 14.
San Felipe	Baja California, México	SFP	31 01 54N	114 49 48W	4		From 1969 IV 26.
San Fernando	O'Higgins, Chile	SFDO	34 36 51.6S	71 00 49.8W	690		
San Fernando	Spain	SFS	36 27 42.0N	6 12 19.5W	24		
San Fernando	Spain	SFUC	36 38 13.2N	6 10 30.0W	88		
San Francisco	California, USA	SFB	37 46 36N	122 27 06W	100		*Closed*. Replaced by *SFR*. From 1931 IV to
		SFB					1964 XII.
San Francisco	California, USA	SFC	37 46N	122 25W			
San Francisco	California, USA	SFM	37 45 52N	122 26 13W	103		San Francisco−Randall Museum.
San Francisco	California, USA	SFR	37 47 16.8N	122 23 22.2W	8		*Closed*. San Francisco−Rincon. To 1976 IV 07.
San Gémini	Italy	SGI					*Closed*.
San Gregorio	Sicily, Italy	GIO	37 34 00N	15 06 30E	330		Monte San Gregorio. From 1989 II.
San Gregorio	Peru	SGP	16 33 43.4S	72 42 48.8W	108		*Closed*.
San Gregorio Matese		SGG	*See* Gregorio Matese				
Sang−Tuda	Tadzhikistan, CIS	SAT	37 58N	69 02E			*Closed*.
San Ignacio	Bolivia	SIV	15 59 28.7S	61 04 19.9W	520		San Ignacio de Velasco. From 1990 III.
San Jacinto	El Salvador	SJAS	13 40N	89 10W	1100		
San Javier	Linares, Chile	SJC	35 38 30S	71 43 30W	80		*Closed*.
San Jerónimo	Guerrero, México	SJRM	17 08 16.8N	100 28 26.4W	40		
San Joaquín	Baja California, México	SJX	31 45 46.2N	115 57 31.2W			From 1986.
San Joaquin Res.	California, USA	SJQ	33 37 12N	117 50 42W	165		*Closed*. San Joaquin Reservoir. From 1971 VII
		SJQ					07.
San José	Costa Rica	SJR	9 56 06N	84 04 40W	1156		*Closed*.
San José Maipo	Santiago, Chile	SJM	33 39S	70 22W	967		*Closed*. San José de Maipo.
San Jose (USA)	Texas, USA	SJ−	27 36 43N	98 18 46W	114		*Closed*. From 1961 XI to 1963 VII from 1965 X to
		SJ−					1965 XI from 1967 VIII to 1967 IX.
San Juan	San Juan, Argentina	SJA	31 31 34S	68 33 29W	660		
San Juan	Puerto Rico	SJP	18 22 54N	66 07 06W	80		*Closed*. From 1925 XII to 1928 IX from 1930 XI to
		SJP					1965.
San Juan	Peru	SJU	15 21 21.6S	75 10 44.4W	75		
SanJuan Bautista	California, USA	HBTM	36 51 00.7N	121 33 02.5W	98		From 1975 VI 05.
San Juan del Sur	Nicaragua	SSN	11 18 04.2N	85 51 12.6W	160		From 1975.
San Juan Grade	California, USA	HJGM	36 47 52.8N	121 34 25.7W	171		*AN3** Anzar Res 3. From 1967 VI 21.
San Juan, Perú	Peru	SJN	13 24 42S	75 56 48W	500		*Closed*.
SanJuan Tecuaco	Guatemala	SJT	14 04 52.8N	90 16 07.8W	460		*Closed*. From 1980 II.
San Juan (W)	Puerto Rico	SJG	18 06 43.2N	66 09 00.0W	457	WWSSN	*SJGC* Cayey. From 1964 IX 23.
Sankt Quirin	Austria	SQTA	47 13 13.8N	11 12 31.4E	1307		From 1989 V 01.
San Leandro Hills	California, USA	CSLM	37 43 27.6N	122 07 06.0W	246		
San Lorenzo	Ecuador	LORE	1 17 45.6N	78 50 43.2W	0		From 1992 VII 08.
San Lorenzo	Salta, Argentina	SLA	24 43 16.1S	65 30 16.3W	1581		Coordinates corrected Nov 1997.
San Luis	Arizona, USA	SLU	32 30 06.1N	114 46 38.3W	41		From 1973 IV 16.
San Luis Dam	California, USA	HSLM	37 04 48.7N	121 05 39.1W	122		From 1974 III 02.
San Luis Dam	California, USA	SLD	37 04 29N	121 13 14W	443		From 1965 XI.
San Marcial	New Mexico, USA	SMNM	33 46 43.2N	107 01 09.6W	1560		
San Marcos	Guerrero, México	SMAM	16 47 07.8N	99 23 53.4W			
San Marcos	Nicaragua	SMCN	11 54 24N	86 12 07W			From 1990.
San Martín	San Luis, Argentina	MRA	32 25 08.3S	65 43 02.0W	1095		Coordinates corrected Nov 1997.
San Miguel	México D.F., México	SMMM	19 44 23.4N	98 44 25.8W			San Miguel Ometusco. From 1988.
San Miguel	Baja California, México	SMX	31 41 16.8N	115 54 13.2W			
San Miguel	El Salvador	VSM	13 25 41N	88 16 27W	2129		Volcán San Miguel.
San Miguel Island	California, USA	BSM	34 02 15.0N	120 20 59.4W	172		From 1969 XI.
San Nicolas I.	California, USA	BSN	33 14 42N	119 30 24W	259		From 1970 III.
San Nicolas I.	California, USA	SNC	33 14 54N	119 31 24W	275		*Closed*. From 1957 VII 24 to 1968 I 24.
San Nicolas I.	California, USA	SNCC	33 14 52.8N	119 31 26.4W	227		From 1994 V.
San Onofre	California, USA	SNS	33 25 55.8N	117 32 55.8W	152		From 1975 I.
San Pablo	Spain	PAB	39 32 45N	4 20 54W	938		San Pablo de los Montes. From 1992 X.
San Pablo Dam	California, USA	ZSP	37 56 42N	122 15 24W	119		From 1978 XI 03.
San Pablo Ridge	California, USA	CSPM	37 57 27.0N	122 18 39.0W	216		
San Pedro Hill	California, USA	SPH	33 44 48.0N	118 20 04.8W	445		*Closed*. From 1971 VII 07 to 1974 III.
San Pedro Mártir	Baja California, México	SPX	31 02 42N	115 27 54W	2800		From 1981 X 20.
San Pedro Poas	Costa Rica	SPS	10 04 39.2N	84 15 04.2W	1120		*Closed*. San Pedro de Poas. To 1974.
San Pedro Sula	Honduras	SSU	15 30 04.2N	88 03 06.0W	200		*Closed*.
San Rafael	Mendoza, Argentina	RFA	34 46 14.7S	68 27 57.0W	850		
San Rafael	Utah, USA	SRU	39 06 39.0N	110 31 25.8W	1804		From 1990 XI 10.
San Rafael Bridge	California, USA	RSRB	37 56 08.9N	122 26 43.4W	5		Richmond−San Rafael Bridge.
San Ramon	California, USA	CRAM	37 46 01.9N	121 56 15.0W	171		From 1976 IX 02.
San Ramón	Costa Rica	SRA	10 04 57.0N	84 26 53.4W	1160		From 1974.
Sanriku	Iwate, Honshū, Japan	SNI	39 06 24N	141 45 30E	518		
San Roque	Spain	SRQ	36 15 27N	5 22 27W	202		*Closed*.
San Salvador	El Salvador	SSS	13 40 52N	89 11 53W	665		
San Salvador	El Salvador	VSS	13 44 30N	89 14 30W	1250		Volcán San Salvador.
San Sevaine	California, USA	SS2	34 12 27.6N	117 29 58.8W			From 1976 I.
Sans Toucher	Guadeloupe	SSG	16 05 19.2N	61 40 43.8W	1210		
Santa	Luzon, Philippines	SZP	17 33 07N	120 27 18E	50		From 1979 IV 11.
Sta Anna Valdieri	Italy	STV	44 14 39N	7 19 28E	985		Santa Anna di Valdieri. From 1967 I.
Santa Bárbara	Azores	ASBA	38 43 13N	27 19 31W	675		From 1981 IV 16.
Santa Barbara	California, USA	SBC	34 26 30N	119 42 48W	90		From 1927 V 10.
Santa Barbara Is	California, USA	SBI	33 28 50.4N	119 01 43.2W	6		
Santa Catalina	California, USA	CIW	33 27 55.2N	118 33 06.0W	50		Santa Catalina Island West.
Santa Clara	Sonora, México	EGX	31 42 36.6N	114 28 40.2W			El Golfo de Santa Clara. From 1981 IX 22.
Santa Clara	Portugal	PFSC	37 28 25.7N	8 25 33.6W	218		From 1996 I.
Santa Clara	California, USA	SCL	37 21N	121 57W	28		*Closed*. Santa Clara−Ricard. From 1909 to 1955.
Santa Cruz		GCC	*See* Granite Creek				
Santa Cruz	Patagonia, Argentina	SCA	49 50S	72 03W			*Closed*.
Santa Cruz	California, USA	SCZ	36 35 52.8N	121 24 10.8W	261		Coordinates corrected 1993. From 1986 XI 06.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Santa Cruz	Azores	STGR	39 04 48.6N	28 00 11.1W	124		From 1990 VII 19.
Santa Cruz Island	California, USA	BSC	33 59 40.8N	119 37 59.4W	457		From 1969 XI.
Santa Cruz (USA)	California, USA	SCC	37 00 24N	121 59 48W	128		*Closed*. Replaced by Granite Creek *GCC*.
		SCC					From 1961 VI 11 to 1965 II.
Santa Elena	Costa Rica	AR5	10 20 29N	84 49 29W	1420		*Closed*.
Santa Elena		HELC	*See* Santa Helena				
Santa Fe	Peru	PT09	11 40 01.2S	76 11 34.8W	5200		From 1983 VIII 26.
Santa Fe	Jalisco, México	SFJM	20 29 11.4N	103 02 22.2W	1500		
Santa Helena	Colombia	HELC	6 14 02.6N	75 32 51.7W	2788		Santa Elena. From 1994.
Santa Helena	Peru	SHP	16 11 50S	72 28 26W	471		*Closed*.
Santa Isabel	Venezuela	ISAV	9 30 24.5N	70 51 22.7W			
Santa Lucia		SAN	*See* Santiago				
Santa Lucía	Santiago, Chile	STL	33 26 10S	70 38 28W	595		*Closed*.
Santa Margarita	California, USA	PMGM	35 25 47.4N	120 31 13.2W	529		
Santa Maria I.	Azores	SAZ	36 58 18N	25 10 06W			
Santaquin	Utah, USA	SNQU	39 47 40.8N	111 54 09.0W	1853		From 1990 VIII 30.
Santaquin Can.	Utah, USA	SUU	39 53 19.3N	111 47 30.1W	1987		*Closed*. Santaquin Canyon. From 1974 IX to 1990
		SUU					VIII 21.
Santa Rosa		GUA	*See* Guam				
Santa Rosa	Puebla, México	SRP	18 53 48N	97 46 48W			
Santa Rosalía	Baja California, México	SRL	27 19 43.7N	112 16 32.2W			*Closed*.
Santa Rosa Mine	California, USA	SME	33 49 21.6N	117 21 19.2W	494		
Santa Sofia	Italy	SFI	43 55 15.6N	11 51 07.2E			From 1987.
Santa Teresa	California, USA	JSTM	37 12 24.5N	121 47 50.3W	149		Santa Teresa Hills. From 1975 X 02.
Santa Ynez Peak	California, USA	SYP	34 31 36N	119 58 42W	1305		From 1967 VI 07.
S. Antelope I.	Utah, USA	SAIU	40 51 17.4N	112 10 53.4W	1384		Southern Antelope Island. From 1990 V 10.
Santiago		PEL	*See* Peldehue				
Santiago	Santiago, Chile	SAN	33 27 11S	70 39 42W	533		Santa Lucia.
Santiago	Spain	STS	42 53 09.5N	8 33 03.3W	265		Santiago de Compostela.
Santiago Estero	Santiago del Estero, Argentina	SDE	27 49 18S	64 14 42W	177		
Santiago Maria	El Salvador	SDM	13 29 10N	88 28 14W	905		Santiago de Maria.
Santiaguito	Guatemala	SOG	14 46 34.8N	91 35 15.6W	2950		From 1984 II.
Santiaguito 2	Guatemala	SOG2	14 43 01.8N	91 34 13.2W	1560		From 1987 I.
Santiao Chiao	Taiwan, China	TWB1	25 00 29.9N	121 59 17.8E	20		From 1984 IV 06.
Santo Domingo	Dominican Republic	SDD	18 27 28.4N	69 54 48.3W	10		Ciudad Trujillo.
Santo Domingo	Venezuela	SDV	8 53 09.6N	70 37 58.8W	1580		RESVAC code RSDV. From 1975 VI.
Santo Domingo	Dominican Republic	STDO	18 27 02N	69 55 35W	12		
Sao Goncalo		SOB2	*See* Sobradinho				
Sao Paulo	Brazil	SPB	23 35 31.2S	47 25 55.2W	85		
Saorge	Provence-Côte d'Azur, France	SAOF	43 59 11N	7 33 19E	600		
Sa−pa	Vietnam	SPV	22 20 09.7N	103 49 51.8E	1570		*Closed*. Cha−Pa. From 1961 to 1972 from 1974 to
		SPV					1979 II.
Sapporo	Ishikari, Hokkaidō, Japan	SAP	43 03 30N	141 19 54E	17		
Sarajevo	Bosnia-Hercegovina	SAR	43 52 24N	18 25 42E	725		
Saramarca	Peru	PP04	14 29 07.8S	75 05 29.4W	750		
Sarandë	Albania	SRN	39 52 48N	20 00 02E	20		
Sarat Abidah	Saudi Arabia	SRAT	18 02 20.4N	43 09 43.2E	2300		From 1990 VI 13.
Saratoga	California, USA	SGC	37 16 57.7N	122 03 00.0W	198		Saratoga Golf Course.
Sargodha	Pakistan	SARP	31 55 17.4N	72 40 18.6E	183		
Sarsar	Morocco	RSA	34 52 37N	5 49 41W	609		
Sarutani	Nara, Honshū, Japan	SRT	34 10 34.1N	135 44 42.0E	440		Moved 1966:04:17. From 1960V.
Sasagawa	Niigata, Honshū, Japan	JNS	37 49 06.0N	139 19 01.8E	145		
Saskatoon	Saskatchewan, Canada	SAS	52 08N	106 38W	515		*Closed*. From 1915 to 1960 IV 01.
Sasso d'Italia	Italy	SSO	43 17 34.8N	13 25 12.0E	302		Marche. From 1987 V.
Sassorosso	Italy	SARO	44 11 05.4N	10 24 05.4E	1030		From 1992 V.
Satara	Maharashtra, India	STA	17 41 42N	74 00 00E	665		*Closed*.
Saturna Island	British Columbia, Canada	SNB	48 46 30.0N	123 10 14.8W	405		From 1981 I 28.
Sault Ste Marie	Ontario, Canada	SL−	46 38 14N	84 21 02W	335		*Closed*.
Saumlaki	Moluccas, Indonesia	SLKI	7 58 54S	131 17 54E			
Savage River	Tasmania, Australia	SVR	41 28S	145 13E			*Closed*. To 1991 III 13.
Savane Anatole	Martinique	SVN	14 50 30.0N	61 10 04.2W	510		
Savannah	Tasmania, Australia	SAV	41 43 15S	147 11 20E	180		From 1961.
Savannah River	South Carolina, USA	SRPD	33 09 18N	81 42 45W	31		Savannah River Plant−D−area.
Savannah River	South Carolina, USA	SRPN	33 19 44N	81 35 20W	94		Savannah River Plant−Navy.
Savannah River	South Carolina, USA	SRPW	33 12 08N	81 34 41W	77		Savannah River Plant−Well DRB−10. From 1976
		SRPW					VIII 06.
Savo	Solomon Islands	SVO	9 09 00S	159 48 54E	87		*Closed*. From 1980 VI to 1983 I 27.
Sawahan	Jawa, Indonesia	SJI	7 44 03.0S	111 45 57.6E			
Sawauchi	Iwate, Honshū, Japan	SAH	39 24 12N	140 46 18E			
Sawmill	Alaska and Aleutians, USA	SML	61 48 29.4N	148 19 58.8W	740		
Sawmill	California, USA	SWM	34 43 06N	118 34 54W	1220		From 1966 III 07 to 1970 XII 08 from 1976 III.
Sawmill Road	California, USA	JSMM	37 12 44.3N	122 10 03.7W	262		From 1971 VII 14.
Sawyerville	Alabama, USA	MLAL	32 42 19.8N	87 41 37.0W	55		
S. Bartolomeu	Portugal	PFSB	37 14 57.1N	8 19 34.3W	171		From 1996 I.
S Black Range	New South Wales, Australia	SBR	35 25 30S	149 32 00E	1265		From 1976 XII.
Scarborough	Ontario, Canada	SCB	43 43N	79 14W	153		*Closed*. From 1962 V 23 to 1974.
Schaffner Ranch	California, USA	SNR	32 51 42.6N	115 26 12.6W	−29		From 1973 IV 16.
Schefferville	Quebec, Canada	SCH	54 49N	66 47W	540		*Closed*. From 1962 VII 11 to 1994 XII 12.
Schefferville	Quebec, Canada	SCHQ	54 49 55.0N	66 50 00.9W	501		From 1994 XII 20.
Schefferville	Quebec, Canada	SV2	54 48 54N	66 45 31W	594		From 1964 IX 20 to 1965 VII 23.
Schefferville	Quebec, Canada	SV3	54 48 39N	66 45 00W	579		
Scherman	New York, USA	SRMY	41 13 42N	73 00 50W	165		
Schichiku		CHJ	*See* Chichibu				
Schlegeis	Austria	SCE	47 02 19.1N	11 42 37.2E	1737		
Schleitheim	Switzerland	SLE	47 45 58.2N	8 29 36.0E	600		From 1981.
Schuyler	Virginia, USA	SU−	37 45 35N	78 43 36W	165		*Closed*. From 1965 VI 19 to 1965 VII 23.
Schweizer	Transvaal, South Africa	SWZ	27 10 54S	25 19 30E	1342		Schweizer−Reneke.
Scobie Ranch	California, USA	PSRM	35 51 28.2N	120 16 48.6W	552		MNLO code PSR.
Scoresbysund	Greenland	SCO	70 29N	21 57W	69		*Closed*.
Scott Base	Victoria Land, Antarctica	SBA	77 51 01S	166 45 22E	38	WWSSN	From 1957 III.
Scott Mountain	Oregon, USA	VSCM	43 22 21.0N	123 03 47.4W	1295		MNLO code VSC.
Scott Ranch	California, USA	STTC	34 47 18.6N	118 27 42.6W	829		
Scotts Head	Dominica, WIAS	DSC	15 12 30.3N	61 21 54.6W	50		
Scotts Peak	Tasmania, Australia	SPK	43 02 18S	146 16 30E	425		From 1972 VII.
Scotty Lake	Alaska and Aleutians, USA	SCT	62 19 09.0N	150 17 49.8W	140		*Closed*. From 1971 VIII to 1975 VI.
Scourie	Scotland, UK	RSC	58 20 54.6N	5 10 06.2W	60		From 1995 IX 10.
Scoval	Scotland, UK	KSK	57 27 55.1N	6 42 07.2W	250		From 1989.
Scrawed	Jawa, Indonesia	SRDI	8 28 46S	114 08 31E	290		From 1991.
Seabrook	South Carolina, USA	SBK	32 34 02.4N	80 10 49.2W	2		
Seaman Range	Nevada, USA	SRG	37 52 56N	115 04 05W	1645		
Sears Point	California, USA	SNT	38 10 57.6N	122 27 12.0W	88		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Seatoun	North Island, New Zealand	STN	41 19S	174 48E	3		*Closed*.
Seattle	Washington, USA	SEA	47 39 18N	122 18 30W	30		From 1906 to 1970 XI 01 from 1988 XII.
Seattle	Washington, USA	STT STT	47 25 22.0N	122 18 49.2W			*Closed*. Seattle−Marshall. From 1964 IV to 1976 IV.
Sebastopol		SEV	*See* Sevastopol'				
Sebenico		SEB	*See* Sibenik				
Sebeş	Romania	SBE	45 34 37N	23 36 12E	1350		*Closed*. To 1989 I 01.
Sechelt	British Columbia, Canada	SHB	49 35 49.9N	123 52 30.0W	1143		
See Canyon	California, USA	PSEM	35 14 42.6N	120 45 52.8W	201		
Seeley Lake	Montana, USA	SLMT	47 14 30N	113 29 36W	1701		
Segré	Pays de la Loire, France	SGR	47 42 33.8N	0 55 22.8W	90		Formerly listed as Serge. From 1973.
Sehore	Madhya Pradesh, India	SEH	23 10N	77 05E			
Seigler Mt.	California, USA	GSGM	38 52 00.1N	122 42 36.0W			From 1974 VII 02.
Sejong Station	South Shetland Islands, Antarctica	SEJ SEJ	62 13 15S	58 45 10W	18		
Seldovia	Alaska and Aleutians, USA	SLV	59 28 16.8N	151 34 49.8W	91		
Seldovia	Alaska and Aleutians, USA	XLV	59 27 16.8N	151 43 18.0W	380		From 1987.
Seligman	Arizona, USA	SG−	35 38 27N	113 15 39W	1676		*Closed*. From 1964 IV 06 to 1965 X 04.
Selva	Balearic Islands, Spain	ESEL	39 46 05.4N	2 53 39.6E	231		From 1988 VII.
Semalu	New Britain	ESM	4 16 37.2S	152 41 10.8E	50		
Semeru Mts	Jawa, Indonesia	SMR	8 06S	112 54E			*Closed*.
Seminaire Saint Martial		SSM	*See* Saint Martial				
Semipalatinsk	Kazakhstan, CIS	SEM	50 24 30N	80 15 00E	209		
Semisopochnoi I.	Alaska and Aleutians, USA	SSI	51 53 32.8N	179 35 17.9E	178		*Closed*. From 1970 X 17 to 1973 IV 30.
Semlyachik	Kamchatskaya Obl., RF, CIS	SEL	54 07N	159 59E			
Semponon	Sumatera, Indonesia	SEMI	2 27 37N	98 23 30E	1750		
Sendai	Miyagi, Honshū, Japan	SEN	38 15 30N	140 54 00E	37		Mukaiyama.
Seneca	Oregon, USA	SA−	44 09 20N	118 39 45W	1524		*Closed*.
Seneffe	Belgium	SNF SNF	50 30 31.0N	4 16 59.9E	108		Correction to coordinates Nov 1997. From 1985 VII 01.
Sénégal		DAK	*See* Dakar				
Senekal	Orange Free State, South Africa	SEK SEK	28 19 24S	27 37 30E	1486		
Senzan	Hyogo, Honshū, Japan	SNZ	34 21 10.8N	134 50 26.7E	370		From 1972I 22.
Seoul	South Korea	SEO	37 34N	126 58E	86	WWSSN	Keizyo Keijo. From 1945.
Sept Îles	Quebec, Canada	SIC	50 10 19.2N	66 44 16.8W	283		Seven Islands.
Sermur	Limousin, France	SER	45 58 39N	2 25 48E	710		
Serra		SOB1	*See* Sobradinho				
Serra Branca	Azores	SRBC	39 02 11.8N	28 02 27.4W	300		
Serracapriola	Italy	FG2	41 48 13N	15 10 17E	200		
Serra do Cume	Azores	SCUM	38 41 51.1N	27 07 12.4W	316		From 1983 III 01.
Serra do Pilar		PTO	*See* Porto				
Sérrai	Greece	SRS	41 07 02N	23 35 32E	400		From 1981 I 01.
Sete Cidades	Azores	SETA	37 48 47.0N	25 45 04.6W	675		From 1990 V 22.
Sétif	Algeria	SET	36 12N	5 24E	1000		From 1958 IX.
Sevastopol'	Ukraina, CIS	SEV	44 37N	33 32E	2		*Closed*. Sebastopol.
Seven Falls	Quebec, Canada	SFA	47 07 24N	70 49 36W	232		*Closed*. St Féréol. From 1927 to 1975 VII 31.
Sevenhill	South Australia, Australia	SNL	33 53 14S	138 38 21E	480		*Closed*. From 1967 I to 1971 XII.
Seven Oaks Dam	California, USA	SVD	34 06 16.2N	117 05 49.2W	600		Coordinates corrected Oct 1995.
Severo−Kuril'sk	Sakhalinskaya Obl., RF, CIS	SKR	50 40N	156 06E	250		Severo−Kuril'sk.
Severo−Muysk	Buryatskaya ASSR, RF, CIS	SVK	56 12N	113 30E			
Sevinç	Turkey	SGT	36 56 37.7N	31 30 02.9E	205		From 1975 IV.
Sewanee	Tennessee, USA	SWTN	35 18 00.6N	86 04 34.8W	305		*Closed*. To 1985 VIII 01.
Seward	Alaska and Aleutians, USA	SEW	60 06 13.2N	149 26 57.6W	55		From 1972 VIII 22.
Seward Park	Washington, USA	SPW	47 33 13.3N	122 14 45.1W	8		From 1969 IX 17.
Seychelles	Seychelles	SEYC	4 05S	55 05E			*Closed*. Mahe. From 1913 to 1942.
Seydişehir	Turkey	SYT	37 18 10N	31 52 30E	1530		*Closed*. From 1976 to 1981 I.
Seymchan	Magadanskaya Obl., RF, CIS	SEY	62 55 58.8N	152 22 22.8E	206		Correction to coordinates 1994.
Seymour	Texas, USA	SM−	33 40 56N	99 11 23W	396		*Closed*. From 1961 XII 06 to 1961 XII 20.
Sfinta Ana	Romania	AAR	46 08 00N	25 53 42E	1101		*Closed*.
Shaartuz	Tadzhikistan, CIS	SHTS	37 16N	68 08E			
Shahrud	Iran	SHD	36 26 00N	54 56 30E	1500		From 1975 III.
Shai Hills	Ghana	SHGH	5 55 42N	0 02 31W	84		From 1987.
Shakotan	Shiribeshi, Hokkaidō, Japan	JSK	43 21 09.0N	140 28 32.4E	10		
Shamokin	Pennsylvania, USA	SH−	41 00 49N	76 54 49W	183		*Closed*. From 1962 X 11 to 1962 X 27.
Shamrock	Texas, USA	SK−	35 04 58N	100 21 50W	671		*Closed*. From 1963 VIII 19 to 1964 III 06.
Shandon	California, USA	PSHM	35 35 27.0N	120 24 55.2W	390		
Sharaf	Saudi Arabia	SHRF	28 56 45.6N	35 06 32.4E	1000		
Sharaf	Saudi Arabia	SRFA SRFA	28 55 48N	35 11 17E	725		*Closed*. Correction to coordinates Jun 1993. From 1986 to 1995.
Shasta Dam	California, USA	SHS	40 41 42N	122 23 18W	312		*Closed*. From 1942 to 1964 V 30.
Shawbak	Jordan	SHWJ	30 22 58.8N	35 30 00.0E	1734		From 1989 XI 01.
Shawinigan Falls	Quebec, Canada	SHF	46 33 06N	72 45 48W	60		*Closed*. From 1928 to 1965 XII 08.
Sheep	California, USA	HSPM	37 06 54.6N	121 30 56.4W	850		
Sheep Canyon	Utah, USA	SCU	39 29 14.4N	110 14 30.0W			*Closed*. From 1962 I to 1977 III.
Sheep Cr.	Alaska and Aleutians, USA	SCF SCF	61 59 41N	150 02 21W	67		*Closed*. Sheep Creek Facility. From 1971 VIII to 1975 VI.
Sheep Creek Mt.	Alaska and Aleutians, USA	SCM	61 50 00.0N	147 19 39.6W	1020		Sheep Creek Mountain.
Sheep Hole Mts	California, USA	SHH	34 11 15.6N	115 39 16.2W	1122		
Sheep Range	Nevada, USA	SHRG	36 30 16N	115 09 19W	1645		From 1979 V 22.
Sheffield	Tasmania, Australia	SFF	41 20 15S	146 18 27E	213		From 1969 VIII 04.
Sheikh Budin	Pakistan	SBDP	32 17 58.8N	70 48 25.8E	1356		
Sheil Bridge	Scotland, UK	KSB	57 12 35.3N	5 25 22.8W	70		From 1983.
Shelby Forest	Tennessee, USA	SFTN	35 21 27.0N	90 01 07.5W	−23		From 1979 VIII 02 to 1981 VII 10 from 1981 VII 17.
Shemakha	Azerbaydzhan, CIS	SHE	40 38N	48 38E			
Shemya	Alaska and Aleutians, USA	SHY	52 44N	174 08E			
Shemya	Alaska and Aleutians, USA	SMY	52 43 51N	174 06 11E	58		
Shenyang	Liaoning, China	FEN	41 47N	123 24E	25		Fengtien, Hoten, Mukden, Shen−yang.
Shenyang	Liaoning, China	SNY	41 49 40N	123 34 41E	54		From 1983 VIII.
Sherbrooke	Quebec, Canada	SBQ	45 22 42.0N	71 55 34.8W	265		From 1980 VIII 12.
Sheriff Wilson	California, USA	SWNG	37 38 17.4N	118 53 30.0W	2188		From 1979 XI 11.
Sherman Crater	Washington, USA	SCW SCW	48 46 03N	121 49 00W	2990		*Closed*. Sherman Crater−Mount Baker. From 1975 III 31 to 1976 X 01.
Sherman Glacier	Alaska and Aleutians, USA	SGAM	60 30 04.3N	145 12 25.2W	424		From 1976 VIII 16.
Sherwood Peak	California, USA	KSPM	39 31 02.4N	123 30 05.4W	869		MNLO code KSP.
Sheshan	Jiangsu (Kiangsu), China	SSE	31 05 44N	121 11 12E	15		Formerly ZSC. From 1976 XI 15.
Sheshan	Jiangsu (Kiangsu), China	ZKW	31 11N	121 26E	7		Zi−Ka−Wei.
Sheshan	Jiangsu (Kiangsu), China	ZSC	31 05 44N	121 11 12E	10		Zo−se Changed to SSE. From 1976 XI 15.
Sheshan	Jiangsu (Kiangsu), China	ZSC*	31 05 48N	121 11 11E	90		*Closed*. Zo−se. To 1976 XI.
Shezaf	Israel	SZAF	30 54N	34 33E	290		
Shibata	Niigata, Honshū, Japan	SBH	37 57 56.2N	139 27 13.7E	140		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Shiboa	Tochigi, Honshū, Japan	JSB	36 58 06.0N	139 55 02.4E	460		
Shichikawa	Wakayama, Honshū, Japan	SKW	33 35 16.7N	135 41 24.8E	120		Moved 1965:03:26. From 1958IV.
Shide	England, UK	SHID	50 41 00N	1 17 00W			*Closed*.
Shikotan	Sakhalinskaya Obl., RF, CIS	SHO	43 52N	146 48E			*SKT** Shikotan *SKT*.
Shillong	Meghalaya, India	SHIO	25 34N	91 53E	1600		
Shillong	Meghalaya, India	SHL	25 34N	91 53E	1600	WWSSN	From 1953.
Shimam	Hiyama, Hokkaidō, Japan	JSH	42 38 34.8N	140 02 41.4E	72		
Shimizu	Kōchi, Shikoku, Japan	SHM	32 46 30N	132 57 30E	2		*Closed*. Simidu. To 1962.
Shimob	Yamanashi, Honshū, Japan	JYN	35 29 51.6N	138 32 39.6E	780		
Shimokoshiki	Kagoshima, Kyūshū, Japan	JSJ	31 40 42N	129 43 00E	240		
Shimonoseki	Yamaguchi, Honshū, Japan	SHN1	33 56 42N	130 55 42E	18		From 1984.
Shimonoseki 2	Yamaguchi, Honshū, Japan	SHNJ	34 07 30N	131 06 30E	20		
Shimonoseki 3	Yamaguchi, Honshū, Japan	SHN	33 57 12N	130 56 24E	46		Simonoseki.
Shinagawa	Tōkyō, Honshū, Japan	SIN	35 37N	139 45E			*Closed*. Sinagawa.
Shingle Point	Yukon Territory, Canada	SPY	68 55 19.2N	137 15 36.0W	35		From 1982 X 05.
Shinkiari	Pakistan	SIP	34 28 00N	73 17 57E	1448		
Shinshu−shinm'i	Nagano, Honshū, Japan	SSJ SSJ	36 34 17.5N	138 02 22.5E	580		*Closed*. Shinshu−shin−machi. From 1967 VIII to 1973 III.
Shiono misaki	Wakayama, Honshū, Japan	SHJ	33 26 54N	135 45 48E	75		Sio misaki.
Ship Mountains	California, USA	SPM	34 28 19.2N	115 24 09.6W	915		
Shirakawa	Fukushima, Honshū, Japan	SHR	37 07 44N	140 13 09E	355		Moved 1994:01:28.
Shirakawa 2	Fukushima, Honshū, Japan	SHRJ	37 04 36N	140 14 00E	395		From 1990IV 24.
Shiraki	Hiroshima, Honshū, Japan	SHK	34 31 56N	132 40 39E	285	WWSSN	From 1965VII 21.
Shirāz	Iran	SHI	29 38 40N	52 31 34E	1595	WWSSN	Chirāz. From 1963V 10.
Shiroyama	Kanagawa, Honshū, Japan	SRY	35 36 30N	139 16 27E	254		From 1967VI.
Shirt Tail Goat		SHG	*See* Shirttail Gulch				
Shirttail Gulch	California, USA	SHG	36 24 49.8N	121 15 13.2W	192		*BSGM* Shirt Tail Goat. From 1969 VI 18.
Shishaldin West	Alaska and Aleutians, USA	SSLW	54 46 18.4N	164 07 16.9W	628		
Shiura	Aomori, Honshū, Japan	JSI	41 03 16.8N	140 23 48.0E	40		
Shivta	Israel	SVTA	30 55 48N	34 37 12E	370		
Shizuoka	Shizuoka, Honshū, Japan	SHZ	34 58 24N	138 24 24E	14		To 1989III 25.
Shizuoka 2	Shizuoka, Honshū, Japan	SHZJ	35 01 40.2N	138 25 21.6E	40		*Closed*. From 1989 III 25 to 1993 III 24.
Shizuoka 3	Shizuoka, Honshū, Japan	SHZ3	35 03 57N	138 12 36E	700		From 1993III 29.
Shkodra	Albania	SDA	42 03 06.8N	19 29 55.0E	80		Correction to latitude 1992.
Shoal	Nevada, USA	SZ−	39 12 13N	118 22 48W	1606		*Closed*. From 1963 I 05 to 1963 II 02.
Shoe Peg Valley	Idaho, USA	SPVI	44 35 03N	116 46 15W	1100		From 1991 IX.
Short Canyon	California, USA	WSCM	35 42 15.6N	117 53 11.4W	881		MNLO code WSC.
Short Mountain	Tennessee, USA	SMTN	36 22 55.2N	83 10 55.2W	768		
Shosan	Rumoi, Hokkaidō, Japan	JSS	44 24 55.8N	141 51 11.4E	100		
Shoshone Peak	Nevada, USA	SSP	36 55 30N	116 13 07W	2065		From 1973 X 10.
Shoushan	Taiwan, China	TWM	22 38 30.0N	120 15 05.4E	70		Kaohsiung, Chishan. From 1972 IX 09.
Shoushan	Taiwan, China	TWM1	22 49 23.9N	120 25 21.4E	340		Chishan. From 1977 III 28 to 1983 VIII 11.
Shuyak Island	Alaska and Aleutians, USA	SHU	58 37 41N	152 20 56W	34		From 1974.
Shuyak Island	Alaska and Aleutians, USA	SYI	58 36 36N	152 23 27W	149		From 1990 VIII 27.
Sibayak Dolok	Sumatera, Indonesia	SIBI	3 14 27N	98 30 16E	2050		From 1991 X.
Sibenik	Croatia	SEB	43 44N	15 54E			*Closed*. Sebenico.
Sibinal	Guatemala	SBG	15 07 55.2N	92 03 12.6W	2860		From 1986 III.
Sicasica	Bolivia	SCS	17 17 05S	67 48 55W	3900		*Closed*.
Sicignano	Italy	SGO	40 33 30.0N	15 18 30.4E			
Sida	Iceland	SID	63 47 09N	18 03 30W	26		
Sidewinder Mine	California, USA	SDW	34 36 33N	117 04 27W	1184		From 1975 II.
Sidi−Bou−Said	Tunisia	SBS	36 52 12N	10 21 00E	125		
Sidi Gnaou	Tunisia	SGNT	33 39 39.0N	9 52 12.6E	90		
Sidi Yaiche	Tunisia	SYA	34 44 30.6N	8 43 25.2E	550		
Sidney	British Columbia, Canada	PGC	48 39 00N	123 27 03W	5		Pacific Geoscience Centre. From 1978 III 18.
Siegrist	Alaska and Aleutians, USA	RDS	64 49 35.4N	148 08 40.8W	510		Richard D. Siegrist. From 1977 VI.
Siena	Italy	SIE	43 19 12N	11 18 44E	349		
Sierra de Lijar	Spain	ELIJ	36 55 04N	5 22 51W	870		
Sierra Elvira	Spain	ELVI	37 15 01.8N	3 42 08.4W	860		
Sierra Loja	Spain	ELOJ	37 08 51.8N	4 09 09.3W	998		From 1993 XI 29.
Sierra Morrones	Spain	ASMO	37 21 28.8N	3 44 34.8W	1170		
Sierra Ventana	Buenos Aires, Argentina	VBA	38 03 14S	61 58 32W	495		
Sierre	Switzerland	SIERE	46 23 07.1N	7 28 24.2E	2910		From 1974 IX 10.
Siete Picos	Dominican Republic	DR15	18 45 01.2N	70 10 38.4W			
Sigmaringen	Baden-Württemberg, Germany	SGW	48 06 24.0N	9 12 54.6E	700		Sigmaringen−Wittberg.
Signal de Mont	Bourgogne, France	SMF	46 38 43N	3 50 28E	459		From 1976 V 01.
Signal Hill	Trinidad and Tobago	SIH	11 10 19.9N	60 46 14.8W	80		
Signy Island	South Orkney Islands, Antarctica	SGY SGY	60 42 36.2S	45 35 51.2W	30		From 1974 II 01.
Sikka	Sakhalinskaya Obl., RF, CIS	SKK	49 14N	143 07E	2		*Closed*.
Silifke	Turkey	SLF	36 14 19.0N	33 41 06.7E	120		From 1995 IV 06.
S. Illinois Univ.	Illinois, USA	SIUC SIUC	37 42 53.6N	89 13 03.5W	137		Southern Illinois University (Carbondale). From 1984 I.
Silva Ranch	California, USA	BSLM	36 46 31.8N	121 20 57.5W	155		From 1975 VII 16.
Silver City	Yukon Territory, Canada	SIY	61 01 54N	138 24 24W	785		*Closed*. From 1979 XII 05 to 1980 III 27.
Silver City	New Mexico, USA	SVM	32 46 43.2N	108 17 48.0W	1932		*Closed*. From 1977 XII 01.
Silver Creek	California, USA	SVC	37 17 06.6N	121 46 21.0W	128		*CSCM* CB5. From 1967 VI 10.
Silver Gate	Montana, USA	SGM	45 00 27N	109 59 21W	2285		From 1973 I.
Silver Peak	California, USA	SIL	34 20 52.1N	116 49 36.1W	1730		
Silver Peak Ra.	Nevada, USA	SVP	37 42 54N	117 48 03W	2620		Silver Peak Range.
Silverton	Transvaal, South Africa	SLR	25 44 07.0S	28 16 55.2E	1348		From 1981 VII 20.
Silvia	Colombia	SILC	2 41 16.8N	76 20 22.8W	3150		From 1990.
Simarbalatuk	Sumatera, Indonesia	SIMI	2 41 20N	98 56 49E	1681		
Simferopol'	Ukraina, CIS	SIM	44 57N	34 07E	277		
Simia	Greece	VSI	38 52 45.4N	23 12 32.5E	448		From 1982 XI.
Simidu		SHM	*See* Shimizu				
Simi Peak	California, USA	SI2	34 12 14N	118 47 56W	700		From 1973 VI.
Simla	Himachal Pradesh, India	SMI	31 06N	77 11E			*Closed*.
Simojovel	Chiapas, México	SMJM	17 08 02.4N	92 42 54.0W			
Simushir	Sakhalinskaya Obl., RF, CIS	SIU	46 51N	151 52E			
Sinagawa		SIN	*See* Shinagawa				
Sinaia	Romania	SNX	45 21 14.4N	25 30 46.2E	1500		From 1989 VII.
Sindeldorf	Baden-Württemberg, Germany	SIND	49 20 55.8N	9 36 21.0E	335		
Singah	Jawa, Indonesia	SINI	7 00 52S	107 30 00E	1000		
Singapore	Singapore	SING	1 18 18N	103 51 00E			
Singkong		HSI	*See* Hsinkong				
Sining		SNN	*See* Xining				
Sinj	Croatia	SNJ	43 44N	16 39E			*Closed*.
Sinjo		HSN	*See* Hsinchu				
Sinkyo		HSK	*See* Changchun				

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Sinn el Kaddâb	Egypt	ASKD	23 39 34.8N	32 23 04.8E			
Sinonel	Guatemala	SLG	14 42 28.2N	91 38 07.8W	1220		*Closed*. From 1979 XI to 1987.
Sio misaki		SHJ	*See* Shiono misaki				
Sion	Switzerland	SIS	46 16N	7 22E	500		*Closed*. From 1932 to 1941.
Sioux Lookout	Ontario, Canada	SOLO	50 01 16.7N	92 04 52.3W	373		From 1988 X 24.
Sioux Lookout	Ontario, Canada	SOO	50 04 34.2N	91 53 16.8W	358		From 1987 VI 07.
Sioux Lookout	Ontario, Canada	SXO	50 05 30N	91 59 54W	420		*Closed*. From 1982 IX 27 to 1986 IX 24.
Siria	Venezuela	SIR	10 30 33N	66 30 33W	1050		From 1974.
Sirkyo		HSK	*See* Changchun				
Sitka	Alaska and Aleutians, USA	SIT	57 03 25N	135 19 28W	19		From 1940.
Sitkalidak I.	Alaska and Aleutians, USA	SKD	57 09 51N	153 04 49W	135		From 1977 VIII 11.
Sitkinak Island	Alaska and Aleutians, USA	SII	56 33 36N	154 10 55W	500		From 1975 X.
Sivas	Turkey	SVST	39 46 20N	36 57 10E	1640		Correction to coordinates Oct 1994. From 1992.
Sivrigöynük	Turkey	SGKT	40 34 24N	32 03 22E	1890		From 1992.
Sixmile	Montana, USA	SXM	46 08 57.0N	111 12 27.6W	1993		
Sixmile Butte	Idaho, USA	SMBI	43 30 07.8N	113 16 03.6W	1736		From 1992.
Skaggs Springs	California, USA	SKG	38 42 07.2N	123 00 48.6W	282		*GSSM* From 1975 I 22.
Skalnaté−Pleso	Slovak Republic	SPC	49 11 20N	20 14 42E	1772		
Skalstugan	Sweden	SKA	63 34 48N	12 16 48E	580		*Closed*. To 1981 IX 15.
Skaneateles	New York, USA	SKN	42 59 29.4N	76 28 01.8W	226		*Closed*. From 1974 XI to 1975 XII.
Skidegate	British Columbia, Canada	SKB	53 14 52.2N	131 59 46.8W	10		From 1982 VIII 23.
Ski Hill Lift	New York, USA	SKLY	43 57 37.2N	74 10 31.2W			*Closed*. From 1983 X to 1986 X.
Skilak		SKL	*See* Cooper Landing				
Skilak Lake	Alaska and Aleutians, USA	SLKM	60 30 28.2N	150 13 15.6W	655		From 1984 VIII 11.
Skíros Island	Greece	SKY	38 52 40N	24 33 00E	260		Skyros Island. From 1997.
Skopelos	Greece	VSK	39 06 38.2N	23 41 36.4E	374		From 1982 X.
Skopje	Macedonia	SKO	41 58 19.5N	21 26 22.5E	346		From 1957 I.
Skwentna	Alaska and Aleutians, USA	SKT	61 58 49.2N	151 31 46.8W	564		
Slandsville	South Carolina, USA	SVS	32 58 08N	80 14 55W			From 1976 III 31.
Slate Mt.	California, USA	ASMM	38 49 24N	120 41 00W	1214		
Slate Mountain	Nevada, USA	STM	39 06 50.4N	118 12 00.0W	2020		*Closed*. From 1972 I 13 to 1975 VII.
Sleeping Mt.	Nevada, USA	SMN	37 08 36N	116 46 00W	1341		*Closed*. From 1971 to 1973.
Sleepy Eye	Minnesota, USA	SE−	44 24 51N	94 39 55W	244		*Closed*. From 1962 I 24 to 1963 VI 19.
Slenfeh	Syria	SLNF	35 35 43.5N	36 13 22.1E	1520		From 1994 XII.
Slick	Oklahoma, USA	SIO	35 44 46.8N	96 18 25.4W	323		Radiotelemetered to TUL. From 1978 VII 12.
Slide Mt.	California, USA	KSMM	40 11 09.0N	124 10 28.8W	991		
Smeltzer Mt.	South Carolina, USA	SMSC	34 55 51.0N	82 58 15.6W	500		From 1977 IV 19.
Smith Creek	Washington, USA	SOSW	46 14 38.5N	122 08 12.0W	1270		Source of Smith Creek.
Smithers	British Columbia, Canada	SI−	54 47 18N	127 04 17W	579		*Closed*. From 1965 X 25 to 1966 X 14.
Smithfield	Connecticut, USA	BRYW	41 55 04.1N	71 32 19.7W	380		
Smith Mountain	California, USA	PSMM	36 04 10.9N	120 35 40.9W	988		From 1975 IX 24.
Smyrna	Washington, USA	SYR	46 51 46.8N	119 37 04.2W	268		From 1969 III.
Snake Ranch	New Mexico, USA	SRF SRF	34 12 12N	107 05 24W	1768		*Closed*. Snake Ranch Flats. From 1969 I to 1969 VI.
Snort	California, USA	SRTC	35 41 30.6N	117 44 57.6W	698		
Snowbank Mt.	Idaho, USA	SBID	44 25 26.4N	116 18 48.6W	2520		
Snow Cap Mt.	Oregon, USA	KSCM	42 20 38.4N	124 09 52.9W	1280		Snow Cap Mountain.
Snow College	Utah, USA	SNO	39 18 51.6N	111 32 16.8W	2446		
Snowflake	Arizona, USA	SF−	34 26 19N	110 30 52W	1981		*Closed*. From 1961 XII 03 to 1962 V 03.
Snow King Mt.	Wyoming, USA	SNOW	43 27 44.9N	110 45 18.8W	2390		From 1986 I.
Snow Mountain	California, USA	GSNM	38 56 25.8N	123 11 30.1W	870		From 1975 VI 20.
Sobradinho	Bahia, Brazil	SOB	9 17 19.8S	41 10 09.7W	416		From 1978 IX 27.
Sobradinho	Bahia, Brazil	SOB1	9 12 32S	40 53 41W	424		Serra. From 1980 IV.
Sobradinho	Bahia, Brazil	SOB2	9 34 06.4S	40 57 39.9W	490		Sao Goncalo.
Sobradinho	Bahia, Brazil	SOB3	9 46 15S	41 15 50W	434		Tapuio. From 1979 X.
Sobradinho	Bahia, Brazil	SOB4	9 20 33S	41 29 03W	440		Grosador. From 1979 X.
Soche	Ecuador	SOCH	0 38 12.0N	77 29 35.4W	2650		From 1994 VII 01.
Sochi	Krasnodarskiy Kray, RF, CIS	SOC	43 35N	39 43E	192		Sotchi.
Socorro	New Mexico, USA	SNM	34 04 12.6N	106 56 36.6W	1511		From 1962 VII.
Socorro	New Mexico, USA	SRM SRM	34 20 31N	106 53 55W	1522		*Closed*. Socorro−La Joya. From 1969 VI 25 to 1970 VI 30.
Socrates Mine	California, USA	GSMM	38 46 09.1N	122 46 52.3W	1017		From 1975 VII 18.
Sodankyla	Finland	SDF	67 25 13.1N	26 23 37.0E	277		Pittioevaara. From 1984 XII 19.
Sodankylä	Finland	SOD	67 22 16.2N	26 37 44.7E	181		*Closed*. From 1987 VII 28 to 1992 I 13.
Soda Springs	California, USA	SOS	37 10 10.2N	121 55 50.5W	946		*JSSM*
Sodus	New York, USA	SONY	43 11 31.8N	76 57 52.8W	122		
Soengei Langka	Sumatera, Indonesia	SLS	5 24S	105 13E	240		*Closed*.
Sofiya	Bulgaria	SOF	42 41 07N	23 20 03E	540		Sofia.
Sokhós	Greece	SOH	40 49 18N	23 21 14E	670		From 1981 I 01.
Solana Beach	California, USA	SLBC	33 00 03.6N	117 16 08.4W	38		*Closed*. From 1981 to 1985 VII.
Solania	Costa Rica	AR4	10 21 30N	84 59 34W	600		*Closed*.
Soledad Mission	California, USA	BSMM	36 23 00N	121 25 40W	939		
Solontsovaya	Irkutskaya Obl., RF, CIS	SOL	54 06N	108 18E			
Sombrero	Magallanes, Chile	SOM	52 46 51S	69 14 32W	73	WWSSN	From 1964 XII 22.
Somerset	Colorado, USA	SMC	38 56 00N	107 27 28W	1905		From 1969 VII.
Somerset East	Cape Province, South Africa	SOE	32 42 42S	25 33 42E	820		
Sommée−Lormes		LOR	*See* Lormes				
Somplago	Italy	SMP	46 20 24N	13 03 30E			*Closed*.
Sondre	Greenland	SFJ SFJ	66 59 45.1N	50 36 54.7W	365		Sondre Stromfjord. Coordinates corrected Sept 1998.
Sonepat	Uttar Pradesh, India	SNP	28 59N	77 00E	220		*Closed*.
Songkhla	Thailand	SNG	7 10 37.2N	100 36 59.4E	4	WWSSN	From 1965 X.
Songo	Mozambique	SONG	15 36 12S	32 46 42E	900		From 1985 XI.
Sonneberg	Thüringen, Germany	SON	50 22 41.4N	11 11 33.0E	634		*Closed*. To 1968 VII 01.
Sonora	Kentucky, USA	SOKY	37 31 33.6N	85 57 54.0W	204		From 1985.
Sonora Basin	South Island, New Zealand	SBCZ	45 05 32S	169 18 42E	801		*Closed*. From 1986 XII to 1996 IV.
Sonseca Array	Spain	ESDC	39 40 27.3N	3 57 47.3W	753		Sonseca Array Beam Reference Point.
Sonseca Array	Spain	ESLA	39 40 27.3N	3 57 47.3W	752		Sonseca Array Site A. From 1989 VII 31.
Sonseca Array	Spain	ESLB	39 50 29.4N	4 01 02.1W	612		Sonseca Array Site B. From 1991 VI.
Sonseca Array	Spain	ESLC	39 47 41.9N	3 48 47.7W	687		Sonseca Array Site C.
Sonseca Array	Spain	ESLD	39 36 35.6N	3 47 03.3W	807		Sonseca Array Site D. From 1991 VI.
Sonseca Array	Spain	ESLE	39 30 25.8N	3 58 24.4W	801		Sonseca Array Site E. From 1991 VI.
Sonseca Array	Spain	ESLF	39 35 44.6N	4 10 12.5W	911		Sonseca Array Site F. From 1991 VI.
Sonseca Array	Spain	ESLG	39 44 40.5N	4 11 42.1W	830		Sonseca Array Site G. From 1991 VI.
Sopron	Hungary	SOP	47 41 00N	16 33 30E	260		
Sorel	Quebec, Canada	SO−	45 45 18N	72 15 18W	152		*Closed*. From 1962 VII 06 to 1962 VII 17.
Soroa	Cuba	SOR	22 47 30N	83 00 28W	206		
Sorong	Irian Jaya (West Irian), Indonesia	SWI SWI	0 51 46.8S	131 15 35.4E			
Sortino	Sicily, Italy	SSY	37 09 14.0N	15 04 18.8E	540		
Sospel	Provence-Côte d'Azur, France	SBF	43 51 47.3N	7 26 06.8E	847		From 1985 VI 01.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Souberoche	Rhône-Alpes, France	SOU	44 39 41N	5 41 25E	960		
Soufrière Village	Dominica, WIAS	DSVT	15 13 44.4N	61 22 12.0W	5		
Soufrière Volcano	St Vincent, WIAS	SVV	13 19 04.8N	61 12 57.6W	243		Wallibou. From 1978 IX 24.
Souni−Zanaja	Cyprus	SZAC	34 45 21.6N	32 52 58.8E			
Sourdough	Alaska and Aleutians, USA	SDG	62 31 37.2N	145 32 36.0W	625		From 1986.
Sourhope Farm	Scotland, UK	XSO	55 29 33N	2 15 04W	495		From 1983 X 19.
South Baldy	New Mexico, USA	SBM	33 58 30.6N	107 10 50.4W	3230		
South Creake	England, UK	SCK	52 52 47N	0 45 02E	61		
South Dennis	Massachusetts, USA	COD	41 41 09N	70 08 06W	−85		
S Grapevine	California, USA	SGV	36 38 52N	117 01 56W	1565		South Grapevine Mountains. From 1978 XI 28.
South Ingalls	Colorado, USA	SIG	39 41 16N	105 03 53W			*Closed*.
South Kanaga	Alaska and Aleutians, USA	AD6	51 42 30N	177 14 30W	137		*Closed*. From 1974 to 1992 II 01.
South Karori	North Island, New Zealand	SNZO	41 18 37S	174 42 17E	−10		From 1975 XII.
South Lassen	California, USA	LSLM	40 26 01.3N	121 32 10.3W	1060		From 1976 XI 12.
South Mountain	Washington, USA	SMW	47 19 10.2N	123 20 30.0W	840		From 1975 III 24.
South Point	Hawaii, Hawaiian Islands	SPT	18 58 54.6N	155 39 55.2W	244		From 1971 III 10.
South Pole	Antarctica	SPA	89 59 43.4S	115 00 00.0E	2927	WWSSN	Pole Station Correction to position Apr 1993.
		SPA					From 1957.
South Ridge	Washington, USA	HSR	46 10 22.2N	122 10 58.2W	1774		
South Ridge	Fiji	SGE	17 35 21S	177 55 24E	1021		1983:08−.
South Tanaga	Alaska and Aleutians, USA	AK2	51 39 48N	177 55 48W	99		*Closed*. Formerly AT2. From 1976 X to 1992 II 01.
South Tanaga	Alaska and Aleutians, USA	AT2	51 39 48N	177 55 48W	99		*Closed*. From 1975 to 1976 X.
Southwest Bay	Vanuatu (New Hebrides)	SWB	16 30 31.2S	167 25 13.2E			
Southwest Rift	Hawaii, Hawaiian Islands	SWH	19 27 15.6N	155 36 18.0W	4048		
Soyaes	Sōya, Hokkaidō, Japan	JSE	44 57 31.8N	142 35 30.0E	10		
Spaichingen	Baden-Württemberg, Germany	SPAK	48 06 08.4N	8 47 09.6E	991		Spaichingen−Kochelsberg.
Spangler Hills	California, USA	WSHM	35 37 57.6N	117 29 30.0W	780		
Sparrevohn	Alaska and Aleutians, USA	SVW	61 06 29.4N	155 37 18.0W	762		From 1967 VIII.
Sparta	Oregon, USA	SR−	44 56 25N	117 25 40W	1341		*Closed*. From 1963 III 19 to 1963 VI 03.
Spiridon Lake	Alaska and Aleutians, USA	SPL	57 45 33N	153 46 17W	600		From 1975 X.
Spitsbergen Ar.	Svalbard	SPA0	78 10 39.8N	16 22 11.9E	323		Spitsbergen Array, central site. From 1992 XI.
Spitsbergen Ar.	Svalbard	SPB2	78 10 27.1N	16 23 04.6E	200		From 1992 XI.
Spitsbergen Ar.	Svalbard	SPITS	78 10 39.8N	16 22 11.9E	323		Spitsbergen Array Beam Reference Point.
Split Crater	Idaho, USA	SPCI	43 27 00.0N	112 38 13.2W	1520		From 1992.
Spokane	Washington, USA	SPO	47 43 48N	117 20 32W	713		*Closed*. Gonzaga Mt St Michael. From 1909 to
		SPO					1969.
Spotted Range	Nevada, USA	SPRG	36 41 38N	115 48 34W	1235		From 1979 V 28.
Springbok	Cape Province, South Africa	SBO	29 40 11.2S	17 52 44.0E	1055		From 1993 XI.
Spring Butte	Oregon, USA	VSBM	43 31 25.2N	121 20 50.4W	1664		MNLO code VSB.
Springerville	Arizona, USA	SV−	34 10 32N	109 08 49W	2134		*Closed*. From 1961 XI 25 to 1962 V 03.
Springfield	Nebraska, USA	SGN	41 03 57.0N	96 13 07.8W	347		*Closed*. From 1979 XI 06 to 1981 IX 01.
Spring Hill	Alabama, USA	SHA	30 41 39.7N	88 08 34.1W	61	WWSSN	Mobile. From 1910 XII to 1935 from 1939.
Spur Tree	Jamaica	SPJ	17 59 45.3N	77 33 34.4W	751		
Squaw Harbor	Alaska and Aleutians, USA	SQF	55 13 12.0N	160 33 44.4W	360		
Squaw Peak	Utah, USA	SQU	40 16 54N	111 36 38W	2353		*Closed*. From 1974 IX to 1980 VII.
Squaw Tit	California, USA	TIT	41 04 24N	123 58 48W	700		
Sredniy Kalar	Chitinskaya Obl., RF, CIS	SRK	55 54N	117 24E	720		
Srinagar	Jammu and Kashmir, India	SRNI	34 06N	74 51E			Coordinates corrected Feb 1998.
Srobárová	Slovak Republic	SRO	47 48 48N	18 18 48E	150		
SS1	Nevada, USA	SSX	37 13 41.4N	116 17 25.2W	2248		*Closed*. From 1965 to 1970.
Standing Stone	Pennsylvania, USA	SSPA	40 38 08.9N	77 53 16.8W	158		From 1993 VII 05.
Stanford	California, USA	SFT	37 24 18.6N	122 10 33.0W	143		*JSFM**LT4* Los Trancos 4 Stanford Telescope.
		SFT					From 1966 XII 13.
Stanford	California, USA	STAN	37 24 12.8N	122 10 30.8W	158		*Closed*. From 1991 IV 15 to 1994 VI 30.
Stånga	Sweden	SGAS	57 18 14.4N	18 28 22.8E	43		*Closed*. From 1980 I to 1991.
Stanley	Idaho, USA	STID	44 06 53.4N	114 51 57.6W	1993		From 1992 XII.
Stansbury I.	Utah, USA	SBU	40 49 18.5N	112 28 00.1W	1317		*Closed*. From 1974 VII to 1976 X.
Stansbury North	Utah, USA	SNU	40 55 25.8N	112 30 36.0W	1378		*Closed*. From 1978 V to 1986 IX.
Star City	Arkansas, USA	STAR	33 53 31.2N	91 46 40.8W	107		From 1981 II 08.
Star Valley	Idaho, USA	STI	42 48 08N	111 03 03W	2149		*Closed*. From 1976 XII to 1979 IX.
State College	Pennsylvania, USA	SCP	40 47 42N	77 51 54W	352	WWSSN	Pennsylvania. From 1966 X 20.
State College	Pennsylvania, USA	SCP1	40 48 35.5N	77 52 09.8W	353		*Closed*. To 1966 X 20.
Station 2	Nevada, USA	STX	37 11 38.4N	116 09 40.8W	1632		*Closed*. From 1964 to 1970.
Statte	Italy	SAE	40 33 43N	17 12 22E			*Closed*.
Stattnord		NOR	*See* Nord				
Steamboat Mt.	Wyoming, USA	STEW	44 02 59N	110 40 54W	2316		From 1986 I.
Steam Cracks	Hawaii, Hawaiian Islands	STCH	19 23 18.0N	155 07 40.2W	765		
Ste Croix	Rhône-Alpes, France	LASF	44 04 34.0N	3 51 25E	520		Sainte Croix de Caderle.
Steiermark		GRA	*See* Graz				
Steinbach	Nordrhein-Westfalen, Germany	STB	50 35 43.1N	6 50 24.0E	270		From 1975 XII.
Ste Jean	Languedoc-Rousillon, France	SJAF	42 29 04.2N	2 52 55.8E	450		Ste Jean de L'Albères. From 1998 XI 16.
Ste Jean	Aquitaine, France	SJPF	43 06 48N	1 13 30W	450		Ste Jean Pied de Port. From 1996 IV 03.
Stent	California, USA	MSTM	37 54 16.2N	120 24 17.3W	366		From 1972 IV 19.
S. Teotónio	Portugal	PTEO	37 32 44.2N	8 43 27.1W	119		From 1993 VIII 03.
Stepanavan	Armeniya, CIS	STE	41 00N	44 23E	1200		
Stephens Creek	New South Wales, Australia	STK	31 52 54S	141 35 30E	213		From 1974 IV.
Stephens Creek	New South Wales, Australia	STKA	31 52 36.8S	141 35 42.7E	230		From 1991 IX 20.
Stephens Glacier	Alaska and Aleutians, USA	SGA	61 25 14.4N	146 23 41.4W	1326		*Closed*. From 1974 VII 11 to 1976 I 28.
Stepladder Mts	California, USA	STP	34 34 16.2N	114 50 52.8W	628		From 1974 IV to 1976 X.
Sterling	Utah, USA	SGU	39 10 57N	111 38 36W	2365		From 1978 X.
Sterling Forest	New York, USA	SFN	41 11 46.2N	74 15 40.2W	244		Sterling Forest.
Sterling Forest	New York, USA	SFO	41 11 46.2N	74 15 36.0W	300		*Closed*. From 1962 to 1975 VIII.
Stevens Creek	California, USA	SEC	37 17 04.2N	122 07 25.2W	357		*JSCM**LT1* Los Trancos 1. From 1966 XII 23.
Stewart Island	Stewart Island, New Zealand	SIZ	46 52 30S	168 07 59E	60		From 1990 XII 12.
Stickney	South Dakota, USA	SY−	43 36 20N	98 29 30W	488		*Closed*. From 1962 X 12 to 1962 X 27.
Stiles	New York, USA	STLY	41 11 19N	74 00 13W	125		
Stillwater	Nevada, USA	ST−	39 26 17N	118 34 48W	1219		*Closed*. From 1963 I 30 to 1963 III 29.
Stillwater	New York, USA	STWA	42 57 43.2N	73 40 38.4W	103		
Stillwater Mine	Montana, USA	STMT	45 23 09.6N	109 51 39.0W	1756		
Stimpson Lane	California, USA	OSTM	39 22 07.7N	121 35 49.2W	28		Entry corrected August 1996. From 1975 VIII 05.
Stockdale Mt.	California, USA	PSTM	35 55 43.8N	120 30 30.0W	573		MNLO code PST.
Stollet	Sweden	SLL	60 28 33.6N	13 19 12.0E	390		
Stone Can. Res.	California, USA	SCY	34 06 22.2N	118 27 15.0W	287		Stone Canyon Reservoir. From 1971 IX 16.
Stone Canyon	California, USA	BSCM	36 37 58.8N	121 14 03.1W	357		From 1976 X 06.
Stone Canyon	California, USA	STC	36 38 06N	121 14 00W	259		*Closed*. From 1967 I 22 to 1976 X 06.
Stone Valley	California, USA	CSVM	37 51 52.8N	122 00 09.6W	238		
Stoneypath	Scotland, UK	ESY	55 55 04N	2 36 52W	328		From 1981 XI 27.
Stony Hill	Jamaica	STH	18 04 40.8N	76 48 50.4W	427		From 1969 VIII 01.
Stonyhurst	England, UK	STO	53 51N	2 28W	116		*Closed*. Blackburn.
Stony Point	New York, USA	SNPY	41 15 58.8N	74 00 14.4W	122		From 1975 VI 17.
Stony River	Alaska and Aleutians, USA	STY	61 08 40.2N	154 12 06.6W	1047		*Closed*. From 1972 VII 24 to 1975 I 29.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Strasbourg	Alsace, France	STR	48 35 05N	7 45 57E	135		
Stratford	North Island, New Zealand	STZ	39 21S	174 17E	305		*Closed*. From 1934 to 1939.
Strathgordon	Tasmania, Australia	STG	42 50 54S	146 12 24E	350		From 1972 VII.
Strazhica	Bulgaria	SZH	43 16N	25 56E	310		From 1988.
Streeter	Texas, USA	ST1	30 45 08N	99 21 20W	518		
Streeter	Texas, USA	ST2	30 47 32N	99 26 52W	579		
Streeter	Texas, USA	ST4	31 09 48N	100 03 40W	640		From 1967 IV 16 to 1967 V 16.
Strehaia	Romania	SRE	44 39 44N	23 12 19E	335		From 1982 IX 01.
Striped Hills	Nevada, USA	SDH	36 38 44N	116 20 17W	1055		From 1978 VII 24.
Striped Peak	Washington, USA	STW	48 09 00.7N	123 40 12.0W	308		From 1973 VI 27.
Stromboli−G	Italy	GIN	38 47 23N	15 11 27E	125		Stomboli−Ginostra.
Stronsay	Orkney Islands, UK	OST	59 05 09.6N	2 33 05.8W	15		From 1995 IX 21.
Studebaker Ridge	Washington, USA	STD	46 14 16.0N	122 13 21.9W	1268		
Stuttgart	Baden-Württemberg, Germany	STU	48 46 19N	9 11 42E	360		From 1929.
Stwlan	Wales, UK	WST	52 58 30N	3 59 20W	850		From 1986.
Suao	Taiwan, China	TWC	24 36 33.0N	121 50 55.8E	20		From 1973 III 16.
Subic Bay	Luzon, Philippines	SBP	14 50N	120 17E			*Closed*.
Suche	Peru	PT08	11 57 36.0S	76 32 56.4W	2880		From 1983 VIII 30.
Suckling Hill	Alaska and Aleutians, USA	SUK	60 04 25.2N	143 46 37.2W	454		
Sucre	Bolivia	SUC	19 02 48S	65 15 52W	2850		*Closed*.
Sudbury	Ontario, Canada	SUD	46 28N	80 58W	267		From 1967 XI 22.
Sudbury	Ontario, Canada	SUO	46 24 09.6N	81 00 24.6W	252		
Sudbury	Ontario, Canada	SWO	46 43 58N	80 59 58W	372		
Sudbury	Ontario, Canada	SZO	46 26 17N	81 29 46W	312		From 1987 I 24.
Sud−Ghoubbet	Djibouti	SGH	11 26 13.2N	42 37 50.4E	700		From 1976 IV.
Suffern	New York, USA	SUFF	41 09 30N	74 06 33W	152		
Suffield	Alberta, Canada	SES	50 23 45N	111 02 30W	770		From 1966 V 11.
Sufi−Kurgan	Kirgiziya, CIS	SFK	40 02N	73 30E			Location uncertain.
Su−fu, Kashgar		KSH	*See* Kashi				
Sugar Island	Michigan, USA	SUG	46 31 17N	84 08 18W	190		*Closed*. From 1969 IX 26 to 1972 VIII 09.
Sui−hua	Heilongjiang (Heilungkiang), China	SUI SUI	46 37 24N	126 59 30E			
Sulaymaniyah	Iraq	SLY	35 36N	45 30E			
Sulen	Norway	SUE	61 03 25.2N	4 45 39.6E	10		From 1984 XI.
Sullivan	Tennessee, USA	SLTN	36 26 35.4N	82 07 13.8W	1280		
Sulphur Creek	New Britain	SUL	4 13 09.8S	152 11 33.3E	9		
Sultana	Saudi Arabia	SALT	29 01 22.8N	34 54 28.8E	350		Coordinates corrected Sept 1998. From 1993 VII.
Sultana	Jordan	SULJ	31 05 12N	36 04 36E	951		
Sultan−Mazar	Tadzhikistan, CIS	SMT	38 28N	70 04E			*Closed*.
Sumiainen	Finland	SUF	62 43 09N	26 09 02E	185		
Sumiya	Jordan	SMAJ	32 09 18N	35 46 58.8E	565		*Closed*. From 1983 IX to 1985 XII 16.
Summer Shade	Kentucky, USA	SSKY	36 47 43.8N	85 47 33.0W	300		*Closed*. From 1983 IV 21 to 1987 III 05.
Summerton	South Carolina, USA	SMA	33 37 42N	80 19 05W			*Closed*. From 1974 V 20 to 1975 VII 01.
Summit Reservoir	Idaho, USA	SURI	44 18 21N	113 28 57W	2324		
Summit Valley	Montana, USA	SVMT	45 52 55.8N	112 34 16.2W	1914		*Closed*. From 1984 to 1987 X 21.
Sumoto	Hyogo, Honshū, Japan	SUM	34 20 06N	134 54 30E	110		
Sunflower	Arizona, USA	SN−	33 51 49N	111 41 34W	884		*Closed*. From 1964 III 29 to 1965 X 04.
Sun Moon Lake	Taiwan, China	SMLT	23 52 58.8N	120 53 59.6E	1015		
Sunnyside	Utah, USA	SUN	39 37N	110 24W			*Closed*.
Sunnyside Mine	Utah, USA	SMU	39 36 00N	110 22 54W	1981		*Closed*. From 1962 I to 1968 XII.
Sunset Crater	Arizona, USA	SCN SCN	35 22 08N	111 32 33W	2111		Sunset Crater National Monument. From 1970 VII 20.
Sunset Lake	Pennsylvania, USA	SSL	41 09 40.2N	74 54 57.6W	259		*Closed*. From 1973 II 13 to 1976 V.
Sunset Peak	California, USA	SSK	34 12 38.4N	117 41 34.8W	1683		
Sunshine	Alaska and Aleutians, USA	SSH	62 10 00.0N	150 04 39.6W	100		*Closed*. From 1971 VIII to 1972 IX.
Sunshine Point	Alaska and Aleutians, USA	SNH	60 10 48N	142 50 18W	732		
Superstition Mt.	California, USA	SMTC	32 56 56.4N	115 43 12.0W	−50		
Superstition Mt.	California, USA	SUP	32 57 18.7N	115 49 25.7W	220		From 1973 IV 16.
Surbourg	Alsace, France	SRBF	48 54 53N	7 51 08E	200		
Surduc	Romania	SDR	45 29 20N	26 22 59E	720		Siriu.
Susaki	Shizuoka, Honshū, Japan	SUS	34 40N	138 59E	3		*Closed*. Mitsui.
Susara	Romania	SSR	44 51 48N	21 44 36E	400		*SSA*
Susitna	Alaska and Aleutians, USA	SST	61 26 05N	150 46 49W	780		*Closed*. From 1971 VIII 24 to 1972 VIII 15.
Susitna One	Alaska and Aleutians, USA	SUA	61 27 49.8N	150 44 36.0W	1297		From 1972 VIII 15.
Susuman	Magadanskaya Obl., RF, CIS	SUUS	62 47N	148 10E			
Susurluk	Turkey	SLK	39 52 16N	28 08 42E	147		*Closed*. From 1979 XII.
Sutcliffe	Nevada, USA	SC−	39 52 26N	119 38 27W	1341		*Closed*.
Sutherland	Cape Province, South Africa	SUR	32 22 48S	20 48 42E	1760	WWSSN	
Sutter Buttes	California, USA	OSUM OSUM	39 16 16.3N	121 51 08.3W	67		Previously entered as code OSTM changed August 1996. From 1976 IV 01.
Suttsu	Shiribeshi, Hokkaidō, Japan	SUT	42 47 24N	140 14 24E	16		*Closed*. Moved to SUT1 1989:09:22.
Suttsu	Shiribeshi, Hokkaidō, Japan	SUT1	42 47 36N	140 13 42E	33		From 1989IX 22.
Suva	Fiji	SUV SUV	18 08 56S	178 27 26E	6		*Closed*. Fiji Moved slightly 1943. From 1913 to 1934 VII from 1943 VII to 1971 VI.
Suva	Fiji	SVA	18 07 00.1S	178 27 29.8E	38		From 1976 VII.
Suwalki	Poland	SUW	54 00 45N	23 10 50E	152		From 1995 XI 05.
Suzu	Ishikawa, Honshū, Japan	JSZ	37 26 54N	137 21 48E	10		
Suzuyama	Kagoshima, Kyūshū, Japan	JSU	31 30 24N	130 27 18E	400		
SVC		CB5	*See* Chesbro Res. 5				
Sverdlovsk	Sverdlovskaya Obl., RF, CIS	SVE	56 48 36N	60 38 12E	275		Ekaterinberg Yekaterinberg.
Swabi−Maira	Pakistan	SWR	34 07 49.2N	72 50 59.4E	489		
Swamp Creek	Montana, USA	SWP	48 36 24.6N	114 59 06.0W	1157		*Closed*. From 1971 II to 1976 X 04.
Swan Island	Honduras	SWA	17 24N	83 56W			*Closed*.
Swan Pond Ditch	Indiana, USA	SPIN	38 32 24N	87 36 25W	122		*Closed*. To 1993 VI.
Swansea	Wales, UK	HSA	51 44 52.1N	4 09 15.5W	274		From 1987.
Swanson's Bluff	California, USA	BSBM	36 44 16.1N	121 17 12.5W	398		From 1975 VI 25.
Swan View	Western Australia, Australia	SWV	31 53 00S	116 03 54E	80		Established position.
Swartz Lake	Montana, USA	SWMT	47 30 33.6N	113 59 56.4W	1297		
Swaziland	Swaziland	SWD	26 24 06S	31 46 22E			*Closed*. From 1973 III 12 to 1976 III 20.
Sweetgrass	Montana, USA	SW−	48 58 08N	111 57 46W	1113		*Closed*. From 1965 X 16 to 1966 IX 13.
Sweet Springs	Oregon, USA	SSOR	44 51 21.6N	122 27 37.8W	1242		From 1991 IX.
Sydney	New South Wales, Australia	SYD	33 52S	151 12E	43		*Closed*. From 1906 to 1948.
Syncline Ridge	Nevada, USA	NYS	37 01 57.0N	116 10 07.8W	1509		*Closed*. From 1971 I to 1973 I.
Syowa Base	Dronning Maud Land, Antarctica	SYO SYO	69 00 31.7S	39 35 31.6E	20		Ongul.
Syston	England, UK	KSY	52 57 51.1N	0 35 14.3W	123		From 1988.
Syuhurei	South Korea	SYU	36 12N	128 00E	100		*Closed*.
Szeged	Hungary	SZE	46 14 54N	20 08 29E	82		*Closed*.
Tabasco	Tabasco, México	LJS	17 59 34.8N	93 29 16.8W			
Tabele	Papua New Guinea	TBL	4 06 04.7S	145 00 41.4E	180		From 1964.
Tabernacle	New Jersey, USA	TABN	39 51 51.0N	74 39 46.2W	31		*Closed*. From 1977 VI 17 to 1978 VIII.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Tabernacle Mt.	British Columbia, Canada	TABB	51 45 00N	117 45 42W	2469		*Closed*. From 1972 X 18.
Table Mountain	California, USA	OTBM	39 32 44.5N	121 33 39.6W	219		From 1975 IX 06.
Table Mountain	Washington, USA	TBM	47 10 10.1N	120 35 54.0W	1064		
Table Mountain	California, USA	TMC	34 22 30N	117 41 36W	2180		*Closed*.
Table Rock	New York, USA	TBR	41 08 30.0N	74 13 19.5W	261		From 1975 VII.
Tabrīz	Iran	TAB	38 04 03N	46 19 36E	1430	WWSSN	From 1965VIII 10.
Tabubil	Papua New Guinea	OKTD	5 20 54.2S	141 17 30.1E	518		From 1994.
Tabubil	Papua New Guinea	TZZ	5 16 05S	141 13 16E	700		From 1977 XI 16.
Taburiente	Canary Islands	TBT	28 40 45.8N	17 54 52.3W	180		From 1974 XI.
Tacaná	Guatemala	TCG	15 07 22.2N	92 05 09.0W	3100		From 1986 VII.
Tachien	Taiwan, China	TWT	24 15 11.8N	121 10 32.8E	1510		From 1973 X 04.
Tacubaya	México D.F., México	TAC	19 24 18N	99 11 37W	2297		
Tadjoura	Djibouti	TDJ	11 47 43.8N	42 53 19.8E	60		*Closed*. From 1972 IV to 1979 VIII.
Tadjoura Ara	Djibouti	TDD	11 48 13.2N	42 54 25.2E	110		From 1979 IX.
Tadotsu	Kagawa, Shikoku, Japan	TAD	34 17N	133 46E	4		*Closed*. Tadotu.
Taegu	South Korea	TAE	35 52N	128 36E	50		*Closed*. Taikyu Taego.
Taforalt	Morocco	TAF	34 48 51N	2 24 51W	820		From 1972 XI.
Taft	California, USA	TF− TF−	35 09 49N	119 58 03W	793		*Closed*. From 1962 V 23 to 1963 V 12 from 1965 X 24 to 1965 XI 13.
Taga	Shiga, Honshū, Japan	JTG	35 11 12N	136 19 18E	160		*Closed*.
Tagaytay	Luzon, Philippines	TGY	14 06 11N	120 56 02E	650		From 1991.
Taghat	Morocco	TGT	34 04 12N	5 03 18W	820		From 1993.
Taghi Ghambar	Iran	TGI	32 57 48N	59 11 36E	1800		From 1975 V.
Tahiti	Tahiti, Society Islands, French Polynesia	TAH TAH	17 44S	149 18W			*Closed*.
Tai'an	Shandong (Shantung), China	TIA	36 12 41N	117 07 28E	300		T'ai−an.
T'ai−an		TIA	*See* Tai'an				
Taichung	Taiwan, China	TCU	24 08 51N	120 40 33.3E	84		Taityu.
Taif	Saudi Arabia	TAF1	21 16 58.8N	40 21 00.0E	2500		From 1995 IV.
Taihoku		TAP	*See* Taipei				
Taikyu		TAE	*See* Taegu				
Tainan	Taiwan, China	TAI	22 59 42.8N	120 11 49.2E	14		Correction to position Nov 1990.
Taipei	Taiwan, China	TAP	25 02 21.5N	121 30 21.4E	6		Taihoku Correction to position Nov 1990.
Taipei	Taiwan, China	TATO	24 58 31.3N	121 29 17.1E	53		From 1976 V 13.
Taitung	Taiwan, China	TTN	22 45 14.5N	121 08 47.6E	9		Taito. Correction to coordinates Nov 1990.
Taityu		TCU	*See* Taichung				
Taiyuan	Shanxi (Shansi), China	TIY	37 42 47N	112 26 03E	850		
Taiyuan	Shanxi (Shansi), China	TYN	37 47 12N	112 35 24E			
Takada	Niigata, Honshū, Japan	TKD	37 06 18N	138 15 00E	15		
Takada	Niigata, Honshū, Japan	TKJ	37 07 40.8N	138 12 35.4E	40		From 1971.
Takaka	South Island, New Zealand	TAK	40 51S	172 48E	8		*Closed*. From 1931 to 1951.
Takamatsu	Kagawa, Shikoku, Japan	TKM	34 18 54N	134 03 24E	10		Takamatu.
Takato	Yamanashi, Honshū, Japan	JNT	35 52 30N	138 08 18E	1180		From 1995IV.
Takayama	Gifu, Honshū, Japan	TKY	36 09 06N	137 15 24E	560		
Takayasuyama		OSK	*See* Osaka				
Takayasuyama	Ōsaka, Honshū, Japan	TKU	34 36 42N	135 39 36E	472		
Talagante	Santiago, Chile	TACH	33 39 11.7S	70 56 15.5W	440		From 1982.
Talang	Sumatera, Indonesia	TLN	1 00S	100 30E			*Closed*.
Tala Pozo	Santiago del Estero, Argentina	TPA	27 49 18S	64 14 42W	177		*Closed*.
Talara	Peru	TAL	4 37 54S	81 18 24W	40		
Talasea	New Britain	TLS	5 18 35S	150 02 41E	40		From 1972 IX 01.
Talaya	Irkutskaya Obl., RF, CIS	TLY	51 40 48N	103 38 24E	579		
Talbingo	New South Wales, Australia	TAO	35 36 39.4S	148 17 20.7E	570		From 1969.
Talbot Brook	Western Australia, Australia	WA3	32 03 06S	116 38 36E	276		From 1973.
Talchebab	Syria	TCHB	32 40 09.0N	35 58 07.5E	458		From 1995 II.
Talcott Mountain	Connecticut, USA	TMT	41 48 41N	72 47 56W	290		*Closed*. From 1972 I 07 to 1977 VI 10.
Talgar	Kazakhstan, CIS	TLG	43 16N	77 23E	850		*AAB**AA2* Alma−Ata 2.
Talien		DAI	*See* Lüda				
Talkeetna Mts	Alaska and Aleutians, USA	TLK	62 29 37.8N	147 52 40.8W	1719		*Closed*. From 1974 VII 10 to 1975 XI 11.
Talladega	Alabama, USA	TDA	33 32 30.1N	86 01 28.9W	181		
Tallapoosa	Missouri, USA	TPMO	36 32 24.0N	89 51 07.2W	83		
Talmassons	Italy	TLI	45 55 18N	13 06 07E	25		From 1985 XI 27.
Tamagu	Ryūkyū Islands, Japan	JJT	26 08 58.2N	127 46 00.0E	188		*Closed*.
Tamagusuku 2	Ryūkyū Islands, Japan	JJT2	26 08 18.0N	127 44 55.2E	40		
Tamana	Kumamoto, Kyūshū, Japan	JTA	32 57 48N	130 32 00E	230		
Tamanrasset	Algeria	TAM	22 47 30N	5 31 24E	1395		From 1948 to 1984 from 1987.
Tamaro	Switzerland	TMA	46 06 21.6N	8 52 22.8E	1700		From 1981.
Tambo	Ecuador	TAMB	0 41 39.0S	78 22 04.8W	4160		From 1990 VIII 10.
Tamdy−Bulak	Uzbekistan, CIS	TMD	41 36N	64 36E			
Tampico	Tamaulipas, México	TMX	22 15 18N	97 51 02W	21		
Tanabu	Aomori, Honshū, Japan	TNB	41 17N	141 13E			*Closed*.
Tana Glacier	Alaska and Aleutians, USA	TGL	60 45 21.0N	142 49 46.8W	1234		From 1988 VII 01.
Tanaharon	Bali, Indonesia	THRI	8 22 10S	115 32 35E	1000		
Tanaka	New Britain	TKA	4 20 41.7S	152 10 42.0E	365		
Tanana	Alaska and Aleutians, USA	TNN	65 15 24N	151 54 42W	504		
Tananarive	Madagascar	TAN	18 55 01S	47 33 07E	1375		Antananarivo. From 1973 to 1981 III from 1993 II.
Tanbara	Ehime, Shikoku, Japan	JET	33 46 42N	133 02 54E	410		
Tanegashima	Ryūkyū Islands, Japan	TAJ	30 44 12N	130 59 36E	17		From 1970VII 01.
Tanegashima 2	Ryūkyū Islands, Japan	TAJ2	30 38 06N	130 58 48E	280		From 1984VIII.
Tanegashima 3	Ryūkyū Islands, Japan	JTN	30 39 18N	130 58 48E	240		
Tanete Lipujang	Sulawesi, Indonesia	TANI	3 26 10S	119 22 59E	230		
Tangerang	Jawa, Indonesia	TNG	6 10 18.0S	106 38 46.2E	14		
Tangkuban Prahu	Jawa, Indonesia	TPJ	6 46S	107 36E			*Closed*. From 1969.
Tanjungpandan	Sumatera, Indonesia	TPI	2 45 27.0S	107 39 12.6E			
Tannehill	Alabama, USA	TSAL	33 15 22N	87 04 03W	180		Tannehill State Park.
Tanohata	Iwate, Honshū, Japan	JTH	39 56 19.2N	141 51 49.2E	200		
Tanti	Córdoba, Argentina	TCA	31 20 19S	64 35 27W	910		From 1980 II.
Tapachula	Chiapas, México	TLA	15 01 44N	92 12 00W			
Tapachula	Chiapas, México	TPX	14 54 18N	92 15 40W	150		From 1984.
Tapini	Papua New Guinea	TPN	8 21 24.7S	146 59 01.4E	989		*Closed*.
Taplejung	Nepal	TAPN	27 21 00N	87 42 36E	2530		From 1994 IV.
Tapuio		SOB3	*See* Sobradinho				
Tara	Ireland	ETA	52 41 45N	6 12 36W	140		From 1982 III.
Taradale	North Island, New Zealand	TRZ	39 33 12S	176 49 17E	17		*Closed*. From 1962 V to 1988 V.
Taradale Trig	North Island, New Zealand	TTH	39 32 28.8S	176 49 34.2E	120		From 1987 III 19.
Tarade	Guadeloupe	TAG	16 02 31.2N	61 39 51.0W	1182		
Tara Hills	South Island, New Zealand	THP	44 32 42S	169 53 17E	760		*Closed*. From 1975 VI 01 to 1983 XI 21.
Tarama	Ryūkyū Islands, Japan	JTJ	24 38 27.0N	124 42 07.2E	7		
Taranto	Italy	TAR	40 28 30N	17 15 30E	15		*Closed*. To 1969.
Taranto	Italy	TTI	40 24 30N	17 17 00E	20		*TA1**Closed*. Formerly TA1. From 1977 I.
Taraponui	North Island, New Zealand	TAHZ	39 08 09S	176 44 25E	1297		*Closed*. From 1987 III.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Tarata	North Island, New Zealand	TNZ	39 11 14S	174 22 49E	123		*Closed*. From 1962 V to 1985 VII 27.
Taravao	Tahiti, Society Islands, French Polynesia	TVO TVO	17 46 57S	149 15 06W	660		
Tarawera	North Island, New Zealand	TAZ	38 13 59S	176 30 28E	1037		From 1984 VII.
Tarbela	Pakistan	TRB	34 04 58.2N	72 42 56.4E	532		
Targassone	Languedoc-Rousillon, France	TRGS	42 30 21N	1 58 29.2E	1700		
Tarija	Bolivia	TRJ	21 30 47S	64 46 34W	2100		*Closed*.
Tarragona, Tortosa		EBR	*See* Ebro Roquetas				
Tarraleah	Tasmania, Australia	TRR	42 18 15S	146 27 00E	579		From 1960.
Tartu	Estoniya, CIS	TTU	58 23N	26 43E			*Closed*. Dorpat, Jurjew Jurjeio.
Tashkent	Uzbekistan, CIS	TAS	41 19 30N	69 17 42E	470		Tachkent.
Taşlık	Turkey	TST	40 14 53.9N	28 22 23.9E	35		*Closed*. From 1978 XI.
Tasmania Univ.	Tasmania, Australia	TAU	42 54 35.7S	147 19 13.5E	132		From 1957.
Tasu	British Columbia, Canada	TSB	52 45 54.0N	132 01 58.8W	30		From 1984 IV 13.
Tatalina	Alaska and Aleutians, USA	TTA	62 55 48.4N	156 00 41.8W	990		Moved slightly 1985:08.
Tatalina	Alaska and Aleutians, USA	TTL	62 53 55N	155 58 34W			*Closed*.
Tatamá	Colombia	TATC	5 07 36.0N	75 59 48.8W	2200		
Tateyama	Chiba, Honshū, Japan	TAT	34 59 00N	139 52 06E	6		
Tateyama 2	Chiba, Honshū, Japan	TATJ	35 02 00N	139 53 24E	45		From 1990V 10.
Tatung		TTC	*See* Datong				
Taunus Mts	Hessen, Germany	TNS	50 13 20.8N	8 26 50.1E	815		Kleiner Feldberg. From 1913.
Tavernes	Provence-Côte d'Azur, France	TAVF	43 37 02.3N	6 03 28.1E	689		From 1982 XI.
Taveuni	Fiji	TVI	16 55 33.3S	179 57 33.5E	814		From 1981 XI.
Tavil'dara	Tadzhikistan, CIS	TDT	38 41N	70 29E			*Closed*.
Taviliu		VUL	*See* Vulcan				
Tavurvur	New Britain	TAV	4 13 52.2S	152 13 13.0E	31		From 1967.
Tawau	Sabah, Malaysia	TSM	4 13 24N	118 04 18E			
Tawu	Taiwan, China	TAW TAW	22 21 27.3N	120 53 44.5E	8		Dawu Tawa. Correction to coordinates Nov 1990.
Tawu	Taiwan, China	TWJ1	22 22 10.5N	120 53 01.7E	150		From 1978 I 13.
Tayabas	Luzon, Philippines	TAY	13 53 56N	121 51 58E	300		*TQP* Correction to coordinates 1993.
Taylor	California, USA	NTYM	38 23 22.2N	122 39 42.0W			
Taylor Farm	California, USA	CTFL	37 38 46.8N	121 40 21.0W	295		From 1981.
Taylor Mountain	California, USA	NTMM	38 23 08.9N	122 40 49.8W	105		From 1970 VIII 14.
Taylor Mountain	Idaho, USA	TMI	43 18 20N	111 55 05W	2179		
Taylor Ranch	California, USA	TRC	35 56 43.8N	120 28 27.0W	552		*PK3**PTYM* Parkfield Array 3. From 1967 I 12.
Tazeka	Morocco	TZK	34 05 20.4N	4 11 02W	1980		From 1993.
Tazercounte	Morocco	TZC	32 08 53N	6 29 24W	1700		
Tazlina	Alaska and Aleutians, USA	TZL	62 02 40.2N	145 25 25.8W	366		From 1990 VII.
Tbilisi		TIF	*See* Tiflis				
Tbilisi 2	Gruziya, CIS	TI2	41 44N	44 45E	510		Delisi. From 1978.
Tchernovtz (B), Tschernovtz (B)		CRB	*See* Chernovtsy (B)				
Tchimkent		CHM	*See* Chimkent				
Teanaway	Washington, USA	TWW	47 08 17.2N	120 52 04.5W	1046		From 1986 X.
Te Atua	North Island, New Zealand	TEHZ	39 59 22S	176 48 40E	407		*Closed*. From 1987 III.
Tecamachalco	Puebla, México	TCPM	18 53 24N	97 41 22W			
Tec. Monterrey	Nuevo León, México	TMM	25 45 01.8N	100 12 10.3W	585		Tecnológico de Monterrey.
Tec. Monterrey 2	Nuevo León, México	TMM2	25 41 57.0N	100 15 58.8W			Tecnológico de Monterrey 2.
Tecomasuche	El Salvador	TME	14 01 01N	89 21 20W	516		
Tecpan	Guatemala	TEP	14 47 16N	90 58 17.4W	1640		Correction to longitude Jul 1992. From 1978 VI.
Tecpan 2	Guatemala	TP2	14 47 00.0N	91 01 16.8W	3075		From 1982 I.
Tecpatan	Chiapas, México	TCX	17 07 58.8N	93 17 42.0W	471		From 1979 XII.
Teeking	Tonga	TEK	21 07 46.8S	175 19 18.0W	20		From 1970 X.
Teeples Ranch	Montana, USA	TEE	48 22 46.3N	115 35 17.1W	805		*Closed*. From 1971 II to 1976 X 04.
Tehachapi	California, USA	THC	34 54 31.2N	118 39 48.6W	1718		Tehachapi Microwave.
Tehrān	Iran	TEH	35 44 16N	51 23 08E	1360		
Tehran	Iran	THR	35 54 26.4N	51 07 35.4E	2120		
Tejeda	Spain	ATEJ	36 54 54.0N	4 00 50.4W	1480		
Tejon Ranch	California, USA	TJR	35 01 39N	118 44 33W	439		
Tekirdağ	Turkey	TDAG	40 59 25N	27 32 04E	148		From 1996 IV.
Tekketepe	Turkey	TKTP	38 02 24N	30 19 12E	1788		From 1996 IV.
Telchick Spring	Idaho, USA	TCSI	43 37 09.6N	113 28 42.0W	1731		From 1992.
Telegraph Creek	British Columbia, Canada	TCBC	57 55 23N	131 16 55W	1356		From 1989 X 10.
Teli	Tuvinskaya ASSR, RF, CIS	TEL	51 02N	90 14E			
Tellico Plains	Tennessee, USA	TLT	35 18 04.0N	84 16 59.9W	512		
Tema	Ghana	TEGH	5 38 12N	0 00 05W	14		From 1987.
Temblor Ra. SE	California, USA	TMB	35 05 14.3N	119 32 04.9W	1021		Temblor Range SE. From 1976 VI.
Temiskaming	Quebec, Canada	TMK	46 40N	79 04W			*Closed*.
Tempiute Mt.	Nevada, USA	TPU	37 36 18N	115 38 57W	1915		
Temuco	Cautin, Chile	TEM	38 46 30S	72 36 20W			*Closed*. From 1965 IX.
Temuco	Cautin, Chile	TMU	38 44 04S	72 36 02W	100		From 1974 IV.
Tena	Ecuador	TENA	0 43 57.6S	77 45 43.8W	1161		From 1994 IX 21.
Tenerife	Canary Islands	CTFE	28 28 46N	16 15 44W	270		Tenerife−Las Mesas. From 1983 I.
Tenerife	Canary Islands	TEN	28 27 51.5N	16 14 43.5W	1		*Closed*. Tenerife−Cabildo. From 1952 to 1983 I.
Tenhult	Sweden	TNU	57 38 16.8N	14 16 08.4E			*Closed*. From 1980 I to 1991.
Tenmabayashi	Aomori, Honshū, Japan	JTM	40 47 12.6N	141 04 05.4E	130		
Tennant Creek	Northern Territory, Australia	WRAB	19 56 00.0S	134 21 00.6E	266		From 1994 III 27.
Tennessee City	Tennessee, USA	TCT	36 00 19.2N	87 33 10.2W	245		From 1988 III 10.
Tennyson Woods	South Australia, Australia	TWOA TWOA	35 01 57S	138 34 41E	165		Tennyson Woods Observatory. IDA network station.
Tenryu	Shizuoka, Honshū, Japan	TNRJ	34 54 28.1N	137 53 06.7E	66		From 1979IV.
Teotitlán	Oaxaca, México	TEO	18 08 17.6N	97 04 30.6W	1060		
Tepee Creek	Montana, USA	TPMT	44 43 47.4N	111 39 56.4W	2518		From 1992 X 12.
Tepelena	Albania	TPE	40 17 42.7N	20 00 39.2E	240		From 1984 IV.
Tepich	Yucatán, México	TEIG	20 13 34.7N	88 16 35.0W	69		Correction to coordinates Nov 1997, Mar 1999.
Tepoztlán	Morelos, México	TPM	18 59 00N	99 03 42W	1500	WWSSN	
Teren Tiev Lake	Alaska and Aleutians, USA	TTV	61 03 17.4N	147 07 17.4W	533		From 1984 IX 18.
Ternate	Moluccas, Indonesia	TNE	0 50 55N	127 14 25E			Correction to coordinates Dec 1991.
Terradas	Spain	ETER	42 18 05.4N	2 51 19.8E	238		From 1988 III.
Terranova	Guatemala	TER	14 18 08.4N	90 41 01.2W	560		From 1975 III.
Terranova Bay	Victoria Land, Antarctica	TNV	74 41 42.0S	164 07 26.4E	40		
Terranova Sibari	Italy	TDS	39 39 31.8N	16 20 16.3E	273		Terranova di Sibari.
Terre Adélie	Terre Adélie, Antarctica	TAA	66 49 04S	141 23 42E	8		*Closed*.
Terre Haute	Indiana, USA	THI	39 24 25N	87 21 36W	150		From 1962 IX 21.
Teshikaga	Kushiro, Hokkaidō, Japan	TES	43 29 00.8N	144 24 10.0E	230		
Tesla Road	California, USA	CTLM	37 39 26.4N	121 38 37.8W	458		MNLO code CTL.
Tesuque Peak	New Mexico, USA	TSP	35 47 07N	105 46 53W	3664		From 1973 X 14.
Tete	Mozambique	TET	16 08 48.0S	33 34 36.4E	153		From 1970 XII.
Tete Morne	Dominica, WIAS	DTMT	15 13 58.8N	61 21 07.2W	496		
Tetilla Peak	New Mexico, USA	TTP	35 36 34N	106 12 23W	2103		From 1973 X.
Tetitlán	Guerrero, México	TETM	17 09 42.0N	100 37 49.8W	50		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Teton Pass	Wyoming, USA	TPAW	43 29 24.3N	110 57 02.3W	2512		From 1986 I.
Texada	British Columbia, Canada	TXB	49 41 48.8N	124 26 09.6W	515		From 1984 I 14.
Tezpur	Assam, India	TEZ					*Closed*.
Tezpur	Assam, India	TZR	26 38N	92 48E			
Thala	Tunisia	THA	35 33 37N	8 41 59E	1080		
Thallon Road	Queensland, Australia	WTRQ	27 31 43.0S	152 27 52.2E			From 1985 V 23.
Thamme Wali	Pakistan	THW	32 47 39.6N	71 44 33.6E	533		
The Dalles	Oregon, USA	VTDM	45 32 43.2N	121 18 41.4W	305		
Theodosia		FEO	*See* Feodosiya				
Thessaloniki	Greece	THE	40 37 56N	22 57 54E	70		From 1981 I 01.
They Montfort	Lorraine, France	THEF	48 13 41.5N	5 59 38.2E	469		They−sous−Montfort.
Thirsty	Nevada, USA	NT13	37 09 25.2N	116 40 02.3W	1628		
Thirsty Canyon	Nevada, USA	TCNV	37 08 48.0N	116 43 31.2W	1469		From 1984 XI 02.
Thompson	Ohio, USA	CTOM	41 41 30.0N	81 08 50.4W	387		*Closed*. To 1992 VI 15.
Thompson Ridge	California, USA	KTRM	41 54 31.2N	123 22 35.4W	1378		
Thorn Acres	Ohio, USA	CTHA	41 32 31.8N	81 06 39.0W	362		*Closed*. To 1992 VI 15.
Thornton Park	California, USA	SATS	33 42 28.2N	117 53 25.8W	−370		From 1987 II.
Thorofare Mt.	Alaska and Aleutians, USA	TRF	63 27 03.6N	150 17 14.4W	1717		From 1989 VIII.
Three Creek	Oregon, USA	TCO	44 06 27N	121 36 00W	1975		Three Creek Meadows. From 1987 VIII 27.
Three Point Mt.	Idaho, USA	TID	43 30N	115 56W			
Thule	Greenland	TE−	76 29 50N	68 36 20W	213		*Closed*. From 1965 X 12 to 1965 XI 15.
Thule	Greenland	THU	76 25N	68 18W	485		*Closed*.
Thunder Bay	Ontario, Canada	LHC	48 25N	89 16W	196		*Closed*. Lakehead University, Port Arthur. From
		LHC					1969 II 28 to 1986 IX 24.
Thunder Bay	Ontario, Canada	TBO	48 38 50.4N	89 24 30.0W	468		From 1987 I 23.
Tianjin	Hebei (Hopeh), China	TIE	39 08N	117 16E	20		T'ien−ching.
Tianshui	Gansu (Kansu), China	TNH	34 34 42N	105 45 06E			T'ien−shui.
T'ien−ching		TIE	*See* Tianjin				
T'ien−shui		TNH	*See* Tianshui				
Tierras Morenas	Costa Rica	AR3	10 35 13N	85 02 06W	760		*Closed*.
Tiflis	Gruziya, CIS	TIF	41 43N	44 48E	399		*Closed*. Tbilisi Tiblissi. From 1899 to 1978.
Tiflis 2		MTA	*See* Mtatiminda				
Tigre	Costa Rica	TIG	9 02 12.0N	83 17 45.6W	690		From 1989.
Tihany	Hungary	TIH	46 54 00.0N	17 53 34.8E	187		From 1987.
Ti−hua, Urumchi, Wu−lu−mu−ch'		WMQ	*See* Ürümqi				
Tijuco Alta	Paraná, Brazil	RSTA	24 39 03.0S	49 01 57.8W	248		From 1992.
Tiksi	Yakutskaya ASSR, RF, CIS	TIK	71 38N	128 52E	25		
Tiksi	Yakutskaya ASSR, RF, CIS	TIXI	71 38 56.4N	128 51 59.4E	50		
Tillmans−Whites	South Carolina, USA	TWB	33 06 54N	80 06 09W	9		Tillmans−Whites Bay. From 1988 III 01.
Timber Mountain	Nevada, USA	TMBR	37 02 03.0N	116 23 07.8W	1758		From 1982 II 19.
Timber Mountain	Nevada, USA	TMN	37 05 01N	116 26 38W	2190		From 1975 X.
Timişoara	Romania	TIM	45 44 12N	21 13 18E	88		Tindsoara. From 1943.
Tin City	Alaska and Aleutians, USA	TNA	65 33 38.2N	167 55 26.2W	74		Coordinates corrected Mar 1999. From 1976 VIII.
Tindsoara		TIM	*See* Timişoara				
Tinemaha	California, USA	TIN	37 03 18N	118 13 42W	1195		From 1929 IX 04.
Tinkers Knob	California, USA	TNK	39 16 03N	120 14 09W	2438		From 1973 IV.
Tin Mountain	California, USA	TMO	36 48 19N	117 24 29W	2195		From 1978 XI 28.
Tiouine	Morocco	TIO	30 55 36N	7 15 42W	1335		From 1969.
Tippipah	Nevada, USA	TP−	37 12 01N	116 13 34W	2256		*Closed*. From 1961 XII 06 to 1961 XII 16.
Tiptonville	Tennessee, USA	DY3	36 26 34.7N	89 30 25.0W	87		*Closed*. From 1969 to 1972.
Tiputa	Tuamotu, French Polynesia	TPT	14 59 04S	147 37 11W	3		
Tiranë	Albania	TIR	41 20 51.7N	19 51 54.0E	198		From 1968 IX.
Tishomingo	Oklahoma, USA	TO−	34 21 23N	96 34 05W	259		*Closed*. From 1961 XI 20 to 1961 XII 18 from 1962 V
		TO−					19 to 1962 VI 09.
Tissa	Morocco	TIS	31 53 31.2N	6 33 14.4W			
Titibu, Titiku		CHJ	*See* Chichibu				
Titizima		TTZ	*See* Chichi shima				
Titograd		TTG	*See* Podgorica				
Tkibuli	Gruziya, CIS	TKI	42 18N	43 00E			
Tlapa	Guerrero, México	TPG	17 33 38.4N	98 33 19.8W	1100		
Tlaxiaco	Oaxaca, México	TXO	17 16 54N	97 40 54W	2025		
Tlemcen	Algeria	TEC	34 51N	1 17W			
Tnine Yamani	Morocco	TSY	35 22 22N	5 58 12W			Tnine Sidi el Yamani.
Tobago	Trinidad and Tobago	TOB	11 08 27.6N	60 50 27.6W	15		*Closed*. Crown Point Airport. From 1977 V.
Tocklai	Assam, India	TOC	26 44N	94 46E	87		
Toconce	Antofagasta, Chile	TCN	22 16 30S	68 10 18W	3300		*Closed*.
Tocopilla	Antofagasta, Chile	TCP	22 07 23S	70 12 38W	10		*Closed*.
Tocopilla	Antofagasta, Chile	TPL	22 05 52S	70 12 34W	40		
Tocota	Peru	PP05	15 39 19.8S	74 05 11.4W	1005		
Todoroki	Wakayama, Honshū, Japan	TDR	34 09 35.0N	135 18 24.8E	50		*Closed*.
Tōgane	Chiba, Honshū, Japan	TOG	35 33N	140 22E	9		*Closed*. To 1941.
Tokai 1	Shizuoka, Honshū, Japan	TK01	33 45 54N	137 35 24E	−2202		From 1979IX.
Tokai 2	Shizuoka, Honshū, Japan	TK02	33 56 48N	137 45 24E	−1542		From 1979IX.
Tokai 3	Shizuoka, Honshū, Japan	TK03	34 09 54N	137 57 54E	−817		From 1979IX.
Tokai 4	Shizuoka, Honshū, Japan	TK04	34 23 06N	137 52 30E	−722		From 1979IX.
Tokat	Turkey	TOKT	40 19 13.2N	36 32 41.4E	500		From 1996 I 30.
Tokmak	Turkey	TTK	39 45 54N	28 02 42E	430		*Closed*. From 1983 VI to 1987 I.
Tok Microwave	Alaska and Aleutians, USA	TMW	63 19 28.2N	142 59 48.0W	495		From 1986.
Tokunoshima	Ryūkyū Islands, Japan	JTK	27 47 06N	128 57 06E	170		
Tokushima	Tokushima, Shikoku, Japan	TKS	34 03 54N	134 34 36E	2		
Tokushima 2	Tokushima, Shikoku, Japan	TKSJ	33 59 00N	134 02 54E	180		
Tōkyō	Tōkyō, Honshū, Japan	TOK	35 41 12N	139 45 30E	21		Tōkiō.
Toledo	Spain	TOL	39 52 53N	4 02 55W	480	WWSSN	*NE17**Closed*. NE17. From 1933 to 1992 X.
Toledo HGLP	Spain	TLO	39 51 36N	4 00 53W	465		*Closed*. Toledo High−Gain Long−Period. From
		TLO					1971 VIII to 1978 IX 17.
Tolicha Peak	Nevada, USA	TPK	37 16 07N	116 48 16W	2080		*Closed*. From 1979 VI 11 to 1982.
Tolima	Colombia	TOLC	4 35 19.5N	75 20 23.5W	2516		From 1994.
Tolmezzo	Italy	TLM	46 24 05N	13 00 52E	322		
Tololo Obs.	Coquimbo, Chile	TLL	30 10 01.8S	70 48 16.2W	2200		Tololo Astronomical Observatory. From 1970.
Tolsona	Alaska and Aleutians, USA	TOA	62 06 17.1N	146 10 20.4W	909		From 1971 IX 15.
Tolsta	Scotland, UK	RTO	58 22 40.1N	6 12 33.1W	74		From 1995 IX 10.
Tomahawk	Wisconsin, USA	TM−	45 29 31N	89 30 11W	488		*Closed*.
Tomahawk Gully	South Island, New Zealand	TMP	44 18 54S	170 07 12E	720		*Closed*. From 1975 to 1983 XI.
Tomakomai	Iburi, Hokkaidō, Japan	TMR	42 38N	141 35E	8		
Tomales Bay	California, USA	NTBM	38 14 52.2N	122 55 51.6W	128		MNLO code NTB.
Tomamai	Rumoi, Hokkaidō, Japan	TOI	44 13 16.4N	141 41 01.4E	40		
Tom, Dick, Harry	Oregon, USA	TDH	45 17 23.4N	121 47 25.2W	1541		Tom, Dick, Harry Mountain. From 1982 IX.
Tomie	Nagasaki, Kyūshū, Japan	TOM	32 36 30N	128 45 54E	28		*Closed*.
Tomisaki		TMS	*See* Mera				
Tonantzintla	Puebla, México	IIT	19 01 15.6N	98 18 28.8W	2205		
Tonasket	Washington, USA	TK−	48 47 38N	119 35 16W	549		*Closed*. From 1963 VIII 21 to 1964 V 17.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Tongareva I.	Cook Islands	TG− TG−	9 03 36S	158 02 08W	3		*Closed*. From 1962 IV 30 to 1962 VIII 04 from 1962 IX 30 to 1962 XI 04.
Tongariro	North Island, New Zealand	TON	39 12 10S	175 32 17E	1120		*Closed*. From 1952 X to 1966 IV.
Tongue	Scotland, UK	OTO	58 29 43.1N	4 23 38.4W	338		From 1995 IX 21.
Tonnelnyy	Buryatskaya ASSR, RF, CIS	TNL	56 18N	113 24E			
Tonopah	Nevada, USA	TNP	38 04 55.2N	117 13 04.8W	1932		From 1963 X 11.
Tonopah	Nevada, USA	TPH	38 04 30N	117 13 21W	1884		From 1961 IX.
Tonopah	Nevada, USA	TPV	38 03 57.0N	117 13 40.8W	1890		*Closed*. From 1965 to 1970.
Tonto Forest Ar.	Arizona, USA	TFO	34 16 04N	111 16 13W	1492		*Closed*. From 1963 to 1975 III.
Tonto Hills Obs.	Arizona, USA	THO THO	33 52 31N	111 52 25W	1134		*Closed*. Moved to this position from MMA. From 1973 II 04 to 1974 VII.
Toogoolawah	Queensland, Australia	WTGQ	27 08 44.9S	152 19 59.9E	130		From 1977 III 18.
Toolangi	Victoria, Australia	TOO	37 34 17S	145 29 26E	604		From 1962.
Toone Canyon	Utah, USA	TCUT	41 07 05.4N	111 24 38.4W	2316		From 1989 VIII.
Topalu	Romania	TLB	44 35 20N	28 02 00E	15		
Tophouse	South Island, New Zealand	THZ	41 45 49.8S	172 54 13.2E	760		From 1989 XI 30.
Topkok	Alaska and Aleutians, USA	TKK	64 33 21N	163 59 48W	122		
Topolobampo	Sinaloa, México	TPB	25 35 48N	109 03 12W	25		
Topolovo	Kamchatskaya Obl., RF, CIS	TOP	53 16N	158 00E			
Topopah Spring	Nevada, USA	TPNV	36 56 55.8N	116 14 58.2W	1600		From 1992 VI 15.
T or C	New Mexico, USA	TC−	33 11 03N	107 27 42W	1524		*Closed*. From 1961 XII 20 to 1962 V 03.
Tordecillas	Spain	TORR	36 58 20.4N	4 04 27.6W	1321		
Torete	Spain	ETOR	40 49 10.0N	2 03 18.6W	1018		From 1988 III.
Torino	Italy	TNO	45 03 31.5N	7 41 49.0E	260		From 1971 V 06.
Tori shima	Bonin Islands, Japan	TOR	30 28 54N	140 18 18E	82		*Closed*. Tori Sima.
Toronto	Ontario, Canada	TNT	43 40N	79 24W	111		*Closed*. From 1897 to 1942.
Torsby	Sweden	TBY	60 04 44.4N	12 49 48.0E	285		From 1978 I.
Tortuguero	Costa Rica	TRTC	10 34 31.2N	83 42 48.6W	105		From 1996.
Tory Channel	South Island, New Zealand	TCW	41 12 48S	174 16 33E	150		From 1977 III 28.
Tosashimizu	Kō chi, Shikoku, Japan	JTO	32 51 36N	132 48 06E	200		
Tottori	Tottori, Honshū, Japan	TOT	35 29 06N	134 14 24E	18		Correction to coordinates Jan 1993.
Tottori	Tottori, Honshū, Japan	TOTJ	35 28 42N	134 16 18E	27		Tottori outpost station. From 1979.
Toulx Ste Croix	Limousin, France	TCF	46 17 17N	2 12 36E	593		Toulx Sainte Croix.
Toumodi	Ivory Coast	TIC	6 38 41N	5 01 12W	263		From 1967 VI 01.
Tounfite	Morocco	TNF	32 31 48N	5 19 08W	2250		From 1993.
Touzarine	Morocco	TOU	34 57 43N	3 45 14W	1126		From 1993.
Tovanakuss	New Britain	ETV	4 13 45S	151 40 33E	140		
Tower One	California, USA	TOW	35 48 32.4N	117 45 51.6W	684		
Townsend	Tennessee, USA	TSTN	35 40 35.8N	83 42 14.5W	341		
Townsville	Queensland, Australia	TVL	19 15 42S	146 46 06E	5		*Closed*.
Toyama	Toyama, Honshū, Japan	TOY	36 42 24N	137 12 18E	10		
Toyo'oka	Hyogo, Honshū, Japan	TYK	35 32 00N	134 49 30E	4		
Toyota	Yamaguchi, Honshū, Japan	JTY	34 15 48N	131 03 54E	120		
Trabzon	Turkey	TBZ	40 59 47N	39 46 34E	57		*Closed*. Istanbul. From 1976 VII 10.
Tracy	Minnesota, USA	TY−	44 20 45N	95 31 11W	351		*Closed*.
Tradedollar Lake	Washington, USA	TDL	46 21 03N	122 12 57W	1400		
Trail	Hawaii, Hawaiian Islands	TRH	19 24 54.6N	155 32 57.6W	3207		
Trail Creek	Wyoming, USA	YTC	44 17 47.4N	110 13 55.2W	2360		
Tranquillity	Tennessee, USA	TQTN	35 30 57.6N	84 43 33.0W	260		
Trask Mountain	Oregon, USA	TKO	45 22 16.7N	123 27 14.0W	1024		From 1991 VIII 20.
Travnik	Bosnia-Hercegovina	TRA	44 13N	17 41E			*Closed*.
Trente	Italy	TRE	39 17N	16 19E	534		*Closed*.
Tres Cuevas	Texas, USA	TTX	29 18 59N	103 43 05W	1006		
Tres Piedras	New Mexico, USA	TD−	36 39 20N	106 10 18W	2926		*Closed*. From 1963 VIII 22 to 1963 XI 26.
Tres Rios	Rio de Janeiro, Brazil	TRRB	22 09 14.8S	43 11 43.8W	222		
Tretes	Jawa, Indonesia	TRT	7 42 14.4S	112 38 06.0E			Moved slightly 1978:07:19.
Trevaresse	Provence-Côte d'Azur, France	TREF	43 37 26.8N	5 23 02.0E	460		
Treviso	Italy	TRV	45 40N	12 11E	14		*Closed*.
Trewern Hill	Wales, UK	HTR	52 04 44.4N	3 16 10.9W	329		From 1982.
Triangle−X Ranch	Wyoming, USA	TRXW	43 44 57.3N	110 33 36.5W	2256		From 1986 I.
Trieste	Italy	TRI	45 42 32N	13 45 51E	161	WWSSN	Grotta Gigante Triest. From 1963 VII 29.
Trieste	Italy	TTE	45 38 45.7N	13 45 43.2E	3		Mednet station. From 1989.
Trieste (CM)	Italy	TRS	45 38 34N	13 45 14E	8		*Closed*. Campo Marzio.
Trig B	South Island, New Zealand	TBC	45 08 47S	169 19 49E	619		*Closed*.
Trig L	South Island, New Zealand	TLC	45 11 28.7S	169 04 16.7E	1393		*Closed*.
Trims Highway	Alaska and Aleutians, USA	THY	63 25 00.0N	145 45 07.8W	732		From 1986.
Trinidade Is	Brazil	TIB					*Closed*.
Trinidad (USA)	Colorado, USA	TDC	37 15 13N	104 20 05W	1750		*Closed*. From 1970 to 1972 XI.
Trinidad (USA)	Colorado, USA	TJC	37 13 01.0N	104 41 28.2W	2103		
Trinidad (W)	Trinidad and Tobago	TRN	10 38 52.8N	61 24 10.8W	24	WWSSN	From 1959 VIII 06.
Trinity Mountain	Idaho, USA	TYI	43 36 00.0N	115 27 07.8W	2613		
Trinity Point	Oregon, USA	TPOR	45 01 28N	117 05 09W	2000		From 1991 IX.
Tripped Ranch	California, USA	TPRS	34 05 19.8N	118 35 12.0W	−1		From 1985 XI 01.
Trivandrum	Kerala, India	TRD TRD	8 30 28N	76 57 30E	64		Co−ordinates corrected Feb 1998. From 1966 VIII 15.
Trivandrum	Kerala, India	TRVM	8 30 28.8N	76 57 30.6E	30		
Tromm	Hessen, Germany	TOD	49 36 20.4N	8 48 13.8E	440		From 1974 X.
Tromsø	Norway	TRO	69 37 57N	18 55 41E	15		
Tropico Hills	California, USA	TPO	34 52 43.8N	118 13 39.6W	799		
Trotters	North Dakota, USA	TS−	47 06 25N	103 40 23W	816		*Closed*. From 1964 X 02 to 1965 V 14.
Trough	Oregon, USA	VTHM	45 10 52.2N	120 33 37.8W	773		MNLO code VTH.
Trough Springs	California, USA	GTSM	39 18 42N	122 36 09W	1103		
Trout Cr. Butte	Oregon, USA	VTCM	44 54 49.2N	121 39 57.0W	1690		Trout Creek Butte.
Trout Gulch Rd	California, USA	JTGM	37 01 42.6N	121 52 34.7W	253		Trout Gulch Road. From 1975 X 02.
Trout Lake	Michigan, USA	TT−	46 12 35N	85 10 04W	259		*Closed*.
Troy	New York, USA	TRY	42 43 52N	73 40 01W	118		From 1960.
Trozza	Tunisia	TROT	35 33 42.0N	9 36 00.6E	900		
Trujillo	Peru	TRP	8 04 40.8S	78 51 39.6W			
Truk	Caroline Islands	TRU	7 26 45N	151 51 20E	107		*Closed*. From 1949 III.
Tryon Peak	North Carolina, USA	TRYN	35 14 45.6N	82 16 01.2W	915		From 1983 III 22.
Tsaile	Arizona, USA	TSL TSL	36 22 20N	109 14 37W	2012		*Closed*. Navajo Community College. From 1975 V 22.
Tsebel'da	Gruziya, CIS	TSE	43 01N	41 17E			
Tsey	Severo-Osetinskaya ASSR, RF, CIS	ZEI ZEI	42 46 12N	43 53 54E			
Tsim Bei Tsui	Hong Kong	THK	22 29 16.1N	114 00 33.4E	4		Correction to latitude Dec 1992.
Tsina	Alaska and Aleutians, USA	TSIM	61 13 34.3N	145 20 14.3W	1113		
Tsingtao, Ch'ing−tao		TSN	*See* Qingdao				
Tsu	Mie, Honshū, Japan	TSU	34 42 06N	136 31 06E	4		Tu.
Tsu	Mie, Honshū, Japan	TSU1	34 43 48N	136 31 24E	18		
Tsu 2	Mie, Honshū, Japan	TSUJ	34 42 36N	136 25 06E	30		From 1988III 19.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Tsukuba	Ibaraki, Honshū, Japan	TSK	36 12 39N	140 06 35E	280		From 1966IV.
Tsukuba San		MTJ	*See* Mount Tsukuba				
Tsumeb	Namibia	TSUM	19 12 07.9S	17 35 01.7E	1240		From 1994 IX.
Tsuno	Miyazaki, Kyūshū, Japan	JTSN	32 14 43.8N	131 30 17.4E	120		From 1997III.
Tsuruga	Fukui, Honshū, Japan	TSR	35 39 00N	136 03 54E	2		
Tsuruga	Fukui, Honshū, Japan	TSRJ	35 32 12N	135 59 00E	47		Tsuruga outpost. From 1978.
Tsurugi yama	Tokushima, Shikoku, Japan	TSS	34 02 30N	134 10 12E	57		Anabuki Tsurugi san.
Tsushima	Nagasaki, Kyūshū, Japan	JTU	34 31 30N	129 23 54E	70		
Ttatey	Toyama, Honshū, Japan	JTT	36 36 18N	137 20 00E	236		
Tuai	North Island, New Zealand	TUA	38 48 29S	177 09 02E	274		*Closed*. From 1932 IX to 1988 III 09.
Tual	Irian Jaya (West Irian), Indonesia	TLE TLE	5 38 15.0S	132 44 58.8E			
Tuapeka	South Island, New Zealand	TUZ	45 57 22S	169 37 56E	110		From 1991 IV 04.
Tübingen	Baden-Württemberg, Germany	TUB	48 31 37N	9 03 40E	330		*Closed*. From 1933 to 1971.
Tubuai	Tubuai, French Polynesia	TBI	23 20 56S	149 27 39W	10		From 1976.
Tuckaleechee	Tennessee, USA	TKL	35 39 28.8N	83 46 26.4W	350		From 1978 VII 30.
Tucson	Arizona, USA	TUC TUC	32 18 35N	110 47 03W	906	WWSSN	Correction to coordinates Sep 1992. From 1962 XII 17.
Tucson	Arizona, USA	TUT TUT	32 20 06N	110 43 24W	1439		*Closed*. Tucson Telemeter. From 1958 I 05 to 1962 I.
Tucson Desert	Arizona, USA	TDM	32 14 39N	111 10 07W	866		Tucson Desert Museum. From 1978 XII 22.
Tucson Obs.	Arizona, USA	TUO	32 14 48N	110 50 06W	770		From 1909.
Tucumán	Tucuman, Argentina	TCM	26 48S	65 12W	475		*Closed*.
Tuguegarao	Luzon, Philippines	TLP	17 39 08.4N	121 45 34.2E			MAN code TGP.
Tuhingamata	North Island, New Zealand	TUTZ	38 42 42S	175 59 28E	614		From 1986 I.
Tuis	Costa Rica	TUI	9 50 30.3N	83 33 26.4W	1300		From 1984 III 17.
Tuktoyaktuk	Northwest Territories, Canada	TKT	69 25 57N	132 59 45W	3		*Closed*. From 1982 VII 28 to 1984 VII 11.
Tuktoyaktuk	Northwest Territories, Canada	TUK	69 26 24N	133 01 42W	10		*Closed*. From 1980 XII 02 to 1982 VII 20.
Tulancingo	Hidalgo, México	TLX	20 02 15N	98 26 10W	2250		
Tulbagh	Cape Province, South Africa	TUH	33 17 48S	19 09 00E	190		*Closed*.
Tulsa	Oklahoma, USA	TSO	36 08 53.4N	95 53 52.3W	210		*Closed*. From 1973 II to 1974 IV 29.
Tulsa (Univ.Okla.)	Oklahoma, USA	TUL	35 54 38N	95 47 33W	261		University of Oklahoma. From 1961 VII.
Tumbaco	Ecuador	QUT	0 12 08S	78 23 32W	2345		*Closed*.
Tumwater	Washington, USA	TUM	47 00 54N	122 54 30W	20		From 1958 V.
Tunceli	Turkey	TNC	39 06 30N	39 33 12E	1003		From 1973 IX 14.
Tunduma	Tanzania	TDMT	9 17 46.2S	32 46 16.2E	1590		From 1992 VI 17.
Tungshih	Taiwan, China	TWQ	24 16 28.8N	120 50 09.0E	443		From 1972 IX 08.
Tungsten Hills	California, USA	MTUM	37 21 12.0N	118 33 48.6W	1810		From 1984 XII 15.
Tungurahua	Ecuador	TUNG	1 25 05.4S	78 26 43.8W	2774		*Closed*. From 1989 VI to 1992 XII 30.
T'ung−yeun Feng	Shaanxi (Shensi), China	TYF	34 30N	109 04E	365		
Tunis	Tunisia	TUN	36 48N	10 08E			*Closed*.
Tunkhannock	Pennsylvania, USA	TU−	41 34 17N	76 08 12W	366		*Closed*. From 1962 VIII 02 to 1962 X 05.
Tuntungan	Sumatera, Indonesia	TSI	3 30 03.0N	98 33 52.2E			From 1974 X.
Tupik	Chitinskaya Obl., RF, CIS	TUP	54 26N	119 54E			
Tupiza	Bolivia	TPZ	21 27 54.0S	65 42 58.7W	2960		
Tura	Meghalaya, India	TURI	25 33N	90 20E	305		NDI code TUR.
Turbat	Uzbekistan, CIS	TUR	41 44N	69 39E			*Closed*.
Turhal	Turkey	TRHT	40 20 59N	36 10 40E	1190		Correction to coordinates Oct 1994. From 1992.
Turkey Creek	South Carolina, USA	TRK	33 07 19.8N	79 46 40.0W	10		From 1980 VI 25.
Turnbull Canyon	California, USA	TCC	33 59 40.2N	118 00 46.2W	299		*Closed*. From 1976 XI.
Turner	Maine, USA	TRM	44 15 34.9N	70 15 18.3W	113		*Closed*. From 1977 to 1999 I.
Turnu Roşu	Romania	TNR	45 39 07.2N	24 16 22.8E	519		From 1989 VII.
Turnu Roşu	Romania	TUU	45 39 09N	24 16 23E	519		From 1988 VI 15.
Turtle Mountains	California, USA	TTM	34 20 07.2N	114 49 39.0W	1098		From 1974 IV.
Tuscania	Italy	TU1	42 25 07N	11 52 28E	166		*Closed*.
Tuscan Springs	California, USA	LTCM	40 12 30N	122 07 27W	257		MNLO code LTC.
Tuscarora	New York, USA	TUS	43 10 48N	78 57 33W	165		*Closed*. From 1971 VI to 1974 III.
Tuttle Cr. Res.	Kansas, USA	TCK	39 23 05.4N	96 43 21.0W	376		Tuttle Creek Reservoir. From 1977 VIII 15.
Tuxedo	New York, USA	TXNY	41 10 39.0N	74 11 19.4W	143		From 1990.
Tuyên−Quang	Vietnam	TQV	21 49 42N	105 12 30E	35		From 1975 VII 27.
Tuzandepetl	Campeche, México	TUIG	18 02 02.0N	94 25 21.7W	100		Coordinates corrected Mar 1999.
TwentyNine Palms		TN−	*See* 29 Palms				
Twentynine Palms		TPC	*See* 29 Palms				
Twin Lakes	California, USA	TWL	34 16 42.0N	118 35 40.2W	390		From 1971 XI 01.
Twin Peaks	California, USA	TWN	36 03 09.6N	121 30 27.0W	148		*Closed*. From 1973 XII 17 to 1975 IX.
Twin Springs	Nevada, USA	TSV	38 12 06N	116 10 30W	1585		*Closed*. From 1965 to 1972.
Twissleman	California, USA	PTRM	35 39 16.8N	120 12 40.2W	643		Twissleman Ranch.
Twist	Arkansas, USA	TWAR	35 21 41.0N	90 33 34.9W	61		
Two Mile Stream		D6A	*See* Dickey				
Tymovskoe	Sakhalinskaya Obl., RF, CIS	TYV	50 51N	142 39E	160		From 1969.
Tyneside	Ontario, Canada	TYNO	43 05 41.4N	79 52 13.1W	205		From 1991 VII 18.
Tyosen		INC	*See* Inchŏn				
Tyrgan	Irkutskaya Obl., RF, CIS	TRG	52 45N	106 18E	720		
Tyson Valley	Missouri, USA	TYS	38 31 36.6N	90 33 57.6W	195		From 1974 II 19.
Uakit	Buryatskaya ASSR, RF, CIS	UKT	55 30N	113 36E	1140		
Überruh	Baden-Württemberg, Germany	UBR	47 40 50.8N	10 06 29.0E	895		
Uccle	Belgium	UCC	50 47 54N	4 21 34E	105		
Uddeholm	Sweden	UDD	60 05 24N	13 36 24E	240		
Udine	Italy	UDN	46 03 48N	13 14 12E	100		*Closed*. From 1976 VI 01 to 1978.
Udine O.G.S.	Italy	UDI UDI	46 03 54N	13 14 12E	112		Udine Osservatorio Geofisico Sperimentale. From 1977 VI 24.
Ufford	England, UK	KUF	52 37 03.0N	0 23 22.0W	35		From 1988.
Ugak Island	Alaska and Aleutians, USA	UGI	57 23 40.2N	152 16 54.0W	213		
Ugashik Lake	Alaska and Aleutians, USA	UKL	57 24 06N	156 51 18W	410		*Closed*. From 1975 X.
Ugashik Lake	Alaska and Aleutians, USA	USL	57 23 54N	157 01 48W	500		
Uglegorsk	Sakhalinskaya Obl., RF, CIS	UGL	49 05N	142 05E	125		Ouglegorsk Ouglegorsk, replaces Esutoru *ESU*.
Ugurusu	Kōchi, Shikoku, Japan	URS	33 32 15.2N	133 29 18.9E	25		From 1957VI 01.
Uinta Basin Array	Utah, USA	UBO	40 19 18.0N	109 34 07.3W	1596		*Closed*. From 1970 IV to 1973 IX.
Ukalunda	Queensland, Australia	UKAQ	20 53 56.4S	147 07 37.2E	200		From 1984 III 28.
Ukiah	Oregon, USA	UK−	45 05 35N	118 53 55W	1311		*Closed*. From 1963 II 08 to 1963 III 01.
Ukiah	California, USA	UKI	39 08 14N	123 12 38W	199		From 1931 IX.
Ulaanbaatar		OBM	*See* Ulan Bator				
Ulaanbaatar	Mongolia	ULN	47 51 54.7N	107 03 10.1E	1615		Ulan Bator. Coordinates corrected August 1997.
Ulamona	New Britain	ULA	5 00 23S	151 15 20E	10		*Closed*. To 1971 from 1976 XII to 1981 XII 08.
Ulamona	New Britain	ULO	5 03 32.4S	151 18 10.8E	980		From 1981 XII 09.
Ulan Bator	Mongolia	OBM	47 55 12N	106 58 12E	1330		Ulaanbaatar Coordinates corrected Oct 1998.
Ulcinj	Montenegro	ULC	41 57 48.1N	19 14 58.9E	465		From 1983 XII 25.
Uludağ	Turkey	ULDT	40 08 32N	29 08 10E	1734		From 1996 IV.
Umaji	Kōchi, Shikoku, Japan	UMJ	33 32 46.3N	134 02 49.3E	320		
Umak	Alaska and Aleutians, USA	AD2	51 54 12N	176 01 06W	381		*Closed*. From 1974 to 1992 II 01.
Umberatana	South Australia, Australia	UMB	30 14 24S	139 07 41E	610		From 1967 VI.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Umeå	Sweden	UME	63 48 54N	20 14 12E	16	WWSSN	From 1962 I 25.
Umm Al−Rimmam	Kuwait	UMR	29 33 06.9N	47 42 25.5E	82		
Umm Al−Ruwaisat	Kuwait	RST	29 30 35.0N	47 01 54.0E	218		
Umtata	Cape Province, South Africa	UMT	31 35 00S	28 45 18E	800		*Closed*. From 1988 VIII.
Unalakleet	Alaska and Aleutians, USA	UNL	63 53 36N	160 41 12W	91		
Unalaska	Alaska and Aleutians, USA	UNA UNA	53 52 24N	166 32 00W			*Closed*. Aleutian Islands. From 1954 IV 06 to 1956 IX 10.
Undu Point	Fiji	UDU	16 09 07.6S	179 59 16.9W	170		From 1981 XI.
Union Grove	Tennessee, USA	UGRT	35 36 39.4N	84 07 01.2W	302		From 1983 XI 05.
Unión Juárez	Chiapas, México	MUX	15 04 44.4N	92 04 26.4W			
Union Valley	Oklahoma, USA	UYO	34 10 00.0N	94 27 31.7W	231		From 1989 IV 15.
Unionville	Nevada, USA	UVN	40 26 32.4N	118 09 30.0W	1926		*Closed*. From 1964 IX 13 to 1969 XII.
Unionville	Nevada, USA	UVN1	40 27N	118 09W	1870		*Closed*.
Univ. Cal.	California, USA	JUCM JUCM	37 00 04.3N	122 02 54.6W	177		University of California, Santa Cruz. From 1975 I 29.
Univ. Columbia	British Columbia, Canada	EPMB	51 03 48N	118 32 24W	2150		*Closed*. University of British Columbia.
Université d'Alger		ALG	*See* Algiers Univ.				
University of Connecticut		UCT	*See* Connecticut Univ.				
University of Tennessee at Martin		UTM	*See* Univ. Martin				
University of Tennessee at Martin		UTMA	*See* Univ. Martin				
University of the Andes		UAV	*See* Mérida				
Univ. Martin	Tennessee, USA	UTM UTM	36 17 24.0N	88 56 27.6W	108		*Closed*. University of Tennessee at Martin. From 1982 VIII 12 to 1985.
Univ. Martin	Tennessee, USA	UTMA	36 17 34.8N	88 58 33.6W	108		University of Tennessee at Martin. From 1985 XI.
Univ. of Arizona	Arizona, USA	UOA	32 13 59N	110 57 10W	741		*Closed*. From 1972 IV to 1974 IV.
Univ. of Jordan	Jordan	UNJ	32 00 57N	35 52 15E	1050		University of Jordan, Amman.
Univ. of Panama	Panama	UPA	8 58 53.4N	79 32 02.4W	41		From 1983 VIII.
Univ. of S Cal.	California, USA	USC	34 01 09.0N	118 17 07.2W	60		University of Southern California. From 1993 I.
Univ. of Toledo	Ohio, USA	UTO	41 39 43.0N	83 34 27.3W	179		University of Toledo, Ohio. From 1977 XII 20.
Univ. Stadium	California, USA	CMSB	37 52 19.3N	122 15 02.2W	−42		University of California Stadium. From 1995.
Univ. Wisconsin	Wisconsin, USA	UWM	43 04 46.1N	87 52 42.2W	204		University of Wisconsin at Milwaukee.
Unvar		UZH	*See* Uzhgorod				
Unzen dake	Nagasaki, Kyūshū, Japan	UNZ	32 44 24N	130 15 54E	678		
Upington	Cape Province, South Africa	UPI	28 21 43.0S	21 15 09.8E	845		From 1993 V.
Uppsala	Sweden	UPP	59 51 30N	17 37 36E	14		Upsala.
'Uqlat aş Şuqūr	Saudi Arabia	UQSK	25 47 20.4N	42 21 36.0E	950		From 1990V 23.
Urahoro	Tokachi, Hokkaidō, Japan	URH	42 55 37.3N	143 40 28.0E	120		
Urakawa	Hidaka, Hokkaidō, Japan	URA	42 09 30N	142 46 54E	30		
Urakawa 2	Hidaka, Hokkaidō, Japan	URAJ	42 13 28.8N	142 42 18.0E	40		From 1991VI 07.
Urakawa 3	Hidaka, Hokkaidō, Japan	URA3	42 16 36N	142 40 00E	30		From 1993XII 10.
Urasca	Costa Rica	URSC	9 50 06.0N	83 46 41.4W	1500		
Ura−Tyube	Tadzhikistan, CIS	URT	39 55N	69 01E			From 1970.
Ureshino	Nagasaki, Kyūshū, Japan	JUR	33 05 36N	129 56 54E	160		
Urewera	North Island, New Zealand	URZ	38 15 37S	177 06 37E	100		From 1990 X 09.
Ürümqi	Xinjiang Uygur Zizhiqu (Sinkiang Uighur), China	WMQ WMQ	43 49 16N	87 41 42E	897		Ti−hua, Urumchi, Wu−lu−mu−ch'.
Ust'−Elegest	Tuvinskaya ASSR, RF, CIS	UER	51 34N	94 05E			
Ustica	Sicily, Italy	USI	38 42 25.9N	13 10 40.2E	54		
Ust'−Kan	Altayskiy Kray, RF, CIS	UKR	50 57N	84 45E			
Ust'−Nera	Yakutskaya ASSR, RF, CIS	UNR	64 34N	143 12E			
Ust'−Nyukzha	Amurskaya Obl., RF, CIS	USZ	56 34N	121 37E			
Ust'−Omchug	Magadanskaya Obl., RF, CIS	USO	61 09N	149 38E			
Usuki	Ōita, Kyūshū, Japan	JUS	33 03 54N	131 45 00E	140		
Utowana Lake	New York, USA	UWL	43 50 16N	74 32 36W	561		*Closed*. From 1974 VII to 1981.
Utrecht	Netherlands	NE05	52 05 16.8N	5 10 19.2E	2		From 1982 III to 1984 IV from 1986 I.
Utsunomiya	Tochigi, Honshū, Japan	UTS	36 32 48N	139 52 24E	120		
Utsunomiya	Tochigi, Honshū, Japan	UTSU	36 32 49.3N	139 55 01.4E	110		From 1962II.
Utuhina	North Island, New Zealand	UTU	38 10 39S	176 11 32E	410		From 1986 VII.
Uvira	Zaïre	UVI	3 24S	29 07E	950		From 1955 to 1964 from 1991.
Uwa jima	Ehime, Shikoku, Japan	UWA	33 13 30N	132 33 30E	44		Uwazima. To 1993 I 31.
Uwa jima 2	Ehime, Shikoku, Japan	UWA2	33 12 48N	132 37 30E	460		From 1993 II 01.
Uwekahuna	Hawaii, Hawaiian Islands	UWE	19 25 24N	155 17 36W	1240		From 1930.
Úzd	Hungary	UZD	46 35 33.0N	18 34 54.5E	207		From 1987.
Uzhgorod	Ukraina, CIS	UZH	48 38N	22 18E	159		Unvar Uschgorod, Ungvar.
Üzümlü	Turkey	UZU	39 42 31N	39 41 53E	1500		
V.A. Hospital	California, USA	CVAL	37 37 06.0N	121 45 29.4W	201		Veterans Administration Hospital. From 1981 II 10.
Vaihoa	Tuamotu, French Polynesia	VAH	15 14 20S	147 37 52W	3		
Vajont	Italy	VAJ	46 16 00N	12 19 48E	725		Belluno.
Valandovo	Macedonia	VAY	41 19 15.8N	22 34 12.2E	168		From 1969 I.
Valdeflores	Oaxaca, México	VDF	16 45 39.6N	96 49 19.2W			
Valdez	Alaska and Aleutians, USA	VLD	61 07 03.0N	146 15 49.2W	61		*Closed*.
Valdez	Alaska and Aleutians, USA	VLZ	61 07 53.4N	146 19 55.2W	10		From 1971 IX 02.
Valdez South	Alaska and Aleutians, USA	VZS	61 02 39.0N	146 18 19.2W	668		From 1972 VII 22 to 1976 III 27.
Valdez West	Alaska and Aleutians, USA	VZW	61 03 32.4N	146 33 14.4W	796		*Closed*. From 1972 VII 17 to 1998.
Val di Lei	Switzerland	VDL	46 29 11.4N	9 28 11.4E	1900		From 1982.
Valdivia	Valdivia, Chile	VLV	39 47 24S	73 16 35W	12		From 1967 VIII 01.
Val d'Or	Quebec, Canada	VDQ	48 13 48N	77 58 18W	305		From 1980 XII 09.
Valea Ierii	Romania	VLR	46 39 15N	23 21 17E	1080		*Closed*. From 1982 IX 01 to 1989 I 01.
Valentia	Ireland	VAL	51 56 22N	10 14 39W	14	WWSSN	From 1962 X 23.
Valinhos	São Paulo, Brazil	VAO VAO	23 00 07.9S	46 57 56W	840		Coordinates corrected Nov 1997. To 1978 XI 28 from 1982 IX 14.
Valkenburg	Netherlands	NE15	50 52 01.2N	5 47 06.0E	100		From 1984 VI.
Valle Caidos	Spain	NE12 NE12	40 38 31.2N	4 09 18.0W	1280		*Closed*. Valle de los Caidos. From 1983 V to 1985 II.
Vallecito	California, USA	CVLM	37 37 34.8N	121 50 08.4W	245		MNLO code CVL. From 1979 XI 14.
Valle d.l. Mare	Channel Islands, UK	JVM	49 13 00.8N	2 12 24.5W	64		From 1981.
Valle Guanape	Venezuela	GUAN	9 57 27N	65 38 52W	1107		From 1984.
Valley Road	California, USA	AVRM	39 01 29.3N	121 16 04.8W	91		From 1976 VII 15.
Valparaíso	Valparaíso, Chile	UTF	33 02 06S	71 36 15W	50		
Valparaíso	Valparaíso, Chile	VLP	33 01 32.7S	71 38 27.9W	88		From 1973.
Valsamáta	Greece	VLS	38 10 38N	20 35 23E	375		Kephallenia.
Valverde	Canary Islands	CVVD	27 49 15N	17 56 10W	450		*Closed*. Valverde−Aguarijo. From 1985 II to 1993 X.
Valverde	Spain	EVAL EVAL	37 35 03.0N	6 44 51.0W	295		Valverde del Camino. Correction to longitude 1987. From 1985 III.
Valverde	Canary Islands	VVD	27 48 26.6N	17 54 40.4W	540		*Closed*. From 1973 IX to 1985 II.
Vámos	Crete, Greece	VAM	35 24 25N	24 11 59E	225		
Van	Turkey	VANT	38 26 42.0N	43 23 19.8E	1750		From 1994 I 22.
Van	Turkey	VNT	38 31 00.8N	43 23 03.8E	1804		*Closed*. From 1979 XII.
Vanda	Victoria Land, Antarctica	VND	77 31 26S	161 40 19E	150		*Closed*. From 1969 I 12 to 1971 II 01.
Vanda	Victoria Land, Antarctica	VNDA VNDA	77 31 01.9S	161 51 10.1E	121		Coordinates corrected Sept 1998. From 1986 XII 04.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Van Goodin	California, USA	OGOM	39 39 13.3N	121 36 43.2W	158		Van Goodin Ranch. From 1976 XII 28.
Van Hill	Tennessee, USA	VHTN	36 23 56.4N	82 48 07.2W	658		*Closed*. From 1986 I 14 to 1986 III 23.
Van Inlet	British Columbia, Canada	VIB	53 15 08N	132 32 26W	1008		From 1985 IX.
Vannovskaya	Turkmeniya, CIS	VAN	37 57N	58 06E	250		
Vantage	Washington, USA	VTG	46 57 28.8N	119 59 14.4W	208		From 1970 VII.
Vanua Lava	Vanuatu (New Hebrides)	VLN	13 53 12S	167 32 30E	18		From 1975 XI 20.
Varanasi	Uttar Pradesh, India	VAR	25 18N	83 01E	88		
Vardenis	Armeniya, CIS	VRD	40 11N	45 43E			
Varese	Italy	VAI	45 52 00N	8 46 15E			
V. Nysäter	Sweden	VNY	59 24 14.4N	12 28 55.2E	229		*Closed*. Värmlands Nysäter. From 1980 I to 1991.
Varnville	South Carolina, USA	VRN	33 02 15N	80 56 30W	27		From 1979 X 15.
Varnville	South Carolina, USA	VSC	32 52 45N	81 03 00W			*Closed*. From 1974 V 20 to 1979 X 15.
Vassijaure	Sweden	VAS	68 25N	18 11E	469		*Closed*.
Vassouras	Rio de Janeiro, Brazil	VASS	22 23 58S	43 39 08W	448		From 1988.
Vatovaky	Madagascar	VTY	19 04 33.1S	47 32 19.1E	1423		From 1973.
Veano	Italy	VEA	44 53 21.5N	9 37 08.4E			
Veberöd	Sweden	VEB	55 35 56.4N	13 30 57.6E	116		*Closed*. From 1980 I to 1991.
Vedder Mt.	British Columbia, Canada	VDB	49 01 34N	122 06 10W	404		From 1983 I 04.
Velasquez	Guatemala	VLG	14 14 25.8N	91 00 27.6W	212		*Closed*. From 1980 VII to 1987 XI.
Veliaí	Greece	VLI	36 43 05.4N	22 56 13.2E	220		From 1989 VI.
Venator	Oregon, USA	VT−	43 06 49N	118 24 53W	1341		*Closed*. From 1962 I 16 to 1962 V 21.
Venice	Italy	VEN	45 26N	12 20E	1		*Closed*. Venezia.
Veracruz	Veracruz, México	CAMM	19 35 16.8N	96 27 36.0W	190		
Veracruz	Veracruz, México	FARM	19 37 33.6N	96 23 34.8W			
Veracruz	Veracruz, México	LIMM	19 40 49.2N	96 31 41.3W	200		
Veracruz	Veracruz, México	LVMM	19 36 05.2N	96 23 43.8W	160		
Veracruz	Veracruz, México	MANM	19 35 24N	96 25 00W	2		
Veracruz	Veracruz, México	VCM	19 12 02N	96 08 16W	3		
Veracruz	Nicaragua	VER	12 05 22.8N	86 10 16.2W	140		*Closed*. From 1977 to 1983.
Veracruz	Baja California, México	VEX	32 21 40.2N	115 06 19.2W			*Closed*. From 1981 X 21 to 1987 IV 10.
Verdi Peak	California, USA	VPK	39 28 29.0N	120 02 14.4W	2469		
Vermont		BUR	*See* Burlington				
Vern	Nevada, USA	NYV	37 06 46.2N	115 59 24.0W	1442		*Closed*. From 1971 I to 1973 I.
Vernal	Utah, USA	VLU	40 26 47N	109 30 53W	1605		
Vernal	Utah, USA	VN−	40 30 31N	109 34 45W	1768		*Closed*. From 1961 X 20 to 1962 VI 01.
Vernal Corners	New York, USA	VCS	42 51 28.2N	78 11 58.8W	488		
Verwoerd Dam		HVD	*See* H. Verwoerd Dam				
Vesuviano	Italy	OVO OVO	40 49 36N	14 23 52E	606		*OV1* Osservatorio Vesuviano Formerly OV1. From 1974 XII.
Vezirköprü	Turkey	VEZ	41 07 49.8N	35 27 45.7E	387		From 1976 IX.
Vianos	Spain	EVIA	38 38 19N	2 30 09W	1110		Correction to coordinates 1987. From 1985 XI.
Victoria	Romania	VCT	45 43 30.0N	24 42 03.6E	565		From 1989 IV.
Victoria	British Columbia, Canada	VIC	48 31 10N	123 24 55W	197		*Closed*. From 1898 to 1978 III 29.
Victorville	California, USA	VTV	34 34 01.2N	117 20 00.0W	847		From 1993 IV 16.
Vielha	Spain	VIH	42 37 43.8N	0 46 12.0E	1700		Viella. From 1986.
Viella		VIH	*See* Vielha				
Vienna	Austria	VIE	48 14 54N	16 21 42E	198		Wien−Hohe Warte.
Vienna	Austria	VKA	48 15 54N	16 19 06E	400		Wien−Kobenzl.
Vieques	Puerto Rico	VQS	18 09N	65 27W			*Closed*. Puerto Rico. From 1903 IX to 1924 XII.
Viey	Midi-Pyrénées, France	VIEF	42 53 01.2N	0 01 25.2E	1000		
Vík	Iceland	VIK	63 25 18N	19 06 00W	19		*Closed*.
Vila Bisbo	Portugal	PFVI	37 07 58.1N	8 49 36.5W	189		From 1996 I.
Vila Franca	Azores	VIF	37 44 41.4N	25 26 22.9W	647		From 1981 I 01.
Vila Real	Portugal	PVRL	41 16 32.2N	7 42 58.0W	660		From 1995 VI.
Villacollemandina	Italy	VLC	44 09 33.8N	10 23 11.0E	555		
Villa de García	Nuevo León, México	VNM	25 50 36N	100 35 39W			From 1989 XII.
Villa di Villa	Italy	VVI	45 58 58.4N	12 25 25.0E	515		From 1987 VI 10.
Villa El Salvador	Peru	PP09	12 12 48S	76 56 12W	100		
Villa Florida	Paraguay	CPUP	26 19 50S	57 19 45W	5		From 1994 VII 21.
Villa Grajales	Puebla, México	VGM	19 15N	97 47W			*Closed*.
Villa Marinero	Oaxaca, México	VMO	15 51 04.2N	97 03 49.8W	3		
Villa Mercy	Maryland, USA	VIL	39 01 15.3N	77 11 19.3W			*Closed*.
Villa Park Dam	California, USA	VPD	33 48 57.6N	117 45 43.8W	183		From 1971 VI 07.
Villefranche	Languedoc-Rousillon, France	VDCF	42 35 27N	2 21 56E	600		Villefranche−de−Conflent. From 1989 I.
Ville Marie	Quebec, Canada	VMC	47 19N	79 27W			*Closed*.
Villemus	Provence-Côte d'Azur, France	VILF	43 51 09.0N	5 42 55.1E	770		
Villiers−Adam	Île-de-France, France	VDM	49 04 27.6N	2 13 54.6E	70		*NE07* NE07. From 1983 XI.
Vimmerby	Sweden	VIM	57 47 16.8N	16 00 07.2E	151		From 1980 I.
Vinca	Italy	VINC	44 08 28.2N	10 09 07.8E	710		From 1994 IV.
Vinchina	La Pampa, Argentina	VCA	28 44 27S	68 12 06W	1500		
Vineyard	California, USA	BVYM BVYM	36 44 57.6N	121 24 48.0W	585		Correction to coordinates Feb 1993. From 1975 XII 11.
Vineyard	California, USA	VIN	36 45 00N	121 23 06W	330		*Closed*. From 1959 II 03 to 1966 III 09.
Vineyard	California, USA	VIT VIT	36 45 00N	121 23 18W	360		*Closed*. Vineyard−Telemeter. From 1961 V 31 to 1965 II 10.
Vinh	Vietnam	VIV	18 32 51N	105 42 00E	5		
Vinica−Bojanci	Slovenia	VBY	45 30 16.2N	15 15 23.8E	259		From 1986 X 30.
Vinton	Iowa, USA	VO−	42 13 30N	92 07 37W	274		*Closed*. From 1964 IX 01 to 1965 III 22.
Virginia	Orange Free State, South Africa	VIR VIR	28 04 48S	26 51 48E	1341		*Closed*.
Virginia Beach	Virginia, USA	VBV	36 47 07.1N	76 06 28.8W	5		
Virginia Peak	Nevada, USA	VIP	39 45 14.4N	119 27 38.9W	2499		
Visale	Solomon Islands	VSG	9 15 10S	159 42 45E	330		From 1983 XII 22.
Viseu	Portugal	PVIS	40 42 56.5N	7 53 40.2W	720		From 1995 VI.
Vishakhapatnam	Andhra Pradesh, India	VIS VIS	17 43 15N	83 19 42E	82		Andra, Waltair Co−ordinates corrected Feb 1998. From 1962.
Vishakhapatnam	Andhra Pradesh, India	VISK	17 43 15.6N	83 19 43.2E	30		
Vista	California, USA	VSTC	33 09 24.1N	117 13 54.1W	112		PAS code VST. From 1975 I.
Vista de Mar	Costa Rica	VCR	10 07 30.0N	85 37 52.2W	960		Correction to longitude 1991.
Vista Grande	California, USA	VG2	33 49 54.6N	116 48 33.0W	0		From 1975 XII.
Vista Hermosa	Oaxaca, México	VHM	17 10 36N	96 44 43W	1829		*Closed*.
Vista Hermosa	Oaxaca, México	VHO	17 04 20.3N	96 43 59.5W	1685		Correction to position May 1994, Mar 1999.
Viti Levu	Fiji	NMF	18 00 21S	178 09 36E	295		
Vitosha	Bulgaria	VTS	42 35 29.8N	23 12 29.9E	1490		Position corrected Oct 1988.
Vittel	Lorraine, France	VITF	48 13 02N	5 59 04E	460		Correction to position Jun 1991.
Vivian	Oklahoma, USA	VVO	35 20 12.4N	95 44 14.5W	224		From 1985 IX 11.
Vizianagram	Andhra Pradesh, India	VIZ	18 07N	83 27E			*Closed*.
Vladivostok	Primorskiy Kray, RF, CIS	VLA	43 07 12N	131 53 36E	75		
Vlora	Albania	VLO	40 28 07.0N	19 29 43.8E	80		
Vodivohitra	Madagascar	VDA	19 03 40S	46 57 11E	1472		From 1994 XII 18.
Vogel Lake	Alaska and Aleutians, USA	VOGL	60 59 45.9N	150 25 50.6W	38		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Voghera	Italy	VG1	44 55 45N	9 05 45E			*Closed*. From 1980 VI 22.
Vojsko	Slovenia	VOY	46 01 54.1N	13 53 36.6E	1073		From 1984 XI.
Volcán Arenal	Costa Rica	VACR	10 28 22.8N	84 40 39.0W	360		From 1986 IV 29.
Volcan Chico	Galápagos	VCHI	0 47 30.0S	91 04 00.0W	1490		
Volcan Irazu	Costa Rica	ICR	9 58 51.0N	83 49 49.8W	3306		
Volcán Irazú	Costa Rica	IRZ	9 58 27.9N	83 51 56.6W	3380		*Closed*. From 1984 III 17 to 1985.
Volcán Irazú 2	Costa Rica	IRZ2	9 58 07.8N	83 53 51.0W	2975		From 1985.
Volcano Peak E	California, USA	VPEM	35 56 58.2N	117 49 00.1W	1463		*WVPM* From 1975 IX 26.
Volcán Poás	Costa Rica	VPS	10 11 14.6N	84 14 18.6W	2570		*Closed*. To 1980 XI.
Volcán Poás 2	Costa Rica	VPS2	10 11 24.6N	84 14 07.2W	2570		From 1980 XI.
Volcán Puracé	Colombia	PURC	2 19 19.8N	76 21 42.0W	3950		From 1987.
Volcán Rincón	Costa Rica	RIN RIN	10 46 24.6N	85 21 30.0W	775		*Closed*. Volcán Rincon de la Vieja. From 1984 XI to 1987 V 20.
Volcán Rincón	Costa Rica	RIN2 RIN2	10 49 06.6N	85 20 58.2W	1400		*Closed*. Volcán Rincón de la Vieja 2. From 1987 V 20 to 1988 VIII 26.
Volcán Rincón	Costa Rica	RIN3	10 47 27.0N	85 22 43.2W	900		Volcán Rincón de la Vieja 3. From 1988 VIII 26.
Volcán San Miguel		VSM	*See* San Miguel				
Volcán San Salvador		VSS	*See* San Salvador				
Volcán Turrialba	Costa Rica	VTU	10 01 15.6N	83 45 30.0W	3329		
Volcán Villarrica	Cautin, Chile	VNV	39 22 09S	71 57 10W	1200		From 1983.
Voronezh	Voronezhskaya Obl., RF, CIS	VOR	51 43 52N	39 12 00E	161		From 1997 I 01.
Vouglans	Franche Comté, France	VOU	46 23 56N	5 39 03E	495		From 1967 III.
Vranov	Czech Republic	VRAC	49 18 32.4N	16 35 42.0E	475		From 1989 XII.
Vrîncioaia	Romania	VRI	45 52 12N	26 43 30E	400		From 1967.
Vulcan	New Britain	VUL	4 16 58.2S	152 08 44.6E	332		Taviliu. From 1967.
Vulcano Piano	Sicily, Italy	VPL	38 22 44N	14 59 01E	410		
Vunidawa	Fiji	VDW	17 50 01S	178 15 10E	409		From 1979 X.
Vunikawai	Fiji	VUN	18 02 24S	178 27 48E	178		From 1976 XII.
Vyborg	Leningradskaya Obl., RF, CIS	VYB	60 43N	28 48E	25		*Closed*.
Vyrnwy	Wales, UK	WVR	52 47 50.6N	3 36 18.4W	580		From 1985.
Wabag	Papua New Guinea	WAB	5 29 41.0S	143 43 42.1E	2032		From 1968.
Wachi	Kyōto, Honshū, Japan	JWT	35 16 57.0N	135 24 05.4E	172		
Wadesville	Indiana, USA	WDIN	38 05 27N	87 42 57W	164		*Closed*. To 1993 VI.
Wadia Inst.	Uttar Pradesh, India	WIHG	30 19 42.6N	78 00 46.8E	619		Wadia Institute−Dehra Dun. From 1985 XI 01.
Wagin	Western Australia, Australia	WA2	33 16 36S	117 20 12E	300		Mobile station. From 1973 VI 09.
Wahaula	Hawaii, Hawaiian Islands	WHA	19 19 54.0N	155 02 55.2W	29		
Wahluke	Washington, USA	WAH	46 45 07.2N	119 34 40.8W	231		From 1970 VII.
Wahluke Slope	Washington, USA	WAH2	46 45 24.2N	119 33 45.5W	230		
Wahoo	Nebraska, USA	WHNE	41 14 10.3N	96 39 09.0W	381		
Wah Wah Mts	Utah, USA	WW−	38 30 50N	113 35 20W	1829		*Closed*. From 1963 IV 16 to 1963 VII 15.
Waikii	Hawaii, Hawaiian Islands	WKH	19 51 34.8N	155 39 36.0W	1433		
Waimanalo Ridge	Hawaii, Hawaiian Islands	WMR	21 19 13.2N	157 40 56.4W	200		
Waimangu	North Island, New Zealand	WGZ	38 17 17S	176 23 13E	440		*Closed*. From 1980 VIII 20 to 1983 XII 15.
Waingapu	Sumba, Indonesia	WSI	9 40 37S	120 17 34E	400		Correction to coordinates May 1992.
Wainui Dam	North Island, New Zealand	WDW	41 16 07S	174 59 37E	130		*Closed*. To 1992 VII 28.
Waipapa Point	South Island, New Zealand	WPZ	46 39 37S	168 50 59E	4		*Closed*. From 1966 XI to 1976 IX 20.
Waipu Caves	North Island, New Zealand	WCZ	35 56 28S	174 20 40E	140		From 1990 X 13.
Wairakei	North Island, New Zealand	WNZ	38 37 53S	176 06 10E	350		*Closed*. From 1962 VIII to 1985 IX 27.
Wairiri	South Island, New Zealand	WAI	43 30S	171 52E	335		*Closed*. Glentunnel. From 1947 III to 1948 III.
Waitaha Valley	South Island, New Zealand	WVZ	43 04 35S	170 44 10E	75		From 1990 II 21.
Wa jima	Ishikawa, Honshū, Japan	WAJ	37 23 24N	136 53 54E	7		Wazima.
Wakamiya	Kōchi, Shikoku, Japan	WMY	33 38 31.7N	133 40 30.2E	230		*Closed*. From 1967 IV 01.
Wakarara	North Island, New Zealand	WAHZ	39 41 57S	176 21 19E	657		From 1987 III.
Wakaura	Wakayama, Honshū, Japan	WKU WKU	34 11 16.5N	135 10 22.7E	10		*Closed*. Wakayama ERI. From 1953 X to 1978 VIII 26.
Wakayama	Wakayama, Honshū, Japan	WKY	34 13 36N	135 10 00E	14		
Wakayama 2	Wakayama, Honshū, Japan	WKYJ	34 13 12N	135 35 36E	695		
Wakayama ERI		WKU	*See* Wakaura				
Wake	Wake Island	WKE	19 18 54N	166 37 36E	5		*Closed*. From 1956 to 1969.
Wake Island	Wake Island	WAKE	19 16 59.9N	166 39 13.0E	0		
Wakkake−Misaki	Sōya, Hokkaidō, Japan	JWK	45 25 00.6N	141 40 23.4E	90		*Closed*.
Wakkanai	Sōya, Hokkaidō, Japan	WAK	45 25 00N	141 40 24E	90		
Wakkanai	Sōya, Hokkaidō, Japan	WAKJ	45 24 48N	141 41 00E	11		
Walderalm	Austria	WATA	47 20 08.7N	11 34 34.7E	1492		From 1989 X.
Waldron Ledge	Hawaii, Hawaiian Islands	WLG	19 25 29.4N	155 15 41.4W	1067		From 1971 IX.
Walferdange	Luxembourg	WLF	49 39 52.6N	6 09 09.4E	295		Coordinates corrected Sept 1998.
Walker	Nevada, USA	WAKR	38 30 15.8N	119 26 13.9W	1890		
Walker Mountain	Oregon, USA	VWMM	43 18 18N	121 42 57W	2158		
Walker Mountain	Virginia, USA	WMV	37 06 30.6N	80 58 13.8W	1157		
Walker Pass	California, USA	WWPM	35 44 07.8N	118 05 13.2W	1151		MNLO code WWP.
Walker Ridge	California, USA	GWKM	39 03 07.2N	122 29 27.6W	841		MNLO code GWK.
Walker Ridge	California, USA	WKC	40 23 36N	124 17 18W	225		*Closed*. From 1973 to 1980 XI 05.
Walker Ridge	California, USA	WKC2	40 23 21N	124 17 44W	226		From 1980 XI 05.
Wallace	Idaho, USA	WAL	47 27 36N	115 57 54W			
Wallace Dam	Georgia, USA	WDG	33 20 38.4N	83 10 30.7W	177		From 1978 II.
Wallila Gap	Washington, USA	WGW	46 02 40.8N	118 55 57.6W	162		From 1971 X.
Wallula Gap	Washington, USA	WG2	46 01 50.2N	118 51 20.0W	511		From 1987 IV.
Wallula Gap	Washington, USA	WG3	46 01 43N	118 51 24W	480		From 1990 I.
Walnut Grove	Arkansas, USA	WGAR	35 51 10.8N	90 11 27.6W	72		*Closed*. To 1993 VI.
Walnut Ridge	Arkansas, USA	WR−	36 03 30N	91 13 19W	122		*Closed*. From 1961 XII 05 to 1961 XII 16.
Wambrook	New South Wales, Australia	WAM	36 11 34S	148 53 00E	200		From 1957.
Wanagama	Jawa, Indonesia	UGM	7 54 45.0S	110 31 23.2E	350		
Wanliss Street	New Britain	WAN	4 11 39.6S	152 10 32.5E	25		From 1967.
Wann	Nebraska, USA	WNN	41 11 23N	96 15 58W	387		
Wanoga Butte	Oregon, USA	VWBM	43 54 49.2N	121 33 16.2W	1736		MNLO code VWB.
Warangal	Andhra Pradesh, India	WGL	17 59 06N	79 31 48E	280		From 1975 I 01.
Warburton	Western Australia, Australia	WARB	26 11 01.7S	126 38 34.8E	460		*Closed*. From 1987 VI 28 to 1998 XII.
Warburton	Western Australia, Australia	WBN WBN	26 08 24.0S	126 34 40.8E	457		*Closed*. Moved to WARB. From 1978 VI 27 to 1987 VI 28.
Wardell	Missouri, USA	WADM	36 21 58.0N	89 47 45.2W	78		
Warden	Washington, USA	WRD	46 58 11.4N	119 08 36.0W	379		From 1970 VII.
Ward Pound Rge	New York, USA	WPR	41 15 16.8N	73 35 08.4W	152		*Closed*. From 1971 III to 1981 XII.
Warideh	Syria	WRDH	35 30 28.5N	36 24 43.1E	730		From 1995 IV.
Waris	Papua New Guinea	WAA	4 07S	145 06E	48		
Warland Creek	Montana, USA	WCM	48 27 29.9N	115 06 10.1W	1704		*Closed*. From 1971 II to 1974 VII 11.
Warmifontaine	Belgium	WRM	49 50 00N	5 22 50E	242		*Closed*.
Warm Springs	Nevada, USA	WSN	38 23 00N	116 11 30W	1768		*Closed*. From 1965 to 1970.
Warm Springs	California, USA	WSP	34 35 46.2N	118 34 43.2W	1219		
Warm Springs	Nevada, USA	WSR WSR	38 11 29N	116 23 56W	1890		*Closed*. Warm Springs Repeater. From 1965 to 1970.
Warramunga Ar.	Northern Territory, Australia	WB0	19 46 01.7S	134 23 33.9E	392		Correction to coordinates 1994.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Warramunga Ar.	Northern Territory, Australia	WB1	19 57 34.3S	134 20 46.8E	422		Correction to coordinates 1994.
Warramunga Ar.	Northern Territory, Australia	WB2	19 56 34.1S	134 21 03.6E	425		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WB3	19 55 23.0S	134 21 19.3E	415		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WB4	19 54 12.5S	134 21 32.6E	409		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WB5	19 52 41.5S	134 21 58.0E	396		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WB6	19 51 18.0S	134 22 01.2E	396		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WB7	19 50 26.9S	134 22 45.4E	416		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WB8	19 48 50.2S	134 22 50.4E	389		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WB9	19 47 28.9S	134 23 01.8E	391		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WCB	19 56 04.9S	134 21 23.8E	366		WC5. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR0	19 57 35.0S	134 32 25.4E	375		Correction to coordinates 1994.
Warramunga Ar.	Northern Territory, Australia	WR1	19 56 33.5S	134 20 21.8E	419		Correction to coordinates 1994.
Warramunga Ar.	Northern Territory, Australia	WR2	19 56 48.6S	134 21 43.9E	415		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR3	19 56 54.5S	134 23 12.4E	401		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR4	19 57 01.1S	134 24 23.4E	400		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR5	19 57 07.5S	134 25 48.5E	395		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR6	19 57 15.5S	134 27 13.7E	382		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR7	19 57 18.7S	134 28 33.3E	382		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR8	19 57 20.4S	134 30 00.5E	400		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WR9	19 57 27.8S	134 30 53.4E	383		Correction to coordinates 1994. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WRA WRA	19 56 33.5S	134 20 21.8E	419		Warramunga Array Beam Reference Point. From 1965 X.
Warramunga Ar.	Northern Territory, Australia	WRB WRB	19 57 34.3S	134 20 46.8E	422		Blue 1 site position used. Correction to coordinates 1994. From 1965 X.
Warsak Dam	Pakistan	WRS	34 09N	71 24E	343		
Warsaw	Poland	WAR	52 14 30N	21 01 25E	110		Warszawa.
Wartburg	Tennessee, USA	WT−	36 06 35N	84 45 28W	427		*Closed*. From 1963 IV 12 to 1963 VII 31.
Wasel	Saudi Arabia	WASL	29 11 17N	34 54 22E			*Closed*. From 1993 VII.
Washington	District of Columbia, USA	NRL NRL	38 50N	77 05W			*Closed*. Naval Research Laboratory. From 1953 to 1972.
Washington	District of Columbia, USA	WAS	38 53 33N	77 01 59W	0		*Closed*. From 1909 to 1969.
Washington J.S.A.		GEO	*See* Georgetown				
Washington S. C.	Maryland, USA	WSC WSC	39 03 01.8N	77 07 25.2W	120		*Closed*. Washington Science Centre. From 1965 to 1972.
Washoe City	Nevada, USA	WCN	39 18 06.1N	119 45 22.7W	1709		Latitude corrected May 1997. From 1972 VIII 12.
Waterbury	Vermont, USA	VT1	44 19 53.8N	72 45 13.0W	125		
Waterton	Colorado, USA	WTC	39 30 51.6N	105 08 15.0W	1987		*Closed*. From 1973 I to 1976 XI 30.
Waterton Lakes	Alberta, Canada	WALA	49 03 31.0N	113 54 41.5W	1400		Correction to position 1993. From 1992 V 15.
Waterville	Maine, USA	WTR	44 38 54N	69 39 20W	79		Waterville−Colby College. From 1951 X.
Waterville	Washington, USA	WTV	47 41 55N	119 57 15W	900		
Waterville	New York, USA	WTVE	42 56 45.6N	75 19 37.8W	426		
Waterville	Maine, USA	WVL	44 33 53.3N	69 39 27.0W			Colby College.
Waterways	Alberta, Canada	WS−	56 39 34N	111 16 07W	366		*Closed*. From 1965 X 14 to 1965 XI 15.
Watheroo	Western Australia, Australia	WAT	30 19S	115 53E			*Closed*. From 1958 to 1959.
Watom Island	New Britain	EWT	4 06 54S	152 05 15E	30		
Watson	Oklahoma, USA	WA−	34 26 30N	94 29 28W	305		*Closed*. From 1962 X 17 to 1962 X 27.
Watson Lake	Yukon Territory, Canada	WL−	60 07 00N	128 45 52W	716		*Closed*. From 1965 X 16 to 1965 XI 15.
Wattenberg	Austria	WTTA	47 15 49.7N	11 38 10.7E	1764		From 1991 II 09.
Watts Point	British Columbia, Canada	WPB	49 39 25.2N	123 12 34.2W	273		From 1983 I 20.
Wau	Papua New Guinea	WAU	7 20 44.1S	146 42 59.4E	1083		Coordinates corrected Dec 1997. From 1996 V 09.
Waverly	Tennessee, USA	WVT	36 07 48.0N	87 49 48.0W	153		
Waxell Ridge	Alaska and Aleutians, USA	WAX	60 27 00.0N	142 51 06.1W	975		From 1975 VIII 22.
Waynesburg	Pennsylvania, USA	WAY	39 54 06N	80 11 06W	329		*Closed*. From 1956 VI to 1964.
Weather Obs.	Hawaii, Hawaiian Islands	WOB	19 32 18.6N	155 35 00.6W	3396		
Weaver Farm	England, UK	KWE	53 00 59.7N	1 50 36.6W	320		From 1988.
Wegel	New York, USA	WGLY	41 21 32N	73 53 58W	152		
Weija	Ghana	WEGH	5 35 36N	0 19 37W	180		From 1987.
Welcome	Ontario, Canada	WEO	44 01 07.2N	78 22 27.6W	149		From 1982 IV 30.
Welkom	Orange Free State, South Africa	WKM WKM	28 00 18S	26 45 42E	1340		
Wellesley Island	New York, USA	WLI	44 18 32.4N	76 00 35.4W	90		*Closed*. From 1974 VIII to 1976 VIII 16.
Wellington	North Island, New Zealand	WEL	41 17 10S	174 46 06E	122	WWSSN	From 1915.
Wellsville	Utah, USA	WVUT	41 36 36.6N	111 57 33.0W	1828		From 1979 VIII.
Welschbruch	Alsace, France	WLS	48 24 46N	7 21 13E	775		From 1963 to 1964 from 1967.
Wenas	Washington, USA	WNS	46 42 37N	120 34 30W	1000		
Wenatchee	Washington, USA	WEN	47 31 46.2N	120 11 39.0W	1061		
Wenatchee	Washington, USA	WNW	47 31 46.2N	120 11 39.0W	1061		From 1975 VI.
Wendo Genet	Ethiopia	WNDE	7 04 58.8N	38 37 48.0E	1920		
Wente Winery	California, USA	WENL	37 37 22.1N	121 45 25.9W	168		Wente Brothers Winery.
Werombi	New South Wales, Australia	WER	33 57 01.1S	150 34 48.9E	226		From 1959.
Wesleyville	Ontario, Canada	WLVO	43 55 24.2N	78 23 50.1W	83		From 1990 XI 07.
Wesser Bold	North Carolina, USA	WSSR	35 16 40.2N	83 34 40.8W	1390		From 1985 XI.
West Alisa	Egypt	AWAL	23 22 45N	32 34 57E			
West Ashley	South Carolina, USA	WSS	32 50 51.7N	80 16 19.2W	9		Correction to latitude Aug 1990. From 1983 I.
Westboro	Massachusetts, USA	WGMA	42 17 20.4N	71 35 06.0W	130		
West Bromwich	England, UK	WBE	52 32N	2 00W	156		*Closed*.
Westchester Coll.	New York, USA	WCC	41 03 15.0N	73 47 05.4W			Westchester Community College. From 1987 VI.
W. Traverse Mts	Utah, USA	WTU	40 27 17.4N	111 57 10.8W	1579		Western Traverse Mountains. From 1992 VI 09.
Westford	Massachusetts, USA	WFM	42 36 38N	71 29 26W	88		From 1976 V.
West Island	Cocos Islands	COCO	12 11 24.4S	96 50 05.6E	−69		
West Kalabsha	Egypt	AWKL	23 25 30.6N	32 26 49.2E			
West Kanaga	Alaska and Aleutians, USA	AK1	51 39 54N	177 38 30W	61		Formerly AT1. From 1976 X to 1992 II 01.
West Kanaga	Alaska and Aleutians, USA	AT1	51 39 54N	177 38 30W	61		*Closed*. From 1975 to 1976 X.
Westland	California, USA	PWMM	36 25 58.2N	120 12 39.6W	72		Westland Maintenance Station.
West Mesa	New Mexico, USA	WMA	35 04 19.8N	106 51 22.8W	1804		
West Monroe	New York, USA	WMNY	43 21 21.6N	76 01 52.8W	158		
Westmoreland	New York, USA	WEST	43 09 48.6N	75 28 48.0W	167		
West Mountain	Utah, USA	WMU	40 05 18N	111 49 21W	2053		*Closed*. From 1973 XII to 1981 VIII.
West Mountain	Utah, USA	WMUT	40 04 36N	111 50 00W	1981		From 1981 VII.
Weston	Massachusetts, USA	WES	42 23 04.9N	71 19 19.5W	60	WWSSN	From 1930 XII.
West Park	New York, USA	WPNY	41 48 10.8N	73 58 14.4W	76		From 1978 V 22 to 1986 IX.
Westphalia		MWG	*See* Münster				
West Pit	Hawaii, Hawaiian Islands	WPH	19 24 42N	155 17 30W	1115		*Closed*. From 1962 X 31.
West Portland	Oregon, USA	WPO	45 34 24.0N	122 47 22.4W	334		From 1986 X.
Westray	Orkney Islands, UK	OWE	59 19 04.8N	3 01 44W	87		From 1995 IX 21.
West Salem	Illinois, USA	WSIL	38 29 53N	88 04 30W	15		*Closed*. To 1992 X.
West Thumb	Wyoming, USA	WTW	44 24 52.2N	110 34 16.2W	2365		From 1972 X.
West Valley	New York, USA	WVLY	42 28 15N	78 34 06W	600		From 1977 XI 03.
West Yellowstone	Montana, USA	WYM					*Closed*.
West Yellowstone	Montana, USA	YWY	44 36 21.0N	111 05 48.5W	2292		From 1974 X.
Wether Hill Road	South Island, New Zealand	WHZ	45 53 41S	167 56 51E	320		From 1993 III.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Wettzell	Bayern, Germany	WET	49 08 38.2N	12 52 41.7E	613		From 1975 I.
Wewak	Papua New Guinea	WEK	3 35 25S	143 41 15E	10		*Closed*. From 1968 X 24 to 1969 II.
Wewak	Papua New Guinea	WEW WEW	3 33 16S	143 37 33E	10		Moved slightly 1985:02. From 1968 IX 11 to 1968 X 16 from 1985 II.
Wewak	Papua New Guinea	WWW	3 35 09S	143 38 25E	100		*Closed*. From 1982 IX 29.
Wewakk	Papua New Guinea	WWKK	3 37 22.8S	143 37 24.6E	442		From 1992 V 26.
Whakatane	North Island, New Zealand	WTZ	37 59 05S	176 59 18E	43		*Closed*. From 1971 VI 02 to 1990 XI 21.
Whakatau	North Island, New Zealand	WHH	38 53 04.2S	176 29 42.0E	921		*Closed*. From 1987 III 01.
Whale Back Mt.	Oregon, USA	WMOR	42 54 10N	122 35 31W	1860		From 1991 IX.
Whangarei		ONE	*See* Onerahi				
Whinburgh	England, UK	AWH	52 37 48N	0 57 04E	60		From 1980 V.
Whinny Nab	England, UK	LWH	54 20 00.6N	0 40 17.0W	265		From 1991.
Whipple Mts 2	California, USA	WH2	34 18 52.2N	114 24 33.0W	1245		From 1974 X.
Whiskey Butte	Idaho, USA	WBI	46 34 57.2N	115 58 43.5W	1341		*Closed*. From 1971 X to 1976 I 14.
Whiskeytown	California, USA	WDC	40 34 48N	122 32 23W	300		Whiskeytown Dam. From 1973.
Whistler	British Columbia, Canada	WHB	50 07 40.8N	122 57 19.2W	695		
White Bluff	Washington, USA	WBL	46 35 54N	119 27 33W			
Whiteface	New Hampshire, USA	WNH	43 52 06N	71 23 59W	220		From 1976 I.
Whitehall	North Island, New Zealand	WLZ WLZ	37 50 28S	175 35 16E	180		Correction to coordinates Aug 1997. From 1989 X 30.
Whitehorse	Yukon Territory, Canada	WH−	60 44 03N	135 08 57W	762		*Closed*. From 1965 X 21 to 1965 XI 15.
Whitehorse	Yukon Territory, Canada	WH2*	60 41 41N	134 58 02W	853		From 1966 XI 24.
Whitehorse	Yukon Territory, Canada	WHC	60 44 12N	135 05 54W	734		*Closed*. From 1971 IX 01 to 1993 VIII 24.
Whitehorse	Yukon Territory, Canada	WHY	60 39 34.9N	134 52 50.5W	1292		From 1993 VIII 27.
White Island	North Island, New Zealand	WIZ	37 31 42S	177 11 21E	40		From 1976 XII.
White Oak Mt.	Tennessee, USA	WMTN	35 14 52.8N	84 58 23.4W	378		From 1985 VII 24.
White Pass	Washington, USA	WPW	46 41 53.4N	121 32 48.0W	1250		
White Pine	Michigan, USA	WPM	46 45 05.5N	89 33 17.7W	193		From 1973.
White River Gl.	Alaska and Aleutians, USA	WRG	60 02 16.2N	142 01 54.0W	550		From 1974 IX 10.
White Rock	British Columbia, Canada	WKB	49 02 37.2N	122 49 05.4W	110		
Whitewater	California, USA	WWR	33 59 30.6N	116 39 21.6W	702		From 1975 I.
Whiting Field	Florida, USA	WFF	30 42 30N	87 01 00W			*Closed*. Whiting Field−Milton. From 1949 to 1956.
Whitney	Hawaii, Hawaiian Islands	WHI	19 25 54N	155 15 42W	1210		*Closed*. Whitney Vault. From 1961 to 1963 II 01.
Wichita Mts	Oklahoma, USA	WMO	34 43 05.5N	98 35 20.7W	505		*Closed*.
Wichita Mts	Oklahoma, USA	WMOK	34 44 16.4N	98 46 51.6W	486		From 1992 IX 30.
Wien−Hohe Warte		VIE	*See* Vienna				
Wien−Kobenzl		VKA	*See* Vienna				
Wiest Lake	California, USA	WLK	33 03 04.8N	115 29 26.4W	−52		From 1973 IV 16.
Wildcat Mountain	Nevada, USA	WCT	36 46 47.4N	116 37 01.2W	930		From 1981 IV 08.
Wild Horse	Utah, USA	WHU	39 22 50N	112 10 12W	1993		*Closed*. From 1974 X to 1981 X.
Wild Horse Can	Utah, USA	WLD	38 27 37N	112 51 50W	1804		
Wild Horse Parks	Montana, USA	WHM	46 45 43.5N	113 10 52.4W	1792		*Closed*. From 1974 IX 06 to 1976 X 04.
Wild Horse Valley	Oregon, USA	WVOR	42 26 02.2N	118 38 12.2W	1344		From 1994 VI.
Wildlife	Utah, USA	WLJ	40 36 48.0N	111 20 37.8W	2088		From 1992 XI 04.
Wilkes	Wilkes Land, Antarctica	WIL	66 15 33S	110 31 38E	10		*Closed*. From 1957 to 1966 XII 23.
Wilkes Camp	Hawaii, Hawaiian Islands	WIH	19 28 09.0N	155 35 01.2W	4037		
Willalooka	South Australia, Australia	WKA	36 25 01.2S	140 19 15.6E	40		From 1979 III.
Williams	Arizona, USA	WM−	35 25 04N	112 12 54W	1920		*Closed*. From 1961 XII 12 to 1962 V 03.
Williams	Arizona, USA	WMZ	35 09 29N	112 19 13W	2018		From 1986 I 31.
Williamsburg	Ontario, Canada	WBO	45 00 01N	75 16 30W	85		From 1980 XII 09.
Williams Lake	British Columbia, Canada	WK−	52 10 43N	121 58 54W	975		*Closed*. From 1962 X 17 to 1962 X 27.
Williams Ranch	California, USA	WRC	35 17 54N	118 36 42W	430		*Closed*. From 1952 to 1953.
Williamstown	Massachusetts, USA	WLL	42 42 51N	73 12 40W	220		*Closed*.
Willow Creek	Utah, USA	WCU	38 57 52.8N	112 05 24.0W	2714		From 1978 II.
Willow Creek	Idaho, USA	WICI	44 10 30N	113 53 12W	2088		
Willow Mountain	Alaska and Aleutians, USA	WLM	61 46 25N	145 11 53W	988		*Closed*. From 1971 II 29 to 1971 VI 14.
Wilmington	North Carolina, USA	WNC	34 03 29N	78 14 46W	20		From 1976 V 03.
Wilmington	New York, USA	WNY	44 23 27.6N	73 51 34.2W	598		From 1971 X.
Wilson	Oklahoma, USA	WLO	34 03 53.2N	97 22 11.0W	284		Operated by TUL. From 1977 IV 25.
Wilson Butte	Washington, USA	WBW	48 01 04.2N	119 08 13.8W	826		From 1975 VI.
Wilson Creek	Kentucky, USA	WCK	36 56 02.4N	88 52 26.4W	137		From 1974 VII 19.
Wilson Peak	Idaho, USA	WPI	43 17 20N	116 45 00W			
Windham	New York, USA	WND	42 20 14.2N	74 09 09.0W	602		From 1976 X 08.
Windhoek	Namibia	WIN	22 34S	17 06E	1728	WWSSN	From 1959.
Windom	Minnesota, USA	WD−	44 06 58N	95 09 18W	381		*Closed*.
Windsor	Ontario, Canada	WNR	42 15 30N	83 06 20W	−122		*Closed*. From 1978 III 08 to 1979 IV 30.
Windy Craggy	British Columbia, Canada	WCBC	59 37 40.1N	137 42 57.6W	750		*Closed*. From 1988 VI 10 to 1990 VIII 06.
Winneba	Ghana	WIGH	5 21 49N	0 37 08W	64		From 1987.
Winnemucca	Nevada, USA	WI−	41 21 02N	117 27 30W	1524		*Closed*. From 1961 XII 10 to 1964 III 03.
Winnemucca	Nevada, USA	WMN	40 58 48N	117 55 12W	1524		*Closed*. From 1974 III to 1975 VII.
Winner	South Dakota, USA	WN− WN−	43 15 08N	100 11 46W	792		*Closed*. From 1961 XII to 1963 VI from 1964 VI to 1964 X from 1965 X to 1966 X.
Winslow	Arizona, USA	WO−	34 52 53N	110 37 15W	1585		*Closed*. From 1964 IV 01 to 1965 X 04.
Winterswijk	Netherlands	WTS	51 59 44N	6 48 36E	43		From 1976 VII.
Witteveen	Netherlands	WIT	52 48 48N	6 40 11E	17		*NE04* NE04. From 1982 VII.
Wittsburg Lake	Arkansas, USA	WLA	35 11 09.6N	90 42 57.6W	113		From 1979 VIII 02.
Witu Islands	New Britain	WITU	4 41 33S	149 29 21E	100		From 1983 XI 24.
Wivenhoe Hill 3	Queensland, Australia	WWHQ	27 22 12.7S	152 35 13.9E			From 1984 VII 12.
W Middle School	South Carolina, USA	WMS	33 25 33N	80 44 27W			West Middle School.
Wolfeboro	New Hampshire, USA	WBNH	43 36 14.4N	71 05 56.4W	200		
Wolverton	England, UK	WOL	51 18 45.8N	1 13 22.1W	156		
Wolverton North	England, UK	WON	51 19 39N	1 12 03W	104		
Wonder Ranch	California, USA	GWRM	39 12 25.8N	123 17 59.4W	658		MNLO code GWR.
Wongan Hills	Western Australia, Australia	WA1 WA1	30 54 35.4S	116 43 42.0E	260		*Closed*. Mobile station. From 1973 I 31 to 1973 V 19.
Wooded Island	Washington, USA	WIW	46 25 55.8N	119 17 17.4W	122		From 1970 VII.
Woodlark Island	D'Entrecasteaux Islands	WDIS	9 05 06S	152 43 08E	80		From 1983 XI 21.
Wood River Hill	Alaska and Aleutians, USA	WRH	64 28 16.8N	148 05 23.4W	314		
Woodside	California, USA	WDS	37 25 04.8N	122 16 19.8W	280		*JWSM**LT6* Los Trancos 6. From 1966 XII 21.
Woodstock	Maryland, USA	WOO	39 20 00N	76 52 30W			*Closed*.
Wood Valley	Hawaii, Hawaiian Islands	WOH	19 15 04.8N	155 30 07.2W	909		
Woody	California, USA	WDY	35 42 00N	118 50 36W	500		*Closed*. From 1952 VIII 05 to 1970 VIII 27.
Woody Point	Queensland, Australia	WPA	27 15 37.0S	153 15 20.6E	10		*Closed*.
Woolibar	Western Australia, Australia	WOOL	31 04 23S	121 40 41E	325		From 1994 VI.
Woomera	South Australia, Australia	WSA	31 08 42S	136 48 18E			
Worcester	Massachusetts, USA	WOR	42 16N	71 48W	203		*Closed*.
Workman Tunnel	New Mexico, USA	WTX	34 04 19.8N	106 56 45.0W	1555		
Work Ranch	California, USA	WKR	35 48 52.2N	120 30 40.2W	503		*PK2**PWKM* Parkfield Array 2.
Worthington Mts	Nevada, USA	WRN	37 58 54N	115 35 18W	1760		From 1979 VI 08.
Woss	British Columbia, Canada	WOSB	50 09 38.5N	126 34 13.4W	955		
Wright Ranch	California, USA	NWRM	38 27 25.2N	122 53 15.7W	50		From 1970 VIII 14.

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Wright's Hill	North Island, New Zealand	WHW	41 17 51S	174 44 17E	383		From 1975 IX 26 to 1980 III from 1983 II.
Wroclaw	Poland	BRE	51 04N	17 00E	125		*Closed*. Breslau Destroyed in World War 2.
Wu−chang		WHN	*See* Wuhan				
Wuhan	Hubei (Hupeh), China	WHN	30 32 37N	114 21 01E	26		*WUC* Wu−chang.
Wuhan	Hubei (Hupeh), China	WUH	30 31 36N	114 33 30E	50		Wu−han.
Wu−han		WUH	*See* Wuhan				
Wulai	Taiwan, China	TWU	24 52 39N	121 32 01E	330		From 1977 XI 08.
Wupatki	Arizona, USA	WUAZ	35 31 00.8N	111 22 26.0W	1592		
Wushi	Xinjiang Uygur Zizhiqu (Sinkiang Uighur), China	WUS WUS	41 12N	79 13E	1457		From 1988 X 21.
Wuwei	Gansu (Kansu), China	WUW	37 55 42N	102 38 18E			Wu−wei.
Wu−wei		WUW	*See* Wuwei				
Wyandotte	California, USA	OWAM	39 27 10.8N	121 29 12.5W	168		From 1975 VIII 05.
Wyandotte	California, USA	OWYM	39 27 10.8N	121 29 12.5W	168		
Wyandotte Cave	Indiana, USA	WCI	38 13 44N	86 17 37W	500		
Wyangala	New South Wales, Australia	WYA	33 55 37S	148 55 25E			*Closed*.
Wykoff	Minnesota, USA	WF−	43 48 05N	92 22 23W	381		*Closed*. From 1964 VIII 30 to 1964 XI 24.
Wynne	Arkansas, USA	WY−	35 36 44N	90 42 25W	122		*Closed*.
Wyoming Array	Wyoming, USA	WYO	42 46 40N	109 33 20W	2190		*WY0**Closed*. From 1977 VI 20.
Xi'an	Shaanxi (Shensi), China	SIA	34 14 54N	108 55 12E	395		*Closed*. Hsi−an.
Xi'an	Shaanxi (Shensi), China	XAN	34 02 22N	108 55 17E	630		*SPE* Hsi−an.
Xingó	Alagoas, Brazil	XIN	9 26 54S	37 50 11W	285		From 1991.
Xining	Qinghai (Chinghai), China	SNN	36 37 12N	101 46 54E			Sining.
Xoríchti	Greece	XOR	39 21 58N	23 11 31E	500		From 1996.
Yaak	Montana, USA	YKM	48 51 43.2N	115 42 42.0W	1509		From 1976 X 01.
Yadsworthy	England, UK	DYA	50 26 06.7N	3 55 51.2W	280		From 1982.
Yagi	Nara, Honshū, Japan	YAG	34 31N	135 48E	63		*Closed*. Kashiwara.
Yagishiri	Rumoi, Hokkaidō, Japan	JYG	44 25 36.6N	141 25 35.4E	35		
Yahtse	Alaska and Aleutians, USA	YAH	60 21 48N	141 44 42W	2135		From 1974 IX 05.
Yakak	Alaska and Aleutians, USA	AD5	51 37 44N	176 55 31W	152		*Closed*. From 1974 to 1992 II 01.
Yakataga	Alaska and Aleutians, USA	YKGM YKGM	60 04 12.0N	142 25 19.8W	46		From 1972 X 08 to 1974 IX 11 from 1976 VI 02 to 1978 VIII 08 from 1980 IX 22.
Yakima	Washington, USA	YA−	46 30 00N	119 55 12W	610		*Closed*. From 1963 I 29 to 1963 III 29.
Yakima	Washington, USA	YAKW	46 31 15.8N	120 31 45.2W	619		
Yaku jima		YKS	*See* Yaku shima				
Yakumo	Ō shima, Hokkaidō, Japan	JYM	42 12 04.2N	140 15 12.0E	170		
Yaku shima	Ryū kyū Islands, Japan	YKS	30 27 00N	130 29 48E	15		*Closed*. Yaku jima.
Yakutat	Alaska and Aleutians, USA	YKT	59 22 07N	138 52 38W	372		*Closed*. From 1972 X 06 to 1974 IX 30.
Yakutat	Alaska and Aleutians, USA	YKU YKU	59 33 11.0N	139 43 42.9W	20		Correction to coordinates from Apr 1988. From 1978 V 01.
Yakutsk	Yakutskaya ASSR, RF, CIS	YAK	62 01N	129 43E	125		Yakoutsk.
Yaldymych	Tadzhikistan, CIS	YAT	39 04N	70 27E			*Closed*. Yalmich.
Yale		NHC	*See* New Haven				
Yale	Connecticut, USA	YLE	41 18 54.0N	72 56 11.4W	5		
Yallahs	Jamaica	YHJ	17 53 31.2N	76 29 34.8W	300		
Yalmich		YAT	*See* Yaldymych				
Yalova	Turkey	YLV	40 34 00.1N	29 22 22.0E	829		From 1982.
Yalta	Ukraina, CIS	YAL	44 29 15N	34 09 17E	24		
Yamagata	Yamagata, Honshū, Japan	YAM	38 15 12N	140 20 54E	153		
Yamagata	Yamagata, Honshū, Japan	YAMJ	38 10 24N	140 02 12E	180		Yamagata outpost. From 1978.
Yamanlar	Turkey	YAMN	38 33 11.0N	27 09 27.0E	997		From 1996 IV.
Yambol	Bulgaria	JMB	42 28 00.1N	26 34 59.9E	216		Jambol. From 1983 VIII 01.
Yamizo	Tochigi, Honshū, Japan	YMZ	36 55 26.8N	140 14 52.4E	500		*YMZU* YMZU. From 1976VI 18.
Yana	Ecuador	YANA	0 07 00.0S	78 34 21.0W	3780		From 1988 IX 27.
Yanaizu	Fukushima, Honshū, Japan	JFY	37 24 24.6N	139 42 17.4E	420		
Yangoru	Papua New Guinea	YAN	3 39 30S	143 17 30E	219		
Yaongyimsen	Assam, India	YYI	26 34N	94 41E	707		From 1979.
Yaounde	Cameroon	YND	3 52 12N	11 27 36E	750		From 1982 II to 1986 IV 23.
Yaqui Meadows	California, USA	YAQ	33 10 04.8N	116 21 00.0W	441		
Yar	Cuba	YAR	20 12 00.0N	76 13 12.0W			
Yasaka	Kyō to, Honshū, Japan	JKY	35 37 42N	135 06 12E	260		
Yasato	Ibaraki, Honshū, Japan	JYT	36 13 39.6N	140 11 38.4E	31		
Yasawairara	Fiji	YSA	16 41 52.8S	177 34 39.7E	50		From 1984 IX 22.
Yasuok	Nagano, Honshū, Japan	JNY	35 21 30N	137 51 42E	800		
Yattir	Israel	YTIR	31 21 00N	35 07 12E	900		
Yautepec	Morelos, México	YAIG	18 51 43.2N	99 04 01.2W	1340		
Yavi	Jujuy, Argentina	YJA	22 10 33.7S	65 30 51.3W	3589		Coordinates corrected Nov 1997.
Yeguas Mountain	California, USA	YEG	35 26 10.7N	119 57 33.5W	939		
Yekaterinberg		SVE	*See* Sverdlovsk				
Yellow Cr. Bluff	Alaska and Aleutians, USA	YCB	56 38 54N	158 40 54W	320		Yellow Creek Bluff. From 1974.
Yellowknife	Northwest Territories, Canada	RSNT	62 28 47N	114 35 30W	50		*Closed*. From 1982 to 1987.
Yellowknife	Northwest Territories, Canada	YKC	62 28 42N	114 28 24W	198		From 1964 VII 15.
Yellowknife Ar.	Northwest Territories, Canada	YKA YKA	62 29 35.6N	114 36 19.0W	197		Yellowknife Array Beam Reference Point. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB0	62 36 21.4N	114 36 18.1W	222		Yellowknife Array Site B0. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB1	62 24 08.6N	114 36 19.6W	172		Yellowknife Array Site B1. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB2	62 25 29.2N	114 36 19.5W	180		Yellowknife Array Site B2. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB3	62 26 55.0N	114 36 18.7W	188		Yellowknife Array Site B3. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB4	62 28 15.9N	114 36 17.8W	193		Yellowknife Array Site B4. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB5 YKB5	62 29 35.6N	114 36 19.1W	197		*YKR8* Yellowknife Array Site B5 and R8. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB6	62 30 59.5N	114 36 18.0W	203		Yellowknife Array Site B6. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB7	62 32 20.4N	114 36 19.0W	204		Yellowknife Array Site B7. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB8	62 33 41.6N	114 36 16.9W	198		Yellowknife Array Site B8. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKB9	62 34 58.6N	114 36 13.9W	213		Yellowknife Array Site B9. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR0	62 29 35.2N	114 30 30.8W	205		*Closed*. From 1962 to 1976 V.
Yellowknife Ar.	Northwest Territories, Canada	YKR1	62 29 33.8N	114 56 44.1W	170		Yellowknife Array Site R1. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR2	62 29 34.0N	114 53 47.1W	175		Yellowknife Array Site R2. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR3	62 29 34.7N	114 50 51.8W	177		Yellowknife Array Site R3. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR4	62 29 33.9N	114 47 58.2W	173		Yellowknife Array Site R4. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR5	62 29 35.8N	114 44 59.8W	183		Yellowknife Array Site R5. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR6	62 29 36.0N	114 42 04.9W	192		Yellowknife Array Site R6. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR7	62 29 36.1N	114 39 13.2W	199		Yellowknife Array Site R7. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKR9	62 29 35.6N	114 33 20.7W	201		Yellowknife Array Site R9. From 1962.
Yellowknife Ar.	Northwest Territories, Canada	YKW1	62 29 35.5N	114 30 31.0W	198		
Yellowknife Ar.	Northwest Territories, Canada	YKW2	62 25 12N	114 36 00W	200		Yellowknife Array Site W2.
Yellowknife Ar.	Northwest Territories, Canada	YKW3	62 33 38.9N	114 36 59.0W	198		Yellowknife Array Site W3.
Yellowknife Ar.	Northwest Territories, Canada	YKW4	62 29 24N	114 44 24W	200		Yellowknife Array Site W4.
Yellow Rock	Washington, USA	YEL	46 12 35N	122 11 16W	1750		
Yel'tsovka	Altayskiy Kray, RF, CIS	ELT	53 15N	86 16E			Eltsovka.
Yerba Buena Is.	California, USA	CYBM	37 48 40.8N	122 21 39.0W	24		

Station Name	Location	Code	Geographical Co-ordinates φ:° ' "	λ:° ' "	Altitude m	Network	Remarks
Yerba Buena Is	California, USA	YBIB	37 48 51.4N	122 21 29.3W	−57		
Yerevan	Armeniya, CIS	ERE	40 11N	44 30E	990		Erevan.
Yerkesik	Turkey	YER	37 08 05N	28 16 58E	730		From 1974 VII.
Yinchuan	Ningxia (Ningsia-Hui), China	YNC	38 28 30N	106 16 12E			Yin−ch'uan.
Yin−ch'uan		YNC	*See* Yinchuan				
Yingkou	Liaoning, China	YIN	40 40N	122 14E	2		*Closed*. Ying−k'ou. From 1934 to 1937.
Ying−k'ou		YIN	*See* Yingkou				
Ylan, Giran		ILA	*See* Ilan				
Ylistaro	Finland	VAF	63 02 31.9N	22 40 17.4E	55		From 1989 VI 06.
YMCA Camp	Montana, USA	YCM	46 31 32.1N	112 23 39.1W	1597		*Closed*. From 1974 VIII 06 to 1976 X 04.
YMZU		YMZ	*See* Yamizo				
Yokohama	Kanagawa, Honshū, Japan	YOK	35 26 12N	139 39 24E	38		
Yokosk	Kanagawa, Honshū, Japan	JYO	35 13 25.8N	139 39 55.2E	80		
Yokosuka	Kanagawa, Honshū, Japan	YSK	35 19N	139 39E			*Closed*.
Yo Moklole	Irian Jaya (West Irian), Indonesia	YOMI	2 38 34S	140 33 35E	260		
		YOMI					
Yonago	Tottori, Honshū, Japan	YON	35 25 54N	133 20 30E	7		
Yonago 2	Tottori, Honshū, Japan	YONJ	35 11 18N	133 27 48E	320		
Yonaguni jima	Ryūkyū Islands, Japan	YOJ	24 27 42N	123 00 36E	32		
Yonaguni jima 2	Ryūkyū Islands, Japan	JYJ	24 27 00.6N	122 56 37.2E	22		
Yonkie	Papua New Guinea	YYYY	6 14 28.5S	145 58 07.7E	1314		Correction to coordinates Sep 1992. From 1988 VI 02.
		YYYY					
Yorkshire	New York, USA	YSNY	42 28 32.9N	78 32 15.0W	628		From 1993 VIII 18.
Yoshiwara	Shizuoka, Honshū, Japan	YOS	35 10N	138 41E			*Closed*. To 1941.
Young	New South Wales, Australia	YNG	34 17 58.4S	148 23 42.9E	460		From 1999 I.
Young	New South Wales, Australia	YOU	34 16 42S	148 22 54E	503		*Closed*. From 1974 VII 01 to 1998 VIII 17.
Youssef Ben T.	Morocco	YBT	29 50 53N	9 39 54W	140		Youssef Ben Tachfine.
Yr Eifl	Wales, UK	YRE	52 58 51.6N	4 25 31.4W	197		From 1984.
Yreka	California, USA	YR−	41 38 07N	122 45 14W	914		*Closed*. From 1965 X 25 to 1965 XI 13 from 1967 VIII 01 to 1967 X 06.
		YR−					
Yreka Blue Horn	California, USA	YBH	41 43 54.5N	122 42 37.8W	969		From 1993 VII 24.
Yucca Mountain	Nevada, USA	YMT1	36 51 13.3N	116 31 45.5W	1176		*Closed*.
Yucca Mountain	Nevada, USA	YMT2	36 47 07.2N	116 29 11.4W	1069		From 1981 III 05.
Yucca Mountain	Nevada, USA	YMT3	36 47 13.8N	116 24 47.4W	1050		
Yucca Mountain	Nevada, USA	YMT4	36 50 49.8N	116 27 04.2W	1256		From 1981 IV 01.
Yucca Mountain	Nevada, USA	YMT5	36 53 54.0N	116 27 13.8W	1374		From 1981 IV 01.
Yucca Mountain	Nevada, USA	YMT6	36 51 30.6N	116 24 15.6W	1160		From 1981 IV 01.
Yuen Ng Fan	Hong Kong	YHK	22 22 45.1N	114 20 07.4E	87		
Yuha Desert	California, USA	YUH	32 38 51.6N	115 55 22.8W	186		
Yuli	Taiwan, China	TWF	23 20 57N	121 17 45E	180		From 1974 I 30.
Yuli	Taiwan, China	TWF1	23 21 07.8N	121 17 49.2E	260		From 1977 VIII 26 to 1983 X 15.
Yuma Desert	Arizona, USA	YMD	32 33 16.8N	114 32 40.8W	76		
Yumen	Gansu (Kansu), China	YUM	40 17 48N	97 00 54E			Yü−men.
Yü−men		YUM	*See* Yumen				
Yuo jima		YUO	*See* Iwo jima				
Yupe	El Salvador	YPE	14 07 18N	89 40 50W	1581		
Yupiltepeque	Guatemala	YUP	14 12 04.8N	89 48 05.4W	1430		From 1980 VIII.
Yü−Shan	Taiwan, China	YUS	23 29 21.5N	120 57 06.3E	3845		Mt Morrison Correction to position Nov 1990.
Yuzh−Kuril'sk	Sakhalinskaya Obl., RF, CIS	YUK	44 01N	145 49E			Yuzhno−Kuril'sk.
Yuzh−Sakhalinsk	Sakhalinskaya Obl., RF, CIS	YSS	46 57 29.9N	142 45 39.6E	98		Yuzhno−Sakhalinsk, Youjno−Sakalinsk.
		YSS					Coordinates corrected Oct 1997.
Zabrze	Poland	ZAB	50 18 05N	18 47 40E	258		
Zacaltic	Chiapas, México	ZAC	17 15 00.0N	92 45 39.6W	380		
Zacatecas	Zacatecas, México	ZAIG	22 46 08.4N	102 34 01.2W	2537		
Zafferana	Sicily, Italy	ZA1	37 41 07N	15 05 24E	875		
Zaghouan	Tunisia	ZGN	36 22 12N	10 06 00E	720		Correction to coordinates Jun 1993.
Zagreb	Croatia	ZAG	45 49 44.4N	15 59 38.4E	178		Agram. From 1983.
Zagreb	Croatia	ZAG*	45 49N	15 59E	155		*Closed*. From 1906 IV 04 to 1983.
Zaio	Morocco	ZAI	34 48 11N	2 44 46W	750		
Zakamensk	Buryatskaya ASSR, RF, CIS	ZAK	50 23N	103 17E			
Zalesovo	Altayskiy Kray, RF, CIS	ZAL	53 56 12.1N	84 47 53.2E	213		
Zalf	Syria	ZALF	32 55 19.5N	37 20 03.0E	532		From 1994 XII.
Zamaca	Peru	PT04	14 40 18S	75 36 54W	400		
Zamans	Spain	EZAM	42 08 56.4N	8 41 42.0W	398		From 1986 XII.
Zamboanga	Mindanao, Philippines	ZMP	6 55 10.4N	122 03 48.0E	0		From 1982 IX 23.
Zanoah	Israel	ZNH	31 40 37.2N	35 00 00.0E	440		*Closed*. To 1983 IV.
Zante	Greece	ZAN	37 39N	20 40E	4		Zakinthos.
Zaria	Nigeria	ZAR					*Closed*.
Zavalia	Texas, USA	ZAV	31 07 09.0N	94 32 43.2W			*Closed*.
Zefat	Israel	SAF	32 57 36N	35 29 42E	800		*Closed*. Safed. To 1958.
Zfri	Israel	ZFRI	30 33 50.4N	35 10 37.2E	100		
Zhiloy Island	Azerbaydzhan, CIS	ZHI	40 19N	50 36E			
Zihuatanejo	Guerrero, México	ZHGX	17 36 30N	101 27 54W			
Zihuatanejo	Guerrero, México	ZIH	17 36 36.0N	101 27 43.2W	5		
Zihuatanejo	Guerrero, México	ZIIG	17 36 24N	101 27 54W	32		
Zi−Ka−Wei		ZKW	*See* Sheshan				
Zimchurud	Tadzhikistan, CIS	ZIM	38 46N	68 48E			*Closed*.
Zinsen		INC	*See* Inchŏn				
Zishin	Guatemala	ZIS	14 02 00N	90 27 18W	50		From 1979 IX.
Zonda	San Juan, Argentina	ZON	31 32 45S	68 40 43W	730		
Zongo (La Paz)	Bolivia	ZOBO	16 16 09.7S	68 07 26.5W	4397		*ZLP* Correction to coordinates Jul 1993.
Zonguldak	Turkey	ZGT	41 27 03N	31 45 40E	70		*Closed*. From 1980 I to 1981 VI.
Zo−se		ZSC	*See* Sheshan				
Zo−se		ZSC*	*See* Sheshan				
Zoufplan	Italy	ZOU	46 33 24N	12 58 24E	1896		From 1982 X 17.
Zuerich Laegern	Switzerland	ZLA	47 28 56N	8 23 21E	780		
Zugdidi	Gruziya, CIS	ZUG	42 31N	41 53E	110		*Closed*.
Zürich	Switzerland	ZUR	47 22 07.2N	8 34 49.8E	604		*Closed*. From 1911.
Zürich−Lageren	Switzerland	ZUL	47 28 52.8N	8 23 25.2E	700		*Closed*. From 1975 to 1986 VII 09.
Zur Nathan	Israel	ZNT	32 14 16.8N	35 01 55.2E	310		
Zu Zu	Tennessee, USA	ZZT	35 21 50.4N	89 22 19.2W	120		*Closed*. From 1974 III to 1975 IX.

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION CODE

Code		Station Name	Other Code
A			
A10		Crater	
A11		St Roch−Aulnaies	
A16		Rivière Ouelle	
A21		St Andre	
A54		Misere	
A61		Sainte Mathilde	
A64		Saint Siméon	
AA1		Alma−Ata	AAA
AA2		Talgar	TLG
AAA		Alma−Ata	
AAB		Talgar	TLG
AAC	C	Aachen	
AAE		Addis Ababa	
AAHD		Abu Hadid	
AAI		Ambon	
AAK		Ala−Archa	
AAM		Ann Arbor	
AAPN		Arroyo Pinares	
AAR	C	Sfinta Ana	
AARM		Airport Road	
AAS		Arctowski Station	
AASM		Arroyo Seco	
AAU	C	Alta	
AB−		Amboy	
ABA		Alger−Bouzaréah	
ABAR		Abū 'Arīsh	
ABB	C	Abborråsen	
ABC	C	Abéché	
ABE		Aberdeen	
ABF		Auke Bay	
ABG		Abington	
ABH		Alteburg	
ABHA		Abha	
ABJ		Abashiri	
ABJ2		Abashiri 2	
ABJM		Bob Jaurequi	
ABK	C	Abisko	
ABKT		Ailbek	
ABL		Mount Abel	
ABM		Ambohimiarambe	
ABMC		Merrill Creek	
ABN		Auburn	
ABP	C	Abra de Ilog	
ABQ		Albuquerque	
ABR		El Abra	
ABRM		Brophy Road	
ABRN		Auburn	
ABS	C	Abastumani	
ABT		Abant	
ABTN		Auburntown	
ABU		Abuyama	
ABV	C	Anegada	
ACA	C	Amchitka A	
ACB	C	Amchitka B	
ACC	C	Amchitka C	
ACD	C	Amchitka D	
ACE	C	Amchitka E	
ACF	C	Amchitka F	
ACH		Altos	
ACHA		Angle Creek	
ACHM		Chimeneas	
ACI		Arcavacata	
ACL		Alicudi	
ACM	C	Allegan	
ACO		Alabaster Cav.	
ACP		Acatlán	
ACR		Cerro Adams	
ACTN	C	Antioch Church	
ACTO		Acton	
ACU		Canalobre	
ACX		Acapulco	
ACY		Acoyapa	
AD−	C	Adak Island	
AD1	C	Great Sitkin	
AD2	C	Umak	
AD3	C	Kagalaska	
AD4	C	Hidden Bay	
AD5	C	Yakak	
AD6	C	South Kanaga	
AD7	C	North Kanaga	
AD8	C	Adagdak	
ADA	C	Adak	
ADAT		Adana	
ADC	C	Auburn Dam	
ADE		Adelaide	
ADEN		Aden	
ADES		Adelaida	
ADH		Angra Heroísmo	
ADH0		Angra Heroísmo	
ADI		Adamit	
ADK		Adak	
ADL		Adelanto	
ADM	C	NRDS	
ADN	C	Adams	
ADR		Anderson Res.	
ADT	C	Adana	
ADWM		Drytown Water	
AE−	C	Albemarle	
AEB	C	Amchitka	
AECU	C	Ecuador Network	
AEKI		Aeknabara	
AEU		E Anglia Univ.	
AFAR		Ash Flat	
AFC	C	Alfacar	
AFDM		Forest Hills Div.	
AFH		Ashford Hill	
AFHM		Forest Hill	
AFI		Afiamalu	
AFIF		Afif	
AFR		Afareaitu	
AFRM		Fiddyment Ranch	
AG−	C	Augusta	
AGA		Agualva	
AGAL		Gebel Alisa	
AGAM		Agassiz Lake	
AGC		Angel Island	
AGD		Arta Grotte	
AGE	C	Agenahambo	
AGG		Agios Georgios	
AGI		Augustine Island	
AGIM		Gold Rush Inn	
AGL		Agalyk	
AGM	C	Allagash	
AGMR		Gebel Marawa	
AGN		Ağin	
AGO		St Agoulin	
AGR	C	Agra	
AGRI		Agrihan Island	
AGRT		Agri	
AGRW		Gebel Rewraw	
AGT		Agartala	
AGU		Augustine Sum.	
AGVB		Áqua Vermelha	
AGX		Aguascalientes	
AHA		Ahua	
AHID		Auburn Hatchery	
AHRM		Harold F Ross	
AHS	C	Asahigawa	
AHU		Ahuachapán	
AI−		Alliance	
AIA	C	Argentine I.	
AIB		Aibetsu	
AIC		Anacapa I.	
AID	C	Aizu	
AIGLE		Aigle	
AIK		Aikawa	
AIL	C	l'Aileron	
AIN		Ainahou	
AIT		Ait Ouarda	
AIUT	C	Antelope I.	
AJI		Ajiro	
AJM		Ajmer	
AJMR		Ajmer	
AK−	C	Atoka	
AK0	C	North Tanaga	
AK1		West Kanaga	
AK2	C	South Tanaga	
AK3	C	North Tanaga	
AK4	C	Bobrof	
AK5	C	North Tanaga	
AKA		Akutan	
AKA2		Akutan 2	
AKA4		Akutan 4	
AKA5		Akutan 5	
AKC	C	Akçakoca	
AKGH		Akosombo	
AKH	C	Akhalkalaki	
AKI	C	Akita	
AKI1		Akita	
AKIJ		Akita 2	
AKK		Akkeshi	
AKKT	C	Akkuş	
AKL		Akola	
AKMC		Akamas	
AKRL		Khor El Raml	
AKSR		Khor Sakr	
AKU		Akureyri	
AKU−	C	Akureyri	
AKUR		Kurkur	
AKY	C	Akyazı	
AL−	C	Antlers	
AL5		Alaska LP Array	
ALA		Alamo	
ALAM		Latrobe	
ALB		Alberni	
ALBI		Allahabad	
ALC		Alcan	
ALD		Alter Ridge	
ALE		Alert	
ALF	C	Alfred	
ALFC		Alevga	
ALG	C	Algiers Univ.	
ALH		Alicahue	
ALI		Alicante	
ALJ		Aljibe	
ALL	C	Alla	
ALM	C	Almería	
ALME		Alemaya	
ALMG		Alamagan	
ALMR		Almeirim	
ALN		Alexandroúpolis	
ALNM		Lincoln	
ALOA		Alotau	
ALOJ		Loja	
ALOT	C	Alotau	
ALP		Ascoli Pisceno	
ALPW		Alpine	
ALQ	C	Albuquerque	
ALR	C	Isla de Alboran	
ALS		Alishan	
ALT		Altintaş	
ALTA		Alta Urco	
ALTV		Alturitas	
ALU		Alushta	
ALX		Alexander Bay	
AM−	C	Ardmore	
AMA	C	Amatignak I.	
AMAN		Manam	
AMB	C	Ambulong	
AMC		Almaden	
AMD	C	Amderma	
AME	C	Amchitka East	
AMG		Americus	
AMI	C	Amelia	
AMJ		Amō	
AMM		Anaconda	
AMN		Amanu	
AMNH		Manhattan	
AMO		Ambon	
AMP		Ambar	
AMR		Amargosa	
AMRP		Almeirim	
AMS		Amos	
AMU	C	Anchorage	
AMW		Mt Adams	
AN−	C	Angela	
AN1	C	Anna	
AN1*		Pine Canyon	PNC
AN10	C	Anna	
AN11	C	Anna	
AN12	C	Anna	
AN12*		Salinas Radio	SRC
AN13*		Quien Sabe	QSR
AN14*		Cienega Rd	BCGM
AN15*		Johnson Can.	JHC
AN2*	C	Forsythe	
AN3	C	Anna	
AN3*		San Juan Grade	HJGM
AN4	C	Anna	
AN4*		Pacheco Lake	PCL
AN5*		Dillon Ranch	DIL
AN6*		Chase Ranch	CSR
AN7	C	Anna	
AN7*		Canada Road	CDC
AN8	C	Anna	
AN8*		Peckham Road	PKC
AN9	C	Anna	
AN9*	C	Anzar Res 9	
ANA	C	Amchitka	
ANAL		New Alisa	
ANAT		Anatahan	
ANB	C	Amchitka	
ANC	C	Marguerite Bay	
ANCC		Alto Anchicaya	
ANCK		Angle Creek	
AND	C	Amchitka	
ANG		Antigua	
ANGC		Angol	
ANGL		Ecuador	
ANGS		El Ángel	
ANGV	C	Angostura	
ANGW		Angle Mountain	
ANH	C	Anchorage	
ANI*		Anchorage	ANH
ANK		Ankara	
ANKA		Aniakchak	
ANL	C	Andalgalá	
ANM		Nome	
ANMO		Albuquerque	
ANMR		North Marawa	
ANN		Anapa	
ANNS		Annsville	
ANP		Anpu	
ANR		Andizhan	
ANS		Ancona	
ANT		Antofagasta	
ANTI		Antisana	
ANTN		Anderson	
ANTO		Ankara	
ANTR		Antelope Ridge	
ANTZ		Aouinet Torkoz	
ANU	C	Antelope Island	
ANV		Anvil Mountain	
ANVS		Anan'yevo	
ANZ		Anzar Road	
AO−	C	Argonne	
AOB		Aobayama	
AODM		Outingdale	
AOHM		Oregon House	
AOI		Ancona	
AOM	C	Aomori	
AOM1		Aomori	
AOM3		Aomori 3	
AOMJ		Aomori 2	
AOS		Alónnisos	
AOT	C	Adel	
AOU		Aou	
AP−	C	Apache	
APA		Apatity	
APA0		Apatity Array	
APE		Apeiranthos	
APH	C	Airport Hangar	
APHE		Pico Herrero	
API		Apia	
APK	C	Angels Peak	
APKW		Angels Peak	
APL		Alpnach	
APM		Auspurger Mt.	
APN		Apakhonchich	
APO		Äppelbo	
APP		Äppelbo	APO
APR		Arecibo	
APRM		Poppy Hill Road	
APT	C	Avery Point	
APW		Alpha Peak	
APY		Apoyeque	
AQBJ		Aqaba	
AQU		l'Aquila	
AR−	C	Aurora	
AR1	C	Arenal	
AR2	C	Lago de Cote	
AR3	C	Tierras Morenas	
AR4	C	Solania	
AR5	C	Santa Elena	
AR6		Chiripa	
AR7	C	Cape Frico	
AR8	C	Nicoya	
AR9		North	
ARA	C	Arapuni	
ARA0		ARCESS Array	
ARBF		Arbois	
ARC		Arcata	
ARCES		ARCESS Array	
ARD		Arida	
ARE		Arequipa	
AREB		Areado	
ARG		Arkhángelos	
ARH	C	Archignac	
ARI		Arica	
ARJM		Robert Jensen	
ARK		Arkit	
ARL		Chiapas	
ARLS		Aral	
ARM	C	Puerto Armuelles	
ARM*	C	Armidale	
ARM2		Puerto Armuelles 2	
ARMA		Armidale	
ARN		Arnold Ranch	
ARNB		Al Arnab	
ARNI		Argonne North	
ARO		Arta Obs.	
ARR		Argeş	
ARRM		Rickey Ranch	
ARRY		Arrayan	
ARS		Arshan	
ARSA		Arzberg	
ART	C	Arta	
ARTJ		Al Aritein	
ARTL		Arthez−de−Béarn	
ARTT		Arusha	
ARU		Arti	
ARUT		Antelope Range	
ARV		Arcevia	
ARVC		Arvin	
ARVI		'Arava Valley	
ARWM		Richard Wilkes	
AS01		Alice Springs Ar.	
AS02		Alice Springs Ar.	
AS03		Alice Springs Ar.	
AS04		Alice Springs Ar.	
AS05		Alice Springs Ar.	
AS06		Alice Springs Ar.	
AS07		Alice Springs Ar.	
AS08		Alice Springs Ar.	
AS09		Alice Springs Ar.	
AS10		Alice Springs Ar.	
AS11		Alice Springs Ar.	
AS12		Alice Springs Ar.	
AS13		Alice Springs Ar.	
AS14		Alice Springs Ar.	
AS15		Alice Springs Ar.	
AS16		Alice Springs Ar.	
AS17		Alice Springs Ar.	
AS18		Alice Springs Ar.	
AS19		Alice Springs Ar.	
ASA		Asahikawa	
ASAJ		Asahikawa	
ASAR		Alice Springs Ar.	
ASAT		Aşağiçarikuru	
ASB	C	Amchitka	
ASBA		Santa Bárbara	
ASC	C	Amchitka	
ASCN		Ascension	
ASD	C	Amchitka	
ASE	C	Aserradero	
ASH		Ashkhabad	
ASI	C	Mount Amassa	
ASJ		Aso san	
ASK		Askøy	
ASKD		Sinn el Kaddâb	
ASL		Abu Simbel	
ASM		Asama Yama	
ASME		Asmera	
ASMM		Slate Mt.	
ASMO		Sierra Morrones	
ASO	C	Aso	
ASP	C	Alice Springs	

Code		Station Name	Other Code
ASPA		Alice Springs	
ASPF		Aspremont	
ASR		Mount Adams	
ASS		Assisi	
AST		Butare	BTR
ASU		Arizona State	
ASW		Aswan	
ASZ		Ashizuri	
AT−	C	Austin	
AT1	C	West Kanaga	
AT2	C	South Tanaga	
AT3	C	North Tanaga	
ATA		Atar	
ATB		Altamira	
ATC	C	Attachie	
ATD		Arta Tunnel	
ATDB		Astolofo Dutra	
ATE		Arette	
ATEJ		Tejeda	
ATG		Ambohiby	
ATH		Athens Obs.	
ATI		Atico	
ATL		Atlanta	
ATM		Atsumi	
ATN		Antennamare	
ATO		Altona	
ATOT		Gabel Atot	
ATPA		Allentown	
ATR		Alsterbro	
ATR1		Atar 1	
ATT	C	Attica	
ATU		Athens Obs.	ATH
ATX		Austin	
ATZ		Mount Atzmon	
AU2		Augustine Island	
AUC		Auckland	
AUD		Augustine Domo	
AUE		Augustine Island	
AUF		Augustine Flow	
AUH		Augustine H	
AUI		Augustine Island	
AUK		Auki	
AUL		Augustine Lava	
AUM		Augustine Mound	
AUP		Augustine Pin.	
AUR	C	Aurakhmat	
AURF		Auriere	
AUS	C	Austin	
AUT		El 'Aiyât	
AUTN		L'Aution	
AUW		Augustine West	
AVC	C	Adobe Valley	
AVE		Averroes	
AVF		Avril sur Loire	
AVH		Avacha	
AVN		Avellanes	
AVNC		Asheville	
AVO		Avon	
AVOE		Asama Obs.	
AVOW		Apres Vouz Peak	
AVRM		Valley Road	
AVY	C	Angavokely	
AWA	C	Amchitka	
AWAL		West Alisa	
AWDQ		Awoonga Dam 3	
AWH		Whinburgh	
AWI	C	Antigua	
AWKL		West Kalabsha	
AWU	C	Awu	
AX−	C	Alexander City	
AX2	C	Alexander City	
AXZ		Alexandra	
AY−	C	Academy	
AYA	C	Ayagualo	
AYE		Ayenquera	
AYK		Aydıncık	
AYN		Al'Uyaynah	
AYS		Ayseler	
AYVM		Ayaqueme	
AZ−	C	Amarillo	
AZI	C	Avezzano	
AZL		Aizawl	
AZO		Oaxaca	
AZU		Azuero	
AZUC		Azuc	

B

BA−	C	Baldwin	
BAA		Buenos Aires	
BAB		Beni−Abbès	
BAC		Bacău	
BACH		Barnechea	
BAD		Bernadia	
BADA		Al Bad'	
BAE		Brasilia Array	
BAE1		Brasilia Array	
BAE2		Brasilia Array	
BAE3		Brasilia Array	
BAE4		Brasilia Array	
BAE5		Brasilia Array	
BAEE		Brasilia Array	
BAF		Belacker	
BAF*		Baguio	
BAG		Baguio City	
BAH	C	Barrette	
BAI		Bari	
BAIF		Baives	
BAK		Baku	
BAL		Ballidu	
BALA	C	Baldy Mountain	
BALI		Monte Baldo	
BALM		Baldy	
BALT		Daday	
BAM		B. Abdel Moumen	
BAN	C	Banff	
BAO		Brasilia Array	
BAP		Bailey Peak	
BAP*		Basco	
BAPM		Anderson Peak	
BAR		Barrett	
BARA		Baḥrah	
BARC		Barichara	
BART		Pico Bartolomeu	
BARV		Barcelona	
BAS	C	Basle	
BAS1		Brasilia Array	
BAS2		Brasilia Array	
BAS3		Brasilia Array	
BAS4		Brasilia Array	
BAS5		Brasilia Array	
BASE		Brasilia Array	
BAT	C	Bayram−Ali	
BATC		Bat Cave Butte	
BAUT	C	Bautismo	
BAV		Blacksburg	
BAVM		Antelope Valley	
BAW1		Brasilia Array	
BAW2		Brasilia Array	
BAW3		Brasilia Array	
BAW4		Brasilia Array	
BAWE		Brasilia Array	
BAY	C	Bayanday	
BAYN		Bayana	
BB−	C	Bloomsburg	
BBB		Bella Bella	
BBC	C	Big Bear	
BBD	C	Blackbird	
BBG		Brasstown Bald	
BBGM		Big Mountain	
BBI	C	Big Bend	
BBJ		Bamboo St Ann	
BBL		Barber's Block	
BBM	C	Big Bend	
BBN	C	Black Butte	
BBNM		San Benito	SBT
BBOO		Buckleboo	
BBOR		Butler Butte	
BBP		Basco	
BBR		Beebe Ranch	
BBS		Basel−Blauen	
BBT		B. Ibn Battouta	
BBTK		Belbaşi	
BBTN	C	Blue Bank Bayou	
BBU		Al Budayyi	
BBW		Black Birch	
BC2		Big Chuckwalla 2	
BCA		Borçka	
BCA3		Beaver Creek Ar.	
BCAO	C	Bangui	
BCB	C	Big Creek Baldy	
BCC		Colson Canyon	
BCD		Casitas Dam	
BCG		Bois Riant C.	
BCGM		Cienega Rd	
BCH		Branch Mountain	
BCHM		Black Canyon N	
BCI		Bajram Curri	
BCK		Bucak	
BCKR		Birch Creek	
BCL	C	Casitas Lake	
BCM	C	Basin Creek	
BCN	C	Boulder City	
BCO		Cerro Blanco	RTCB
BCP		Baguio City	
BCPM		Bancas Point	
BCR	C	Bucaramanga	
BCS		Charleston	
BCS*	C	Brasilia Array	
BCT	C	Brookfield	
BCU	C	Bear Canyon	
BCWM		Chews Ridge	
BCX		Newton	
BCYI		Bear Canyon	
BCZ		Braida Crags	
BD−	C	Bedford	
BDA	C	Boulder Dam	
BDB	C	Bagnères−Bigorre	
BDBC		Bennett Dam	
BDC	C	Boulder	
BDF		Brasilia (W)	
BDFB		Brasilia	
BDG		Badger Mountain	
BDH		Highclere	
BDHA		Al−Baidha	
BDI		Bagni Di Lucca	
BDID		Brownlee Dam	
BDMQ		Boondooma Dam	
BDN		Bodon	
BDNM		Bernardo	
BDO	C	Budoia	
BDP	C	Broad Pass	
BDRN		Badran	
BDS		Barbados	
BDT		Bhumibol Dam	
BDU	C	Big Dutch Hollow	
BDV		Budva	
BDW	C	Boulder	
BE−	C	Belleview	
BEA	C	Beatty	
BEAW		Beaver Mountain	
BEB		Belém	
BEC		Bermuda−Col.	
BECU	C	Ecuador Network	
BED	C	Bald Eagle	
BEE		Al Areen	
BEG		Bergheim	
BEH		Bench	
BEHM		Elkhorn Ranch	EKH
BEI		Bear River Range	
BEK		Belvue	
BEKR		Beckwourth	
BEL	C	Belsk	
BEM		Bemidji	
BEMM		Emmet	EMT
BEN	C	Bermuda−Navy	
BENE		Beatrice	
BENN		Benn Knob	
BENR		Benton	
BEO		Belgrade	
BEP	C	Beppu	
BER		Bergen	
BERA		Berati	
BERF		Bertagne	
BERI		Bernadia	BAD
BERL		Berlin (NY)	
BERT		Berda	
BES		Besançon	
BET	C	Bethel	
BETC		Betania	
BETH	C	Bethel	
BETV		Betijoque	
BEU		Beuren	
BEV	C	Beverley	
BEVG		Clark Hill Res.	
BEW		Beaufort West	
BEY		Berane	IVA
BF−	C	Bakersfield	
BFC		Buffalo Canyon	
BFD		Bellfield	
BFF	C	Buffalo−Larkin	
BFM		Bigfork	
BFMT		Birchfield Mt.	
BFO		Black Forest	
BFS		Buffelsfontein	
BFT		Belfast (SA)	
BFW		Baw Faw Mt.	
BFZ		Birch Farm	
BG−	C	Bangor	
BGA		Mount Bagana	
BGB		Big Butte	
BGC		Bolinger Road	
BGCA		Bogoin	
BGD	C	Bogdanovka	
BGF		Bois d'Agland	
BGG		Burgeitz	
BGH		Bear Gulch	
BGI		Bengkulu	
BGIO		Bar Giyyora	
BGKY		Bowling Green	
BGL		Barrier Glacier	
BGM		Big Mountain	
BGMT		Barton Gulch	
BGN	C	Big Creek	
BGO		Bowling Green	
BGP		Bagra	
BGR		Bangor (NY)	
BGRM		Barrier Glacier 2	
BGRQ		Glenroy	
BGV		Băc−Giang	
BGY		Belgrade	
BGZ		Barguzin	
BH−	C	Burwash Landing	
BHA		Broken Hill	
BHB		Bricherasio	
BHD		Baghdād	
BHDI		Bhandari	
BHG		Bad Reichenhall	
BHI	C	Bertha Hill	
BHJ		Bhuj	
BHK		Bhakra	
BHKY		Bowman Hall	
BHL		Bhannes	
BHM		Barham	
BHO	C	Bethel	
BHP	C	Balboa Heights	
BHPL		Bhopal	
BHPR		Bishop	
BHRA	C	Baḥrah	
BHRM		Hodges Ranch	
BHS		Barnard House	
BHSM		Hastings St. Pk	
BHT		Blowhole	
BHUJ		Bhuj	
BHW		Baring Head	
BI−	C	Big Stone Gap	
BI1	C	Barter Island	
BI2	C	Barter Island	
BI3	C	Barter Island	
BI4	C	Barter Island	
BIAL		Bialla	
BIB		Bowen Island	
BID	C	Bidston	
BIDA		Albida	
BIE		Brione	
BIG	C	Big Mountain	
BILL		Bilibino	
BIM		Bigot	
BIN	C	Binsa	
BING		Binghamton	
BINT		Bingol	
BINY		Binghamton	
BIO	C	Biorka	
BIP		Bislig	
BIPS		Buchanan	
BIR		Birlad	
BIS		Bismark Peak	
BISH		Bíshah	
BISS		Bistriski jarek	
BIT		B. Ibn Batouta	
BIU		Bingham Canyon	
BIX		Bixby	
BIZ		Bicaz	
BJA		Jaww	
BJCM		Johnson Can.	JHC
BJI		Beijing	
BJI2	C	Beijing	
BJO		Bjørnøya	
BJOM		Mt Johnson	
BJT		Baijiatuau	
BJU		Chiapas	
BK−	C	Bald Knob	
BKA		Kennedy	
BKB	C	Balikpapan	
BKB2		Balikpapan	
BKC		Brookwood Res.	
BKE		Békéscsaba	
BKG		Blockade Glacier	
BKHT		Bunker Hill	
BKI		Bering	
BKJ		Big Koniuji	
BKL		Bakel	
BKM		Butte a Klehm	
BKN		Blacknest	
BKO		Bokosso	
BKOA		Assam	
BKR		Bakuriani	
BKS		Byerly	
BKT	C	Bakacak	
BKU	C	Beaver Lake Mts	
BL−	C	Beckley	
BL1		Borgo	BSL
BLA		Blacksburg	
BLC		Baker Lake	
BLE		Bellville	
BLF		Bloemfontein	
BLG		Laguna Peak	
BLGA		Beluga	
BLH		Bald Hill	
BLHA		Black Hill	
BLIT		Balţah	
BLK	C	Black Butte	
BLKC		Black Mt.	
BLL	C	Bellingham	
BLLO		Bulolo	
BLM		Blue Mountain	BMT
BLM*	C	Bell Mountain	
BLMY		Blum	
BLN		Blyn Mountain	
BLO		Bloomington	
BLP		Lompoc	
BLPI		Bilaspur	
BLR	C	Black Rapids	
BLRM		Lewis Ranch	
BLS		Blåsjø	
BLS1	C	Blåsjø	
BLS2	C	Blåsjø	
BLS3	C	Blåsjø	
BLS5		Blåsjø	
BLSP		Bilaspur	
BLT		Belted Range	
BLU		Blue Ridge	
BLV	C	Bailadores	
BLVT		Baltimore	
BLW		Big Hill	
BLY		Banja Luka	
BLZ		Bolzano	
BM−	C	Balmorhea	
BM3		Burnt Mt. Array	
BMA		Barra Mansa	
BMB		B.M.B. Abdellah	
BMBC		Bull Mountain	
BMCM		McPhails Peak	
BMD		Beni Messoud	
BME		B.M. Eddahbi	
BMG		Bucaramanga	
BMHM		Mount Harlan	
BMI		Bomdila	
BMK		B. El Makhazine	
BML	C	Blue Mountain L.	
BMM	C	Big Maria Mts	
BMN		Battle Mountain	
BMNM		Bear Mountains	
BMO		Blue Mountains	
BMR		Baia Mare	
BMRM		Bremner River	
BMS		Big Muddy Lake	
BMSH		Bir Mashi	
BMSM		Mercy Springs	
BMT		Blue Mountain	
BMTC		Bear Mountain	
BMTN		Black Mountain	
BMU		Muharraq	
BMUT		Black Mountain	
BMW		Boistfort Mt.	
BMY		Bingley Moor	
BNAB		Bonilla	
BNALP		Bannalp	
BNB		Barry Inlet	
BNC		Bambui	
BND	C	Bandung	
BNE		Burnie High Sch.	
BNG		Bangui	
BNH	C	Berlin (NH)	

Code		Station Name	Other Code
BNI		Bardonecchia	
BNJ	C	Banda−Neira	
BNM		Barren Site	
BNN		Bünyan	
BNP		Banawang	
BNPN		Boundary Peak	
BNS		Bensberg	
BNT		Bandirma	
BNV	C	Benevento	
BNY		Binghamton	
BO−	C	Brewton	
BO1	C	Boulder	
BOA		Boaco	
BOB		Bobbio (Coli)	
BOC		Bochum	
BOCO		Bogota	
BOD		Bodaibo	
BOF		Bonneval	
BOG		Bogotá	
BOH		Bohocortia	
BOI		Boisen	
BOJ		Boujaaouane	
BOK		Bokaro	
BOKR		Bokaro	
BOL		Bologna	
BOM		Bombay	
BON		Bonds Corner	
BONR		Boundary Peak	
BOO		Bordano	
BOQS		Boquerón	
BOR	C	Borzhomi	
BORG		Borgarnes	
BORI		Bordano	BOO
BORS	C	Borseda	
BOS	C	Bosque Alegre	
BOSA		Boshof	
BOT		Bacolet	
BOU	C	Boulder	
BOURR		Bourrignon	
BOV	C	Bogong Mts	
BOW		Bowman	
BOYT		Boyabat	
BOZ	C	Bozeman (W)	
BP−	C	Bishop	
BPA		Boggy Peak	
BPBC		Brooks Peninsula	
BPCM		Pine Canyon	
BPFM		Pfieffer Point	
BPI		Johannesberg	
BPIL	C	Belle Prairie	
BPIM		Pinnacles	
BPK	C	Black Peak	
BPM	C	Bucksport	
BPO		Bald Peter	
BPOM		Post Ranch	
BPPM		Pinyon Peak	
BPRM		Ponciano Ridge	
BPT	C	Bridgeport	
BPU	C	Bountiful Peak	
BQA		Beqa	
BQB		Bob Quinn Lake	
BR−	C	Berlin (Penn)	
BRA	C	Bratislava	
BRAS		Brasopolis	
BRB	C	Barbados	
BRBC		Blue Ridge B.C.	
BRBR		Barbar	
BRC	C	Barley Canyon	
BRCI		Bahraich	
BRD		Bordeşti	
BRDG		Blue Ridge	
BRE	C	Wroclaw	
BRF		Ar Rifā	
BRG		Berggiesshübel	
BRGC		Borrego Mt.	
BRH	C	Birch Hill	
BRI	C	Brig	
BRIB		Briones	
BRJ	C	Black River	
BRK		Berkeley	
BRL		Berlin Univ.	
BRLK		Bradley Lake	
BRM	C	Bernie	
BRMM		Rolling Mark	
BRN		Berlin	
BRNE	C	Bradley Lake NE	
BRNI		Bet Oren	
BRNL		Berlin−Lankwitz	
BRNW	C	Bradley Lake NW	
BRO		Bare Mountain	
BRR	C	Berryman	
BRS		Brisbane	
BRSB	C	Brisbane	
BRSE		Bradley Lake SE	
BRSW	C	Bradley Lake SW	
BRT		Bari−Castellana	
BRTN		Brown Mountain	
BRU		Barú	
BRUT		Bromley	
BRV		Barrow	
BRVK		Borovoye	
BRVM		Little Rabbit V.	LRV
BRVW		Black Rock V.	
BRW		Barrow	
BRY		Bratogost	
BRYW		Smithfield	
BRZ	C	Borland Lodge	
BSA		Byrd (S.R.I.)	BY1
BSBM		Swanson's Bluff	
BSC		Santa Cruz Island	
BSCM		Stone Canyon	
BSD		Bornholm Skov.	
BSD*		Akirkeby	
BSE		Boise	
BSEG		Bad Segeberg	
BSF		Ballon Servance	
BSGM		Shirttail Gulch	SHG
BSI		Banda Aceh	
BSK		Brimstone Hill	
BSL		Borgo	
BSLM		Silva Ranch	
BSLQ		Bruslee	
BSM		San Miguel Island	
BSMM		Soledad Mission	
BSMT		Bassoo Peak	
BSN		San Nicolas I.	
BSO	C	Bsor	
BSO1		Boso 1	
BSO2		Boso 2	
BSO3		Boso 3	
BSO4		Boso 4	
BSP	C	Bush Stream	
BSPT		Big Springs	
BSR		Basra	
BSRM		Salinas Radio	
BSS		Baronissi	
BST		Brest	
BSYO		Bisya	
BSZ		Bushy Park	
BT−	C	Bates	
BTB		Buttle Lake	
BTC		Butembo	
BTCH		Batrach	
BTE		Batoke	
BTG		Basse Terre	
BTH		Betharram	
BTI	C	Bat Shelomo	
BTL		Butler Peak	
BTLK		Bitlis	
BTN	C	Butuan	
BTNI		Buton	
BTO		Baotou	
BTR	C	Butare	
BTW		Bitterwater Creek	
BTY	C	Beatty	
BU−	C	Buckingham	
BUA		Buia	
BUB	C	Buchberg	
BUC		Bucharest	
BUC1		Bucharest	
BUC2		Bucharest	BUC1
BUD		Budapest	
BUE		Buenavista	
BUF		Buffalo	
BUG		Bochum−Univ.	
BUGC		Buga	
BUH		Bühlerhöhe	
BUI		Burke	
BUII		Buia	BUA
BUK	C	413	
BUL		Bulawayo	
BUN	C	Bunnythorpe	
BUNC		Butner	
BUNI		Buntu Taipa	
BUO	C	Burlington	
BUR	C	Burlington	
BURJ		Burma	
BUS		Buena Vista	
BUT		Butte	
BUTX		Baylor Univ.	
BUV	C	Buchan	
BUW		Bucklebury West	
BUWY		Burn	
BV−	C	Belleville	
BV1		Bath County 1	
BV2		Bath County 2	
BV3		Bath County 3	
BV4		Bath County 4	
BVA		Buena Vista	
BVC	C	Bear Valley Obs.	
BVD		Bellevue St. Pk	
BVG	C	Bouganvilia	
BVK		Beaver Lake	
BVL		Bear Valley	
BVLM		Bear Valley	BVL
BVM		Bellevue	
BVR		Beaver	
BVT		Borgo Val di Taro	
BVTM		Michoacan	
BVW		Beverly	
BVYM		Vineyard	
BW−	C	Blewett	
BW06		Boulder Array	
BWA		Boorowa	
BWD		Brandywine	
BWI		Barbuda	
BWN		Browne	
BWP		Baguio	
BWZ		Berwen	
BX−	C	Blanding	
BY1	C	Byrd (S.R.I.)	
BY2		Byrd (S.R.I.)	
BY3		Byrd (S.R.I.)	
BYA		Byrd (S.R.I.)	
BYB		Berrybush	
BYBT		Boyabat	
BYD	C	Bredaryd	
BYN		Bayano	
BYR	C	Byrd Station	
BYT		Bytom	
BZ−	C	Buckhannon	
BZE	C	Bozeman	
BZK		Bozkurt	
BZM	C	Bozeman	
BZN		Bogi−Zagon	
BZS		Buziaş	

C

CA−	C	Caryville	
CA2		Cagliari Serpeddi	CGL
CAA		Chañaral	
CAB	C	Cabramurra	
CABA		Caballo Blanco	
CABF		La Chapelle	
CAC		Calama	
CACB		Caconde	
CACH		El Canelo	
CACM		Antioch	
CAD	C	Cady Mountains	
CADM		Anderson Res.	ADR
CAE		Caneva	
CAF		Calviac	
CAG	C	Caguas	
CAH		Castle Hill	
CAHL		Cahill	
CAI		Caico	
CAIG		El Cayaco	
CAIM		Angel Island	AGC
CAIV		Caigüire	
CAL		Calcutta	
CALA		Caldeira	
CALB		Calabasas	
CALC		California City	
CALF		Calern	
CALI		Calice	
CALM		Calaveras Res.	CVR
CALN		Calern	
CALV		Calvario	
CAM	C	Cambridge	
CAMB		Cambridge (NY)	
CAMM		Veracruz	
CAN		Canberra	
CANV		Cerro Antonio	
CANY	C	Canisius	
CAO		Cō bano	
CAOM		Arnold Ranch	ARN
CAP	C	Capodimonte	
CAR		Caracas	
CARB	C	Mount Cartier	
CARF		Carcanìeres	
CARM		Carmen	
CARS		Cars	
CAS	C	Casamari	
CASR		Casa Diablo Mt.	
CASY		Casey	
CAT		Catania	
CAV		Cavalese	
CAW		Cannon Point	
CAY		Cayenne	
CAYA		Cayambe	
CAZ	C	Castlepoint	
CAZE		Cazenovia	
CB1		Chesbro Res. 1	
CB10		Mt Hamilton Road	MHR
CB2	C	Chesbro Res. 2	
CB3		Chesbro Res. 3	
CB4		Chesbro Res. 4	
CB5		Chesbro Res. 5	
CB6		Chesbro Res. 6	
CB7	C	Chesbro Res. 7	
CB8		Chesbro Res. 8	
CB9		Mines Road	MNR
CBA	C	Cold Bay	
CBB		Campbell River	
CBC		Chamberlain	
CBD		Cypress Bend	
CBET		Carlsbad E Tower	
CBHM		Coso Basin N	
CBI		Chichi jima	
CBIJ		Chichi jima	
CBK		Corner Brook	
CBKC		Canebreak	
CBKS		Cedar Bluff	
CBLG		Bald Mt. Lookout	
CBM	C	Caribou	
CBN		Corbin	
CBO		Chesbro Res.	
CBP		Campbellpur	
CBR		Cabramurra	
CBRM		Bolinger Road	BGC
CBS		Caborca	
CBSM		Byron Springs	
CBSW		Chelan Butte S	
CBT		Christianburg	
CBTI		Cedar Butte	
CBW		Chelan Butte	
CBWM		Brookwood Res.	BKC
CBX		Cerro Bola	
CBY		Cold Bay	
CBYP		Canóvanas	
CBZ	C	Campbell Island	
CBZL		Buffer Zone	
CBZM		Michoacan	
CC1		Presa Caracol 1	
CC2		Presa Caracol 2	
CC3		Presa Caracol 3	
CC4		Presa Caracol 4	
CC5		Presa Caracol 5	
CCA	C	Coamo	
CCAN		Las Cañadas	
CCB		Clear Creek Butte	
CCC	C	Cusp Creek	
CCCC		Cccc	
CCG	C	Camp Century	
CCH		Cochabamba	
CCHE	C	Chesterland	
CCI		Cagliari Citta	
CCK	C	Cocos Island	
CCM		Cathedral Cave	
CCMO		Creve Coeur	
CCMT	C	Clark Can. Res.	
CCMX		Caleta Campos	
CCN	C	Cachucha Ranch	
CCNE		Clay Center	
CCNM		Crow Canyon Rd	CYC
CCO		Chico	
CCOK		Camp Classen	
CCOM		Coe Ranch	COE
CCP	C	Cebu City	
CCR	C	Chacarita	
CCRT		Cow Camps Rge	
CCS		Cawcaw Swamp	
CCT	C	Chilecito	
CCU		Cedar City	
CCVA		Cudjo Cave	
CCW		Cape Campbell	
CCYM		Coyote Hills	
CD2		Chengdu	
CDA	C	Cape Douglas	
CDAL		Dalton Road	
CDAM		C. Altamirano	
CDB	C	Căldăruşani	
CDC		Canada Road	
CDCB		Carmo do Cajuru	
CDD		Cape Douglas	
CDF		Champ du Feu	
CDFW		Cedar Flats	
CDG		Carters Dam	
CDH1		Calico Hills	
CDH5		Calico Hills	
CDI	C	Cordova	
CDL		Candle	
CDM		Cerro de Muerte	
CDN		Cerro Durazno	
CDO	C	Cedar Creek	
CDOM		Doolan Road	DOO
CDP		Cerro de Punta	
CDR		Cadarache	
CDSM		Don Santos	
CDU	C	Chengdu	
CDUM		Durate Ranch	DUC
CDVM		Del Valle	
CDY		Cape Darby	
CDZ	C	Cobb Dam	
CE−	C	Concrete	
CEA	C	Ceahlău	
CEC	C	Childress 1	
CECL	C	East Claridon	
CECU	C	Ecuador Network	
CED	C	Cedar Springs	
CEDI		Cerro Diablo	
CEDR		Cedros	
CEH		Chapel Hill	
CEI		Carei	
CEL		Celeste	
CELP		Cerrillos	
CEM		Çemisgezek	
CEN		Cerronegro	
CENE		Cerro Negro	
CEO		Cerro Encantado	
CEOS		Cerro El Oso	
CEP		Cherat	
CER		Ceres	
CERV		Cerron	
CESL		Cescau	
CESS		Cesta pri Krskem	
CEY		Cerknica	
CF−	C	Colfax	
CFA		Coronel Fontana	
CFF		Clermont Ferrand	
CFI		College Fiord	
CFL		Chilao Flats	
CFM	C	Cliffside	
CFO	C	Chats Falls	
CFR		Carcaliu	
CFS		Cross Fire Stn	
CFT		Crafton Hills	
CFTV		Fuerteventura	
CFU		Cove Fort	
CFWM		Cactus Flat W	
CG−	C	Cumberland Gap	
CGA		C. Gloucester Air.	
CGAC		Cerro Gallo	
CGC	C	Craig	
CGD		Chagda	
CGG		Guerrero	
CGGP		Crater GGP	
CGH	C	Cape Good Hope	
CGI		Chicago	
CGL		Cagliari Serpeddi	
CGLM		Capps Glacier	
CGM		Cape Girardeau	
CGN		Călugăreni	
CGP		Cagayan Oro	
CGPM		Gavin Park	
CGPV	C	Cottongarden Pt	
CGRR	C	Girdled Road	
CGSM		China Gardens	
CGT	C	Chuian−Garon	
CGTN	C	Cumberland Gap	
CGTX		Campo Grande	
CGV		Camp Garcia	
CGVM		Cerro Gordo	

Code		Station Name	Other Code
CGX		Ciudad Guzmán	
CGY	C	Coligny	
CH−	C	Churchill	
CH2		Chocolate Mt.	
CH5		Clark Hill Res.	
CH6		Clark Hill Res.	
CHA		Chatra	
CHAF		Chalampé	
CHAU		Chaumont	
CHB		Church	
CHC	C	Chapel Hill	
CHCH		Chados A.	
CHCP		Chirah Chowk	
CHDN		Chaudanne	
CHE	C	Cheb	
CHF	C	Calhoun Falls	
CHG		Chiang Mai	
CHH		Chihuahua	
CHI		Chicago−Loyola	
CHI1		Chimborazo	
CHIC		Chingaza	
CHIE		El Hierro	
CHIM	C	Chimborazo	
CHJ		Chichibu	
CHJJ		Chichibu	
CHK	C	Chicago	
CHKI		Chanki	
CHKT		Chengkung	
CHL	C	Chilik	
CHM	C	Chimkent	
CHMT		Chamblerlain Mt.	
CHMZ		Choma	
CHN		Chinchina	
CHO	C	Chō si	
CHO1	C	Chō si	
CHOI		Coyote Hollow	
CHOJ		Chō si	
CHOR		Cabbage Hill	
CHP	C	Chuchupate	
CHP1		Pelados	
CHP2		Corcovado	
CHP3		Chocan	
CHP4		Algarobillo	
CHP5		Huaypira	
CHP7		Eten	
CHP8		Chiclayo	
CHPM		Chiautla de Tapia	
CHQ	C	Charlesbourg	
CHR		Christchurch	
CHRY		Calls Hollow Rd	
CHS	C	Chusal	
CHT		Chittagong	
CHTN	C	Church Hills	
CHTO		Chiang Mai	
CHU	C	Chur	
CHV	C	Chiavari	
CHVM		Chichinautzin	
CHW		Chowiet Island	
CHX		Chaix Hills	
CHY		Chiayi	
CHZ	C	Chorzów	
CI−	C	Clintwood	
CIA		Chichaoua	
CIB	C	Cedar Butte	
CICH		Cipreses	
CIGS		Centro In. Geotec	
CIM	C	Chimachoy	
CIN		Cine	
CIO		Camerino	
CIP	C	Cipolletti	
CIPM		Puebla	
CIR		Chiredzi	
CIRL	C	Cave In Rock	
CIS		Catalina Island	
CISC		Cisc	
CIT		Chita	
CIW		Santa Catalina	
CIZ		Chatham Islands	
CJM		Chamela	
CJR	C	Cluj−Napoca	
CJR1		Cluj−Napoca	
CJV		Casa Juvan	
CJW	C	Canyon Junction	
CK−	C	Cache Creek	
CKC		Cook Canyon	
CKI		Cairo Montenotte	
CKK		Chekok	
CKL		Chakachamna L.	
CKM	C	Coopers Lake	
CKN		Chakachatna N	
CKO		Chalk River	
CKP		Chanarkot	
CKT		Bend	
CL−	C	Challis	
CL1		Del Valle	CDVM
CL2		Mines Road	CMNM
CLA	C	Chala	
CLAN		Lanzarote	
CLAR		Clarkstown	
CLB	C	Chilbolton	
CLC		China Lake	
CLCM		Lake Chabot	LKC
CLD	C	Caldera	
CLE	C	Cleveland	
CLF	C	Chambon−Forêt	
CLG		Cologne	
CLH	C	Cheltenham	
CLI		Coloneşti	
CLIC		Calipatria	
CLIN	C	Clinton	
CLK		Chileka	
CLKR		Crowley Lake	
CLL		Collm	
CLLP	C	Cerrillos	
CLM	C	Coleman	
CLMC		Lago Colima	
CLN		Carlsbad	
CLN2	C	Carlsbad 2	
CLN4		Carlsbad 4	
CLN6		Carlsbad 6	
CLN7		Carlsbad 7	
CLNB		Carlsbad	
CLNS		Chul'man	
CLO		Closani	
CLP		Clara Peak	
CLR	C	Collurania	
CLS	C	Calistoga	
CLT	C	Charlottesville	
CLU	C	Cluj	
CLV		Cleve	
CLW	C	Colville	
CLX		Calx Mountain	
CLY	C	Crystal Lake	
CLZ		Clausthal	
CM1		Minnesota Array	
CM16		Chiang Mai Array	
CM2		Minnesota Array	
CM3		Minnesota Array	
CM31		Chiang Mai Array	
CM32		Chiang Mai Array	
CM33		Chiang Mai Array	
CM34		Chiang Mai Array	
CM35		Chiang Mai Array	
CM36		Chiang Mai Array	
CM4		Minnesota Array	
CM5		Minnesota Array	
CM6		Minnesota Array	
CMA	C	Clear Mews	
CMAR		Chiang Mai Array	
CMB		Columbia College	
CMBC		Cumbal	
CMC	C	Coppermine	
CMCM		Mills College	
CMCZ	C	Cairnmuir Mts	
CME	C	Menerdue Farm	
CMEN	C	Mentor	
CMF	C	Cannet Maures	
CMG	C	La Cumbre	
CMG2		La Cumbre 2	
CMH		Chemehuevi Mts	
CMHM		Mt Hamilton Road	MHR
CMI		Centennial Mt.	
CMJM		Mission San Jose	MSJ
CML		Chã da Macela	
CMLA		Chã da Macela	
CMLM		Mount Lewis	
CMMM		Mount Macho	
CMN	C	Crown Mine	
CMNM		Mines Road	
CMO	C	College	
CMOM		Morgan Territory	MTC
CMP		Campulung	
CMPM		Mikes Peak	
CMR	C	Camerino	
CMRM		Mines Road	MNR
CMS	C	Cobar Met. Stn	
CMSA		Cobar Met. Stn	
CMSB		Univ. Stadium	
CMT		Clancy	
CMTX		Cooper Mountain	
CMU	C	Cedar Mountain	
CMW		Cultus Mountains	
CMX		Colima	COLM
CMZ	C	Cashmere	
CN−	C	Cornell	
CN2		Changchun	
CNA	C	Cantwell	
CNB		Canberra	
CNBA		Chernabura I.	
CNC	C	Concord	
CNCB		Chanca	
CNCI		Crows Nest Can.	
CND		Currant	
CNE	C	Childress 2	
CNF	C	Cerre−les−Noroy	
CNG		Changalane	
CNH	C	Changchun	
CNI		Changuinola	
CNIL		Conil	
CNJ	C	Catfish Pond	
CNK		Concordia	
CNL	C	Connel	
CNM	C	Chama	
CNN	C	Cincinnati	
CNO	C	Childress 3	
CNP		Catarman	
CNPM		China Poot	
CNQ		Baie Comeau	
CNR		Chonco	
CNS		Constantine	
CNT		Guangzhou	GZH
CNTC		Contact Creek	
CNU		Chengdu	CDU
CNV		Corbin	
CNW	C	Childress 4	
CNY		City College NY	
CNZ		Chateau	
CO−	C	Colome	
CO2		Coxcomb Mts 2	
COA		Coachella	
COAS		Coatepeque	
COB	C	Cobb River	
COBT		Iskenderun	
COC		Colombo	
COCO		West Island	
COD		South Dennis	
COE		Coe Ranch	
COH		Cochiti	
COI		Coimbra	
COK		Cook Ranch	
COL	C	College Outpost	
COLA		College	
COLF		Collangettes	
COLI		Coloredo	
COLM		Colima	
COLN		Colón	
COLW		Colter Canyon	
COM		Comitán	
COM2		Comitán 2	
COMI		Craters of Moon	
CON		Concepción	
COO	C	Cooney	
COOL		Coolgardie	
COP		Copenhagen	
COQ		Corona Quarry	
COR		Corvallis	
CORK	C	Cork	
COS		Cosiguina	
COSM		Mount Oso	
COSP		Cold Spring	
COT		Chocolate Mts	
COTA		Cotacachi	
COTN	C	Columbia	
COV	C	Colchester	
COW		Cow Castle Creek	
COY		Coyote Mt.	
COZ		Cozia	
CP−	C	Campo	
CP2		Crater Peak Two	
CPA		Chapri	
CPAM		Crater Peak Alt.	
CPB		Codrington	
CPBX		Cerro Prieto	
CPC	C	Cherry Point	
CPD		Cerro la Pandura	
CPE		Camp Elliot	
CPH		Captain Cook	
CPI		Crown Point	
CPIM		Pinole Ridge	
CPK		Cone Peak	
CPKM		Crater Peak Rim	
CPL	C	Chaplin	
CPLM		Palomares Rd	
CPM		Copper Mountain	
CPMM		Point Molate	
CPN	C	CP−17	
CPNM		Pleasanton	
CPO	C	Cumberland Plat.	
CPO5		Cumberland Plat.	CPOT
CPOT		Cumberland Plat.	
CPP		Copiapó	
CPR	C	Cape Romanzof	
CPRX		Cap Rock	
CPS		Cap Spartel	
CPT		Camp Pendleton	
CPTM		Cactus Peak W	
CPU		Coon Peak	
CPUP		Villa Florida	
CPW		Capitol Peak	
CPX	C	CP−1	
CPY		CP−1	
CPZ		Penzance	
CR−	C	Crete	
CR1		Chicoasén 1	
CR2		Chicoasén 2	
CR3		Chicoasén 3	
CR4		Chicoasén 4	
CR5		Chicoasén 5	
CR6		Chicoasén 6	
CR7		Chicoasén 7	
CRA	C	Chernovtsy	
CRAM		San Ramon	
CRB	C	Chernovtsy (B)	
CRBI		Circular Butte	
CRC	C	Castle Rock	
CRD		Cavedale Road	
CRE		Caprese Michel	
CRF		Corfu	
CRG		Carmichael	
CRGC		Crocker Grade	
CRH		Carson Hill	
CRI	C	Mt Carmel	
CRID		Crittenden D.	
CRIS		Crittenden S.	
CRL	C	Carloforte	
CRLO		Chalk River	
CRM		Caravelle	
CRN		Corinaldo	
CRNM		Carthage	
CRNY		Cross River	
CRO	C	Carnasaw Mt.	
CROG	C	Croghan (NY)	
CROR		Criterion Ridge	
CRP		Crater Peak	
CRPM		Russellman Park	
CRQ		Rosemanowes	
CRQ2		Rosemanowes	
CRQM		Cirque	
CRR		Carrizo Plain	
CRS		Chara	
CRT		Cartuja	
CRTN		Comb Ridge	
CRU		Crutchfield	
CRUC		La Cruz	
CRUV		Carúpano	
CRV	C	Caraveli	
CRX		Cerrillo	
CRZ	C	Cape Reinga	
CRZC		La Cruz	
CRZF		Crozet Islands	
CS−	C	Crossville	
CSA	C	Cape Sarichef	
CSAM		Sandia	
CSB		Colonia Sabana	
CSC	C	Columbia	
CSCM		Silver Creek	SVC
CSE		Childress 5	
CSG		Childs Glacier	
CSH		Cal. St., Hayward	
CSHM		Cal. St., Hayward	CSH
CSI		Cassano Ionio	
CSIL	C	Creal Springs	
CSJ	C	Cape San Juan	
CSL		Crestline	
CSLM		San Leandro Hills	
CSM	C	Casamicciola	
CSN		Chicoasén	
CSO		Casso	
CSP		Cedar Springs	
CSPM		San Pablo Ridge	
CSPT		Cold Springs	
CSR		Chase Ranch	
CSRY	C	Cold Spring R.	
CSS		Prodhromos	
CSSM		Coso Springs S	
CST		Castrovirreyna	
CSTJ		Casr Tuba	
CSTL		Corral Hollow	
CSVM		Stone Valley	
CSW	C	Childress 6	
CSY		Casey Station	
CSZ		Casera Razzo	
CT−	C	Clayton	
CTA		Charters Towers	
CTAO		Charters Towers	
CTB		Cotabato	
CTC	C	Chetwynd	
CTCR		Cotoán	
CTFE		Tenerife	
CTFL		Taylor Farm	
CTGM		Chitina Glacier	
CTHA	C	Thorn Acres	
CTI		Castel Tesino	
CTK		Çatak	
CTLM		Tesla Road	
CTM		Castle Mt.	
CTN		Crete	
CTO	C	Cape Town	
CTOM	C	Thompson	
CTP		Catapilco	
CTR		Castle Rock	
CTS		Cactus Peak	
CTT		Catalca	
CTU		Camp Tracy	
CTV	C	Charlottesville	
CTW		Cottonwood Mts	
CU−	C	Currant	
CUG		Cuglieri	
CUL	C	Culiacán	
CUM		Cumaná	
CUMB		Cumbre	
CUMC		Nevado Cumbal	
CUN		Columbus	
CUP	C	Culebra	
CUPA		Cupa	
CUPM		Cuyoaco	
CUR		Chagan−Uzun	
CUS		Cuzco	
CUSS		Cusmapa	
CUT		Chulitna	
CV−	C	Centerville	
CVA		Cordova	
CVAL		V.A. Hospital	
CVC		Cholame Valley	
CVD		Cernavoda	
CVE		Cedar Cove	
CVF	C	Calvi	
CVI		Capo Vaticano	
CVL		Charlottesville	
CVLM		Vallecito	
CVLQ		Collinsville	
CVM		Colonia del Valle	
CVN		Calvinia	
CVO		Covasna	
CVP		Callao Caves	
CVR		Calaveras Res.	
CVT		Castelvetrano	
CVV		Charlottesville	CVL
CVVD	C	Valverde	
CW−	C	Conway	
CWB		Cumshewa	
CWC		Cottonwood Cr.	
CWCR		Coldwater Can.	
CWF		Charnwood	
CWPT		Cottonwood Pt.	
CWT	C	Childress 7	
CWU		Camp Williams	
CWZ		Cowlitz River	
CX−	C	Craigsville	
CXM		Morne La Croix	
CXP		Puebla	
CY−	C	Cheyenne	

Code		Station Name	Other Code
CYA		Choya	
CYBM		Yerba Buena Is.	
CYC		Crow Canyon Rd	
CYH	C	Coyote Hills	
CYK		Cape Yakataga	
CYN	C	Coyotepe	
CYP	C	Chylin	
CYT	C	Cape Yakataga	
CYZ		Clyde	
CZ−	C	Cody	
CZC		Chiapa de Corzo	
CZD		Col de Zad	
CZI		Monte Cocuzzo	
CZM		Crazy Man Mt.	
D			
D1A	C	Dickey	
D2A	C	Dickey	
D3A	C	Dickey	
D4A	C	Dickey	
D5A	C	Dickey	
D6A	C	Dickey	
DAC		Darwin (Calif)	
DAF		Dafaré	
DAG		Danmarks Havn	
DAH		Dandelion	
DAI	C	Lüda	
DAK	C	Dakar	
DAL		Dallas	
DALG	C	Dalton	
DAM		Dampier	
DAN	C	Dane	
DANN		Dangsing	
DANY	C	Dannemora	
DAP	C	Davao	
DAQ		Lac Daran	
DAR	C	Darwin	
DAU		Daniels Canyon	
DAV		Davao City (W)	
DAVOS		Davos	
DAW	C	Hoskins	
DAWY		Dawson	
DAY		Day	
DB2		Double Butte	
DBCT		Belle View Chopil	
DBIC		Dimbokro	
DBM		Double Mt.	
DBMY		Dunderburg Mt.	
DBN		de Bilt	
DBO		Dodson Butte	
DBOG		Casa Diablo	
DBP		Darband	
DBQ		Dubuque	
DBR	C	Dubrovnik	
DBV		Dienbien	
DBY	C	Dobrovo	
DCC	C	Delcommune	
DCI	C	Dry Creek	
DCN		Croghan	
DCO		Combe Farm	
DCP		Dickinson Coll.	
DCT		Ducktown	
DCU		Deer Creek Res.	
DCZ		Deep Cove	
DDI		Dehra Dun	
DDK		Dunsink Obs.	
DDM		Donnelly Dome	
DDR		Dodaira	
DDS		Dosso d. Sommo	
DEB	C	Debrecen	
DEC	C	Deception Island	
DEG		La Desirade	
DEI	C	Dent	
DEK		Dekalb	
DEL		Delary	
DEL1	C	Delary	
DEN		Denver	
DENJ		Denville	
DER	C	Derby	
DES		Desert	
DEV		Deva	
DFE		Dawson Falls	
DFR		Drift River	
DGBT		Grand Bay	
DGC	C	Durango	
DGP		DabrowaGornicza	
DGR		Domenigoni Res.	
DGT		Durağan	
DGT*	C	Dallas−GT	
DH−	C	Delhi	
DHA	C	Dutch Harbor	
DHB		Baldwin Hills	
DHH		Diamond Head	
DHJN		Dharan Janob	
DHLJ		Dahal	
DHMR		Dhamar	
DHN		Doyle Hill	
DHR		Dhahran	
DHS	C	Desert Springs	
DHW		Dyer Hill	
DHW2		Dyer Hill 2	
DHY		Denali Highway	
DI−	C	Dillon	
DIAC		La Diana	
DIE	C	Dieng	
DIL		Dillon Ranch	
DILR		Dilar	
DIM		Dimitrovgrad	
DIP	C	Dipolog	
DIR	C	Diamond Ranch	
DIV		Divide	
DIW		D'Urville Island	
DIX		Grande Dixence	
DIXR		Dixie Hot Springs	
DIY		Diyarbakir	
DJA		Jakarta	
DJE		Delta Junction E	
DKM		Kilmashogue	
DKP		Demirköprü	
DL−	C	Dell Rapids	
DL2		Dalian	
DLA		Delaware (Ont)	
DLAR		Dell	
DLB		Dease Lake	
DLBC		Dease Lake	
DLBQ		Dalbeg	
DLC		Deerlick Creek	
DLE	C	Lyons Estate	
DLF		Lyons Farm	
DLG	C	Dolgoi Island	
DLH	C	Dalhousie	
DLM		Delamar Mts	
DLN	C	Dalton (NSW)	
DLS	C	Dallas	
DLT	C	Dalton (Cal.)	
DLY	C	Dezadeash Lake	
DMA		Devil Mountain	
DMB		Deadman Bay	
DMD	C	Domodossola	
DMI	C	Des Moines	
DMK		Demirköy	
DMMT	C	Dalton Mountain	
DMN		Daman	
DMP	C	Diadem	
DMPK		Deadman Peak	
DMS		Dublin Merrion	
DMT	C	Demirtaş	
DMU		Kingscourt	
DMUB		Kingscourt	
DMV		Demmitville	
DMW		Delta Microwave	
DND	C	Dunedin−Penfold	
DNG	C	Daru	
DNGQ		Doongara	
DNH		Durham (NH)	
DNM	C	Dulce	
DNN	C	Dannevirke	
DNP		Denpasar	
DNS	C	Denniston	
DNT	C	Denton	
DNY	C	Dersam	
DNZ		Dunedin	
DOBS		Dobrina	
DOC	C	Dochia	
DOCK		Docker River	
DOD		Dodoma	
DOG		D. Capesterre	
DOI		San Damiano	
DOL		Dolgoi Island	
DOM		Dominica	
DOMF		Dompierre	
DOMO	C	Domo	
DON		Dongola	
DOO		Doolan Road	
DOR	C	Dorot	
DOS	C	Dos Bocas Dam	
DOT		Dot Lake	
DOU		Dourbes	
DOWB	C	Downie Slide	
DOY		Duke of York I.	
DP−	C	Deposit	
DP1		Deserto P. S.	DPS
DPC		Dobruška−Polom	
DPI		Dunn Peak	
DPLY		Delli Paoli	
DPM	C	Delmo Park	
DPMT		Pointe Michel	
DPQ		Saint Jean	
DPRB	C	Downie Pk Ridge	
DPS		Deserto P. S.	
DPW		Davenport	
DR−	C	Durango	
DR01		Juana Núñez	
DR03		Pinalito	
DR04		Monte Llano	
DR05		La Lomota	
DR06		La Diferencia	
DR08		Loma La Naviza	
DR1		Juana Núñez	DR01
DR11		La Yayitas	
DR12		Loma Yerba B.	
DR15		Siete Picos	
DR3		Pinalito	DR03
DR4		Monte Llano	DR04
DR5		La Lomota	DR05
DR6		La Diferencia	DR06
DR8		Loma La Naviza	DR08
DRA		Drăgăşani	
DRB	C	Dursunbey	
DRC		Dorchester	
DRE		Drenchia	
DRGI		Dragot	
DRIA		Deer Island	
DRLN		Deer Lake	
DRN		Derbent	
DRP		Derazinda	
DRR		Drăgan	
DRRA	C	Deer Island	
DRT		Dartmouth	
DRTN		Dyersburg	
DRV		Dumont d'Urville	
DRWC		Darouich	
DRZ		Dome Shelter	
DSB		Dublin	
DSC		Scotts Head	
DSD2		Dead Sea Dam 2	
DSG	C	Desaguadero	
DSH		Dushanbe	
DSI		Dead Sea	
DSK	C	Disk Island	
DSN	C	Dusing	
DST		Dursunbey	
DSVT		Soufrière Village	
DSZ		Denniston North	
DT1		Dutton	
DTM	C	Carnegie Inst.	
DTMT		Tete Morne	
DTN		Dwight	
DTNA		Dutton	
DTP		Desert Park	
DU−	C	Durant	
DUB	C	Rathfarnham	
DUC		Durate Ranch	
DUG		Dugway	
DUI		Duronia	
DUL	C	Duluth	
DUN		Dundo	
DUR		Durham	
DUS		Dusheti	
DUT		Dutch Harbor	
DUX		Duxbury	
DV−	C	Death Valley	
DVD		David	
DVL	C	Devil Canyon	
DVO		Downsview	
DVP		Devils Point	
DVR		Devrek	
DVT	C	Derby	
DVW		Davenport	
DWM		Dogwood	
DWP		Davao	
DWPF		Disney	
DWU		Dry Willow Peak	
DWY		Dawson City	
DY−	C	Dry Ridge	
DY1	C	Dyersburg	
DY2	C	Lassiter	
DY3	C	Tiptonville	
DY4	C	Samburg	
DY5	C	Near Lassiter	
DYA		Yadsworthy	
DZE		Dzherino	
DZH	C	Dzhafr	
DZI		Dzhizak	
DZM		Mont Dzumac	
DZT	C	Dzhirgatal'	
E			
EAB		Aberfoyle	
EAFB		Elmendorf Base	
EAG		Eagle Mountain	
EALH		Alhama de Murcia	
EAM		Ear Mt.	
EAN	C	East Aurora	
EAU		Auchinoon	
EB−	C	East Braintree	
EBAN		Baños Encina	
EBG		Ellensburg	
EBH		Black Hill	
EBI		Elk Butte	
EBL		Broad Law	
EBM		Esen Bulak	
EBN		Edmundston	
EBR		Ebro Roquetas	
EBS		Eagle Butte	
EBZ		Ebenezer	
ECA	C	El Cajon	
ECB		Carrickbyrne	
ECBX		El Chinero	
ECC	C	El Centro	
ECD	C	Elk Chute Ditch	
ECEN		Cerro Negro	
ECF		Echo Falls	
ECH		Echery	
ECHE		Chera	
ECK		Cauldkaine Hill	
ECM		Ellicott City	
ECO		Colón	
ECO2		Colón	
ECOG		Cogollos−Vega	
ECP		Carnsore Point	
ECRI		Cripán	
ECT	C	Ellsworth	
ECX		Ensenada	
ECZ	C	East Cape	
ED−	C	Edgewood	
EDB		Eliza Dome	
EDC		Edincik	
EDC*	C	EscuelaIngeniería	
EDEN		Eden	
EDI		Edinburgh	
EDIT		Edith	
EDK		El Dorado	
EDM		Edmonton	
EDO		Endilloe	
EDR		Drumtochty	
EDT		Edincik	EDC
EDU		Dundee	
EDY		Kabakon Is	
EEO		Eldee	
EF−	C	Eagle Flat	
EFI		East Falkland Is	
EFO		Effingham	
EGC	C	Eagle	
EGD		Espegrend	
EGI		Egilsstadhir	
EGL	C	Gala Law	
EGL1		Gala Law	
EGM		G Santa Clara	
EGN	C	Eagle's Nest	
EGR	C	Empire Grade Rd	
EGRA		Graus	
EGUA		Güajares	
EGX		Santa Clara	
EHOR		Hornachuelos	
EHUE		Huéscar	
EHV		El Hato	
EIC		Easter Island	
EIL		Elat	
EJC		Estación Juárez	
EJIF		Jimena Frontera	
EJIM	C	Jimena Frontera	
EK−	C	Eureka (L)	
EKA		Eskdalemuir Ar.	
EKB		Eskdalemuir	
EKB4		Eskdalemuir B4	
EKC		Ekona	
EKH		Elkhorn Ranch	
EKN		Konogogo	
EKO		Elko	
EKR		Elk River	
EL−	C	Ellensburg	
ELA	C	Elâziğ	
ELB		Lambom Is	
ELC		Elco	
ELD		Ethyl L. Duckett	
ELDT		Eldivan	
ELF		Elginfield	
ELI	C	Elizabethville	
ELIJ		Sierra de Lijar	
ELIZ		Elizondo	
ELK		Elko	
ELL		Elmali	
ELM	C	Elma	
ELMC		El Mirage	
ELMO		Cerro Moro	
ELMT		Elliston	
ELN		Prospectdale	
ELNV		Ellenville	
ELO		Logie Almond	
ELOJ		Sierra Loja	
ELP		El Pangue	
ELPA		Fila Paraiso	
ELQ	C	El Quisco	
ELRC		Elmore Ranch	
ELS		Elsinore Mt.	
ELT		Yel'tsovka	
ELUQ		Luque	
ELV	C	Elvey	
ELVI		Sierra Elvira	
ELY	C	Ely	
ELYF		Elaudy	
ELZ	C	Elâziğ	
EM−	C	Emporia	
EMA		Elm	
EMAL		Málaga−Limonero	
EME		Emae	
EMEL	C	Melilla	
EMI		Eightmile Canyon	
EMK		Emporia	
EMM	C	East Machias	
EMMT	C	East Machias	
EMN		Eldorado Mts	
EMO	C	Emosson	
EMON		Mondoñedo	
EMS		Emosson−Mur	
EMSC		East Mesa	
EMT		Emmet	
EMUT		Emma Park	
EMX		El Mayor	
EN−	C	Ellsinore	
ENG	C	Engineer Hill	
ENGI		Ein Gedi	
ENH		Enshi	
ENIJ		Níjar	
ENN	C	Epen	
ENR		Entracque	
ENSF	C	Ens	
ENT		Entebbe	
ENX		Ensenada	
EO1		Edge Oya	
EP−	C	El Paso	
EPA		Esparza	
EPF		Esparros	
EPH		Ephrata	
EPI		Epi	
EPLA		Plasencia	
EPM		Echo Peak	
EPMB	C	Univ. Columbia	
EPMC		Merrill Creek	
EPR		E Paranagat Ra.	
EPRU		Pruna	
EPT		El Paso	
EPU		East Promontory	
EPW		Ephrata	
EQUE		Quéntar	
ER1		Erice	ERC
ERB	C	Rabaul (IGS)	
ERC		Erice	
ERCT		Erciyes	
ERD	C	Erdek	
ERE		Yerevan	
ERI	C	Eureka Ridge	
ERIP		Rio Piedras	

Code		Station Name	Other Code
ERK		Elk Rock	
ERM		Erimo	
ERMT	C	East Ridge	
ERN	C	Ernestine	
ERNS		Erzin	
ERON		Agrón	
EROQ		Roquetas del Mar	
ERP		Erie	
ERPC		Ernies Place	
ERR		Err	
ERS		Ellisras	
ERT	C	Erto−Casso	
ERUA		La Rúa	
ERW		Mount Erie	
ERZ	C	Erzurum	
ERZT	C	Erzurum	
ES−	C	Espanola	
ESA		Esa−ala	
ESB		Esa−ala	
ESC	C	El Salvador	
ESCF		Escot	
ESD		East Dome	
ESDC		Sonseca Array	
ESE		Esentepe	
ESEL		Selva	
ESGS		El Segundo	
ESH		Esan	
ESK		Eskdalemuir	
ESLA		Sonseca Array	
ESLB		Sonseca Array	
ESLC		Sonseca Array	
ESLD		Sonseca Array	
ESLE		Sonseca Array	
ESLF		Sonseca Array	
ESLG		Sonseca Array	
ESM		Semalu	
ESO		Esso	
ESP		Espenschied	
ESR		Escape Road	
EST		Estancia	
ESU	C	Esutoru	
ESY		Stoneypath	
ET2		Eltopia	
ET3		Eltopia	
ETA		Tara	
ETB		Estevan Point	
ETC		El Centro	
ETER		Terradas	
ETG		Eatonton	
ETOR		Torete	
ETP		Eltopia	
ETS	C	Engine Test	
ETSF		Etsaut	
ETT		Etowah	
ETU	C	E Traverse Mts	
ETV		Tovanakuss	
ETW		Entiat	
EU−	C	Eutaw	
EU2		Eutaw	
EUC		Eureka Canyon	
EUM		Eureka Mesa	
EUR		Eureka	
EUW		Eureka	
EVA	C	Evander	
EVAL		Valverde	
EVE		Everglades	
EVIA		Vianos	
EVR		Evrytania	
EVV		El Vigía	
EVZ		Mount Varzin	
EW−	C	Eniwetok	
EWC		East Canyon	
EWT		Watom Island	
EWZ		Erewhon	
EXSG		Experimental Stn	
EY−	C	Ely	
EY2		Ely	
EYL		Eskiyayla	
EYMN		Ely	
EYP	C	El Yunque	
EZAM		Zamans	
EZC		Erzincan	
EZN		Ezine	
F			
FA1		Favara	FAI
FAB	C	Fabrichnaya	
FAC		Fajã de Cima	
FAE	C	Faenza	
FAI		Favara	
FAM	C	Famagusta	
FAN	C	Fanning Island	
FAR		Faro	
FARB		Farallon Is.	
FARG	C	Farmington	
FARM		Veracruz	
FAT		Fatmalar	
FAV		Fayetteville	
FAY	C	Fayetteville	
FBA	C	Fairbanks	
FBAL		Fairbanks	
FBAS		Fairbanks	
FBB		Freiburg	
FBC	C	Frobisher Bay	
FBK	C	Fairbanks	
FBMT		Ferry Basin	
FBN		Frobisher Bay	
FBO		Farmers Butte	
FBR		Fabra	
FBT		Foumbot	
FCC		Fort Churchill	
FCH		Farellones	
FCN	C	Frijoles Canyon	
FCV		Fort Charlotte	
FDA		Foz do Areia	
FDA5		Foz do Areia Res.	
FDF		Fort de France	
FDKY		Freedom	
FDU		Ford Ridge	
FEA	C	Feather Falls	
FEF		Fern Forest	
FEL	C	Feldberg	
FELD		Feldberg	
FEN		Shenyang	
FEO		Feodosiya	
FER		Ferndale	
FERN		Isla Fernandina	
FERR		Ferguson	
FFC		Flin Flon	
FG1		Foggia	FGG
FG2		Serracapriola	
FG3		Mte Sant'Angelo	
FG4		Candela	
FG5		Orsara di Puglia	
FGG		Foggia	
FGO		Fuego	
FGO2		Fuego 2	
FGTN		Flat Gap	
FGTQ		Fig Tree	
FGU	C	Flaming Gorge	
FH−	C	Fort Sherman	
FHC		Fickle Hill	
FHMC		Merrill Creek	
FHO	C	Fitzroy Harbor	
FIA0		FINESS Array	
FIB		Fire Island	
FID		Port Fidalgo	
FIG		Monte Figo	
FIL		Fillmore	
FIN		Finale Ligure	
FINC		Finschhafen	
FINES		FINESS Array	
FIPE		Fila de Piedra	
FIR		Firenze	
FIS		Fire Island	
FISA	C	Sacuragua	
FITX	C	Fitzroy Crossing	
FITZ		Fitzroy Crossing	
FK−	C	Franktown	
FKBC		Forrest Kerr	
FKI		Failaka Island	
FKJ		Fukue	
FKK		Fukuoka	
FKO		Franklin	
FKS		Fukushima	
FL−	C	Fort Nelson	
FL2		Flat Top 2	
FLA	C	Flat	
FLAG		Flagstaff	
FLAS		Fullerton Airport	
FLE	C	Fletcher	
FLET		Fletcher	
FLG	C	Flagstaff	
FLK		Falkland Is	
FLKY		Flemingsburg	
FLN		La Folinière	
FLO	C	Florissant	
FLOC		Florencia	
FLOM		Florida	
FLOR		Flores Is	
FLP		Featherly Pass	
FLR	C	Fall River	
FLSC		Flash Two Peak	
FLT		Fleetwood	
FLU		Fool Peak	
FLW	C	Foulwind	
FM−	C	Fillmore	
FMA		Fort MacArthur	
FMC		Four Mile Canyon	
FMF	C	Francis Marion	
FMKY		Fulgham	
FMT		Funeral Mts	
FMTX		Flower Mountain	
FMW		Mount Fremont	
FN−	C	Franklin	
FNA		Florina	
FNBC		Fort Nelson	
FNC	C	Finlay Fork	
FNDO	C	F. de Noronha	
FNN	C	Franconia Notch	
FNO		Franklin	
FNT	C	Hobart	
FO−		Fort Stockton	
FOA	C	Forni Avoltri	
FOC		Focşani	
FOG		Foggia	FGG
FOL	C	Foligno	
FONT		Fontmartina	
FOO		Florø	
FOR	C	Fordham	
FORC		Fortuna	
FORR	C	Forrest	
FORT		Forrest	
FOT		Fontinhas	
FOUF		Fouillouse	
FOX		Fox Creek	
FOXC		Fox Airport	
FPN	C	Fairview Park	
FPN1	C	Fairview Park	
FPU		Francis Peak	
FPW		Fields Point	
FR−	C	Forsyth	
FRA		Furnas	
FRB		Frobisher Bay	
FRC	C	Federal Ranch	
FRE	C	Fresno	
FRF		La Forêt Royale	
FRG		Fergana	
FRGC		Fargo Canyon	
FRI		Friant	
FRK		Frink	
FRM	C	Flat River	
FRN	C	Fernie	
FRO		Frøya	
FRP		Fremont Peak	
FRR	C	Firariana	
FRS		Fauresmith	
FRT		Faratahi	
FRTX		Fuller Ranch	
FRU		Bishkek	
FRV		Farmville	
FRZ		Fierza	
FS−	C	Flagstaff	
FS1		Fosdinovo	FSI
FSA		Cafayete	
FSB		Fort Saint James	
FSC		Fuscaldo	
FSI		Fosdinovo	
FSJ	C	Fort Saint James	
FSP	C	False Pass	
FST		Fort Simpson	
FST1	C	Fort Simpson	
FSU		Fish Springs	
FT−	C	Fort McLeod	
FTA		Fortuna	
FTB		Fîntînele	
FTC		Fort Tejon	
FTM		Fortuna Mine	
FTR		Fort Ross	
FTW		Fairmont	
FUB	C	Fube	
FUG		Fuego 3	
FUK		Fukui	
FUL		Funchal	
FUN		Funatsu	
FUQ		Fúquené	
FUR		Fürstenfeldbruck	
FURI		Furi	
FUT		Futatsui	
FVI		Forni Avoltri	
FVM		French Village	
FWS		Furtwangen	
FWV		Forest Hill	
FX1		Attu Island−Fox	
FY1		Fort Yukon	
FY2		Fort Yukon	
FY3	C	Fort Yukon	
FY4	C	Fort Yukon	
FY5		Fort Yukon	
FYU		Fort Yukon	
G			
GAB	C	Gabbs	
GAC		Glen Almond	
GACM		Adobe Creek	
GAF		Gafsa	
GAI		Gainesville	
GAL		Galerazamba	
GALE	C	Galera	
GAM		Garm	
GAN	C	Gretna	
GANF		Ganagobie	
GAP		Garmisch−P.	
GAR		Garm	
GARI		Garurganga	
GARM		Arbuckle	
GARN		Garrison	
GAS		Alder Springs	
GAU	C	Ngau Island	
GAV		Glen Avon	
GAXM		Alexander Valley	
GAY	C	Galvasay	
GAZ		Gaziantep	
GB01		Guatemala OBS 1	
GB02		Guatemala OBS 2	
GB03		Guatemala OBS 3	
GB04		Guatemala OBS 4	
GB05		Guatemala OBS 5	
GB06		Guatemala OBS 6	
GB07		Guatemala OBS 7	
GB08		Guatemala OBS 8	
GBA		Gauribidanur Ar.	
GBC	C	Guantanamo Bay	
GBD	C	Granbergs Dal	
GBDM		Big Darby	
GBF	C	Grand Ballon	
GBG		Greensboro	
GBGM		Boggs Mountain	
GBI		Big Grassy Butte	
GBL		Gable Mountain	
GBM	C	Granite Butte	
GBMM		Baldy Mt.	
GBN		Guysborough	
GBNC		Greensboro	
GBO	C	Fort Gibson	
GBOM		Black Oak	
GBR		Grand−Bara	
GBT		Gilbert	
GBTN		Greenback	
GBV		Green Bank	
GBY		Granite Bay	
GBZ	C	Great Barrier	
GBZT		Gebze	
GC−	C	Glacier Peak	
GCA	C	Glen Canyon	
GCAZ		Grand Canyon	
GCBM		Chamberlain Rge	
GCC		Granite Creek	
GCD		Castle Douglas	
GCG		Guatemala City	
GCL		Cushendall	
GCM		Grand Cayman	
GCMM		Cobb Mountain	
GCMT		Greycliff	
GCR		Grayling Creek	
GCRM		Castle Rock Spr.	
GCVM		Cloverdale	
GCW	C	Grand Coulee	
GCWM		Cow Mountain	
GCY		Glen Cove	
GD−	C	Grundy	
GDCM		Dry Creek	
GDH		Godhavn	
GDL2		Guadelupe Mt.	
GDM		Grand'Maison	
GDR		Gold River	
GDXM		Geysers	
GE−	C	Globe	
GEB	C	Gebze	
GEC2		GERESS C2	
GECU	C	Ecuador Network	
GED	C	Gedeh	
GED8		GERESS Array	
GED9		GERESS Array	
GEE	C	Geehi	
GEG	C	Gegechkori	
GELF		Grande−Etoile	
GEN	C	Genoa	
GENL		Genova U.	
GEO		Georgetown	
GERES		GERESS Array	
GERM		Germantown	
GET	C	Gonen	
GF−	C	Goldfield	
GFA		Gafsa	
GFM		Grandfather Mt.	
GFN	C	Grafton	
GFP		Griffith Park	
GFTM		Plant 15	
GFW		Glenfield	
GG−		Gräfenberg Ar.	GRF
GGC		Guía Canaria	
GGF	C	Granges−G.	
GGLM		Glenview	
GGN		Saint George	
GGP		Guagua P.	
GGPM		Geyser Peak	
GGUM		Gualala	
GGV	C	Gabriel G. Videla	
GHA		Glashutten	
GHAN		Ghanteswor	
GHAT		Ghardimaou	
GHC		Gold Hill	
GHCM		House Creek	
GHGM		Hogback Ridge	
GHI	C	Gilbert Hill	
GHLM		Highland Springs	
GHMM		Hull Mountain	
GHO		Glory Hole Creek	
GHOM		Hamilton	
GHS		Gilroy Springs	
GHV		Goochland	
GHVM		High Valley	
GHW		Garrison Hill	
GHZJ		Ghuzeima	
GI−	C	Glendive	
GIA	C	Geophysical Inst.	
GIB		Gibilmanna	
GIBL		Gibalbín	
GIE		Galapagos Is	
GIF		Gifu	
GIL	C	Gilmore Creek	
GILB		Gilboa	
GILD	C	Guildford	
GIM		North Isle of Man	
GIN		Stromboli−G	
GIO		San Gregorio	
GIP	C	Gileppe	
GIRL		Giralia	
GIS	C	Gissar	
GIVF		Givet	
GIZ		Gizo	
GJC	C	Grand Junction	
GJRN		Ganjari	
GKA	C	Goroka	
GKC		Gold King Creek	
GKN		Gorkhā	
GL−	C	Garland	
GL2		New Goldendale	
GLA		Glamis	
GLB		Gilahina Butte	
GLC	C	Glacier Island	
GLD		Golden	
GLE	C	Glenmuick	
GLH		Golan−Tel Qazir	
GLI		Glacier Island	
GLK		Glacier Lake	
GLM		Gilmore Dome	GLN
GLN		Gilmore Dome	
GLO		Gloucester	
GLOV		Gloversville	
GLP		Gölpazarı	GPA
GLR		Groom Lake Rd	
GLS	C	Giles	

Code		Station Name	Other Code
GLST		Glass	
GLT		Gallatin	
GM−	C	Guantanamo	
GMA	C	Granite Mountain	
GMB		Gambarie	
GMC		Macagua	
GMCM		McLaughlin	
GMG		Grassy Mountain	
GMI	C	Garnes Mountain	
GMK		Mull of Kintyre	
GMKM		Mount Konoctai	
GMM		Mts of Mourne	
GMN		Gold Mountain	
GMO		Grizzlie Mountain	
GMOM		Moffitt Ranch	
GMR		Groom Range	
GMTN		Garret Mountain	
GMU		Granite Mountain	
GMW		Gold Mountain	
GN−	C	Gnome	
GNAM		Navarro Ridge	
GNF		Goodnow Flow	
GNG		Grange	
GNI		Garni	
GNM		Golden	
GNN	C	Gunnerudssatern	
GNO		Genoa	
GNT		Gentilly	
GNZ		Gisborne	
GO−	C	Gordon	
GOA		Goa	
GOB		Galiano Island	
GOBY		Gobbelet	
GOC		Griffith Obs.	
GOGA		Godfrey	
GOIL	C	Rosebud	
GOL	C	Golden	
GOR		Gori	
GOT	C	Göteborg	
GOU		Gould Hall	
GOV	C	Govalcot	
GOY	C	Gornyy	
GOZ	C	Gozaisho	
GP−	C	Grand Rapids	
GPA		Gölpazarı	
GPD		Greenpond	
GPMM		Pine Mt.	
GPO		China Lake	
GPZ	C	Gebbies Pass	
GQP		Gqp	
GR1TX		Grit	GRI*
GR2		Grit	
GRA	C	Graz	
GRA1		Gräfenberg Ar.	
GRA2		Gräfenberg Ar.	
GRA3		Gräfenberg Ar.	
GRA4		Gräfenberg Ar.	
GRAI		Grandview Point	
GRB1		Gräfenberg Ar.	
GRB2		Gräfenberg Ar.	
GRB3		Gräfenberg Ar.	
GRB4		Gräfenberg Ar.	
GRB5		Gräfenberg Ar.	
GRBF		Gourbit	
GRC		Garchy	
GRC1		Gräfenberg Ar.	
GRC2		Gräfenberg Ar.	
GRC3		Gräfenberg Ar.	
GRC4		Gräfenberg Ar.	
GRCI		Grant Creek	
GRDS		Las Granadillas	
GRE		Grenada	
GRF		Gräfenberg Ar.	
GRFO		Gräfenberg	
GRG		Griva	
GRH	C	Grahamstown	
GRI		Girifalco	
GRI*	C	Grit	
GRJ	C	Gorje	
GRK	C	Goroka	
GRK1		Goroka	
GRM		Grahamstown	
GRN		Grenoble	
GRN*	C	Grenoble	
GRNM		Rancho Navarro	
GRO		Groznyy	
GROM		Round Mt.	
GROR		Grindstone Mt.	
GRP		Granite Pass	
GRQ		Grand Remous	
GRR		Gorron	
GRS		Goris	
GRT		Gratio	
GRTM		Round Top Mt.	
GRV	C	Greenville	
GRW		Mt St Catherine	
GRX		Grover	
GRY	C	Greymouth	
GS−	C	Grantsville	
GSC		Goldstone	
GSCY		Girl Scout Camp	
GSGM		Seigler Mt.	
GSH		Grosshau	
GSI		Gumong Sitoli	
GSM		Grass Mountain	
GSMM		Socrates Mine	
GSNM		Snow Mountain	
GSP	C	Gladstone Stream	
GSQ		Grosses Roches	
GSR		Reston−USGS	
GSSM		Skaggs Springs	SKG
GSTB	C	Goldstream Park	
GSUT	C	Gun Site Pk	
GSZ	C	Glacier Shelter	
GT−	C	Galeton	
GT2		Goat Mountain	
GTA		Gaotai	
GTD	C	Georgetown	
GTN	C	Gotemba	
GTO		Geraldton	
GTRI		Great Rift	
GTSM		Trough Springs	
GTT		Göttingen	
GUA		Guam	
GUAC		Guacamaya	
GUAL		Guallil	
GUAM	C	Guam	
GUAN		Valle Guanape	
GUB		Guba	
GUD		Guadarrama	
GUI		Guimar	
GUL	C	Gulkana	
GULW		Guler Mountain	
GUM		Guadalajara	
GUM2		Guadalajara 2	
GUMO		Guam (SRO)	
GUN		Gumba	
GUO		Oaxaca	
GUT		Gutenstein	
GUV		Guri	
GV−	C	Grapevine	
GVA		Apache Junction	
GVI	C	Bet Guvrin	
GVL		Greenvale	
GVMR		Giv'at Hamore	
GVN		Grapevine	
GVR		Green Valley Rd	
GVRC		Garvey Reservoir	
GVS	C	Graniteville	
GWC	C	Great Whale R.	
GWDE		Greenwood	
GWF		G. Wintersberg	
GWH		Guwahati	
GWJ		Greenwich	
GWKM		Walker Ridge	
GWR		Great Whale R.	
GWRM		Wonder Ranch	
GWV	C	Greenwater V.	
GWY		Greenwater V.	
GY−	C	Gaylord	
GYA		Guiyang	
GYM		Guaymas	
GYN		Göynük	
GYO		Guyot Hills	
GZH		Guangzhou	
GZI		Ganzirri	
GZN	C	Ground Zero	
GZR		Gura Zlata	
GZS		Gozaisho	GOZ
GZTT		Gaziantep	
GZU		Grizzly Peak	
H			
HAB	C	Haboro	
HAC		Hachinohe	
HACJ		Hachinohe 2	
HAD		Hassan Addkhil	
HAE		Alders End	
HAF	C	Haifa	
HAG		Hague Volcano	
HAH		Håhryggur	
HAI	C	Haiwee Res.	
HAJJ		Hajja	
HAK		Hakodate	
HAKJ		Hakodate 2	
HAKY		Hadley Quad	
HAL		Halifax	
HAM		Hamburg	
HAMM		Hamman Mousa	
HAMO		Hamaker Mt.	
HAN		Hanford	
HAR	C	Hartford	
HARN		Harre	
HARZ		Haroharo	
HAS	C	Hastings	
HAT		Hattorf	
HATI		Hayti	
HATJ		Hateruma jima	
HATZ		Hinemaiaia	
HAU		Haudompre	
HAV	C	Havilah	
HAVE		Haverstraw	
HAWK		Haweek	
HAWT		Hathaway	
HAY		Hayfield	
HAYW		Haystack Fork	
HAZM		Anzar Road	ANZ
HB−	C	Hobart (Okla)	
HBA	C	Halley Bay	
HBC	C	Horseshoe Bay	
HBF		Harts Bluff	
HBH		HawaiianBeaches	
HBL2		Bonnylands	
HBM		Hobart Mills	
HBMT		Mount Humbug	
HBO		Huckleberry Mt.	
HBR		Haibara	
HBT		Hobart Mills	
HBTM		SanJuan Bautista	
HBV		Harrisonburg	
HBVN		Hoa−Binh	
HBVT		Hinesburg	
HBZ		Hicks Bay	
HCAM		Canada Road	CDC
HCBM		Chamberlain	CBC
HCC	C	Holy Cross	
HCG		Craig Goch	
HCI		Hatchie Coon I.	
HCK		Huntoon Valley	
HCO		Huánuco	
HCOM		Corn Cob Canyon	
HCPM	C	Crevison Peak	
HCR		Hot Creek Range	
HCRM		Chase Ranch	CSR
HCU	C	Horse Canyon	
HCY		Herceg Novi	
HCZM		Cordoza Dairy	
HD−	C	Howard	
HDA		Harding Lake	
HDC	C	Heredia	
HDC2		Heredia 2	
HDG		Hidalgo Mountain	
HDH		Heidenheim	
HDK	C	Hidaka	
HDLM		Dillon Ranch	DIL
HDM	C	Haddam	
HDQ	C	Headquarters	
HDU		Hyde Park	
HDW		Hoodsport	
HE−	C	Hempstead	
HEA		Headley	
HED	C	Hedekas	
HEE	C	Heerlen	
HEI		Heidelberg	
HEL		Helsinki	
HELC		Santa Helena	
HEN		Hengchun	
HENT		Hendek	
HER	C	Hermanus	
HERM		Elkhorn Road	
HET	C	Houston − E.T.	
HEX		Exmoor	
HFEM		San Felipe	SFL
HFHM		Flint Hills	
HFPM		Fremont Peak	FRP
HFS		Hagfors	
HGA		Collinsville	
HGB		Hanford Gable B.	
HGH		Gray Hill	
HGJ		Hongo	
HGN		Heimansgroeve	
HGP	C	Huxley Gorge	
HGSM		Gilroy Springs	GHS
HGWM		Gilroy West	
HH−	C	Hannah	
HH2		Hannah	
HHAI		Hells Half Acre	
HHC		Hu−ho−hao−te	
HHH		Horse Heaven H.	
HHI	C	Harmony Heights	
HHM	C	Hungry Horse	
HHP	C	Hogget Hill	
HHT	C	Hurricane Hollow	
HHWY		High Hoyland	
HIA		Hailar	
HIC		Hidaka−Cho	
HID	C	Hamer Butte	
HIER		Hierbabuena	
HIG		Hawaii Inst. Geo.	
HII	C	Heard Island	
HIK		Hikone	
HIL		Hilo	
HIM		Himeji	
HIN		Hinchinbrook I.	
HINF		Hinteralfeld	
HIR		Hiroshima	
HIR1		Hiroshima	
HIRJ		Hiroshima 2	
HITJ		Hittiya	
HITZ		Hingarae	
HJA		Humahuaca	
HJGM		San Juan Grade	
HJH		Honjō	
HJJ		Hachijō jima	
HJSM		John Smith Road	
HJY		Honjō	HJH
HK−	C	Hawk Springs	
HKC		Hong Kong	
HKI		Fushiki	
HKL		Haleakala	
HKM	C	Hinckley	
HKN		Hawks Nest	
HKP	C	Hidden Lake	
HKRM		Kincaid Ranch	
HKT		Hockley	
HL−	C	Hailey	
HL2		Hailey	
HLA	C	Hall's Lagoon	
HLBJ		Hallabat	
HLD		Halaksitan	
HLE		Halle	
HLG		Helgoland	
HLGA		Haflong	
HLH		Cerro de Hule	
HLID		Hailey	
HLJ		Hailstone	
HLK		Haleakala	
HLL	C	Cape Hallett	
HLM	C	Helmville	
HLN		Hualilan	
HLP		Hilina Pali	
HLR	C	Highland Ranch	
HLT		Holt	
HLTM		Lone Tree Road	LTR
HLW		Helwan	
HLZ		Helez	
HM−	C	Hundred Mile H.	
HMB	C	Hamburg	
HMC	C	Holland Mills	
HMCY		Holy Mt Cemetery	
HMD		Hamada	
HMDT		Nahal Hemdat	
HMH		Humuula	
HMK		Himekami	
HML	C	Hamilton	
HMM		Hamamatsu	
HMMJ		Hamamatsu 2	
HMN		Homestead Nat.	
HMNA		Hamren	
HMO		H. Mason	
HMOM		Monterey	MTR
HMR		Hamilton Ranch	
HMT		Hamilton	
HMTJ	C	Hamta	
HN−	C	Houlton	
HNB		Haney	
HNG	C	Hongo	
HNH		Hanover	
HNL	C	Honolulu (M.)	
HNM	C	Heniu Mare	
HNME	C	Houlton	
HNR		Honiara	
HNV		Hanoi	
HNY	C	Hamilton	
HNZ	C	Havelock North	
HOBC		El Hobo	
HOD		Hodge	
HOF		Hof	
HOFF		Hoffen	
HOGG		Hoggard's Bluff	
HOGH		Ho	
HOH	C	Hohenheim	
HOI		Hoima	
HOJ		Hope	
HOJA		Cerro de Hojas	
HOK		Hohkeppel	
HOLB		Holberg	
HOM		Homer	
HON		Honolulu	
HONU		Honeyville	
HOO		Hiroo	
HOOJ		Hiroo 2	
HOP	C	Hope Bay	
HOPE		Hope Pt	
HOPS		Hopland	
HOQC		Horqueta	
HOR		Horta	
HORM		O'Connell Ranch	OCR
HOT		Hot Springs Mt.	
HOU		Houston	
HOW		Howrah	
HPE		Pembroke	
HPHM		Park Hill	PKH
HPI		Howe Peak	
HPK		Haverah Park	
HPKT	C	Knoxville	
HPLM		Pacheco Lake	PCL
HPO		Honuapo	
HPP	C	Hepp	
HPRM		Peckham Road	PKC
HPU		Hale Pohaku	
HQL		Ḥaql	
HQN		Harlequin Lake	
HQRH		Quien Sabe	QSR
HR−	C	Heber	
HRB		Hurbanovo	
HRC	C	Harris Ranch	
HRF		Holter Research	
HRI		Mt Hermon	
HRMC		Merrill Creek	
HRN		Horndal	
HRO		Hermiston	
HRSH		Kfar Ka'horesh	
HRT		Hereke	
HRV		Harvard	
HRY		Holter Research	
HS−	C	Hay Springs	
HSA		Swansea	
HSFM		St Francis Retreat	
HSH		Hashikami	
HSHJ		Hashīm	
HSI		Hsinkong	
HSJ		Hoshina	
HSK	C	Changchun	
HSLM		San Luis Dam	
HSN		Hsinchu	
HSO		Harness Mt.	
HSP		Hornsund	
HSPM		Sheep	
HSR		South Ridge	
HSS		Hokkaido Univ.	
HSW	C	Hot Spot	
HT−	C	Hastings	
HTC		Hot Caves	
HTCR		Hilton Creek	
HTL		Hartland	
HTMS		Hat Mesa	
HTQ		Hauterive	
HTR		Trewern Hill	
HTT		Hallett	
HTU		Hoyt Peak	
HTW		HaystackLookout	
HTY		Hatay	

Code		Station Name	Other Code
HUA		Huancayo	
HUES		Huehuecho	
HUG		Huitzitzil	
HUH		Hualalai	
HUIG		Huatulco	
HUL		Heiheiahulu	
HUN		Hundersingen	
HUO		Hudson	
HUR		Hurricane	
HUTI		Huta Ginjang	
HUTZ		Huka	
HUZ		Huaráz	
HV−	C	Havre	
HVA		Hanceville	
HVAR		Hvar	
HVC		Hernandez Valley	
HVD		H. Verwoerd Dam	
HVK	C	Hallstavik	
HVO		Hawaiian Volcano	
HVU		Hansel Valley	
HW−	C	Hawaii Island	
HWA		Hwalien	
HWD		Hollywood	
HWK		Hiawatha	
HWSI		Howe Scarp	
HWSM		Haiwe Spring S	
HWUT		Hardware Ranch	
HWV	C	Hinton	
HXI		Guiyang	
HY−	C	Hysham	
HYA		Høyanger	
HYB		Hyderabad	
HYC	C	Haney	
HYD	C	Hyderabad	
HYF		Humbligny	
HYS		Haystack Butte	
HYT		Haines Junction	
HYX		Hoyt Mine	
I			
IAA	C	In Amguel	
IAG		Inst. Agronom.	
IAS		Iaşi	
IBK		Innsbruck	
IBU	C	Ibuki Yama	
IC−	C	Ice Cap	
ICA		Ica	
ICI		Italian Canyon	
ICQ		Pointe Anglais	
ICR		Volcan Irazu	
ID1	C	Idaho Array 1	
ID2	C	Idaho Array 2	
ID3	C	Idaho Array 3	
ID4	C	Idaho Array 4	
ID5	C	Idaho Array 5	
IDA	C	Idaho Array	
IDC		Isla del Caño	
IDE		Isla Desecheo	
IDR		Idriss Premier	
IECU	C	Ecuador Network	
IFR		Ifrane	
IGL		Igloolik	
IGM		Isla Guadalupe	
IGT		Igoumenitsa	
IHA		Inst. Hidrografia	
IHC		Ixhuatan	
IHR	C	Ishihara	
IIA		Altzomoni	
IIB		San Bernardino	
IIC		Rita Coyotepec	
IID		Iida	
IIDJ		Iida	IIDJ
III		Iguala	
IIJ		Jocotitlán	
IIM		Instituto de Ing.	
IIO		Órganos	
IIP		El Pino	
IIS		IISEE	
IISM		Ciudad Serdán	
IIT		Tonantzintla	
IIZ		Mezontepec	
IJDJ		Iida	IIDJ
IJF	C	Juan Fernandez I.	
IK−	C	Ink	
IKJ	C	Ikusaka	
IKL		Şikli	
IKP		Inkopah	
IKZ		Isoka	
IL1		Eielson Array	
ILA		Ilan	
ILAR		Eielson Array	
ILB		Eielson Array BB	
ILG	C	Inge Lehmann	
ILI	C	Ili	
ILIM		Iliamna	
ILM		Iliamna	
ILN	C	Island Lagoon	
ILO	C	Iloilo	
ILT		Iul'tin	
ILW		Iliamna West	
IM3		Indian Mt. Ar.	
IMA		Indian Mountain	
IMG		Imagane	
IMI		Imperia	
IMK		Imi Mikki	
IMO		Isla Mona	
IMP		Imphal	
IMR	C	Isla Mona	
IMT		Isola di Marettimo	
IMU		Iron Mountain	
IMW		Indian Meadow	
IN1	C	Indiana Array	
IN2	C	Indiana Array	
IN3	C	Indiana Array	
IN4	C	Indiana Array	
INA	C	Iinan	
INC	C	Inchŏn	
INCN		Inchŏn	
IND		Independence	
INDC		Indio Hills	
INDN		Indianola	
INE		Iliamna NE	
INF		Infanta	
ING		Ingram Ranch	
INGI		Ingas	
INH		Isangel	
INK		Inuvik	
INMG		Inst. Geofisica	
INN	C	Innsbruck	
INR		Itanagar	
INS		Inspiration	
INU		Inuyama	
INV	C	Inveralochy	
INW	C	Iliamna NW	
INY		Ithaca	
IO−	C	Ione	
IPA		Ipanguacu	
IPE		Ipeti	
IPM		Ipoh	
IQQ		Iquique	
IR1		Iran LP Array	
IR2		Iran LP Array	
IR3		Iran LP Array	
IR4		Iran LP Array	
IR5		Iran LP Array	
IR6		Iran LP Array	
IR7		Iran LP Array	
IRC		Iron Canyon	
IRCI		INEL Research	
IRI		Irimote jima	
IRK		Irkutsk	
IRN		Iron Mountains	
IRS		Iris	
IRZ	C	Volcán Irazú	
IRZ2		Volcán Irazú 2	
ISA		Isabella	
ISAV		Santa Isabel	
ISCO		Idaho Springs	
ISE		Ise	
ISF	C	Isfjord	
ISH		Ishtion	
ISI		Ishigaki jima	
ISK		Istanbul−Kandilli	
ISN		Ishinomaki	
ISO		Isola	
ISP		Isparta	
ISQ		Mount Isa	
ISR		Istrita	
ISSF		Issarbe	
IST	C	Istanbul	
IST1	C	Istanbul	
ISU		Indiana Univ.	
ITA		Itatiaia	
ITB		Itaipu	
ITB1		Itaipu 1	
ITB7		Itaipu 7	
ITBT		Itumba	
ITG		Itzapa	
ITH	C	Ithaca	
ITKT		Itaka	
ITM		Ithomi	
ITO	C	Itō	
ITR		Itaparica	
ITU		Istanbul	
ITZ		Itezhi−Tezhi	
IVA		Berane	
IVAG	C	Clark Hill Res.	
IVE		Iliamna	
IVF	C	Ivanof Bay	
IVI	C	Ivigtut	
IVN	C	Inveralochy	
IVS		Iliamna South	
IVT	C	Ira	
IVY		Inveralochy	
IWK		Iwaki	
IWN		Iwanai	
IXC		Ixtacomitán	
IXG		Ixpaco	
IXT	C	Ixtapalapa	
IZI		Iznik	
IZK	C	Iizuka	
IZM		Izmir	
IZN	C	Iznik	
IZU	C	Izuhara	
IZU2		Izuhara 2	
IZUJ		Izuhara	
J			
JA−	C	Jasper	
JAA		Atsumi	
JAB		Ashibetsu	
JAC	C	Jacksonville	
JACH		Jahuel	
JAD		Aida	
JAG		Ashikaga	
JAH		Hinai	
JAI		Aioi	
JAJ		Awaji shima	
JAK		Akkeshi	
JALM		Almaden	AMC
JAM		Amami Oshima	
JAMA		Jama	
JAN		Janina	
JAO		Obara	
JAQ	C	La Grande 3	
JAR		Ashorobuto	
JARJ		Jarash	
JAS	C	Jamestown	
JAS1	C	Jamestown	
JAT		Jato	
JAU		Jaout	
JAW		Awa shima	
JAY		Jayapura	
JBCM		Bear Creek Road	LT15
JBGM		Bear Gulch	BGH
JBLM		Ben Lomond	
JBMM		Black Mountain	
JBO		Jordan Butte	
JBQ		La Grande 3	
JBT		Biratori	
JBZM		Buzzard Lagoon	
JCBM		Chesbro Res.	CBO
JCH		Chū rui	
JCHM		Cahill Ridge	
JCK		Jackerath	
JCM		Jocotitlán	
JCN		Nagara	
JCPM		Coyote Point	
JCQ		La Grande 3	
JCR		Jicaral	
JCT		Junction City	
JCW		Jim Creek	
JDN		Jardín	
JDRJ		Daraweish	JRDJ
JE−	C	Jena (USA)	
JECI		Jenson Cabin	
JECM		Eureka Canyon	EUC
JEF		Cerro Jefe	
JEG		Eigenji	
JEGM		El Granada	
JEHI		Jehsanih	
JELM		Ellicott	
JEM		Erimo	
JEN	C	Jena	
JER	C	Jerusalem	
JET		Tanbara	
JEW		Eniwo	
JFA		Akaike	
JFK		Kawauchi	
JFM		Mihama	
JFO		Juiz de Fora	
JFR		Furan	
JFS		Joseph F. Staten	
JFT		Otama	
JFU		Fukue jima 2	
JFWS		Jewell Farm	
JFY		Yanaizu	
JGF		Kuroka	
JGI		Juniper Gulch	
JGK		Kuni	
JGM		Miyama	
JGN		Niukaw	
JHA		Jbel Lahdid	
JHC		Johnson Can.	
JHD		Hondo	
JHE		Heguri	
JHG		Hegura jima	
JHI		Jorhat	
JHIK		Hikimi	
JHJ	C	Hachijō jima 2	
JHJ2		Mitsune	
JHK		Hiroka	
JHLM		Holstrom Ranch	
JHLN		Al Jahlan	
JHM		Kurahashi	
JHN		Johnson	
JHNI		Jhansi	
JHO		Hitachi	
JHP	C	Judd Hill Plant.	
JHPM		Huddart Park	
JHR		Hokuryū	
JHS		Saijyo	
JHU		Hannō	
JHY		Hiyama	
JIE		Ise	
JIG		Jinotega	
JIH		Iheya	
JII		Iki	
JIJ		Ishigaki jima 2	
JIL		Jilotepec	
JIM		O shima 2	
JIN	C	Jindabyne	
JIO		Ouri	
JIRN		Jiri	
JIS		Juneau Island	
JIU	C	Izumi	
JIW		Iwasaki	
JIZ		Nakaizu	
JIZN		Jī zān	
JIZS		Izushimoda	
JIZZ		Izumozaki	
JJG		Jouge	
JJH		Hakui	
JJK		Kushima	
JJN		Nakama	
JJO		Oda	
JJRM		Joaquin Road	
JJS		Sakaide	
JJT	C	Tamagu	
JJT2		Tamagusuku 2	
JKB		Kayabe	
JKC		Kuchinoerabu	
JKD		Kudamatsu	
JKE		Kume jima 2	
JKG		Kaga	
JKI		Kunimi	
JKIT		Kitakata	
JKJ		Kijyo	
JKK		Kamikawa	
JKM	C	Jackman	
JKN		Kiinag	
JKO		Kō zu shima	
JKR		Kurayoshi	
JKS		Kasai	
JKT		Katashina	
JKU		Kubokawa	
JKY		Yasaka	
JKZ		Kuzumaki	
JLK		June Lake	
JLP		Les Platons	
JLTM		Los Trancos	LTW
JLU		Jordanelle	
JLXM		Lexington Res.	LXR
JMB		Yambol	
JMD	C	Masuda	
JMG		Jumaytepeque	
JMGM		Milagra Ridge	MGA
JMH	C	Hososhima	
JMI		Jan Mayen I.	
JMJ		Miyako jima 2	
JMK		Ichinoseki	
JMM		Marumori	
JMN		Monobe	
JMP		Maruseppu	
JMPM		Menlo Park	
JMT		Mikata	
JMU		Jammu	
JMY		Miyake jima 2	
JMZ		Minamidaito 2	
JN−	C	Johnston I.	
JNA		Nagahama	
JNAM		Almaden	
JNB		Noboribetsu	
JNE		Jan Mayen East	
JNG		Nsakai	
JNH		Juniper Hills	
JNI	C	Jehonathan	
JNJ	C	Junjel	
JNK		Nakash	
JNL		Jenolan Caves	
JNM		Ikuma	
JNN		Nakanoshima	
JNS		Sasagawa	
JNT		Takato	
JNU		Nakatsue	
JNW		Jan Mayen West	
JNY		Yasuok	
JO−	C	Jordan	
JOAQ		Joaquin Lookout	
JOB		Onbets	
JOD	C	Odawara	
JOD2		Odawara 2	
JOE	C	Joensuu	
JOF		Joensuu	
JOG	C	Oga	
JOG2		Oga 2	
JOH	C	Johannesburg	
JOHN		Johnston Island	
JOL		Jolon Road	
JOM		Ohasama	
JON		Johnnie	
JOR		Okushj	
JOS		Josvafo	
JOT		Ohata	
JOU		Okura	
JOW		Kunigami	
JOZ	C	Jozini	
JP−	C	Jasper	
JPK		Jack Peak	
JPLM		Pleasant Valley	PEV
JPPM		Portola Park	LT3
JPRM		Presidio of S.F.	
JRA		Rausu	
JRDJ		Daraweish	
JRG		Rokugo	
JRGM		Rodeo Gulch Rd	
JRR		Rishiri	
JRRM		Redwood Retreat	
JRS		Jersey	
JRSC		Jasper Ridge	
JRSJ		J Risha	
JRTX		Jordan Ranch	
JRY		Ryō gami san	
JS−	C	Jackson	
JSA		Saint Aubin	
JSAM		San Andreas	SAC
JSB		Shiboa	
JSBM		San Bruno Mt.	
JSC		Jenkinsville	
JSCM		Stevens Creek	SEC
JSD		Sado	
JSE		Soyaes	
JSFM		Stanford	SFT
JSG		Sagara	
JSH		Shimam	
JSI		Shiura	
JSJ		Shimokoshiki	
JSJM		St Joseph	SJH
JSK		Shakotan	
JSMM		Sawmill Road	
JSS		Shosan	
JSSM		Soda Springs	SOS
JSTM		Santa Teresa	
JSU		Suzuyama	

Code		Station Name	Other Code
JSZ		Suzu	
JTA		Tamana	
JTG	C	Taga	
JTGM		Trout Gulch Rd	
JTH		Tanohata	
JTJ		Tarama	
JTK		Tokunoshima	
JTM		Tenmabayashi	
JTMT		Jettee	
JTN		Tanegashima 3	
JTO		Tosashimizu	
JTS		JuntasAbangares	
JTSN		Tsuno	
JTT		Ttatey	
JTU		Tsushima	
JTY		Toyota	
JU−	C	Juno	
JUCM		Univ. Cal.	
JUD		Juan Dìaz	
JUE		Jülich	
JUG	C	Jugenheim	
JUI3		Juive 3	
JUIV		Juive	
JUJ		Jujuy	
JULC		Julian	
JUM		Jug	
JUMM		Mount Umunhum	
JUR		Ureshino	
JUS		Usuki	
JVI		Jordan Valley	
JVM		Valle d.l. Mare	
JWA	C	Jwalamukhi	
JWK	C	Wakkake−Misaki	
JWK2		Keihoku	
JWM		Minabe	
JWSM		Woodside	WDS
JWT		Wachi	
JWY		Kouya	
JWZ		Kozaga	
JYA		Atsumi	
JYG		Yagishiri	
JYJ		Yonaguni jima 2	
JYK		Kaneyama	
JYM		Yakumo	
JYN		Shimob	
JYO		Yokosk	
JYS		Shirataka	
JYT		Yasato	
JZK		Kikaishima	
JZO		Okuchi	
K			
KAA	C	Karratha	
KAAO	C	Kabul (SRO)	
KAB		Kabansk	
KABR		Katmai Ridge	
KAC		Achnashellach	
KAD		Karad	
KAE		Kaena	
KAF		Kangasniemi	
KAG		Kagoshima	
KAGJ		Kagoshima 2	
KAHC		Katmai Creek	
KAHG		Katmai Glacier	
KAI	C	Kaimata	
KAIC		Katmai Creek	
KAIM		Kayak Island	
KAJ		Kashiwara	
KAK		Kakioka	
KAKA		Kakadu	
KAKJ		Kakioka Outpost	
KAL	C	Kalocsa	
KALI		Kaliastana	
KAM	C	Kameyama	
KAN	C	Kanazawa	
KAN2		Kanazawa 2	
KANJ		Kanazawa	
KAO	C	Kapuskasing	
KAP		Kârpathos	
KAPH		Katmai Pasha	
KAQ	C	La Grande 4	
KAR		Karachi	
KARD		Karad	
KARR		Katmai River	
KARS		Kars	
KART	C	Kargi	
KAS		Kastamonu	
KAT		Kizyl−Arvat	
KAU		Kaohsiung	
KAV	C	Kavieng	
KAWH		Katmai	
KAY		Katlanovo	
KAZ		Karuizawa	KRZ
KBA		B. Koelnbrein	
KBB		Kelsey Bay	
KBBM		Bear Butte	
KBC		Kumba	
KBD		Kabd	
KBF		Kyburz Flat	
KBG		Krutoberegovo	
KBI		Kettle Butte	
KBL		Kabul	
KBN		Korca	
KBNM		Bluenose Ridge	
KBQ	C	La Grande 4	
KBR		Kanchanaburi	
KBRM		Barry Ridge	
KBS		Kingsbay	
KBSM		Bell Springs	
KBT		Komakuk Beach	
KBY	C	Kobayashi Ranch	
KBZ		Khabaz	
KC−	C	Kansas City	
KCA		Cave	
KCC		Kaiser Creek	
KCH		Monts Château	
KCHT		Kechabta	
KCI		Kelly Canyon	
KCM	C	Kilenge	
KCN		Ketchikan	
KCPM		Cahto Peak	
KCQ	C	La Grande 4	
KCRM		Chalk Rock	
KCSM		Cold Springs	
KCT		Karacabey	
KCTM		Capetown	
KD1		Kodiak	
KD2		Kodiak	
KD3		Kodiak	
KDA	C	Kuranda	
KDAK		Kodiak Island	
KDB		Konedobu	
KDC		Kodiak Island	
KDE		Karadeniz	
KDG	C	Kédougou	
KDK	C	Khodzhikent	
KDR		Kadzharan	
KDS		Kédougou	
KDT		Khaolaem Dam	KHT
KDUT		Kidman Hollow	
KDV		Kandavu Island	
KDZ		Kŭrdzhali	
KE−	C	Kennewick	
KEA	C	Kealakomo	
KEB		Keban	
KEC		Kecskemét	
KED	C	Kédougou	
KED*		Kédougou	
KEDI		Kedomdong	
KEE		Keen Camp	
KEF		Keuruu	
KEG		Kottamaia	
KEK		Kérkira	
KEL	C	Kelud	
KELI		Kelakatan	
KEN	C	Kenai	
KEP	C	King Edward Pt	
KER		Bakhtaran	
KERI		Keren	
KES	C	Ksar Es Souk	
KET	C	Keravat	
KETZ		Ketetahi	
KEV		Kevo	
KEV1	C	Kevo	
KEW	C	Kew	
KEY	C	Kluane	
KFA		Klagenfurt	
KFC		Kentfield	
KFH		Kaoiki Faults	
KFNJ		Kafrein	
KFO		Klamath Falls	
KFPM		Farley Peak	
KFRA		Kufra	
KG−	C	Kingman	
KGI	C	Kellogg	
KGJ		Kitakami	
KGM		Kluang	
KGMM		Grouse Mountain	
KGNI		Kongan	
KGT		Karabiga	
KH−	C	Kohls Ranch	
KHA		Khancoban	
KHBM		Hayfork Bally	
KHC		Kašperské Hory	
KHE	C	Kheis	
KHF		Khenifra	
KHG		Khandyga	
KHI		Kā khk	
KHKI		Kahang−Kahang	
KHL		Karahallı	
KHM		Kohima	
KHMM		Horse Mt.	
KHO		Khorog	
KHR	C	Khorongon	
KHS		Khaishi	
KHT		Khaolaem Dam	
KHU		Kahuku	
KHZ		Kahutara	
KIA		Kiara Terrace	
KIAM		Kaiam	
KIB		El Ksiba	
KIBK		Kibwezi	
KIC		Kosan Boka	
KIE	C	Kermit	
KIEV		Kiev	
KIH		Kanekii	
KIJ	C	Kawah Idjen	
KIK		Kika Raxquin	
KIL		Kilembe	
KIM	C	Kimberley	
KIN	C	Kingston	
KING		Kindia	
KIP		Kipapa	
KIPM		Iron Peak	
KIR		Kiruna	
KIS		Kishinev	
KIT		Kermit	
KIT*	C	Kaitaia	
KIV		Kislovodsk	
KIV0		Kislovodsk Ar.	
KIV2		Kislovodsk Ar.	
KIW		Kapiti Island	
KIY	C	Kiyosumi	
KIZ		Kirchzarten	
KJA	C	Kiajanaja	
KJF	C	Kajaani	
KJJM		Jack Ridge	
KJL		Kejulik	
KJN		Kajaani	
KKB		Krupnik	
KKD	C	Korintji−Dempo	
KKG		Kukul	
KKGU		Kamikuga	
KKH		Kailua Kona	
KKI		Karkar Island	
KKJ		Kaminokuni	
KKM		Kota Kinabalu	
KKN		Kakani	
KKPM		Kettenpom Peak	
KKR		Kurukshetra	
KKS		Kukësi	
KKT		Kermit	
KKU		Keanakolu	
KKW		Kainokawa	
KKY	C	Kaikoura West	
KKZ	C	Kaikoura	
KLB		Kellerberrin	
KLC	C	Kirkland Lake	
KLCH		Kalalua Cone	
KLD		Kalaidasht	
KLG	C	Kalgoorlie	
KLGA	C	Kalgoorlie	
KLH		Kapapala Ranch	
KLI		Kotabumi	
KLJ		Keetly	
KLK	C	Kealakekua	
KLL		Kalltalsperre	
KLM		Kuala Lumpur	
KLN		McKendrick Lake	
KLP		Kalpa	
KLR		Kul'dur	
KLS	C	Karlskrona	
KLT	C	Keltepe	
KLU		Klutina	
KLY		Klyuchi	
KM−	C	Kramer	
KM2	C	Kermit	
KM3	C	Kermit	
KM5	C	Kermit	
KM6	C	Kermit	
KM9	C	Kermit	
KMA		Kami	
KMB	C	Kimbe	
KMBO		Kilima Mbogo	
KMC		Kompina	
KME	C	Kermit	
KMF		Kamafusa	
KMG		Kumagaya	
KMH		Puu Kamoamoa	
KMI		Kunming	
KMJ		Kume jima	
KMK	C	Kamakura	
KML	C	Kamuela	
KMM	C	Kamigamo	
KMN		Kumano	
KMO		Kumora	
KMOR		Kings Mountain	
KMP		Kimball Pass	
KMPM		Mount Pierce	
KMR		Kremsmünster	
KMS	C	Karamürsel	
KMSA		Khamā sīn	
KMT	C	Kinomoto	
KMTA	C	Khamis Mushayt	
KMTU		Khamîs Mushayţ	
KMU		Kamikineusu	
KMV	C	Keen Mountain	
KMY		Karmøy	
KMZ		Kasempa	
KN−	C	Kanab	
KNA		Kununurra	
KNB		Kanab	
KND	C	Kandıra	
KNG	C	Königsberg	
KNH		Kipuka Nene	
KNI	C	Koyna Nagar	
KNIM		Knight Island	
KNJ		Kinomoto	KMT
KNK		Knik Glacier	
KNM		Kinmen	
KNO	C	Knox Ranch	
KNP		Kunneppu	
KNT		Kendrikon	
KNW	C	Konawaena	
KNY		Kanayama	
KOA	C	Kobuan	
KOB		Kō be	
KOC		Kō chi	
KOD		Kodaikanal	
KOE		Köppel	
KOF		Kō fu	
KOGH		Koforidua	
KOH		Kohala	
KOI		Khonsa	
KOL		Kolay	
KOLN		Koldanda	
KOM	C	Komaba	
KOMM		Orleans Mt.	
KON	C	Kongsberg	
KONO		Kongsberg	
KOOC		Abou Kooc	
KOR	C	Koror	
KOS	C	Kosmodemyansk	
KOSW		Kosmos	
KOT		Kottamia	
KOTI		Kothi	
KOU		Koumac	
KOW		Kowen Forest	
KOWA		Kowa	
KOY	C	Koyama	
KOZ		Kozyrevsk	
KPA		Kalaupapa	
KPB		Port Bizet	
KPC		Khapcheranga	
KPD		Port Douzième	
KPE		Price	
KPH	C	Kaena Point	
KPK		Kanaka Peak	
KPL		Plockton	
KPN		Kupiano	
KPO		Kapoho	
KPPM		Pickett Peak	
KPR	C	KrasnayaPolyana	
KR−	C	Crane	
KRA	C	Kraków	
KRB	C	Kariba Dam	
KRC	C	King Ranch	
KRCT	C	Kiraçtepe	
KRD	C	Kurday	
KRE	C	Kure	
KRF		Krasnovodsk	
KRG	C	Kerema	
KRH	C	Kırıkhan	
KRI		Karoi	
KRIT		Krib	
KRJ		Kamimuroga	
KRK	C	Kirkenes	
KRKM		Rackout Springs	
KRL		Karlsruhe	
KRM		Kurmenty	
KRMM		Red Mt.	
KRN		Kronoki	
KRNA		Kawich Range	
KRO		Koro	
KRP	C	Karapiro	
KRPM		Rodgers	
KRR	C	Karoi	
KRS	C	Krasnogorka	
KRT	C	Keravat	
KRU		Karasu	
KRV		Kirovabad	
KRW		Karlsruhe West	
KRY	C	Koidern River	
KRZ		Karuizawa	
KSA	C	Ksara	
KSAR		Camp Long Array	
KSB		Sheil Bridge	
KSCM		Snow Cap Mt.	
KSD		Kokstad	
KSH		Kashi	
KSHJ		Kshj	
KSHT		Keshet	
KSI		Kapahiang	
KSJ	C	Kashima	
KSK		Scoval	
KSL		Kastellórizon	
KSM		Kuching	
KSMM		Slide Mt.	
KSN		Kinkasan	
KSO		Kastoría	
KSP		Ksiaz	
KSPM		Sherwood Peak	
KSR		Koster	
KSRS		Korea Array	
KSU		Koussour	
KSUJ		Kushiro	KUSJ
KSV		Kosov	
KSY		Syston	
KT1	C	Kermit	
KT2	C	Kermit	
KT3	C	Kermit	
KT4	C	Kermit	
KT5	C	Kermit	
KT7	C	Kermit	
KT8	C	Kermit	
KT9	C	Kermit	
KTA		Kotzebue	
KTD		Kalmit	
KTE	C	Kermit	
KTG		Kap Tobin	
KTH		Kantishna Hills	
KTJ	C	Kamata	
KTJJ		Kamata 2	
KTK1		Kautokeino	
KTK2		Kautokeino	
KTK3		Kautokeino	
KTK4		Kautokeino	
KTK5		Kautokeino	
KTK6		Kautokeino	
KTL		Katale	
KTM	C	Katmai	
KTMO		Khatum	
KTN		Katrineberg	
KTR		Katsuura	
KTRM		Thompson Ridge	
KTT		Kermit	
KTX	C	Kermit	
KTZ		Kutztown	
KUC	C	Kucino	
KUF		Ufford	
KUG		Kupang	
KUH		Kaapuna	
KUK		Kukurantumi	

Code		Station Name	Other Code
KUL		Kulyab	
KUM		Kumamoto	
KUM*		Kumora	KMO
KUMJ		Kumamoto 2	
KUN		Kunming	KMI
KUP	C	Kupang	
KUPN		Kupiano	
KUPT		Kupang	
KUQ		Kuujjuuaa	
KUR		Kuril'sk	
KURK		Kurchatov	
KUS		Kushiro	
KUSJ		Kushiro	
KUT	C	Kutsugahara	
KUTA		Kuta	
KUU		Kurty	
KUZ		Kuaotunu	
KV−	C	Keg River	
KVAR		Kislovodsk Array	
KVG		Kavieng	
KVN		Kaiserville	
KVO		Kovokta	
KVT		Kavak	
KWA		Guiyang	GYA
KWE		Weaver Farm	
KWT		Kawatabi	
KYA	C	Kyakhta	
KYK	C	Kayak Island	
KYL	C	Kyle	
KYO		Kyō to	
KYR		Kayrak	
KYS		Kiyosumi	
KZI		Kaziranga	
KZIT		Kziot	
KZM	C	Kalamazoo	
KZN		Kozani	
L			
L6KY		Lock 6	
LA−	C	Lafayette	
LA0		Lasa Array	
LAA	C	Little America	
LAB		Little Aspen B.	
LABG		Labé	
LAC		Landers	
LACI		Laç	
LACL		Lacq	
LACU		La Cuchilla	
LAD		Ladron Mountain	
LADA		La Danta	
LAE	C	Lae	
LAF	C	Lafayette	
LAG		Langila	
LAGL		Lagor	
LAGM		Oaxaca	
LAGU		Laguneta	
LAGV		Lagunillas	
LAH	C	Lahore	
LAK		Lawrence	
LAL		Leola	
LAM	C	Lamongan	
LAN	C	Lanzhou	
LANF		Langenberg	
LANH		Laconia	
LAO		LASA Centre	
LAP		La Paz (Mex)	
LAPE		La Pedrera	
LAQ		La Grande	
LAQC		La Quinta	
LAR	C	Laramie	
LARI		Lau Rambong	
LARO		La Roca	
LAS	C	Mount Lassen	
LASA		Lasa Array	
LASF		Ste Croix	
LASM		Arnica Sink	
LAT		Lae	
LAV	C	Laguna Verde	
LAW		Lawrence	
LAX		Los Angeles	
LAY		Lanyu	
LAZ		Ladron	
LAZM		Lázaro Cárdenas	
LB−	C	Lebanon	
LB1	C	LASA B Ring	
LB2	C	LASA B Ring	
LB3	C	LASA B Ring	
LB4	C	LASA B Ring	
LBC	C	Lubudi	
LBF		Les Buteaux	
LBFM		Black Fox Mt.	
LBG		Lerchenberg	
LBH		Morecambe B102	
LBKM		Bonanza King	
LBL		Loubilhac	
LBM	C	Little Butte	
LBNH		Lisbon	
LBO		Bowland	
LBPM		Beegum Peak	
LBQ		La Grande	
LBRS		Las Brisas	
LBT		Labete	
LBTB		Lobatse	
LBUT		Lower Browns	
LC−	C	Las Cruces	
LC1	C	LASA C Ring	
LC2	C	LASA C Ring	
LC3	C	LASA C Ring	
LC4	C	LASA C Ring	
LCA		Log Cabin	
LCAL	C	Lambert Chapel	
LCBS		La Ceiba	
LCC	C	Lanzhou	
LCCH		Las Cruces	
LCCM		Lewis Clark Cav.	
LCFM		Crescent Cliffs	
LCG		León Cerro G.	
LCH		Last Change Ra.	
LCHF		La Châtaigneraie	
LCI		Lecce	
LCK	C	Crook	
LCL		Los Cerritos	
LCM		L.A. Museum	
LCMM		Colby Mountain	
LCN		Lincoln	
LCNA		Lacona	
LCNC		Loup City	
LCP		Cassop	
LCQ		La Grande	
LCR	C	La Lucha	
LCR2		La Lucha 2	
LCV	C	La Cueva	
LD−	C	Lucedale	
LD1	C	LASA D Ring	
LD2	C	LASA D Ring	
LD3	C	LASA D Ring	
LD4	C	LASA D Ring	
LDBL		Lucq−de−Béarn	
LDBM		Digger Butte	
LDF		La Druitiére	
LDG		Lodge	
LDJ		Lady	
LDM		Libby Dam	
LDMO		Linda	
LDN		London (Ont)	
LDQ		La Grande	
LDS	C	Leeds	
LDU		Leeds Univ.	
LDV	C	Leadville	
LDVG		Clark Hill Res.	
LE−	C	Lewisburg	
LE1	C	LASA E Ring	
LE2	C	LASA E Ring	
LE3	C	LASA E Ring	
LE4	C	LASA E Ring	
LEA	C	Lead	
LED		Lead Mountain	
LEE	C	Leeds	
LEF		Lefka	
LEG		Legaspi	
LEGH		Legon	
LEI	C	Leipzig	
LEK	C	Lexington	
LEM		Lembang	
LEN		Leninakan	
LENM		Lemitar	
LEO		Leoncito	
LEOC		Leona Valley	
LER		Lerida	
LES	C	Lesozavodsk	
LESF	C	Lescure	
LEVU		Levan	
LEX	C	Lexington	
LF−	C	La Follette	
LF1	C	LASA F Ring	
LF2	C	LASA F Ring	
LF3	C	LASA F Ring	
LF4	C	LASA F Ring	
LFA		Lagoa do Fogo	
LFC		Lale Fork Canyon	
LFF		La Frestale	
LFK		Lefkoşe	
LFM	C	Lubrecht Forest	
LFRS		El Faro	
LFU		La Fuente	
LG−	C	Long Valley	
LGA		Laguna Mts	
LGAR		La Grange	
LGBM		Gray Butte	
LGC	C	Lakewood Golf C.	
LGD		Lagodekhi	
LGG	C	Legon	
LGKY	C	Lock 6	
LGM	C	Little Green Mt.	
LGMM		Garner Mountain	
LGN		Lagunillas	
LGOR		La Grande	
LGP		Legaspi	
LGPM		Granite Peak	
LGQ	C	La Grande	
LGR	C	Logroño	
LGT		Lagarterita	
LHA	C	Lhasa	
LHC	C	Thunder Bay	
LHCM		Hat Creek	
LHD		Little Hoodo Mt.	
LHE		Lhers	
LHEM		Hard Peak	
LHG		La Concha	
LHIS		Lihir Island	
LHKM		Mount Harkness	
LHM	C	Lake Helena	
LHN	C	Lillehammer	
LHO		Holmfirth	
LHS		Liberty Hill	
LHU		Lake Hughes	
LHV		Little Huntoon	
LI−	C	Liberty	
LIA		Límnos Island	
LIB		Langara Island	
LIBD		Limburg	
LIBM		Chiapas	
LIC		Lamto	
LIJA		Lijar	
LIL	C	Lille	
LILH		Lima (NY)	
LIM		Lima	
LIME		Lime	
LIMM		Veracruz	
LIN	C	Lincoln	
LIO		Limòn	
LIP		Lipkovo	
LIRZ		Lichensteins Rd	
LIS		Lisbon	
LISJ		El Lisan	
LIT		Litókhoron	
LITH		Al Lith	
LIV	C	Leghorn	
LIY		Limay	
LJB		Lovejoy Buttes	
LJC	C	La Jolla	
LJI		Lemhi Junction	
LJO		Ljótipollur	
LJS		Tabasco	
LJU		Ljubljana	
LJX		Las Lajas	
LJY		La Joya	
LKC		Lake Chabot	
LKGA		Lookout Mt.	
LKL	C	Kirkby Lonsdale	
LKO		Korhogo	
LKP		Lekhapani	
LKR		Lokris	
LKW		Lake Wisdom	
LKWY		Lake	
LL−	C	Laurel	
LLA		Llanada	
LLAV		El Llanito	
LLC	C	La Lucha Farm	
LLD		Lille Linde	
LLI		Lipari	
LLJ		Guerrero	
LLKY		Land−Between	
LLL	C	Lillooet	
LLLB		Lillooet	
LLO	C	Longridge	
LLRI		Little Lost River	
LLS		Linth−Limmern	
LLW		Llanuwychllyn	
LLY		Lytham St Annes	
LM−	C	Lake Mead	
LM2	C	Lima (Magdalena)	
LMA		Le Marinel	
LMC		Lamocks	
LMCR		Lookout Mt.	
LMEM		Manzanita Entr.	
LMF	C	Le Mans	
LMG		Lamington	
LMGC		Lmgc	
LMHM		Little Mt Hoffman	
LMI		Millon	
LMK		Market Rasen	
LML		Lae − Mt Lunaman	
LMM		Lourenço M.	
LMN		Caledonia Mt.	
LMO	C	Lookout Mt. Obs.	
LMP		Lamap	
LMPM		Military Pass	
LMQ		La Malbaie	
LMR		La Mourre	
LMS		Lookout Mt. Obs.	
LMT	C	Lemonthyme	
LMTN	C	Little Mountain	
LMU	C	Lake Mountain	
LMW		Ladd Mountain	
LMX		La Mesa Andrade	
LMZ		Lake Moeraki	
LMZM		Manzanita Lake	
LN9		Lone Pine	
LNA		Lyangar	
LNAS		Los Alamitos	
LNB		Las Nubes	
LNC	C	Lunacharskoye	
LND	C	London (Ont)	
LNF		Linfen	
LNG	C	Luning	
LNK		Lenkoran'	
LNM		León	
LNN	C	St Petersburg	
LNO		Leonard	
LNO2		Leonard	
LNO3		Leonard	
LNOR		Lincton Mountain	
LNR		Lonorore	
LNS		Lanslevillard	
LNSM		East Lansing	
LNV		Longovilo	
LNX	C	Lenox	
LO−	C	Lovelock	
LO2	C	Pahute Mesa	
LOA	C	Los Alamos	
LOC		Lincoln School	
LOCW		Rockwell Inc.	
LOE		Loei	
LOF		Lofoten	
LOG	C	Logan	
LOHW		Long Hollow	
LOK		Lockwood Valley	
LOKY		Lockhart	
LOM		Lomé	
LOMF		Lomont	
LOMS		Lomita	
LON		Longmire	
LOP		Lookout Peak	
LOR		Lormes	
LORE		San Lorenzo	
LORO		Los Roques	
LOS		Límnos	
LOSU		Losuia	
LOT		Lotru	
LOU		Louis Bay	
LP−	C	La Pryor	
LPA		La Plata	
LPAZ		La Paz	
LPB		La Paz	
LPC		La Cumbre Peak	
LPD		Lampedusa	
LPDM		Pondosa	
LPEF		Le Peyrat	
LPF		le Pertre	
LPG		La Plagne	
LPI		Lipari	
LPIG		La Paz	
LPK		Lapseki	
LPL		La Plagne	
LPM		Los Pinos Mt.	
LPO		Le Pouchou	
LPQ		La Pocatière	
LPR	C	La Peregrina	
LPS		La Palma	
LPT	C	Lampang	
LPW		Lampeter	
LPZ		San Calixto	
LQA	C	La Quiaca	
LQQ	C	La Grande 4	
LQT		Los Queltehues	
LR9		Liard River	
LRA	C	Little Rock	
LRC		Lone Oak Road	
LRCG		Laurel Creek	
LRCZ		Leaning Rock	
LRDM		Redding Peak	
LRDO		Lorado	
LRG		Lorgues	
LRI	C	Big Lost River	
LRKT		Look Rock	
LRM		Limekiln Ridge	
LRN		Richmond	
LRQ		La Grande 3	
LRR		Lereşti	
LRRC		Littlerook Res.	
LRS		Lares	
LRV		Little Rabbit V.	
LRW		Lerwick	
LRYF		La Roche	
LS−	C	Lisbon (USA)	
LSA		Lhasa	
LSCT		Lakeside	
LSCZ	C	Lilico Spur	
LSD		Ceresole Reale	
LSF		La Souterraine	
LSI	C	Little Sitkin I.	
LSK		Leskovik	
LSLM		South Lassen	
LSM		Little Skull Mt.	
LSN	C	Little Skull Mt.	
LSP		Las Mesas	
LSP2	C	Las Mesas	
LSPF	C	Lesparou	
LSR		Lussari	
LST		Lone Star	
LSU1		Parcperdue Array	
LSU2		Parcperdue Array	
LSU3		Parcperdue Array	
LSU4		Parcperdue Array	
LSU5		Parcperdue Array	
LSUT		Lucky Star	
LSW	C	Landslide	
LSZ		Lusaka	
LT−	C	Lewistown	
LT1		Stevens Creek	SEC
LT11		Empire Grade Rd	EGR
LT12		Eureka Canyon	EUC
LT13		Angel Island	AGC
LT15		Bear Creek Road	
LT16		Bolinger Road	BGC
LT17		Morgan Territory	MTC
LT18		Palomares Rd	PLC
LT2		St Joseph	SJH
LT3		Portola Park	
LT4		Stanford	SFT
LT5	C	La Honda	
LT6		Woodside	WDS
LT7		Menlo Park	MOB
LT8		Coyote Hills	CYH
LT9	C	San Andreas L.	
LTA		Leoben	
LTB3		Lajitas B3	
LTC		Little Chuckwalla	
LTCM		Tuscan Springs	
LTG	C	Los Tablones	
LTH		Lepaterique	
LTI		Latouche	
LTM		Little Maria Mts	
LTMT		Little Table Mt.	
LTN	C	Lennox	
LTQ	C	La Grande	
LTR		Lone Tree Road	
LTT	C	Louis Trichardt	
LTU		Little Mountain	
LTW		Los Trancos	
LTX		Lajitas	
LTZ		Lake Taylor	

Code		Station Name	Other Code
LUA	C	Luanda	
LUB		Lubbock	
LUG		Luganville	
LUN	C	Lund	
LUS	C	Lusaka	
LUV		Laichau	
LUX	C	Luxembourg	
LV−	C	Liddieville	
LV9		Isola Levanzo	LVI
LVC		Limón Verde	
LVG	C	La Victoria	
LVGX		La Villita	
LVI		Isola Levanzo	
LVIG		Laguna Verde	
LVK	C	Lovelock	
LVM	C	Livermore	
LVMM		Veracruz	
LVN	C	Las Vegas	
LVNJ		Long Valley	
LVP		Lakeview Peak	
LVR	C	Liverpool	
LVRI		Lost Valley Res.	
LVU		Levan Peak	
LVV		L'vov	
LVVM		Laguna Verde	
LVW	C	Las Vegas	
LVY		Levy	
LVZ		Lovozero	
LW−	C	Lake Wenatchee	
LWA		Lower Mag Wash	
LWH		Whinny Nab	
LWI		Lwiro	
LWN	C	416	
LXQ		La Grande 3	
LXR		Lexington Res.	
LYMT		Lyon Mountain	
LYW		Lyman	
LZ−	C	La Paz	
LZH		Lanzhou	
M			
M12	C	M12	
MA1		Montasola	MNS
MA2		Magadan	
MAA		Manantiales	
MABC		Malibu	
MAC		Mark W Springs	
MAD	C	Madang	
MADF		Madeleine	
MADS		Madsous	
MAE		Maebashi	
MAEJ		Maebashi 2	
MAF		Mazirat	
MAG		Magadan	
MAGD		Magdalena	
MAGK		Magadi	
MAH	C	Mahableshwar	
MAHZ	C	Mahia	
MAI	C	Maizuru	
MAIG		Mazatláan	
MAIO		Mashhad (SRO)	
MAJ	C	Maron	
MAJO		Matsushiro	
MAK		Makhachkala	
MAKZ		Makanchi	
MAL		Málaga	
MAM	C	Mambajao	
MAMC		Mammari	
MAMG		Mamou	
MAMI		Mei−Ami	
MAN		Manila (W)	
MANM		Veracruz	
MANV		Manamana	
MAO		Monte Argentario	
MAP		Mactan	
MAR	C	Marseilles	
MARA	C	Maracay	
MARB		Ma'reb	
MARC		Maricopa	
MARH		Ras Al Marh	
MARI		Martimbang	
MARL	C	Marlboro	
MARM		Chiapas	
MART		Mareth	
MARY		Rancho Maria	
MARZ		Manawahe	
MAS	C	Mason Butte	
MASC		Masc	
MASH		Mash'abbe Sade	
MASJ		El Maslubiya	
MAT		Matsushiro	
MATS	C	Near Sharaf	
MAU		Matua	
MAVI		Loma El Jobobán	
MAW		Mawson	
MAY	C	Mayfield	
MAYB		Maynard	
MAZ		Mazatlán	
MAZR		Mazracia	
MB−	C	McComb	
MBA	C	Mount Bingar	
MBAT		Mbeya	
MBC		Mould Bay	
MBDF		Montbardon	
MBET		Bethel	
MBFM		Blanchard	
MBG		Matouba	
MBH		Mount Berech	
MBI	C	Menan Buttes	
MBJ		Montego Bay	
MBL		Marble Bar	
MBO		M'Bour	
MBT	C	Marble Bar	
MBU		Bua	
MBV		Mont Bernier	
MBW		Mount Baker	
MBZ		Menzel Bou-zelfa	
MC−	C	Mitchell	
MCA		Marble Canyon	
MCAS		Mount Castle	
MCB	C	Moose Cr. Bluff	
MCC	C	Mica Creek	
MCD		Coleburn Distill.	
MCE	C	Mica Creek	
MCH		Masachapa	
MCHM		Carson Hill	CRH
MCI	C	Monte Cassino	
MCIR		Makushin	
MCJ		Malvern	
MCK		McKinley	
MCL	C	McNeil River	
MCM	C	McMurdo Sound	
MCMT		McKenzie Canyon	
MCN	C	Mercury	
MCNL		McNeil River	
MCO		Coloane	
MCP	C	Moca	
MCPI		Mackay Peak	
MCPQ		Mount Cooper	
MCQ		Macquarie Island	
MCR	C	Mercer	
MCS	C	Marcus Island	
MCSM		Casa Diablo Spr.	
MCT		Mte Cammarata	
MCU		Monte Cristo Pk	
MCUM		Copperopolis	
MCV	C	Mercury	
MCW		Mt Constitution	
MCWV		Mont Chateau	
MCY		Mercury	
MD1	C	Moodus	
MD2	C	Moodus	
MD3	C	Moodus	
MD4	C	Moodus	
MD5	C	Moodus	
MDA		Mount Davis	
MDB		Mediaş	
MDC	C	Mount Diablo	
MDD	C	Madrid	
MDG		Madang	
MDI		Monti di Nese	
MDJ		Mudanjiang	
MDL	C	Mandileni	
MDM		Murphy Dome	
MDN		Morne−Daniel	
MDO		Dochfour	
MDR		Madras	
MDRJ		Muduarah	
MDRS		Chennai	
MDS	C	Madison	
MDSJ		Mudaysisat	
MDSM		Mandiavato	
MDT		Midelt	
MDU		Mudurnu	
MDV		Middlebury	
MDVM		Presa Madin	
MDW		Midway (Wa)	
MDY	C	Midway	
MDZ		Mendoza	
ME−	C	Merritt	
MEA	C	Monteagle	
MEC	C	Mechernich	
MECC		Mecca Hills	
MECU	C	Ecuador Network	
MED	C	Medan	
MEDT		Meda	
MEDY		Medina	
MEE	C	Meerut	
MEEK		Meekatharra	
MEG		Meangora	
MEGN		Megha	
MEI	C	Melilli	
MEK		Meekatharra	
MEKA	C	Meekatharra	
MEL		Melbourne	
MEM		Membach	
MEMM		E. Mammoth Hills	
MEMT		Mount Ellis	
MEN	C	Mendoza	
MENF		Mencas	
MENI		Mendum Tagoi	
MEO		Meers	
MEP	C	Mte del Estrado	
MER		Mérida	
MERK		Meru	
MES		Messina Univ.	
MESC		Monte Escuro	
MET		Memphis	
MEU		Monte Lauro	
MEW		McNeil Island	
MEX		Mexico City	
MEZ		Mezhgor'ye	
MF−	C	Medford	
MFA	C	Mitchell Field	
MFF		St Martin	
MFI		Fishrie	
MFM	C	Minneapolis	
MFO	C	Meers Fault	
MFP		Moca	
MFS		McCloud Flat S	
MFSM		McCloud Flat S	MFS
MFT		Murefte	
MFTN		Millsfield	
MFW		Milton−Freewater	
MGA		Milagra Ridge	
MGB		Mount Grey	
MGC		Mingechaur	
MGD		Magadan 1	
MGG		Marie−Galante	
MGH		St George's Hill	
MGI	C	Mount Gilboa	
MGL		Magalia	
MGLS		Mageik LS	
MGM		Magruder Mt.	
MGN	C	Mengen	
MGO		Magodro	
MGOD		Makushin	
MGP		Maguayo	
MGR		Morigerati	
MGS		Middleton G.	
MGU		Meadow Cr. Golf	
MGVT	C	Montgomery	
MGZ		Maungaku	
MH−	C	Mitchell	
MHA		Mahukona	
MHC		Mount Hamilton	
MHD		Mile High Drive	
MHI		Mashhad	
MHK		Manhattan	
MHPQ		Mount Hope	
MHR		Mt Hamilton Road	
MHS	C	Mammoth Spr.	
MHT	C	Manhattan	
MHV		Michnevo	
MHZ	C	Mount Horn	
MIA	C	Miami	
MIAR		Mount Ida	
MIB		Mutribah	
MIC		Michilla	
MID		Middleton Island	
MIF		Mishlifen	
MII	C	Mălini	
MIK	C	Minitrack	
MIL	C	Milan	
MILG		Mill City	
MILK	C	Milimani	
MILT		Milan	
MIM		Milo	
MIN		Mineral	
MIO		Marion Island	
MIP		Matupit	
MIQ	C	Maniwaki	
MIR		Mirnyy	
MIRC		Martinez I.R.	
MIS		Mishima	
MIST		Miston	
MISV		Misoa	
MIT		Mito	
MIV		Mineville	
MIW		Mizusawa	MIZ
MIX		Mix Canyon Road	
MIY		Miyako	
MIYJ		Miyako 2	
MIZ		Mizusawa	
MJ2		Rockwell Inc.	
MJAR		Matsushiro Array	
MJAS		Monjas	
MJMA		Al Majma'ah	
MJP	C	Mt John Pukaki	
MJW	C	Madison Junction	
MJZ	C	Mount John	
MK−	C	Marked Tree	
MKA		Makaopuhi	
MKAR		Makanchi Array	
MKC	C	Moncks Corner	
MKH	C	Mauna Kea	
MKJ		Miyake jima	
MKL		Maskali	
MKN		Medicine Cr.	
MKNA		Makna	
MKO		Miyako	
MKRJ		Makawir	
MKS		Makassar	
MKT		Machtesh Katan	
MKW		Mikawa	
MKY	C	Makeyevka	
MKZ		Mys Kozlova	
ML−	C	Mogollon	
ML1		Mono Lake	
ML2		Mono Lake	
ML3		Mono Lake	
ML4		Mono Lake	
MLA		Malaspina Glacier	
MLAC		Mammoth Lakes	
MLAL		Sawyerville	
MLB	C	Malabar	
MLC		Manzanita Lake	
MLD	C	Malden	
MLE	C	Mileto	
MLF		Milford	
MLG		Mont−d'or	
MLH		Mauna Loa	
MLI		Malad Range	
MLK		Milford Reservoir	
MLK*		Malo−Kuril'sk	
MLL		Mill Creek	
MLM		Mesa Lucera	
MLN	C	Mulungwishi	
MLP		Malaspina Glacier	MLA
MLR		Muntele Roşu	
MLS	C	Moulis	
MLT		Malta	
MLTT		Malatya	
MLV		Malvaux	
MLW	C	Milwaukee	
MLX		Mauna Loa 2	
MLY		Manley	
MLZ		Mavora Lakes	
MM−	C	McMinnville	
MMA	C	Mummy Mountain	
MMB		Musomiste	
MMC		Middle Cape	
MMCZ	C	Mount Michael	
MME		Monte Cimone	
MMG		Magdalena	
MMK		Mattmark	
MML		Mount Malkishua	
MMM		Pea Ridge Mine	
MMN		Mormanno	
MMO		Medio Mundo	
MMP	C	Mount Mary	
MMPM		Mammoth Pass	
MMR		Mount Meron	
MMS	C	Matam	
MMT	C	Marsa Matruh	
MMU		Miners Mountain	
MMWM		Mi Wuk Village	
MMY		Middlesmoor	
MN−	C	Mina	
MNA		Mina	
MNAS		Manas	
MNAT		Makushin	
MNB		Mounoet Dainard	
MNC	C	Moncalieri	
MNCI		Minicoy	
MND	C	Mandalay	
MNDI		Mendi	
MNE	C	Mineo	
MNFI		Manof	
MNG		Mangahao	
MNGI		Mangalore	
MNH	C	Munich	
MNHM		New Hogan Res.	
MNI		Manado	
MNK		Minsk	
MNL		Mangla	
MNM	C	Minneapolis	
MNN	C	Minneapolis	
MNO		Monte Soro	
MNP		Morong	
MNQ		Manicouagan	
MNR		Mines Road	
MNRI		Mount Meron	
MNS		Montasola	
MNT		Montreal	
MNU		Milford North	
MNV		Mina	
MNW	C	Monowai	
MNY		Monteynard	
MNZ		Manzanillo	
MO−	C	Mountain Home	
MOA	C	Molln	
MOB	C	Menlo Park	
MOBC		Moresby Island	
MOC	C	Mt Cameroon	
MOCA		Moca	
MOCB		Mochara	
MOE		Montemor	
MOF		Molkenrain	
MOG	C	Mogadiscio	
MOH	C	Mohaka	
MOI	C	Mt Montar	
MOIG		Morelia	
MOK	C	Mokapu	
MOKC		Mount Cameroon	
MOKY		Morganfield	
MOL		Molde	
MOLL		Mollejon	
MOM		Momote	
MOMI		Momías	
MOMT		Monida	
MON		Monaco	
MONE		Monesi	
MONJ		Montclair	
MONL		Mont	
MONR		Mono Valley	
MOO		Moorlands	
MOOW		Moose Ponds	
MOP		Monarch Peak	
MOPM		Molcaxac	
MOQ		Mont Orford	
MOR		Mori	
MOR1	C	Moi Rana	
MOR2	C	Moi Rana	
MOR3	C	Moi Rana	
MOR4	C	Moi Rana	
MOR5	C	Moi Rana	
MOR6	C	Moi Rana	
MOR7	C	Moi Rana	
MOR8		Moi Rana	
MORC		Moravský Beroun	
MORO		Morrocoy	
MOS		Moscow	
MOT		McDonald Obs.	
MOT1		McDonald Obs.	
MOT2		McDonald Obs.	
MOT3		McDonald Obs.	
MOT4		McDonald Obs.	
MOTA		Moosalm	
MOTN		Model	
MOUT		Mount Ogden	
MOV	C	Morovis	
MOW		Moikau	

Code		Station Name	Other Code
MOX		Moxa	
MOY		Mondy	
MOYM		O'Byrne Ferry	
MOZ		Mahoenui	
MP−	C	Mountain Pine	
MPA		Moose Pass	
MPG		Monte Pellegrino	
MPH	C	Memphis	
MPK		Martis Peak	
MPM		Monte−Pele	
MPOR		Mary's Peak	
MPP	C	Mount Pasian	
MPR		Mayagüez	
MPRI		Monte Prat	
MPT		Matupit Island	
MPU		Maple Canyon	
MPVT	C	Montpelier	
MQI	C	Macquarie Island	
MQZ		McQueen's Valley	
MR−	C	Middleburg	
MRA		San Martín	
MRB		Monserrat	
MRC	C	Montrose	
MRCM		Red Rock Canyon	
MRD		Mojave R. Dam	
MRE	C	Mariestad	
MRF		Miraflores	
MRFM		Railroad Flat S	
MRFT	C	Murafatepe	
MRG		Morgantown	
MRH		Marewa	
MRI	C	Mauritius Island	
MRK		Morioka	
MRKJ		Morioka 2	
MRL		Marmol	
MRMJ		Muroto Misaki	
MRN	C	St Maarten	
MRNI		Mount Meron	
MRO	C	Meridian	
MRP	C	Merapi	
MRPI		Mariponipon	
MRR		Muroran	
MRRJ		Muroran 2	
MRS		Maars	
MRSJ		Marsad	
MRT		Murotomisaki	
MRT2		Murotomisaki 2	
MRVC		Morongo Valley	
MRVI	C	Mt Valcellina	
MRW		Makara Radio	
MRWA		Morawa	
MRX		Morelia	
MRY	C	Mary	
MRZ		Mangatainoka R.	
MS−	C	Montrose	
MSA		Mt San Antonio	
MSAL		Mont Sano	
MSAR		Manila South	
MSC		Monte Massico	
MSCZ	C	Moutere Station	
MSDA		Masada	
MSE		Moose Creek	
MSEY		Mahé Island	
MSG		Mössingen	
MSH	C	Mashhad	
MSHA		Masjed Soleyman	
MSI		Messina ING	
MSJ		Mission San Jose	
MSK	C	Misaki	
MSKJ		Misakubo	
MSL		Mosul	
MSM	C	Mt Sar Shalom	
MSN		Misono	
MSNY		Massena	
MSO		Missoula	
MSOM		Makushin	
MSON		Mazon	
MSP		Mt Sto Tomas	
MSR		Malnas	
MSS		Messtetten	
MST	C	Mostar	
MSTB		Masset	
MSTM		Stent	
MSU		Marysvale	
MSV		Monasavu	
MSVF		Nonsavu	
MSW		Makushin	
MSZ		Milford Sound	
MT1		Boracho Peak	
MT2		Eagle Mountain	
MT3		Miller Ranch	
MT4		Brite Ranch	
MTA	C	Mtatiminda	
MTB	C	Montebello Ridge	
MTBL		Makushin	
MTC		Morgan Territory	
MTD		Mount Darwin	
MTE		Manteigas	
MTG	C	Montague Island	
MTH		Montachique	
MTHF		Mouthoumet	
MTI		Mount Irish	
MTJ		Mount Tsukuba	
MTK	C	Mitaka	
MTL		Mount Taylor	
MTLF		Montolieu	
MTM		Matsumoto	
MTMJ		Matsumoto	
MTMW		Mount Mitchell	
MTN		Manton	
MTP		Monte Pirata	
MTPC		Mountain Pass	
MTQ		Monturaqui	
MTR		Monterey	
MTS		Matsue	
MTSA		Monte Escuro	
MTSH		Mt Sheppard	
MTST		Matsu	
MTT		Monetta	
MTU		Montague Island	
MTUM		Tungsten Hills	
MTUR		Măţău	
MTV	C	Mount Tassie	
MTW		Mount Morrison	
MTX		Marathon	
MTY		Matsuyama	
MTZ	C	Montezuma	
MU−	C	Mt Baker	
MUB		Muncho Lake	
MUD		Monsted U'grnd	
MUDI		Mud Lake	
MUDJ		Muduarah	
MUI		Mashhad Univ.	
MUIF		Mont Vial	
MUJ		Mitsuishi	
MUK	C	Mukerian	
MUL		Mullan	
MUN		Mundaring	
MUNC		Munchique	
MUR	C	Murgab	
MUS	C	Muskinabad	
MUSH		Mushullacta	
MUT	C	Mudurnu	
MUX		Unión Juárez	
MV−	C	Marysville	
MVH		Mountain View	
MVI		Minamidaito jima	
MVIF		Mont Vial	
MVL		Millersville	
MVLT		Maryville	
MVM		Montagne Vauclin	
MVO		Moncorvo	
MVT		Monte Vettore	
MVU		Marysvale	
MVW		Mud Volcano	
MW−	C	Mattawa	
MWA		Mag Wash	
MWC		Mount Wilson	
MWG		Münster	
MWH		Mokuaweoweo	
MWI	C	Montserrat	
MWS	C	Mawashi	
MX−	C	Manchester	
MXC		Moxie City	
MY−	C	McCrory	
MYA		Malataya	
MYD	C	Miyazu	
MYG		Matka	
MYI	C	Mount Yahel	
MYK		Miyako zima	
MYNC		Murphy	
MYR		Moyori	
MYT		Moyuta	
MYV		Myrviken	
MYZ		Miyazaki	
MYZ2		Miyazaki 2	
MZ−	C	Mount Ida	
MZA		Mariazell	
MZDA		Masada	
MZF	C	Mazirat	
MZH		Maizuru	
MZH2		Maizuru 2	
MZM		Mzuzu	
MZO	C	Mazie Landing	
MZP		Montezuma Peak	
MZX		Mazatlán	
MZZ		Mansa	
N			
N10	C	NORSAR C	
N11	C	NORSAR C	
N12	C	NORSAR C	
N13	C	NORSAR C	
N14	C	NORSAR C	
N23		N23	
NA0		NORSAR 1A	NAO
NA11	C	North Anna	
NA12		North Anna	
NA2	C	North Anna	
NA5		North Anna	
NAA	C	Naalehu	
NAB		Nanaimo	
NAC		Naches	
NADZ		Nadzab	
NAE		Nake (Tuamotu)	
NAF	C	Naboro	
NAG		Nagoya	
NAGA		Nagai Island	
NAH	C	Naha	
NAH1		Naha	
NAI		Nairobi	
NAIU		N. Antelope I.	
NAK	C	Nakhichevan'	
NAKO		Nairobi	
NAL		Nallihan	
NAM	C	Namangan	
NAMA		Namatanai	
NAN	C	Nanjing	
NANS		Nanahuazin	
NANU	C	Nanutarra	
NAO		NORSAR 1A	
NAP	C	Napay	
NAQJ		Ras En−Naqb	
NAR		Nara	
NAS	C	Nasaqa	
NAS1		Nasa	
NAT	C	Natal	
NATB		Natividade	
NATN	C	Natchez Trace	
NAU		Nanutarra	
NAV		Narrows	
NAY		Al−Naaiem	
NB−	C	North Branch	
NB2		NORSAR 2B	
NB3	C	NORSAR 3B	
NB4	C	NORSAR 4B	
NB5	C	NORSAR 5B	
NB6	C	NORSAR 6B	
NB7	C	NORSAR 7B	
NBG		Las Nubes	
NBH	C	North Bay	
NBO		NORSAR 1B	
NBPM		Berryessa Peak	
NBRM		Beebe Ranch	BBR
NBW	C	Neah Bay	
NC2		NORSAR 2C	
NC3		NORSAR 3C	
NC4		NORSAR 4C	
NC5	C	NORSAR 5C	
NC6		NORSAR 6C	
NC7	C	NORSAR 7C	
NC8	C	NORSAR 8C	
NC9	C	NORSAR 9C	
NCA		Nelchina	
NCDM		Cavedale Road	CRD
NCE	C	Nasa Cotopaxi	
NCFM		Canfield Rd	
NCG		North Capps	
NCJ		New Castle	
NCM		Ninemile Creek	
NCO	C	NORSAR 1C	
NCOR		Newberry Crater	
NCRB		Newcastle Ridge	
NCS	C	N. Concepción	
NCT		North Crescent	
ND−	C	Needles	
NDA		Nedlands	
NDB		Naden	
NDE		Delaikoro	
NDF		Nadi	
NDHM		Dunnigan Hills	
NDI		New Delhi	
NDMT		Ninemile Divide	
NE01	C	Göteborg	
NE02		Mønsted	
NE03		Løgumkloster	
NE04		Witteveen	WIT
NE05		Utrecht	
NE06		Dourbes	DOU
NE07		Villiers−Adam	VDM
NE08	C	Aigurande	
NE09	C	Les Eyzies	
NE10		Arette	
NE11		Ainzon	
NE12	C	Valle Caidos	
NE13		Puertollano	
NE14		Granada	
NE15		Valkenburg	
NE16		Clermont Ferrand	CFF
NE17		Toledo	TOL
NE18		Les Réjaudoux	RJF
NEA		Nenana	
NEC		Neuchâtel	
NED		Newark	
NEE		Needles	
NEGI		Negi	
NEI		Neipperg	
NEL		Nelson	
NEM		Nemuro	
NEM2		Nemuro 2	
NEO		Neokhóri	
NEU	C	Neuchâtel	
NEV		Hard Times	
NEW		Newport	
NEZ		North Egmont	
NFIM		Farallon Islands	
NG−	C	Niagara	
NGA		Galoa	
NGC		Ngoundere	
NGH		National Guard	
NGI	C	Nagai Island	
NGJA		Assam	
NGL		North Gasline	
NGN		Nagano	
NGNA		Nongstoin	
NGO		Nago	
NGO1		Nago	
NGP		Nagpur	
NGS		Nagasaki	
NGSJ		Nagasaki 2	
NGT		Nagatsuro	
NGZ		Ngauruhoe	
NH1		Sanbornton	
NHA		Nha−Trang	
NHB	C	Bethesda	
NHBM		Healdsburg	
NHC	C	New Haven	
NHF	C	Nausori Hi.	
NHIL	C	New Haven	
NHM	C	Niihama	
NHMM		Mt Hamilton Road	MHR
NHS	C	North Hampton	
NIA	C	Norfolk Island	
NIB		Nibetsu	
NIC	C	Nicosia	
NIE		Niedzica	
NII		Niigata	
NIIJ		Niigata 2	
NIK		Nikolski	
NIL	C	Nilore	
NIN	C	Ninilchik One	
NINI		Niniconang	
NIS		Nissan Is	
NIU	C	Niumate	
NIZ		Nizh Angarsk	
NJ2		Nanjing	
NJI		Nanjing	NAN
NJJ	C	Nii jima	
NJJJ		Nii jima 2	
NJW		Norris Junction	
NKA		Nikishka	
NKC		Nový Kostel	
NKE	C	Nake	
NKI	C	Nikolski	
NKL		Nikolayevsk	
NKM		Nakhla	
NKP	C	New Kensington	
NKR		Nakanohara	
NKS	C	Nakayama Pass	
NKT	C	Nankipoo	
NKY		Nikšić	
NL−	C	Nazlini	
NL2		Nazlini	
NLC		Natytchevo	
NLG		Nalgonda	
NLHM		Lake Herman	
NLM	C	Maryland	
NLO		Nicolai Mountain	
NLU		North Lily	
NLW		Nelson Butte	
NLY		Nelyaty	
NMA	C	Nantucket	
NMC		Nine Mile Canyon	
NMCC		N. Marianas Coll.	
NMD		New Madrid	
NMF		Viti Levu	
NMH		New Mexico Hi.	
NMHM		Mt St Helena	
NMM	C	New Madrid	
NMMO		New Madrid	
NMN		Nasa Mt.	
NMO	C	Norman	
NMR		Nemuro	
NMS		Namosi	
NMTM		Middletown	
NMUT		North Mineral	
NMWM		Mark W Springs	MAC
NMXM		Mix Canyon Road	MIX
NNA		Nana	
NNJ	C	Nakano	
NNK	C	Norton	
NNL		Ninilchik	
NNT		Nongplab	
NOA		NORSAR Array	
NOB		Nobeoka	
NOC	C	Nouméa	
NOCG		North−of−Casa	
NOH	C	Ma'ale Noah	
NOL		New Orleans	
NOLM		Olema	
NOM	C	Nome	
NOP		Nopah Range	
NOQ		N. Oquirrh Mts.	
NOR	C	Nord	
NORES		NORESS Array	
NOU		Nouméa	
NOUC		Port Laguerre	
NOV		Novara	
NOZ		North Gisborne	
NP−	C	North Pole	
NPA		Nampula	
NPH		North Pit	
NPI		N Pocatello V.	
NPL	C	Naples	
NPM		N Pahute Mesa	
NPN		N Pahroc Range	
NPO		Eielson Array	
NPR	C	Napier	
NPRI		New Reactor	
NPRM		Point Reyes	
NPS		Neápolis	
NPT		Nicholson Point	
NPZ	C	New Plymouth	
NR−	C	Niobrara River	
NRA	C	North River	
NRA0		NORESS Array	
NRA1		NORESS Array	
NRA2		NORESS Array	
NRA3		NORESS Array	
NRB1		NORESS Array	
NRB2		NORESS Array	
NRB3		NORESS Array	
NRB4		NORESS Array	
NRB5		NORESS Array	
NRC1		NORESS Array	
NRC2		NORESS Array	
NRC3		NORESS Array	
NRC4		NORESS Array	
NRC5		NORESS Array	
NRC6		NORESS Array	
NRC7		NORESS Array	
NRD	C	Nördlingen	
NRD1		NORESS Array	

Code		Station Name	Other Code
NRD2		NORESS Array	
NRD3		NORESS Array	
NRD4		NORESS Array	
NRD5		NORESS Array	
NRD6		NORESS Array	
NRD7		NORESS Array	
NRD8		NORESS Array	
NRD9		NORESS Array	
NRE0		NORESS Array	
NRI		Noril'sk	
NRIL		Noril'sk	
NRIS		Noril'sk	
NRK	C	Nurek	
NRL	C	Washington	
NRM	C	N Rainier Mesa	
NRMS		Noranda	
NRN		Naryn	
NRR		North Reno	
NRT	C	Northfield	
NRZ		Ngariki Road	
NSC	C	N Stonington	
NSD		Näsudden	
NSHM		St Helena Road	
NSLM		New Salem	
NSS		Namsos	
NST		Nakhon Sawan	
NSU		North Stansbury	
NT13		Thirsty	
NTA		Nevada Test Ar.	
NTBM		Tomales Bay	
NTI	C	Nordman	
NTK	C	Nunatak	
NTMM		Taylor Mountain	
NTP		Nathian	
NTPM		Mount Tamalpais	
NTYM		Taylor	
NUA	C	Nuabosi	
NUE		Niue	
NUK		Nuku'alofa	
NUM	C	Numazu	
NUR		Nurmijarvi	
NUT		Nurata	
NUXM		Nuxco	
NV1	C	North Anna 1	
NV2	C	North Anna 2	
NV3	C	North Anna 3	
NV4	C	North Anna 4	
NV5	C	North Anna 5	
NV6	C	North Anna 6	
NV7	C	North Anna 7	
NVL		N'lazarevskaya	
NVR		Nevrokopi	
NVS		Novosibirsk	
NW2		New River	
NWA		Narrogin	
NWAO		Narrogin (SRO)	
NWC		N Woods Club	
NWL		Newcastle	
NWRM		Wright Ranch	
NYA	C	Nyala	
NYC	C	Charley	
NYJ	C	Joshua Tree	
NYK		Nyköping	
NYM	C	Climax Mine	
NYR	C	Receiver Site	
NYRK	C	Nyeri	
NYS	C	Syncline Ridge	
NYV	C	Vern	
NZJ		Naze	
O			
O6A		E Barbuda OBS	
OA−	C	Oahu Island	
OAK	C	Oakfield	
OAQ	C	Quito	
OAR		Oum El Arais	
OAS		Oasis	
OAX		Oaxaca	
OBA	C	Oasis−Bungera	
OBB		Obsidian Butte	
OBC		Olympics−Bonidu	
OBG	C	Obi Garm	
OBH		Olympics	
OBHM		Bloomer Hill	
OBI		Obihiro	
OBK	C	Oberlin	
OBKA		Obir	
OBM		Ulan Bator	
OBN		Obninsk	
OBO		Obock	
OBR		Brabster	
OBS	C	Lamont Out−Stn	
OBZ		Oban	
OC2		Ocós 2	
OCA		Owens Crossr'ds	
OCF		Saint Nazaire	
OCG	C	Ocós	
OCHM		Cohasset Ridge	
OCM		Ochomogo	
OCN	C	Over Castle Rock	
OCO		Oklahoma City	
OCR		O'Connell Ranch	
OCWA		Octopus Mt	
OD2		Odessa Site 2	
ODAN		Odare	
ODB	C	Odobeşti	
ODD	C	Odda	
ODD1		Odda	
ODS		Odessa	
ODZ		Otahua Downs	
OFA		Oficina Alemania	
OFB		Ocean Falls	
OFD	C	Oued Fodda	
OFK		Olympics−Forks	
OFU		Ofunato	
OFUJ		Ofunato	
OGA		Obergurgl	
OGD	C	Ogdensburg	
OGE		Ogeu	
OGH		Oga	
OGOM		Van Goodin	
OGS		Ogasawara	
OGTN	C	Old Graveyard	
OGU	C	Ogden Bay	
OHC		O'Higgins	
OHCM		Honcut	
OHO		Hoy	
OHR		Ohrid	
OHS	C	Orange Hill	
OHTN		Owl Hoot	
OHW		Oak Harbor	
OIA		Oishiyama (A)	
OIB		Oishiyama (B)	
OIC		Oishiyama (C)	
OII		Orti	
OIS	C	Oishiyama	
OIT		Oita	
OIT2		Oita 2	
OIW	C	Oiwake	
OIZ		Oio	
OJC		Ojców	
OJEN	C	Ojén	
OJOS		Ojo de Agua	
OKA		Okayama	
OKA1		Okayama	
OKA2		Okayama 2	
OKC		Ostrava−Krásné	
OKG	C	Oak Grove	
OKH		Okha	
OKI	C	Okijuku	
OKL		Od Khalfella	
OKP	C	Ookiep	
OKS		Okushiri	
OKTD		Tabubil	
OKY		Okuyama	
OLB		Olbia	
OLC	C	Olema	
OLEF		Ile d'Oléron	
OLF	C	Olofström	
OLK	C	Olkaria	
OLL	C	Ollagüe	
OLLA		Las Ollas	
OLO	C	Oologah	
OLQ		Olympics−Lake	
OLT		Olot	
OLW		Olympia	
OLWK	C	Olkaria West	
OLY		Olyphant	
OLYC		Mount Olympus	
OMA		Omae zaki	
OME		Ometepe	
OMJ		Ohmine	
OMP		Cagayan Oro	CGP
OMS		Omsukchan	
OMW		Omak	
OMWY		Oxenhope Moor	
OMZ	C	Oamaru	
ONA		Onahama	
ONAJ		Onahama 2	
ONE	C	Onerahi	
ONF		Office Forêts	
ONG	C	Ongoro	
ONH		Oakhill	
ONI		Oni	
ONR		Olympics−N R.	
ONTN		Oneida	
ONTR		Ontario (NY)	
OO−	C	Oslo	
OOM	C	Omiya	
OOT	C	Ootomari	
OOW		Octopus West	
OPA		Opana	
OPL		Opal Mound	
OPO		Ambohidratompo	
OPT		Oil Point	
OR−	C	Orlando	
OR1		Oriolo Calabro	ORI
ORA		Oran	
ORAM		Rattlesnake Point	
ORB	C	Orbe	
ORC		Owens River	
ORE		Reay	
ORI		Oriolo Calabro	
ORIF		Oris−en−Rattier	
ORK	C	Örkelljunga	
ORL		Orlik	
ORO		Oropa	
ORT		Oak Ridge	
ORV		Oroville	
ORX		Oropa	
OSA		Osaka	
OSB		Orangeburg	
OSBY		Osborn	
OSC	C	Orangeburg	
OSCM		Ostuacán	
OSD		Olympics−Snow	
OSG		Oseberg A	
OSH	C	Oshima	
OSHJ		Oshima	
OSI		Osito Adit	
OSK		Osaka	
OSM		Ostula	
OSNY		Ossining	
OSP		Olympics−Sooes	
OSR		Olympics−Salmon	
OSS		Ova Spin	
OST		Stronsay	
OSTM		Stimpson Lane	
OSUM		Sutter Buttes	
OSWG		Oswego	
OT2		Othello	
OTBM		Table Mountain	
OTH		Othello	
OTI	C	Otiai	
OTO		Tongue	
OTP		Otepa	
OTR		Olympics−Tyee	
OTT		Ottawa	
OTW		Orongorongo T.	
OTZ		Ortiz Mountain	
OUA		Ouanaham	
OUJ		Oujda	
OUK		Oukaïmeden	
OUL		Oulu	
OUR		Ouranopolis	
OUT		Outlet	
OUZ		Omahuta	
OV1		Vesuviano	OVO
OVA		Ovalau	
OVE	C	Overton	
OVMT		Ovando	
OVO		Vesuviano	
OWA		Owase	
OWAM		Wyandotte	
OWE		Westray	
OWUT		Old Woman Plat.	
OWYM		Wyandotte	
OXD	C	Oxford	
OXF	C	Oxford (Ms)	
OXM	C	Oxtotitlán	
OXX		Oaxaca	
OYM		Oyama	
OZB		Mount Ozzard	
OZC		Ocozocoautla	
OZE		Ozernaya	
P			
PAA		Panguna	
PAB		San Pablo	
PAC	C	Palo Alto	
PACI		Pancar Gunung	
PACW		Pacific Creek	
PAD	C	Padua	
PADM		Adeladia	
PAE		Paea	
PAF		Port aux Français	
PAG		Le Parnasse	
PAGM		Antelope Grade	
PAGN		Pagan	
PAGV		Pagan Volcano	
PAH	C	Pahoa	
PAHR		Pah Pah Range	
PAHZ		Panekirikiri	
PAI		P Aileron	
PAIG		Paliouri	
PAJ		Port Antonio	
PAKY		Paducah	
PAL		Palisades	
PALM	C	Palmichal	
PALR		Palma Real	
PAM		Palermo	
PAN	C	Panimávida	
PAND		Andorre	
PANI		Panarotta	
PANM		San Antonio Res.	
PANV		Panamint Range	
PAO		Baotou	BTO
PAP	C	Pandan	
PAPM		Alder Peak	
PAR		Paris	
PARB		Paraibuna	
PARD		Parod	
PARM		Anticline Ridge	
PAS		Pasadena	
PASI		Pasiripis	
PAT		Patras	
PATW		Paterson	
PATZ		Paeroa	
PAU		Pauzhetka	
PAV		Pavia	
PAX		Paxson	
PAY		Chiapas	
PAYG		Puerto Ayora	
PB−	C	Parsons	
PBA		Port Blair	
PBC		Punta Burica	
PBEJ		Beja	
PBF		Porcher Bluff	
PBG		Petersburg	
PBJ		Presa B. Juárez	
PBQ		Poste Baleine	
PBRG		Bragança	
PBRM		Bassetti Ranch	
PBS	C	Pigeon Bay	
PBU	C	Perry Basin	
PBV		Petersburg	
PBVM		Piñon	
PBWM		Bitterwater Creek	BTW
PBX		Punta Banda	
PBYM		Bryson	
PC−	C	Picayune	
PCA		Pinnacle	
PCAM		Castle Mt.	CTM
PCB		Port Clements	
PCBI		Pancar Batu	
PCBR		Castelo Branco	
PCC		Pilarcitos Creek	
PCF		Pomona	
PCG		Pacaya	
PCGM		Cerro Alto	
PCH		Pirque	
PCHF		Pas de la Coche	
PCI		Palu	
PCID		Pole Creek	
PCJ		Portland Cottage	
PCL		Pacheco Lake	
PCM		Pelée Case Petit	
PCMT		Pistol Creek	
PCN		Piacenza	
PCNE		Platte Center	
PCO		Ponca City	
PCP		Pian Castagno	
PCR	C	La Plaine Cafres	
PCRM		Curry Mountain	
PCRV		Puerto La Cruz	
PCS	C	Paracas	
PCT		Pak Chong	
PCU		Price	
PCY		Pole Canyon	
PCYT		Pengchaiyu	
PD−	C	Princeton	
PD01		Pinedale Array	
PD02		Pinedale Array	
PD03		Pinedale Array	
PD04		Pinedale Array	
PD05		Pinedale Array	
PD06		Boulder Array	BW06
PD07		Pinedale Array	
PD08		Pinedale Array	
PD09		Pinedale Array	
PD10		Pinedale Array	
PD11		Pinedale Array	
PD12		Pinedale Array	
PD13		Pinedale Array	
PDA		Ponta Delgada	
PDAR		Pinedale Array	
PDB		Pedro Bay	
PDC	C	Pieve di Cadore	
PDCR		Pedra do Cavalo	
PDD	C	Puy−de−Dôme	
PDEM		Puerto del Eden	
PDG		Podgorica	TTG
PDHT		Panda Hill	
PDI	C	Porto d'Ischia	
PDMC		Merrill Creek	
PDP		Pandan	
PDRM		Domengine	
PDTN		Piedmont	
PDUI		Pindiu	
PDY		Peleduy	
PE−	C	Pineville	
PEA		Pea Ridge	
PEC		Perris	
PECR		Pechory	
PECU	C	Ecuador Network	
PED	C	Pedro Cerda	
PEH		Beibei	
PEI	C	Peine	
PEK		Beijing	BJI
PEL		Peldehue	
PEM		Pine Mt.	
PEMC		Merrill Creek	
PEN	C	Pensacola	
PENI		Pendagan	
PENM		Chiapas	
PEO		Puerto Escondido	
PEP		Pantabangan	
PER	C	Perth	
PERF		Col du Perthus	
PERT		Perşembe	
PES	C	Peshawar	
PET		Petropavlovsk	
PEV		Pleasant Valley	
PEX		Puerto Escondido	
PF−	C	Pickford	
PFA	C	Pierce Ferry	
PFB		Port Renfrew	
PFBV		Barranco	
PFFO		Foia	
PFH		Pahoa Fire House	
PFMC		Merrill Creek	
PFMF		Monte Figo	
PFO		Pinyon Flat Obs.	
PFPE		Pêra	
PFSB		S. Bartolomeu	
PFSC		Santa Clara	
PFVI		Vila Bisbo	
PG−	C	Prince George	
PGA	C	Paragould	
PGB		Panagyurishte	
PGC		Sidney	
PGD		Poggio Sodo	
PGE	C	Panamint Range	
PGF		Pioggiola	
PGHM		Gold Hill	GHC
PGM		Pleasant Grove	
PGO		Gresham	
PGOM		Puerto del Gallo	
PGP		Puerto Galera	
PGS	C	Pagosa Springs	
PGW		Port Gamble	
PGY		Peter Gray Mt.	
PGZ	C	Pongaroa	
PHA	C	Port Heiden	

Code		Station Name	Other Code
PHAM		Harlan Ranch	
PHBM		Huron Bridge	
PHC		Port Hardy	
PHCM		Hearst Castle	
PHEL		Phelps	
PHGM		Hog Canyon	
PHH	C	Puu Huluhulu	
PHI	C	Philadelphia	
PHNC		Paralimni	
PHO		Puu Honuaula	
PHP		Peshkopia	
PHRM		Hernandez Valley	HVC
PI−	C	Pinedale	
PI1	C	Pinedale	
PI2	C	Pinedale	
PI3	C	Pinedale	
PI4	C	Pinedale	
PI5	C	Pinedale	
PI6	C	Pinedale	
PI7	C	Pinedale	
PIA		Pitten	
PIB	C	Pender Island	
PIC		Picacho Peak	
PICO		Pico	
PICS		Picacho	
PID		Ribeirinha	
PIE	C	Pietermaritzburg	
PIED		Piedade	
PIG		Pigeon Point	
PII		Pisa	
PIL		Pilar	
PIM		Presa Infiernillo	
PIN	C	Pinedale	
PINC		Pinc	
PINI		Pine Creek	
PINM		Pinnacle	PCA
PINO		Pino	
PINR	C	Pinar	
PIO		Pinotepa	
PIP		Pasuquin	
PIR		Pirmasens	
PIS	C	Pisa	
PISA		Pisayambo	
PIT	C	Pittsburgh	
PIU	C	Piute Mountains	
PIV	C	Piva	
PIVM		Indian Valley	
PJC		Pensacola Coll.	
PJD	C	Pedro Dome	
PJG		Potts Junction	
PJLM		Jolan Road	
PJRM		Jolon Road	JOL
PK−	C	Pilot Rock	
PK1		Gold Hill	GHC
PK2		Work Ranch	WKR
PK3		Taylor Ranch	TRC
PKA		Prieska	
PKC		Peckham Road	
PKD		Parkfield	
PKD1		Parkfield	
PKEM		Kettleman Hills	
PKF		Parkfield Array	
PKH		Park Hill	
PKI		Pulchoki	
PKK		Porkkala	
PKKY		Potato Knob	
PKL		Puu Kaliu	
PKM		Peak Mountain	
PKNC		Pores Knob	
PKO		Pickens	
PKR	C	Le Roux Dam	
PLA	C	Palau	
PLAL		Pickwick Lake	
PLAT		Plata	
PLAV		Platillón	
PLBC		Pleasant Camp	
PLC	C	Palomares Rd	
PLCA		Paso Flores	
PLD		Plovdiv	
PLDF		La Plantade	
PLE		Pljevlja	
PLEC		Pleito Hills	
PLG		Polygyros	
PLH		Pulheim	
PLI		Panarea	
PLIG		Platanillo	
PLL		Puu Ulaula	
PLM		Palomar	
PLMI		Pala−Maneri	
PLML		Palmela	
PLN		Plauen	
PLO		Pochutla	
PLOM		Lone Oak Road	LRC
PLP		Palo	
PLR		Palermo	
PLRM		Palmer USGS	
PLRO		Paularo	
PLS	C	Point Lisas	
PLT		Pilot Knob	
PLU		Palu	
PLV		Phù−Liễn	
PLVA		Point Lookout	
PLY		Plymouth	
PM−	C	Pole Mt.	
PMA	C	Port Moller	
PMB		Pemberton	
PMC	C	Poorman Mine	
PMCB		Calebasse	
PMCM		McMillan Canyon	
PME	C	Palmer East	
PMG		Port Moresby	
PMGM		Santa Margarita	
PMJU		Montehunto	
PMK		Pointe Molloy	
PML		Morne Lénard	
PMM		Presa Malpaso	
PMMC		Merrill Creek	
PMN	C	Pahute Mesa	
PMO		Pomariorio	
PMP	C	Pompeii	
PMPM		Monarch Peak	MOP
PMR		Palmer	
PMRM		Maxey Ranch	
PMS		Palmer South	
PMSA		Palmer Station	
PMT	C	Pine Mountain	
PMV		Pico Espejo	
PMW	C	Pole Mt.	
PN−	C	Pine Creek	
PN1		Presa Penitas 1	
PN2		Presa Penitas 2	
PN3		Presa Penitas 3	
PN4		Presa Penitas 4	
PN6		Pavlof North−6	
PN7A		Pavlof North−7A	
PNA		Partacoona	
PNB	C	Pomio	
PNBI		Panbari	
PNC	C	Pine Canyon	
PNG		Penghu	
PNH		Pitcher Mountain	
PNI		Pinerolo	
PNIG		Pinotepa	
PNJ	C	Paterson	
PNK	C	Pinkham Creek	
PNL		Peninsula	
PNMC		Pinto Mountains	
PNN		Pinnacle Mt.	
PNN*	C	Penang	
PNO		Pendleton	
PNP		Penuelas	
PNR	C	Penrod	
PNS	C	Peñas	
PNT		Penticton	
PNY		Plattsburgh	
PO−	C	Post	
PO9		Polino	POI
POA	C	Poás	
POA2		Poás 2	
POB		Polly Butte	
POBI	C	Pontebba	
POC	C	La Pocatière	
POE		Porton East	
POF		Pofadder	
POG		Pongola	
POGM		Potrero Grande	
POH		Pohoiki	
POI	C	Polino	
POL	C	Pola	
POM	C	Pomona	
PON	C	Ponce	
POO		Poona	
POP	C	Popondetta	
POR	C	Portland	
PORM		Chiapas	
PORP		Portuguez	
POS	C	Porton South	
POT		Potsdam	
POU		Pouilloux	
POW	C	Powhatan	
PP−	C	Pipestone	
PP02		Calachota	
PP03		Condor	
PP04		Saramarca	
PP05		Tocota	
PP06		Puquio	
PP07		Ayacucho	
PP08		Chalhuanca	
PP09		Villa El Salvador	
PP10		Ancón	
PPA	C	Pie de Palo	
PPC	C	Pine Pass	
PPCY		Paphos	
PPD		Presidente	
PPE		Popeni	
PPFM		Parkfield Array	PKF
PPH		Pasian Peak	
PPI		Padang Panjang	
PPK		Piper Mountain	
PPL		Puu Pili	
PPM		Popocatépetl	
PPN		Papenoo	
PPNM		Papanoa	
PPOM		Papayo	
PPR		Pto Princesa	
PPRM		Paso Robles	
PPS		Pierpont	
PPT		Papeete	
PPTM		Peach Tree Valley	PTV
PPU	C	Promontory Point	
PPZ	C	Puysegur Point	
PQ0	C	Cooper Hill	
PQ1	C	East Ridge	
PQN		Pahaquarry	
PR−	C	Palmyra I.	
PRA		Prague	
PRAC		Prado	
PRAF		Pradon	
PRAV		El Prado	
PRC	C	Point Reyes	
PRCM		Roach Canyon	
PRE	C	Pretoria	
PRF		Porvoo	
PRG		Perugia	
PRI		Priest	
PRIN		Princeton (NJ)	
PRJ		Port Royal	
PRK		Paraskevi	
PRL		Portalegre	
PRLS		Pirkuli	
PRM		Parsons Mt.	
PRN		Pahroc Range	
PRNI		Paran	
PRO		Pesaro	
PRP		Porcupine Dome	
PRR	C	Perris	
PRS		Paraiso	
PRST		Prospect	
PRT		Prato−Toscana	
PRU		Průhonice	
PRV	C	Porvoo	
PRW		Prosser	
PRY		Parys	
PRYA		Perryville	
PRZ		Przheval'sk	
PS1		Pesaro	PRO
PS1A		Pavlof South−1A	
PS4	C	Pavlof South−4	
PS4A		Pavlof South−4A	
PSA		Petersburg	
PSAM		San Ardo	
PSC	C	Isla de Pascua	
PSD		Pescadero	
PSEM		See Canyon	
PSF	C	Port Stanley	
PSG	C	Pto de San José	
PSG2		Pto San José 2	
PSH		Peshawar	
PSHM		Shandon	
PSI		Prapat	
PSM		Palmasola	
PSMM		Smith Mountain	
PSN		Preselentsi	
PSO		Pasto	
PSP		Palm Springs	
PSR		Paul Sauer Dam	
PSRM		Scobie Ranch	
PST	C	Pasture Canyon	
PSTM		Stockdale Mt.	
PSZ		Piszkesteto	
PT−	C	Pendleton	
PT01		Morro Solar	
PT02		Quilmaná	
PT03		Guadalupe	
PT04		Zamaca	
PT05		Jicamarca	
PT06		Pisco	
PT08		Suche	
PT09		Santa Fe	
PT10		Camacho	
PT11		Juni	
PT2		Point Dume	
PTA	C	Punta Arenas	
PTB	C	Point Barrow	
PTC		Porto Cannone	
PTCN		Pitcairn Island	
PTCR		Potenciana	
PTD		Portland	
PTE		Portage	
PTEO		S. Teotónio	
PTG	C	Portageville	
PTGA		Pitinga	
PTH		Pithoragarh	
PTI		Pocatello Creek	
PTJ		Puntijarka	
PTL		Penteli	
PTM		Pietermaritzburg	
PTMB		Pôrto Murtinho	
PTN		Potsdam (NY)	
PTO		Porto	
PTP	C	Ponta Puerca	
PTR		Peterson	
PTRM		Twissleman	
PTS		Pantelleria	
PTT		Piatra Neamţ	
PTU		Portage	
PTV		Peach Tree Valley	
PTVM		Pico Tres Padres	
PTYM		Taylor Ranch	TRC
PTZ		Petauke	
PU−	C	Purvis	
PUB		Puale Bay	
PUCR		Pucara	
PUE		Puebla	
PUH		Pauahi	
PUK		Puka	
PUL		Pulkovo	
PULI		Pulasari	
PUN		Puno	
PUNE		Pune	
PUP	C	Pupakea	
PUR		Purari	
PURC		Volcán Puracé	
PUS	C	Pusan	
PUT		Punta Talca	
PUTN		Putnam	
PUU	C	Piute Reservoir	
PUV		Pulaski	
PUYF		Puyloubier	
PUZ		Puketiti	
PV−	C	Perryville	
PV01		Paradox Valley	
PV02		Paradox Valley	
PV03		Paradox Valley	
PV04		Paradox Valley	
PV05		Paradox Valley	
PV06		Paradox Valley	
PV07		Paradox Valley	
PV08		Paradox Valley	
PV09		Paradox Valley	
PV10		Paradox Valley	
PVC		Port Vila	
PVF		Pernaja	
PVIS		Viseu	
PVL		Pavlikeni	
PVN	C	Peters Valley	
PVP	C	Pueblo Viejo	
PVPS		Palos Verdes	
PVR	C	Palos Verdes	
PVRC		Palos Verdes	
PVRL		Vila Real	
PVV		Pavlof Volcano	
PVY		Plav	
PW−	C	Pontiac	
PWA		Palmer West	
PWH		Poliokeawe Pali	
PWKM		Work Ranch	WKR
PWL		Port Wells	
PWLA		Pickwick Lake	
PWM	C	Pinawa	
PWMM		Westland	
PWP	C	Barrio Florida	
PWS	C	Pulau−Weh	
PWTG		Paul Wright Tr.	
PWV		Princeton WV	
PX−	C	Philippi	
PXO		Oaxaca	
PY−	C	Payson	
PYA		Pyatigorsk	
PYF		Esparros	EPF
PYM		Petit Puy Manson	
PYN		Poneloya	
PYO	C	Pyŏngyang	
PYR		Pyramid	
PYT		Playitas	
PYUN		Piuthā n	
PZ−	C	Ponce	
PZCI		Patelzick Creek	
PZI		Palazzolo	
PZX	C	Poza Rica	
PZZ		Prazzo	
Q			
QAL		Quail Lake	
QASM		Qassim	
QASN		Qassioun	
QBC		Québec	
QC−	C	Queen Creek	
QCC		Queen Charlotte	
QCI	C	Quattro Castella	
QCL		Québec	QBC
QCP		Quezon City	
QCQ		Québec	QBC
QCR		Quepos	
QCS		Queen City	
QHRO		Qairoon Hariti	
QHW		Quartz Hill	
QIB		Qibla Bandi	
QIL1		Quilotoa	
QIS		Mount Isa	
QITI		Quititos	
QIZ		Qiongzhong	
QLMT		Earthquake Lake	
QLNY		Queensboro Lake	
QLP		Quilpie	
QMB	C	Queensbury	
QMO	C	Quartz Mountain	
QN−	C	Quesnel	
QPS		Quepos	
QRI		Quarto	
QRN		Al−Qurain	
QRV	C	Quinn River V.	
QRZ		Quartz Range	
QSM		Queen of Sheba	
QSR		Quien Sabe	
QTBJ		Casr Tuba	CSTJ
QTFJ		Qatafi	
QTN		Queenstown	
QTO	C	Quito	
QTRJ		Qatrana	
QUA	C	Quabbin	
QUA2		Belchertown	
QUAR		Qualls	
QUE		Quetta	
QUI	C	Quito	
QUIF		Quistinic	
QUIL		Quilotoa	
QUL		Quillagua	
QUM	C	Quillmana	
QUND	C	Qund	
QUR		Rumipamba	
QUT	C	Tumbaco	
QUTJ		Qutrana	
QVP		Quezon City	
QZA		Quezalapa	
QZG		Quezaltepeque	
QZH		Quanzhou	
QZN		Quanzhou	QZH
QZO		Quartz Mt.	
R			
RAB		Rabaul	
RABH		Abou Rabah	
RAC		Racibórz	

Code		Station Name	Other Code
RAEZ		Rainy Point	
RAGM		Ragged Mountain	
RAI		Raspberry Island	
RAIO		Rainier	
RAK	C	Rakhov	
RAL		Rabalanakaia	
RAM		Raman	
RAMA		Ramapo Mt.	
RAMN		Ramite	
RAMW		Rammel Mt.	
RAN	C	Rangoon	
RANB		Rancho Bola	
RANI		Rangndo	
RAO		Raoul Island	
RAP	C	Rapindik	
RAR		Rarotonga	
RAT	C	Rat Island	
RATI		Rata	
RATZ		Rangitukua	
RAV	C	Ravensburg	
RAY		Raywood Flat	
RBA		Rabat	
RBC	C	Rio Blanco	
RBH		Pihur	
RBL	C	Raibl	
RBN	C	Rybnik	
RBNC		Richland Balsam	
RBU		Red Butte Can.	
RBY	C	Rainbow Mt.	
RBZ	C	Rabat Zaers	
RC1		Royal City	
RCC		Río Carpintero	
RCD		Rapid City	
RCG		Rock City	
RCH		Reche Mountain	
RCI		Reggio Calabria	
RCJ		Ross Creek	
RCL		Mte Valcellina	
RCP2		Recreation Park	
RCR		Cape Wrath	
RCS		Mount Rainier	
RCT		Riceville	
RCW		Richland	
RCWM		Renegade Can. W	
RDF		Al−Radīfah	
RDG		Rabinal	
RDJ		Rio de Janeiro	
RDM		Round Mountain	
RDN		Redoubt North	
RDO		Rodhópi	
RDP	C	Rocca di Papa	
RDS		Siegrist	
RDT		Redoubt	
RDW		Redoubt West	
RDX		Rancho Dowling	
RE1		Mte Valcellina	RCL
REB		Eisghbrachaidh	
REC		Recreo	
RECU		Ecuador Network	
RED		Redoubt Volcano	
REDP		Redondo Peak	
REDW		Red Top Meadow	
REF		Redoubt E Flank	
REG		Rock Eagle	
REG*		Regar	RGR
REI		Reidovoe	
REL	C	Relizane	
RELT		Roellen	
REM		Remote	
REMR		Mount Rainier	
REMW		Rembrandt	
REN	C	Reno	
RER		Plaine−des−Cafres	
RES		Resolute Bay	
RESF		Ens	
RESI		Resinera	
RETU		Refugio	
REU		Réunion	
REVF		Revere	
REX		Rexburg	
REY		Reykjavík	
REYF		Montagne du Rey	
RFA		San Rafael	
RFI		Roccamonfina	
RFM	C	Reservoir Flats	
RFO		Forsnaval	
RFSB		Richmond Field	
RFVM		Rio Frio	
RG−	C	Redig	
RGC		Rangely	
RGD		Ragged Mountain	
RGN		Rügen	
RGR		Regar	
RGRS		Roger Stewart	
RGS		Rognes	
RGZ	C	Rangipo	
RHA		Reichold	
RHD		Arkhángelos	ARG
RHJ		Red Hills	
RHM		Río Hardy	
RHO	C	Rhodes	
RHP	C	Rhoboro Hills	
RHT		Red Hill	
RHU		Roosevelt Spr.	
RIA		Ribeira da Areia	
RIA0		Ribeira da Areia	RIA
RIB		Ribeirinha	
RIB2		Ribeirinha	
RIC	C	Richmond	
RICH		Rich Mountain	
RIFB		Rifaina	
RIM		Rim	
RIN	C	Volcán Rincón	
RIN2	C	Volcán Rincón	
RIN3		Volcán Rincón	
RIO	C	Rio Grant	
RIU		Riou	
RIV		Riverview	
RIY		Rijeka	
RJF		Les Réjaudoux	
RK−	C	Red Lake	
RKG		Rocky Gully	
RKS		Reko	
RKT		Rikitea	
RL−	C	Rib Lake	
RLA		Relizane	
RLO		Rose Lookout	
RLS		Riolos of Patras	
RLSP		Rockland Lake	
RLW		Rice Lake	
RMA	C	Rockefeller Mts	
RMB		Rombauer	
RMG		Rome (USA)	
RMJ		Rumoi	
RMN		Mount Ramon	
RMNI		Mount Ramon	
RMO	C	Rochester (NY)	
RMP		Rome, Mte Porzio	
RMQ		Roma	
RMR		Rimrock	
RMT		Round Mt.	
RMU	C	Rainbow Mont	
RMW		Rattlesnake Mt.	
RN−	C	Rainelle	
RNC		Little Raleigh	
RND		Reindeer	
RNI		Roncone	
RNO		Roman Nose	
ROB		Roburent	
ROC		Rochester	
ROCH		El Roble	
ROD		Rodman Mt.	
ROF		Roppe	
ROG		Rognes	
ROH	C	Rohtak	
ROI		Rossano	
ROKY		Rotten Point	
ROL		Rolla	
ROM	C	Rome	
RON	C	Remote	
ROS	C	Roseneath	
ROSA		Rosais	
ROSC		El Rosal	
ROSF		Rostrenen	
ROT	C	Rotorua	
ROTD		Rotterdam (NY)	
ROTZ		Rotzenmühle	
ROU	C	Rougiers	
ROW		Rowesville	
ROX	C	Roxburgh	
RPA		Roopena	
RPK		Roosevelt	
RPN		Rapa Nui	
RPT		Raluana Point	
RPV		R. Palos Verdes	
RPW		Rockport	
RRD	C	Roosevelt Roads	
RRH		Rhenigidale	
RRI	C	Red Ridge	
RRI2		Red Ridge	
RRL		Cesana Torinese	
RRO		Red Rock Canyon	
RRP	C	Roosevelt Roads	
RRR		Rubha Reidh	
RS−	C	Russell Springs	
RS1		Redoubt South 1	
RS2		Redoubt South 2	
RSA		Sarsar	
RSB	C	Ravensbos	
RSC		Scourie	
RSCP		Cumberland Plat.	
RSD		Rainshed	
RSHJ		J Risha	JRSJ
RSJ		Rancho San Jose	
RSL		Roselend	
RSM		Rep. San Marino	
RSNT	C	Yellowknife	
RSNY	C	Adirondack	
RSO		Redoubt South	
RSON	C	Red Lake	
RSP		Reno Superiore	
RSRB		San Rafael Bridge	
RSSD		Black Hills	
RST		Umm Al−Ruwaisat	
RSTA		Tijuco Alta	
RSUT		Red Spur Mt.	
RSV		Radio Antilles	
RSW		Rattlesnake Hills	
RT−	C	Raton	
RTA	C	Riberalta	
RTB		Rutbah	
RTBS		Barreal	
RTC		Rabat Centre	
RTCB		Cerro Blanco	
RTCV		Cerro Valdivia	
RTLL		Cerro Villicun	
RTLS		Leoncito	
RTMM		Retamin	
RTMQ		Marquesado	
RTN		Rota	
RTO		Tolsta	
RTPR		Patquia	
RTRS		Rodeo	
RTV		Rentapao	
RTY		Rotoiti	
RUB		Prince Rupert	
RUM	C	Rumangabo	
RUMJ		Er Rumman	
RUN		Ruthven	
RUN2		Runtun	
RUND		Rundenannen	
RUP		Ruppelstein	
RUS		Russkaya	
RUSC		La Rusia	
RUT	C	Ruth	
RUV		Rauvai	
RUWJ		Ruweisid	
RUZ	C	Raurimu	
RVC		Mount Rainier	
RVCM		Rose V. Central	
RVE	C	Reveille Range	
RVM		Rio Vista Mine	
RVR		Riverside	
RVS		Riverside Mts	
RVUT	C	Riverside	
RVVM		Revivim	
RVW		Rose Valley	
RW1		Ridgway	
RW2		Ridgway	
RW3		Ridgway	
RW4		Ridgway	
RW5		Ridgway	
RW6		Ridgway	
RXF		Rexford	
RY−	C	Ryder	
RYB		Rybach'ye	
RYD		Riyadh	
RYN		Ryan	
RYS		Reyes Peak	
RZN		Rozhen	
S			
SA−	C	Seneca	
SA2		San Angelo	
SA4		San Angelo	
SAA	C	Sakai	
SAB		Saberio	
SABC		Sabc	
SAC		San Andreas	
SACA		Loma Carmona	
SAD		Saidpur	
SADA		Sadah	
SADC		Saddle Peak	
SADO		Sadowa	
SAE	C	Statte	
SAF	C	Zefat	
SAG		Saga	
SAGI		Saggi Highlands	
SAH		Sawauchi	
SAI		Saigō	
SAIU		S. Antelope I.	
SAJV		Sajaritas	
SAK		Sakata	
SAL		Salò	
SALA		Sala	
SALC		Salvajina	
SALF		Salau	
SALI		Salinas	
SALJ		Salt	
SALT		Sultana	
SAM		Samarkand	
SAN		Santiago	
SANY		Sanborn	
SAO		SanAndreas Obs.	
SAOF		Saorge	
SAP		Sapporo	
SAPN		Saipan	
SAR		Sarajevo	
SARO		Sassorosso	
SARP		Sargodha	
SAS	C	Saskatoon	
SASA		Sand Point	
SAT	C	Sang−Tuda	
SATS		Thornton Park	
SAU	C	Saltair	
SAV		Savannah	
SAW		Saint Andrews	
SAX	C	Saentis	
SAZ		Santa Maria I.	
SBA		Scott Base	
SBB		SaddleBack Butte	
SBC		Santa Barbara	
SBCZ	C	Sonora Basin	
SBD		Saint Breward	
SBDP		Sheikh Budin	
SBE	C	Sebeş	
SBF		Sospel	
SBG		Sibinal	
SBH		Shibata	
SBI		Santa Barbara Is	
SBID		Snowbank Mt.	
SBK		Seabrook	
SBKC		Saddleback Mt.	
SBL	C	Sacbachol	
SBM		South Baldy	
SBN		Saba	
SBO		Springbok	
SBP	C	Subic Bay	
SBQ		Sherbrooke	
SBR		S Black Range	
SBS		Sidi−Bou−Said	
SBT		San Benito	
SBU	C	Stansbury I.	
SBVC		San Bernadino V.	
SBY	C	Sand Bay	
SC−	C	Sutcliffe	
SCA	C	Santa Cruz	
SCB	C	Scarborough	
SCC	C	Santa Cruz (USA)	
SCCM		Colson Canyon	
SCE		Schlegeis	
SCF	C	Sheep Cr.	
SCG		Saint Claude	
SCH	C	Schefferville	
SCHQ		Schefferville	
SCI		San Clemente I.	
SCK		South Creake	
SCL	C	Santa Clara	
SCM		Sheep Creek Mt.	
SCN		Sunset Crater	
SCO	C	Scoresbysund	
SCP		State College	
SCP1	C	State College	
SCR	C	San Cristóbal	
SCS	C	Sicasica	
SCT	C	Scotty Lake	
SCU	C	Sheep Canyon	
SCUM		Serra do Cume	
SCV	C	Saint Croix	
SCW	C	Sherman Crater	
SCX		San Cristóbal	
SCY		Stone Can. Res.	
SCZ		Santa Cruz	
SDA		Shkodra	
SDB	C	Sá da Bandeira	
SDC	C	San Diego	
SDCA		Salto do Cavalo	
SDD		Santo Domingo	
SDE		Santiago Estero	
SDEM	C	Sadie Cove	
SDF		Sodankyla	
SDG		Sourdough	
SDH		Striped Hills	
SDI		San Donato	
SDJ	C	Sanada	
SDL		Saddle Mountain	
SDM		Santiago Maria	
SDN		Sand Point	
SDO	C	Salado	
SDOM		Mount Sodom	
SDR		Surduc	
SDS		Sanat. Durán	
SDV		Santo Domingo	
SDW		Sidewinder Mine	
SE−	C	Sleepy Eye	
SEA		Seattle	
SEB	C	Sibenik	
SEC		Stevens Creek	
SEF		Safīd Rūd	SRI
SEG		Port Louis	
SEH		Sehore	
SEJ		Sejong Station	
SEK		Senekal	
SEL		Semlyachik	
SEM		Semipalatinsk	
SEMI		Semponon	
SEN		Sendai	
SEO		Seoul	
SER		Sermur	
SES		Suffield	
SET		Sétif	
SETA		Sete Cidades	
SEV	C	Sevastopol'	
SEW		Seward	
SEY		Seymchan	
SEYC	C	Seychelles	
SF−	C	Snowflake	
SFA	C	Seven Falls	
SFB	C	San Francisco	
SFC		San Francisco	
SFDO		San Fernando	
SFF		Sheffield	
SFG		Saint Francois	
SFI		Santa Sofia	
SFJ		Sondre	
SFJM		Santa Fe	
SFK		Sufi−Kurgan	
SFL		San Felipe	
SFM		San Francisco	
SFN		Sterling Forest	
SFO	C	Sterling Forest	
SFP		San Felipe	
SFR	C	San Francisco	
SFS		San Fernando	
SFT		Stanford	
SFTN		Shelby Forest	
SFTX		Fort Shafter	
SFUC		San Fernando	
SG−	C	Seligman	
SGA	C	Stephens Glacier	
SGAM		Sherman Glacier	
SGAS	C	Stånga	
SGB		San Diego Bay	
SGC		Saratoga	
SGE		South Ridge	
SGG		Gregorio Matese	
SGH		Sud−Ghoubbet	
SGI	C	San Gémini	
SGK		Hsinkong	HSI
SGKT		Sivrigöynük	
SGL		Mount Signal	
SGM		Silver Gate	
SGMF		Saint Gilles	

Code		Station Name	Other Code
SGN	C	Springfield	
SGNT		Sidi Gnaou	
SGO		Sicignano	
SGP	C	San Gregorio	
SGR		Segré	
SGS		St George	
SGT		Sevinç	
SGU		Sterling	
SGV		S Grapevine	
SGW		Sigmaringen	
SGY		Signy Island	
SH−	C	Shamokin	
SHA		Spring Hill	
SHB		Sechelt	
SHBJ		Al Shahba	
SHC	C	Mt Saint Helena	
SHD		Shahrud	
SHE		Shemakha	
SHEL		St Helena Is.	
SHF	C	Shawinigan Falls	
SHG		Shirttail Gulch	
SHGH		Shai Hills	
SHH		Sheep Hole Mts	
SHI		Shīraz	
SHID	C	Shide	
SHIO		Shillong	
SHJ		Shiono misaki	
SHK		Shiraki	
SHL		Shillong	
SHLN	C	St Helena Is.	
SHM	C	Shimizu	
SHMJ		Saham	
SHN		Shimonoseki 3	
SHN1		Shimonoseki	
SHNJ		Shimonoseki 2	
SHO		Shikotan	
SHP	C	Santa Helena	
SHR		Shirakawa	
SHRA		Al Sharaya	
SHRF		Sharaf	
SHRG		Sheep Range	
SHRJ		Shirakawa 2	
SHS	C	Shasta Dam	
SHTN	C	Sandy Hook	
SHTS		Shaartuz	
SHU		Shuyak Island	
SHW		Mt Saint Helens	
SHWJ		Shawbak	
SHY		Shemya	
SHZ		Shizuoka	
SHZ3		Shizuoka 3	
SHZJ	C	Shizuoka 2	
SI−	C	Smithers	
SI2		Simi Peak	
SIA	C	Xi'an	
SIBI		Sibayak Dolok	
SIC		Sept Îles	
SID		Sida	
SIE		Siena	
SIERE		Sierre	
SIG	C	South Ingalls	
SIH		Signal Hill	
SII		Sitkinak Island	
SIL		Silver Peak	
SILC		Silvia	
SIM		Simferopol'	
SIMI		Simarbalatuk	
SIN	C	Shinagawa	
SIND		Sindeldorf	
SING		Singapore	
SINI		Singah	
SIO		Slick	
SIP		Shinkiari	
SIPM		Chiapas	
SIR		Siria	
SIS	C	Sion	
SIT		Sitka	
SIU		Simushir	
SIUC		S. Illinois Univ.	
SIV		San Ignacio	
SIY	C	Silver City	
SIZ		Stewart Island	
SJ−	C	San Jose (USA)	
SJA		San Juan	
SJAF		Ste Jean	
SJAS		San Jacinto	
SJB		Cape St James	
SJC	C	San Javier	
SJG		San Juan (W)	
SJGC		San Juan (W)	SJG
SJH		St Joseph	
SJI		Sawahan	
SJID		St Joe	
SJM	C	San José Maipo	
SJMO	C	St John's Bayou	
SJN	C	San Juan, Perú	
SJP	C	San Juan	
SJPF		Ste Jean	
SJQ	C	San Joaquin Res.	
SJR	C	San José	
SJRM		San Jerónimo	
SJS		Escuela Geología	
SJT	C	SanJuan Tecuaco	
SJU		San Juan	
SJV		Saint John	
SJX		San Joaquín	
SK−	C	Shamrock	
SKA	C	Skalstugan	
SKB		Skidegate	
SKD		Sitkalidak I.	
SKDB		St Kitts 2	
SKG		Skaggs Springs	
SKH		Sakata 2	
SKI		St Kitts	
SKK	C	Sikka	
SKL	C	Cooper Landing	
SKLY	C	Ski Hill Lift	
SKN	C	Skaneateles	
SKO		Skopje	
SKR		Severo−Kuril'sk	
SKT		Skwentna	
SKT*		Shikotan	SHO
SKU	C	Sakura	
SKW		Shichikawa	
SKY		Skíros Island	
SL−	C	Sault Ste Marie	
SLA		San Lorenzo	
SLB		Belfond	
SLBC	C	Solana Beach	
SLC		Salt Lake City	
SLD		San Luis Dam	
SLE		Schleitheim	
SLEB		Sale Mountain	
SLF		Silifke	
SLG	C	Sinonel	
SLI	C	Saint Lucia	
SLK	C	Susurluk	
SLKI		Saumlaki	
SLKM		Skilak Lake	
SLKY		Flemingsburg	FLKY
SLL		Stollet	
SLM		Saint Louis	
SLMH		Al Salmeh	
SLMT		Seeley Lake	
SLN		Salinas	
SLNF		Slenfeh	
SLP		San Antonio	
SLQ		St Louis Ha Ha	
SLR		Silverton	
SLS	C	Soengei Langka	
SLT	C	Salta	
SLTN		Sullivan	
SLU		San Luis	
SLV		Seldovia	
SLW		Petit Monier	
SLY		Sulaymaniyah	
SM−	C	Seymour	
SMA	C	Summerton	
SMAJ	C	Sumiya	
SMAM		San Marcos	
SMB	C	Samaipata	
SMBI		Sixmile Butte	
SMC		Somerset	
SMCF	C	St Martin Canigou	
SMCN		San Marcos	
SME		Santa Rosa Mine	
SMF		Signal de Mont	
SMG		Sámos	
SMI	C	Simla	
SMJM		Simojovel	
SMKY		Sacramento	
SML		Sawmill	
SMLT		Sun Moon Lake	
SMM		Ste Marie−Mines	
SMMM		San Miguel	
SMN	C	Sleeping Mt.	
SMNM		San Marcial	
SMP	C	Somplago	
SMPL		Sampolo	
SMR	C	Semeru Mts	
SMS	C	Sámos	
SMSC		Smeltzer Mt.	
SMT	C	Sultan−Mazar	
SMTC		Superstition Mt.	
SMTN		Short Mountain	
SMU	C	Sunnyside Mine	
SMV		Samsville	
SMW		South Mountain	
SMX		San Miguel	
SMY		Shemya	
SN−	C	Sunflower	
SNA	C	Sanae	
SNB		Saturna Island	
SNC	C	San Nicolas I.	
SNCC		San Nicolas I.	
SND		San Diego	
SNDC		Sand Canyon	
SNF		Seneffe	
SNG		Songkhla	
SNH		Sunshine Point	
SNI		Sanriku	
SNJ	C	Sinj	
SNK		Salina	
SNKA	C	Sanak Island	
SNL	C	Sevenhill	
SNM		Socorro	
SNN		Xining	
SNO		Snow College	
SNOW		Snow King Mt.	
SNP	C	Sonepat	
SNPY		Stony Point	
SNQU		Santaquin	
SNR		Schaffner Ranch	
SNS		San Onofre	
SNT		Sears Point	
SNU	C	Stansbury North	
SNX		Sinaia	
SNY		Shenyang	
SNZ		Senzan	
SNZO		South Karori	
SO−	C	Sorel	
SOA		Owia	
SOB		Sobradinho	
SOB1		Sobradinho	
SOB2		Sobradinho	
SOB3		Sobradinho	
SOB4		Sobradinho	
SOC		Sochi	
SOCH		Soche	
SOD	C	Sodankylä	
SODA		Al Sooda	
SOE		Somerset East	
SOF		Sofiya	
SOG		Santiaguito	
SOG2		Santiaguito 2	
SOH		Sokhós	
SOI		Samo	
SOKY		Sonora	
SOL		Solontsovaya	
SOLC		Bahıa Solano	
SOLO		Sioux Lookout	
SOM		Sombrero	
SON	C	Sonneberg	
SONG		Songo	
SONY		Sodus	
SOO		Sioux Lookout	
SOP		Sopron	
SOR		Soroa	
SOS		Soda Springs	
SOSW		Smith Creek	
SOU		Souberoche	
SPA		South Pole	
SPA0		Spitsbergen Ar.	
SPAK		Spaichingen	
SPB		Sao Paulo	
SPB2		Spitsbergen Ar.	
SPBA		Sand Point BB	
SPC		Skalnaté−Pleso	
SPCI		Split Crater	
SPD		St Peter's Dome	
SPE		Xi'an	XAN
SPF	C	St−Paul−en−Forêt	
SPG	C	Saltpond	
SPH	C	San Pedro Hill	
SPI	C	St Paul Islands	
SPIN	C	Swan Pond Ditch	
SPITS		Spitsbergen Ar.	
SPJ		Spur Tree	
SPK		Scotts Peak	
SPL		Spiridon Lake	
SPM		Ship Mountains	
SPN		Mys Shipunski	
SPO	C	Spokane	
SPP	C	Saint Paul	
SPR	C	Saint Pierre	
SPRG		Spotted Range	
SPS	C	San Pedro Poas	
SPSY		St Peters Sch.	
SPT		South Point	
SPU		Mount Spurr	
SPV	C	Sa−pa	
SPVI		Shoe Peg Valley	
SPW		Seward Park	
SPX		San Pedro Mártir	
SPY		Shingle Point	
SQF		Squaw Harbor	
SQTA		Sankt Quirin	
SQU	C	Squaw Peak	
SR−	C	Sparta	
SRA		San Ramón	
SRAT		Sarat Abidah	
SRB		Samuel	
SRBC		Serra Branca	
SRBF		Surbourg	
SRC	C	Salinas Radio	
SRD		San Andres	
SRDI		Scrawed	
SRE		Strehaia	
SRF	C	Snake Ranch	
SRFA	C	Sharaf	
SRG		Seaman Range	
SRH		Rilland Hill	
SRI	C	Safīd Rūd	
SRK		Sredniy Kalar	
SRL	C	Santa Rosalía	
SRM	C	Socorro	
SRMY		Scherman	
SRN		Sarandë	
SRNI		Srinagar	
SRO		Srobárová	
SRP		Santa Rosa	
SRPD		Savannah River	
SRPN		Savannah River	
SRPW		Savannah River	
SRQ	C	San Roque	
SRR		Isla Socorro	
SRS		Sérrai	
SRT		Sarutani	
SRTC		Snort	
SRU		San Rafael	
SRY		Shiroyama	
SS−	C	Sanderson	
SS2		San Sevaine	
SSA		Susara	SSR
SSB		St Sauveur Rue	
SSC	C	St Sauveur	
SSE		Sheshan	
SSF		Saint Saulge	
SSF1	C	Saint Saulge	
SSG		Sans Toucher	
SSH	C	Sunshine	
SSI	C	Semisopochnoi I.	
SSJ	C	Shinshu−shinm'i	
SSK		Sunset Peak	
SSKY	C	Summer Shade	
SSL	C	Sunset Lake	
SSLW		Shishaldin West	
SSM	C	Saint Martial	
SSN		San Juan del Sur	
SSO		Sasso d'Italia	
SSOR		Sweet Springs	
SSP		Shoshone Peak	
SSPA		Standing Stone	
SSQ	C	Sandspit	
SSR		Susara	
SSS		San Salvador	
SST	C	Susitna	
SSU	C	San Pedro Sula	
SSV		Crater Summit	
SSX	C	SS1	
SSY		Sortino	
ST−	C	Stillwater	
ST1		Streeter	
ST2		Streeter	
ST4		Streeter	
STA	C	Satara	
STAN	C	Stanford	
STAR		Star City	
STB		Steinbach	
STC	C	Stone Canyon	
STCH		Steam Cracks	
STCO		St Catharines	
STD		Studebaker Ridge	
STDO		Santo Domingo	
STE		Stepanavan	
STET		St Etienne	
STEW		Steamboat Mt.	
STG		Strathgordon	
STGR		Santa Cruz	
STH		Stony Hill	
STI	C	Star Valley	
STID		Stanley	
STJ	C	Saint John's	
STJN		Saint John's	
STK		Stephens Creek	
STKA		Stephens Creek	
STL	C	Santa Lucía	
STLY		Stiles	
STM	C	Slate Mountain	
STMT		Stillwater Mine	
STN	C	Seatoun	
STO	C	Stonyhurst	
STP		Stepladder Mts	
STR		Strasbourg	
STS		Santiago	
STT	C	Seattle	
STTC		Scott Ranch	
STU		Stuttgart	
STV		Sta Anna Valdieri	
STW		Striped Peak	
STWA		Stillwater	
STX	C	Station 2	
STY	C	Stony River	
STZ	C	Stratford	
SU−	C	Schuyler	
SUA		Susitna One	
SUC	C	Sucre	
SUD		Sudbury	
SUE		Sulen	
SUF		Sumiainen	
SUFF		Suffern	
SUG	C	Sugar Island	
SUI		Sui−hua	
SUK		Suckling Hill	
SUL		Sulphur Creek	
SULJ		Sultana	
SUM		Sumoto	
SUN	C	Sunnyside	
SUO		Sudbury	
SUP		Superstition Mt.	
SUR		Sutherland	
SURF		Saint Ours	
SURI		Summit Reservoir	
SUS	C	Susaki	
SUT	C	Suttsu	
SUT1		Suttsu	
SUU	C	Santaquin Can.	
SUUS		Susuman	
SUV	C	Suva	
SUW		Suwalki	
SV−	C	Springerville	
SV2		Schefferville	
SV3		Schefferville	
SVA		Suva	
SVB		Belmont	
SVC		Silver Creek	
SVD		Seven Oaks Dam	
SVE		Sverdlovsk	
SVG		Indian Gallows	
SVI	C	Saint Vincent	
SVK		Severo−Muysk	
SVL		Baleine	
SVM	C	Silver City	
SVMT	C	Summit Valley	
SVN		Savane Anatole	
SVO	C	Savo	
SVP		Silver Peak Ra.	
SVR	C	Savage River	
SVS		Slandsville	
SVST		Sivas	
SVT	C	Saint Vincent	
SVTA		Shivta	

Code		Station Name	Other Code
SVV		Soufrière Volcano	
SVW		Sparrevohn	
SW−	C	Sweetgrass	
SWA	C	Swan Island	
SWB		Southwest Bay	
SWD	C	Swaziland	
SWH		Southwest Rift	
SWI		Sorong	
SWM		Sawmill	
SWMT		Swartz Lake	
SWNG		Sheriff Wilson	
SWO		Sudbury	
SWP	C	Swamp Creek	
SWR		Swabi−Maira	
SWT	C	Sachs Harbour	
SWTN	C	Sewanee	
SWV		Swan View	
SWZ		Schweizer	
SX−	C	Salem	
SXG	C	Sacranix	
SXM		Sixmile	
SXO	C	Sioux Lookout	
SXT		Sachs Harbour	
SY−	C	Stickney	
SYA		Sidi Yaiche	
SYD	C	Sydney	
SYI		Shuyak Island	
SYO		Syowa Base	
SYP		Santa Ynez Peak	
SYR		Smyrna	
SYT	C	Seydişehir	
SYU	C	Syuhurei	
SZ−	C	Shoal	
SZAC		Souni−Zanaja	
SZAF		Shezaf	
SZE	C	Szeged	
SZH		Strazhica	
SZO		Sudbury	
SZP		Santa	
SZVM		Salazar	
T			
TA1		Taranto	TTI
TAA	C	Terre Adélie	
TAB		Tabrīz	
TABB	C	Tabernacle Mt.	
TABN	C	Tabernacle	
TAC		Tacubaya	
TACH		Talagante	
TAD	C	Tadotsu	
TAE	C	Taegu	
TAF		Taforalt	
TAF1		Taif	
TAG		Tarade	
TAH	C	Tahiti	
TAHZ	C	Taraponui	
TAI		Tainan	
TAIF		Aṯ Ṭā'if	
TAJ		Tanegashima	
TAJ2		Tanegashima 2	
TAK	C	Takaka	
TAL		Talara	
TAM		Tamanrasset	
TAMB		Tambo	
TAN		Tananarive	
TANI		Tanete Lipujang	
TANM		Chiapas	
TAO		Talbingo	
TAP		Taipei	
TAPN		Taplejung	
TAR	C	Taranto	
TARW		Grand Targhee	
TAS		Tashkent	
TAT		Tateyama	
TATC		Tatamá	
TATJ		Tateyama 2	
TATO		Taipei	
TAU		Tasmania Univ.	
TAV		Tavurvur	
TAVF		Tavernes	
TAW		Tawu	
TAY		Tayabas	
TAZ		Tarawera	
TBC	C	Trig B	
TBH		Brigand Hill	
TBI		Tubuai	
TBL		Tabele	
TBM		Table Mountain	
TBO		Thunder Bay	
TBR		Table Rock	
TBT		Taburiente	
TBW		Brentwood	
TBY		Torsby	
TBZ	C	Trabzon	
TC−	C	T or C	
TCA		Tanti	
TCBC		Telegraph Creek	
TCC	C	Turnbull Canyon	
TCE		Chacachacare	
TCF		Toulx Ste Croix	
TCG		Tacaná	
TCH		Chimkent	CHM
TCHB		Talchebab	
TCK		Tuttle Cr. Res.	
TCM	C	Tucumán	
TCN	C	Toconce	
TCNV		Thirsty Canyon	
TCO		Three Creek	
TCP	C	Tocopilla	
TCPM		Tecamachalco	
TCR		Colchester	
TCSI		Telchick Spring	
TCT		Tennessee City	
TCU		Taichung	
TCUT		Toone Canyon	
TCW		Tory Channel	
TCX		Tecpatan	
TD−	C	Tres Piedras	
TDA		Talladega	
TDAG		Tekirdağ	
TDC	C	Trinidad (USA)	
TDD		Tadjoura Ara	
TDH		Tom, Dick, Harry	
TDJ	C	Tadjoura	
TDL		Tradedollar Lake	
TDM		Tucson Desert	
TDMT		Tunduma	
TDR	C	Todoroki	
TDS		Terranova Sibari	
TDT	C	Tavil'dara	
TE−	C	Thule	
TEB		Eastbourne	
TEC		Tlemcen	
TEE	C	Teeples Ranch	
TEGH		Tema	
TEH		Tehrān	
TEHZ	C	Te Atua	
TEIG		Tepich	
TEJ		El Tejon	
TEK		Teeking	
TEL		Teli	
TEM	C	Temuco	
TEN	C	Tenerife	
TENA		Tena	
TEO		Teotitlán	
TEP		Tecpan	
TER		Terranova	
TES		Teshikaga	
TET		Tete	
TETM		Tetitlán	
TEZ	C	Tezpur	
TF−	C	Taft	
TFO	C	Tonto Forest Ar.	
TG−	C	Tongareva I.	
TGI		Taghi Ghambar	
TGL		Tana Glacier	
TGRV		El Tigre	
TGT		Taghat	
TGY		Tagaytay	
THA		Thala	
THC		Tehachapi	
THE		Thessaloniki	
THEF		They Montfort	
THI		Terre Haute	
THK		Tsim Bei Tsui	
THO	C	Tonto Hills Obs.	
THOB	C	Mount Thompson	
THP	C	Tara Hills	
THR		Tehran	
THRI		Tanaharon	
THT		Papeete	
THU	C	Thule	
THW		Thamme Wali	
THY		Trims Highway	
THZ		Tophouse	
TI2		Tbilisi 2	
TIA		Tai'an	
TIB	C	Trinidade Is	
TIC		Toumodi	
TID		Three Point Mt.	
TIE		Tianjin	
TIF	C	Tiflis	
TIG		Tigre	
TIH		Tihany	
TIK		Tiksi	
TIM		Timişoara	
TIN		Tinemaha	
TINT	C	Rio Tinto	
TIO		Tiouine	
TIR		Tiranë	
TIS		Tissa	
TIT		Squaw Tit	
TIXI		Tiksi	
TIY		Taiyuan	
TJC		Trinidad (USA)	
TJR		Tejon Ranch	
TK−	C	Tonasket	
TK01		Tokai 1	
TK02		Tokai 2	
TK03		Tokai 3	
TK04		Tokai 4	
TKA		Tanaka	
TKD		Takada	
TKI		Tkibuli	
TKJ		Takada	
TKK		Topkok	
TKL		Tuckaleechee	
TKM		Takamatsu	
TKO		Trask Mountain	
TKS		Tokushima	
TKSJ		Tokushima 2	
TKT	C	Tuktoyaktuk	
TKTP		Tekketepe	
TKU		Takayasuyama	
TKY		Takayama	
TLA		Tapachula	
TLB		Topalu	
TLC	C	Trig L	
TLE		Tual	
TLG		Talgar	
TLI		Talmassons	
TLK	C	Talkeetna Mts	
TLL		Tololo Obs.	
TLM		Tolmezzo	
TLN	C	Talang	
TLO	C	Toledo HGLP	
TLP		Tuguegarao	
TLS		Talasea	
TLT		Tellico Plains	
TLX		Tulancingo	
TLY		Talaya	
TM−	C	Tomahawk	
TMA		Tamaro	
TMB		Temblor Ra. SE	
TMBR		Timber Mountain	
TMC	C	Table Mountain	
TMD		Tamdy−Bulak	
TME		Tecomasuche	
TMI		Taylor Mountain	
TMK	C	Temiskaming	
TMM		Tec. Monterrey	
TMM2		Tec. Monterrey 2	
TMN		Timber Mountain	
TMO		Tin Mountain	
TMP	C	Tomahawk Gully	
TMR		Tomakomai	
TMS	C	Mera	
TMT	C	Talcott Mountain	
TMU		Temuco	
TMW		Tok Microwave	
TMX		Tampico	
TN−	C	29 Palms	
TNA		Tin City	
TNB	C	Tanabu	
TNC		Tunceli	
TNE		Ternate	
TNF		Tounfite	
TNG		Tangerang	
TNH		Tianshui	
TNK		Tinkers Knob	
TNL		Tonnelnyy	
TNN		Tanana	
TNO		Torino	
TNP		Tonopah	
TNR		Turnu Roşu	
TNRJ		Tenryu	
TNS		Taunus Mts	
TNT	C	Toronto	
TNU	C	Tenhult	
TNV		Terranova Bay	
TNZ	C	Tarata	
TO−	C	Tishomingo	
TOA		Tolsona	
TOB	C	Tobago	
TOC		Tocklai	
TOD		Tromm	
TOG	C	Tōgane	
TOI		Tomamai	
TOK		Tōkyō	
TOKT		Tokat	
TOL	C	Toledo	
TOLC		Tolima	
TOM	C	Tomie	
TON	C	Tongariro	
TOO		Toolangi	
TOP		Topolovo	
TOR	C	Tori shima	
TORR		Tordecillas	
TORT	C	La Tortuga	
TOT		Tottori	
TOTJ		Tottori	
TOU		Touzarine	
TOUF		Mont Tournerait	
TOV		El Tocuyo	
TOW		Tower One	
TOY		Toyama	
TP−	C	Tippipah	
TP2		Tecpan 2	
TPA	C	Tala Pozo	
TPAW		Teton Pass	
TPB		Topolobampo	
TPC		29 Palms	
TPE		Tepelena	
TPG		Tlapa	
TPH		Tonopah	
TPI		Tanjungpandan	
TPJ	C	Tangkuban Prahu	
TPK	C	Tolicha Peak	
TPL		Tocopilla	
TPM		Tepoztlán	
TPMO		Tallapoosa	
TPMT		Tepee Creek	
TPN	C	Tapini	
TPNV		Topopah Spring	
TPO		Tropico Hills	
TPOR		Trinity Point	
TPP		Pointe−à−Pierre	
TPR		Prospect	
TPRS		Tripped Ranch	
TPT		Tiputa	
TPU		Tempiute Mt.	
TPV	C	Tonopah	
TPX		Tapachula	
TPZ		Tupiza	
TQP		Tayabas	TAY
TQTN		Tranquillity	
TQV		Tuyên−Quang	
TRA	C	Travnik	
TRB		Tarbela	
TRBA		At Turba	
TRC		Taylor Ranch	
TRD		Trivandrum	
TRE	C	Trente	
TREF		Trevaresse	
TRF		Thorofare Mt.	
TRG		Tyrgan	
TRGS		Targassone	
TRH		Trail	
TRHT		Turhal	
TRI		Trieste	
TRJ	C	Tarija	
TRK		Turkey Creek	
TRM	C	Turner	
TRN		Trinidad (W)	
TRO		Tromsø	
TROT		Trozza	
TRP		Trujillo	
TRQ		Mont Tremblant	
TRR		Tarraleah	
TRRB		Tres Rios	
TRS	C	Trieste (CM)	
TRT		Tretes	
TRTC		Tortuguero	
TRU	C	Truk	
TRV	C	Treviso	
TRVM		Trivandrum	
TRXW		Triangle−X Ranch	
TRY		Troy	
TRYN		Tryon Peak	
TRZ	C	Taradale	
TS−	C	Trotters	
TSAL		Tannehill	
TSB		Tasu	
TSE		Tsebel'da	
TSI		Tuntungan	
TSIM		Tsina	
TSK		Tsukuba	
TSL	C	Tsaile	
TSM		Tawau	
TSN		Qingdao	
TSO	C	Tulsa	
TSP		Tesuque Peak	
TSR		Tsuruga	
TSRJ		Tsuruga	
TSS		Tsurugi yama	
TST	C	Taşlık	
TSTN		Townsend	
TSU		Tsu	
TSU1		Tsu	
TSUJ		Tsu 2	
TSUM		Tsumeb	
TSV	C	Twin Springs	
TSY		Tnine Yamani	
TT−	C	Trout Lake	
TTA		Tatalina	
TTC		Datong	
TTE		Trieste	
TTG		Podgorica	
TTH		Taradale Trig	
TTI	C	Taranto	
TTK	C	Tokmak	
TTL	C	Tatalina	
TTM		Turtle Mountains	
TTN		Taitung	
TTP		Tetilla Peak	
TTR		Matura	
TTU	C	Tartu	
TTV		Teren Tiev Lake	
TTX		Tres Cuevas	
TTZ	C	Chichi shima	
TU−	C	Tunkhannock	
TU1	C	Tuscania	
TUA	C	Tuai	
TUB	C	Tübingen	
TUC		Tucson	
TUH	C	Tulbagh	
TUI		Tuis	
TUIG		Tuzandepetl	
TUK	C	Tuktoyaktuk	
TUL		Tulsa (Univ.Okla.)	
TUM		Tumwater	
TUN	C	Tunis	
TUNG	C	Tungurahua	
TUO		Tucson Obs.	
TUP		Tupik	
TUR	C	Turbat	
TURI		Tura	
TUS	C	Tuscarora	
TUT	C	Tucson	
TUTZ		Tuhingamata	
TUU		Turnu Roşu	
TUZ		Tuapeka	
TVGG	C	Rocky Mountain	
TVI		Taveuni	
TVL	C	Townsville	
TVO		Taravao	
TWA		Mucha	
TWAR		Twist	
TWB		Tillmans−Whites	
TWB1		Santiao Chiao	
TWC		Suao	
TWD		Chiawan	
TWE		Neicheng	
TWF		Yuli	
TWF1		Yuli	
TWG		Pinlang	
TWH		Lutao	
TWI		Lanshu	
TWJ1		Tawu	
TWK		Hsinying	
TWK1		Hengchun	
TWL		Twin Lakes	
TWM		Shoushan	

Code		Station Name	Other Code
TWM1		Shoushan	
TWN	C	Twin Peaks	
TWO		Meishan	
TWO1		Meishan	
TWOA		Tennyson Woods	
TWP		Hsiaoliuchiu	
TWQ		Tungshih	
TWR		Chutung	
TWS1		Kuangyinshan	
TWT		Tachien	
TWU		Wulai	
TWW		Teanaway	
TWX		Kuosheng	
TWY		Chenhua	
TWZ		Neifu	
TXAR		Lajitas Array	
TXB		Texada	
TXNY		Tuxedo	
TXO		Tlaxiaco	
TY−	C	Tracy	
TYF		T'ung−yeun Feng	
TYI		Trinity Mountain	
TYK		Toyo'oka	
TYN		Taiyuan	
TYNO		Tyneside	
TYS		Tyson Valley	
TYV		Tymovskoe	
TZC		Tazercounte	
TZK		Tazeka	
TZL		Tazlina	
TZR		Tezpur	
TZZ		Tabubil	
U			
UAV		Mérida	
UBO	C	Uinta Basin Array	
UBR		Überruh	
UCC		Uccle	
UCT	C	Connecticut Univ.	
UDD		Uddeholm	
UDI		Udine O.G.S.	
UDN	C	Udine	
UDU		Undu Point	
UDYN		Al−Udain	
UER		Ust'−Elegest	
UFRS		Porto Alegre	
UGI		Ugak Island	
UGL		Uglegorsk	
UGM		Wanagama	
UGRT		Union Grove	
UJZ		Chiapas	
UK−	C	Ukiah	
UKAQ		Ukalunda	
UKI		Ukiah	
UKL	C	Ugashik Lake	
UKR		Ust'−Kan	
UKT		Uakit	
ULA	C	Ulamona	
ULC		Ulcinj	
ULDT		Uludağ	
ULM		Lac du Bonnet	
ULN		Ulaanbaatar	
ULO		Ulamona	
UMB		Umberatana	
UME		Umeå	
UMI		India	
UMJ		Umaji	
UMR		Umm Al−Rimmam	
UMT	C	Umtata	
UNA	C	Unalaska	
UNB		Fredericton	
UNJ		Univ. of Jordan	
UNL		Unalakleet	
UNM		Mexico Univ.	
UNR		Ust'−Nera	
UNZ		Unzen dake	
UOA	C	Univ. of Arizona	
UON		La Unión	
UPA		Univ. of Panama	
UPI		Upington	
UPP		Uppsala	
UQSK		'Uqlat aş Şuqūr	
URA		Urakawa	
URA3		Urakawa 3	
URAJ		Urakawa 2	
URH		Urahoro	
URS		Ugurusu	
URSC		Urasca	
URT		Ura−Tyube	
URZ		Urewera	
USC		Univ. of S Cal.	
USI		Ustica	
USIL		Lacq−Usine	
USL		Ugashik Lake	
USO		Ust'−Omchug	
USZ		Ust'−Nyukzha	
UTF		Valparaíso	
UTM	C	Univ. Martin	
UTMA		Univ. Martin	
UTO		Univ. of Toledo	
UTS		Utsunomiya	
UTSU		Utsunomiya	
UTU		Utuhina	
UVI		Uvira	
UVN	C	Unionville	
UVN1	C	Unionville	
UWA		Uwa jima	
UWA2		Uwa jima 2	
UWE		Uwekahuna	
UWL	C	Utowana Lake	
UWM		Univ. Wisconsin	
UYO		Union Valley	
UZD		Úzd	
UZH		Uzhgorod	
UZU		Üzümlü	
V			
VAA		Cerro Valdivia	RTCV
VACR		Volcán Arenal	
VAF		Ylistaro	
VAG		Aggia Anna	
VAH		Vaihoa	
VAI		Varese	
VAJ		Vajont	
VAL		Valentia	
VAM		Vámos	
VAN		Vannovskaya	
VANT		Van	
VAO		Valinhos	
VAO2		Atibaia	
VAR		Varanasi	
VAS	C	Vassijaure	
VASS		Vassouras	
VAY		Valandovo	
VBA		Sierra Ventana	
VBEM		Beaver Butte	
VBN		Bulusan	
VBPM		Bald Peter	
VBV		Virginia Beach	
VBY		Vinica−Bojanci	
VC1		Cotopaxi 1	
VCA		Vinchina	
VCB		Cabagna−an	
VCHI		Volcan Chico	
VCLM		Crater Lake	
VCM		Veracruz	
VCMM		Chase Mountain	
VCN		Canlaon	
VCR		Vista de Mar	
VCS		Vernal Corners	
VCT		Victoria	
VDA		Vodivohitra	
VDB		Vedder Mt.	
VDCF		Villefranche	
VDF		Valdeflores	
VDL		Val di Lei	
VDM		Villiers−Adam	
VDQ		Val d'Or	
VDW		Vunidawa	
VEA		Veano	
VEB	C	Veberöd	
VEN	C	Venice	
VER	C	Veracruz	
VEW		Oceanview	
VEX	C	Veracruz	
VEZ		Vezirköprü	
VFBM		Frederick Butte	
VFI		Filaki	
VFP		Flag Point	
VG1	C	Voghera	
VG2		Vista Grande	
VGB		Gordon Butte	
VGBM		Gordon Butte	VGB
VGL		Glafira	
VGM	C	Villa Grajales	
VGMM		Grass Mountain	
VGP		Chiapas	
VGPM		Green Peter	
VGTM		Goat Mountain	
VGZ		Gonzales	
VHBM		Hamelton Butte	
VHEM		Hood Meadows E	
VHH		Hibok Hibok	
VHHM		High Heaven	
VHM	C	Vista Hermosa	
VHO		Vista Hermosa	
VHOM		Mount Hebo	
VHTN	C	Van Hill	
VHYM		Horsefly Mt.	
VIB		Van Inlet	
VIC	C	Victoria	
VIE		Vienna	
VIEF		Viey	
VIF		Vila Franca	
VIGV		El Vigia	
VIH		Vielha	
VIK	C	Vík	
VIL	C	Villa Mercy	
VILF		Villemus	
VIM		Vimmerby	
VIN	C	Vineyard	
VINC		Vinca	
VIP		Virginia Peak	
VIPM		Ingram Point	
VIR	C	Virginia	
VIS		Vishakhapatnam	
VISK		Vishakhapatnam	
VIT	C	Vineyard	
VITF		Vittel	
VIV		Vinh	
VIVF		St Julien le Roux	
VIZ	C	Vizianagram	
VJYM		Jersey	
VKA		Vienna	
VLA		Vladivostok	
VLC		Villacollemandina	
VLD	C	Valdez	
VLG	C	Velasquez	
VLH		Lignon Hill	
VLI		Veliaí	
VLL		Laurance Lake	
VLMM		Larch Mountain	
VLN		Vanua Lava	
VLO		Vlora	
VLP		Valparaíso	
VLR	C	Valea Ierii	
VLS		Valsamáta	
VLU		Vernal	
VLV		Valdivia	
VLZ		Valdez	
VMA		Markátes	
VMC	C	Ville Marie	
VMHM		Mount Hagen	
VMNM		Maupin	
VMO		Villa Marinero	
VMR		Mayon Resthouse	
VN−	C	Vernal	
VNA	C	Neumayer	
VNA1		Neumayer Stn	
VNA2		Neumayer Watz.	
VNA3		Neumayer Olymp	
VND	C	Vanda	
VNDA		Vanda	
VNE		Neochorion	
VNM		Villa de García	
VNT	C	Van	
VNV		Volcán Villarrica	
VNY	C	V. Nysäter	
VO−	C	Vinton	
VOGL		Vogel Lake	
VOR		Voronezh	
VOU		Vouglans	
VOY		Vojsko	
VPA		Pavliani	
VPD		Villa Park Dam	
VPEM		Volcano Peak E	
VPIM		Pine Mountain	
VPK		Verdi Peak	
VPL		Vulcano Piano	
VPMM		St Patrick Mt.	
VPP		Pira−Piraso	
VPS	C	Volcán Poás	
VPS2		Volcán Poás 2	
VQS	C	Vieques	
VRAC		Vranov	
VRBM		Round Butte Dam	
VRC		Rainbow Creek	
VRD		Vardenis	
VRI		Vrîncioaia	
VRN		Varnville	
VSBM		Spring Butte	
VSC	C	Varnville	
VSCM		Scott Mountain	
VSG		Visale	
VSI		Simia	
VSK		Skopelos	
VSM		San Miguel	
VSMM		Salem	
VSS		San Salvador	
VST	C	Saint Thomas	
VSTC		Vista	
VT−	C	Venator	
VT1		Waterbury	
VTCM		Trout Cr. Butte	
VTDM		The Dalles	
VTG		Vantage	
VTH		Erithrai	
VTHM		Trough	
VTS		Vitosha	
VTU		Volcán Turrialba	
VTV		Victorville	
VTY		Vatovaky	
VUL		Vulcan	
VUN		Vunikawai	
VVD	C	Valverde	
VVI		Villa di Villa	
VVO		Vivian	
VWBM		Wanoga Butte	
VWMM		Walker Mountain	
VWV		Potts Mountain	
VYB	C	Vyborg	
VZS		Valdez South	
VZW	C	Valdez West	
W			
WA−	C	Watson	
WA1	C	Wongan Hills	
WA2		Wagin	
WA3		Talbot Brook	
WA4		Burakin	
WAA		Waris	
WAB		Wabag	
WADM		Wardell	
WAH		Wahluke	
WAH2		Wahluke Slope	
WAHZ		Wakarara	
WAI	C	Wairiri	
WAJ		Wa jima	
WAJH		Al Wajh	
WAK		Wakkanai	
WAKE		Wake Island	
WAKJ		Wakkanai	
WAKR		Walker	
WAL		Wallace	
WALA		Waterton Lakes	
WAM		Wambrook	
WAN		Wanliss Street	
WAR		Warsaw	
WARB	C	Warburton	
WAS	C	Washington	
WASL	C	Wasel	
WASM		Alta Sierra	
WAT	C	Watheroo	
WATA		Walderalm	
WAU		Wau	
WAX		Waxell Ridge	
WAY	C	Waynesburg	
WB0		Warramunga Ar.	
WB1		Warramunga Ar.	
WB2		Warramunga Ar.	
WB3		Warramunga Ar.	
WB4		Warramunga Ar.	
WB5		Warramunga Ar.	
WB6		Warramunga Ar.	
WB7		Warramunga Ar.	
WB8		Warramunga Ar.	
WB9		Warramunga Ar.	
WBAQ		Buaraba 3	
WBE	C	West Bromwich	
WBI	C	Whiskey Butte	
WBL		White Bluff	
WBMM		Breckenridge Mt.	
WBN	C	Warburton	
WBNH		Wolfeboro	
WBO		Williamsburg	
WBR		Bronaber	
WBSM		Bird Springs	
WBW		Wilson Butte	
WCB		Warramunga Ar.	
WCBC	C	Windy Craggy	
WCC		Westchester Coll.	
WCFM		Cactus Flat W	CFWM
WCGM		China Gardens	CGSM
WCHM		Chimney Peak	
WCI		Wyandotte Cave	
WCK		Wilson Creek	
WCM	C	Warland Creek	
WCN		Washoe City	
WCOM		Cook Peak	
WCPM		Cactus Peak W	CPTM
WCSM		Coso Springs S	CSSM
WCT		Wildcat Mountain	
WCU		Willow Creek	
WCXM		China Lake	
WCZ		Waipu Caves	
WD−	C	Windom	
WDC		Whiskeytown	
WDG		Wallace Dam	
WDIN	C	Wadesville	
WDIS		Woodlark Island	
WDS		Woodside	
WDW	C	Wainui Dam	
WDY	C	Woody	
WEGH		Weija	
WEK	C	Wewak	
WEL		Wellington	
WEN		Wenatchee	
WENL		Wente Winery	
WEO		Welcome	
WER		Werombi	
WES		Weston	
WEST		Westmoreland	
WET		Wettzell	
WEW		Wewak	
WF−	C	Wykoff	
WFB		Fairbourne	
WFF	C	Whiting Field	
WFM		Westford	
WG2		Wallula Gap	
WG3		Wallula Gap	
WGAR	C	Walnut Grove	
WGB	C	Blue River	
WGL		Warangal	
WGLY		Wegel	
WGMA		Westboro	
WGW		Wallila Gap	
WGZ	C	Waimangu	
WH−	C	Whitehorse	
WH2		Whipple Mts 2	
WH2*		Whitehorse	
WHA		Wahaula	
WHAB		Al Wahab	
WHB		Whistler	
WHC	C	Whitehorse	
WHFM		Hanning Flat	
WHH	C	Whakatau	
WHI	C	Whitney	
WHM	C	Wild Horse Parks	
WHN		Wuhan	
WHNE		Wahoo	
WHSM		Haiwe Spring S	HWSM
WHU	C	Wild Horse	
WHVM		Havilah	
WHW		Wright's Hill	
WHY		Whitehorse	
WHZ		Wether Hill Road	
WI−	C	Winnemucca	
WICI		Willow Creek	
WIGH		Winneba	
WIH		Wilkes Camp	
WIHG		Wadia Inst.	
WIL	C	Wilkes	
WIM		Isle of Man	
WIN		Windhoek	
WIT		Witteveen	
WITU		Witu Islands	
WIW		Wooded Island	
WIZ		White Island	
WJPM		Johns Peak	
WK−	C	Williams Lake	
WKA		Willalooka	
WKB		White Rock	
WKC	C	Walker Ridge	
WKC2		Walker Ridge	
WKE	C	Wake	

Code		Station Name	Other Code
WKH		Waikii	
WKM		Welkom	
WKR		Work Ranch	
WKTM		Kern−Tulare	
WKU	C	Wakaura	
WKY		Wakayama	
WKYJ		Wakayama 2	
WL−	C	Watson Lake	
WLA		Wittsburg Lake	
WLC		Llyn Conwy	
WLD		Wild Horse Can	
WLF		Walferdange	
WLG		Waldron Ledge	
WLHM		Little Horse	
WLI	C	Wellesley Island	
WLJ		Wildlife	
WLK		Wiest Lake	
WLL	C	Williamstown	
WLM	C	Willow Mountain	
WLO		Wilson	
WLPM		Leibel Peak	
WLS		Welschbruch	
WLVO		Wesleyville	
WLZ		Whitehall	
WM−	C	Williams	
WMA		West Mesa	
WMBQ		Mount Brisbane	
WME		Myndd Eilian	
WMN	C	Winnemucca	
WMNY		West Monroe	
WMO	C	Wichita Mts	
WMOK		Wichita Mts	
WMOR		Whale Back Mt.	
WMQ		Ürümqi	
WMR		Waimanalo Ridge	
WMS		W Middle School	
WMTN		White Oak Mt.	
WMU	C	West Mountain	
WMUT		West Mountain	
WMV		Walker Mountain	
WMY	C	Wakamiya	
WMZ		Williams	
WN−	C	Winner	
WNC		Wilmington	
WND		Windham	
WNDE		Wendo Genet	
WNH		Whiteface	
WNMM		Nine Mile Canyon	
WNN		Wann	
WNR	C	Windsor	
WNS		Wenas	
WNW		Wenatchee	
WNY		Wilmington	
WNZ	C	Wairakei	
WO−	C	Winslow	
WOB		Weather Obs.	
WOFM		Oak Flat	
WOH		Wood Valley	
WOL		Wolverton	
WON		Wolverton North	
WOO	C	Woodstock	
WOOL		Woolibar	
WOR	C	Worcester	
WORM		Onyx Ranch	
WOSB		Woss	
WPA	C	Woody Point	
WPB		Watts Point	
WPH	C	West Pit	
WPI		Wilson Peak	
WPM		White Pine	
WPMQ		Pine Mountain	
WPNY		West Park	
WPO		West Portland	
WPR	C	Ward Pound Rge	
WPW		White Pass	
WPZ	C	Waipapa Point	
WR−	C	Walnut Ridge	
WR0		Warramunga Ar.	
WR1		Warramunga Ar.	
WR2		Warramunga Ar.	
WR3		Warramunga Ar.	
WR4		Warramunga Ar.	
WR5		Warramunga Ar.	
WR6		Warramunga Ar.	
WR7		Warramunga Ar.	
WR8		Warramunga Ar.	
WR9		Warramunga Ar.	
WRA		Warramunga Ar.	
WRAB		Tennant Creek	
WRB		Warramunga Ar.	
WRC	C	Williams Ranch	
WRCM		Renegade Can. W	RCWM
WRCQ		Reedy Creek 5	
WRD		Warden	
WRDH		Warideh	
WRG		White River Gl.	
WRH		Wood River Hill	
WRM	C	Warmifontaine	
WRN		Worthington Mts	
WRS		Warsak Dam	
WRVM		Rose V. Central	RVCM
WS−	C	Waterways	
WSA		Woomera	
WSC	C	Washington S. C.	
WSCM		Short Canyon	
WSHM		Spangler Hills	
WSI		Waingapu	
WSIL	C	West Salem	
WSN	C	Warm Springs	
WSP		Warm Springs	
WSR	C	Warm Springs	
WSS		West Ashley	
WSSR		Wesser Bold	
WST		Stwlan	
WT−	C	Wartburg	
WTC	C	Waterton	
WTGQ		Toogoolawah	
WTR		Waterville	
WTRQ		Thallon Road	
WTS		Winterswijk	
WTTA		Wattenberg	
WTU		W. Traverse Mts	
WTV		Waterville	
WTVE		Waterville	
WTW		West Thumb	
WTX		Workman Tunnel	
WTZ	C	Whakatane	
WUAZ		Wupatki	
WUC		Wuhan	WHN
WUH		Wuhan	
WUS		Wushi	
WUW		Wuwei	
WVL		Waterville	
WVLY		West Valley	
WVOR		Wild Horse Valley	
WVPM		Volcano Peak E	VPEM
WVR		Vyrnwy	
WVT		Waverly	
WVUT		Wellsville	
WVZ		Waitaha Valley	
WW−	C	Wah Wah Mts	
WWHQ		Wivenhoe Hill 3	
WWKK		Wewakk	
WWPM		Walker Pass	
WWR		Whitewater	
WWW	C	Wewak	
WY−	C	Wynne	
WY0		Wyoming Array	WYO
WYA	C	Wyangala	
WYM	C	West Yellowstone	
WYO	C	Wyoming Array	
X			
XAL		Allendale	
XAN		Xi'an	
XDE		Dent Fell	
XIN		Xingó	
XIO		Khíos Island	
XLV		Seldovia	
XMAS		Kiritimati	
XMI	C	Christmas Island	
XMS		Christmas	
XOR		Xoríchti	
XSO		Sourhope Farm	
Y			
YA−	C	Yakima	
YAG	C	Yagi	
YAH		Yahtse	
YAIG		Yautepec	
YAK		Yakutsk	
YAKW		Yakima	
YAL		Yalta	
YAM		Yamagata	
YAMJ		Yamagata	
YAMN		Yamanlar	
YAN		Yangoru	
YANA		Yana	
YAQ		Yaqui Meadows	
YAR		Yar	
YASH		Mount Yoash	
YAT	C	Yaldymych	
YBH		Yreka Blue Horn	
YBIB		Yerba Buena Is	
YBT		Youssef Ben T.	
YCB		Yellow Cr. Bluff	
YCM	C	YMCA Camp	
YEG		Yeguas Mountain	
YEL		Yellow Rock	
YER		Yerkesik	
YHJ		Yallahs	
YHK		Yuen Ng Fan	
YIN	C	Yingkou	
YJA		Yavi	
YKA		Yellowknife Ar.	
YKB0		Yellowknife Ar.	
YKB1		Yellowknife Ar.	
YKB2		Yellowknife Ar.	
YKB3		Yellowknife Ar.	
YKB4		Yellowknife Ar.	
YKB5		Yellowknife Ar.	
YKB6		Yellowknife Ar.	
YKB7		Yellowknife Ar.	
YKB8		Yellowknife Ar.	
YKB9		Yellowknife Ar.	
YKC		Yellowknife	
YKGM		Yakataga	
YKM		Yaak	
YKR0	C	Yellowknife Ar.	
YKR1		Yellowknife Ar.	
YKR2		Yellowknife Ar.	
YKR3		Yellowknife Ar.	
YKR4		Yellowknife Ar.	
YKR5		Yellowknife Ar.	
YKR6		Yellowknife Ar.	
YKR7		Yellowknife Ar.	
YKR8		Yellowknife Ar.	YKB5
YKR9		Yellowknife Ar.	
YKS	C	Yaku shima	
YKT	C	Yakutat	
YKU		Yakutat	
YKW1		Yellowknife Ar.	
YKW2		Yellowknife Ar.	
YKW3		Yellowknife Ar.	
YKW4		Yellowknife Ar.	
YLA		Ilan	ILA
YLE		Yale	
YLL		Llanberis	
YLV		Yalova	
YMC		Maple Creek	
YMD		Yuma Desert	
YMR		Madison River	
YMT1	C	Yucca Mountain	
YMT2		Yucca Mountain	
YMT3		Yucca Mountain	
YMT4		Yucca Mountain	
YMT5		Yucca Mountain	
YMT6		Yucca Mountain	
YMZ		Yamizo	
YMZU		Yamizo	YMZ
YNB		Natural Bridge	
YNC		Yinchuan	
YND		Yaounde	
YNG		Young	
YOJ		Yonaguni jima	
YOK		Yokohama	
YOMI		Yo Moklole	
YON		Yonago	
YONJ		Yonago 2	
YOO		Oaxaca	
YOS	C	Yoshiwara	
YOU	C	Young	
YPE		Yupe	
YPOF		Old Faithful	
YR−	C	Yreka	
YRC		Rhoscolyn	
YRE		Yr Eifl	
YRH		Rhiw	
YSA		Yasawairara	
YSK	C	Yokosuka	
YSNY		Yorkshire	
YSS		Yuzh−Sakhalinsk	
YTC		Trail Creek	
YTIR		Yattir	
YUH		Yuha Desert	
YUK		Yuzh−Kuril'sk	
YUM		Yumen	
YUO	C	Iwo jima	
YUP		Yupiltepeque	
YUS		Yü−Shan	
YWY		West Yellowstone	
YYI		Yaongyimsen	
YYYY		Yonkie	
Z			
ZA1		Zafferana	
ZAB		Zabrze	
ZAC		Zacaltic	
ZAG		Zagreb	
ZAG*	C	Zagreb	
ZAI		Zaio	
ZAIG		Zacatecas	
ZAK		Zakamensk	
ZAL		Zalesovo	
ZALF		Zalf	
ZAN		Zante	
ZAR	C	Zaria	
ZAV	C	Zavalia	
ZEI		Tsey	
ZEM		Michoacan	
ZFRI		Zfri	
ZFT		Errachidia	
ZGN		Zaghouan	
ZGT	C	Zonguldak	
ZHGX		Zihuatanejo	
ZHI		Zhiloy Island	
ZIH		Zihuatanejo	
ZIIG		Zihuatanejo	
ZIM	C	Zimchurud	
ZIN		Mt Zion Church	
ZIS		Zishin	
ZKW		Sheshan	
ZLA		Zuerich Laegern	
ZLP		Zongo (La Paz)	ZOBO
ZMP		Zamboanga	
ZNH	C	Zanoah	
ZNT		Zur Nathan	
ZOBO		Zongo (La Paz)	
ZON		Zonda	
ZOU		Zoufplan	
ZOX		Ground Zero	GZN
ZSC		Sheshan	
ZSC*	C	Sheshan	
ZSP		San Pablo Dam	
ZST		Bratislava	
ZUG	C	Zugdidi	
ZUL	C	Zürich−Lageren	
ZUR	C	Zürich	
ZZA		Chiapas	
ZZT	C	Zu Zu	

SEISMOLOGICAL OBSERVATORIES

IN ORDER OF GEOGRAPHICAL ZONE

ZONE		
Code		Station Name
AFRICA		
ALGERIA		
ABA		Alger−Bouzaréah
ALG	C	Algiers Univ.
BAB		Beni−Abbès
CNS		Constantine
IAA	C	In Amguel
OFD	C	Oued Fodda
REL	C	Relizane
RLA		Relizane
SET		Sétif
TAM		Tamanrasset
TEC		Tlemcen
ANGOLA		
DUN		Dundo
LUA	C	Luanda
SDB	C	Sá da Bandeira
BOTSWANA		
LBTB		Lobatse
CAMEROON		
BKO		Bokosso
BNC		Bambui
BTE		Batoke
EKC		Ekona
FBT		Foumbot
KBC		Kumba
KMC		Kompina
MOC	C	Mt Cameroon
MOKC		Mount Cameroon
NGC		Ngoundere
YND		Yaounde
CENTRAL AFRICAN REPUBLIC		
BCAO	C	Bangui
BGCA		Bogoin
BNG		Bangui
CHAD		
ABC	C	Abéché
DJIBOUTI		
AGD		Arta Grotte
ARO		Arta Obs.
ART	C	Arta
ATA		Atar
ATD		Arta Tunnel
DAF		Dafaré
DAY		Day
GBR		Grand−Bara
HLD		Halaksitan
KSU		Koussour
MKL		Maskali
OBO		Obock
SGH		Sud−Ghoubbet
TDD		Tadjoura Ara
TDJ	C	Tadjoura
EGYPT		
AAHD		Abu Hadid
AGAL		Gebel Alisa
AGMR		Gebel Marawa
AGRW		Gebel Rewraw
AKRL		Khor El Raml
AKSR		Khor Sakr
AKUR		Kurkur
AMAN		Manam
ANAL		New Alisa
ANMR		North Marawa
ASKD		Sinn el Kaddâb
ASL		Abu Simbel
ASW		Aswan
ATOT		Gabel Atot
AUT		El 'Aiyât
AWAL		West Alisa
AWKL		West Kalabsha
HAMM		Hamman Mousa
HLW		Helwan
KEG		Kottamaia
KOT		Kottamia
MAZR		Mazracia
MMT	C	Marsa Matruh
EQUATORIAL GUINEA		
FERNANDO PÓO		
MFP		Moca
ETHIOPIA		
AAE		Addis Ababa
ALME		Alemaya
ASME		Asmera
FURI		Furi
WNDE		Wendo Genet
GHANA		
AKGH		Akosombo
HOGH		Ho
KOGH		Koforidua
KUK		Kukurantumi
LEGH		Legon
LGG	C	Legon
SHGH		Shai Hills
SPG	C	Saltpond
TEGH		Tema
WEGH		Weija
WIGH		Winneba
GUINEA		
KING		Kindia
LABG		Labé
MAMG		Mamou
IVORY COAST		
DBIC		Dimbokro
KIC		Kosan Boka
LIC		Lamto
LKO		Korhogo
TIC		Toumodi
KENYA		
KIBK		Kibwezi
KMBO		Kilima Mbogo
MAGK		Magadi
MERK		Meru
MILK	C	Milimani
NAI		Nairobi
NAKO		Nairobi
NYRK	C	Nyeri
OLK	C	Olkaria
OLWK	C	Olkaria West
MALAWI		
CLK		Chileka
MZM		Mzuzu
MALI		
KOWA		Kowa
MOROCCO		
AIT		Ait Ouarda
ANTZ		Aouinet Torkoz
AVE		Averroes
BAM		B. Abdel Moumen
BBT		B. Ibn Battouta
BIT		B. Ibn Batouta
BMB		B.M.B. Abdellah
BMD		Beni Messoud
BME		B.M. Eddahbi
BMK		B. El Makhazine
BOJ		Boujaaouane
CIA		Chichaoua
CPS		Cap Spartel
CZD		Col de Zad
ERR		Err
HAD		Hassan Addkhil
IDR		Idriss Premier
IFR		Ifrane
IMK		Imi Mikki
JHA		Jbel Lahdid
KES	C	Ksar Es Souk
KHF		Khenifra
KIB		El Ksiba
MDT		Midelt
MIF		Mishlifen
NKM		Nakhla
OKL		Od Khalfella
OUJ		Oujda
OUK		Oukaïmeden
RBA		Rabat
RBZ	C	Rabat Zaers
RSA		Sarsar
RTC		Rabat Centre
TAF		Taforalt
TGT		Taghat
TIO		Tiouine
TIS		Tissa
TNF		Tounfite
TOU		Touzarine
TSY		Tnine Yamani
TZC		Tazercounte
TZK		Tazeka
YBT		Youssef Ben T.
ZAI		Zaio
ZFT		Errachidia
MOZAMBIQUE		
CNG		Changalane
LMM		Lourenço M.
NPA		Nampula
SONG		Songo
TET		Tete
NIGERIA		
ZAR	C	Zaria
RWANDA		
BTR	C	Butare
SENEGAL		
BKL		Bakel
DAK	C	Dakar
KDG	C	Kédougou
KDS		Kédougou
KED	C	Kédougou
KED*		Kédougou
MBO		M'Bour
MMS	C	Matam
SOMALIA		
MOG	C	Mogadiscio
SOUTH AFRICA		
BOSA		Boshof
CAPE PROVINCE		
BEW		Beaufort West
BLE		Bellville
CER		Ceres
CGH	C	Cape Good Hope
CTO	C	Cape Town
CVN		Calvinia
GRH	C	Grahamstown
GRM		Grahamstown
HER	C	Hermanus
HVD		H. Verwoerd Dam
KSD		Kokstad
LTT	C	Louis Trichardt
MDL	C	Mandileni
OKP	C	Ookiep
PKA		Prieska
POF		Pofadder
PSR		Paul Sauer Dam
SBO		Springbok
SOE		Somerset East
SUR		Sutherland
TUH	C	Tulbagh
UMT	C	Umtata
UPI		Upington
NATAL		
JOZ	C	Jozini
NWL		Newcastle
PIE	C	Pietermaritzburg
POG		Pongola
PTM		Pietermaritzburg
ORANGE FREE STATE		
BLF		Bloemfontein
FRS		Fauresmith
KIM	C	Kimberley
PKR	C	Le Roux Dam
PRY		Parys
SEK		Senekal
VIR	C	Virginia
WKM		Welkom
TRANSVAAL		
BFS		Buffelsfontein
BFT		Belfast (SA)
BPI		Johannesberg
CGY	C	Coligny
ERS		Ellisras
EVA	C	Evander
JOH	C	Johannesburg
KSR		Koster
PRE	C	Pretoria
SLR		Silverton
SWZ		Schweizer
NAMIBIA		
TSUM		Tsumeb
WIN		Windhoek
SUDAN		
NYA	C	Nyala
SWAZILAND		
SWD	C	Swaziland
TANZANIA		
ARTT		Arusha
DOD		Dodoma
ITBT		Itumba
ITKT		Itaka
MBAT		Mbeya
PDHT		Panda Hill
TDMT		Tunduma
TOGO		
LOM		Lomé
TUNISIA		
BERT		Berda
BLIT		Balṭah
GAF		Gafsa
GFA		Gafsa
GHAT		Ghardimaou
KCHT		Kechabta
KRIT		Krib
MART		Mareth
MBZ		Menzel Bou-zelfa
MEDT		Meda
OAR		Oum El Arais
SBS		Sidi−Bou−Said
SGNT		Sidi Gnaou
SYA		Sidi Yaiche
THA		Thala
TROT		Trozza
TUN	C	Tunis
ZGN		Zaghouan
UGANDA		
ENT		Entebbe
HOI		Hoima
KIL		Kilembe
ZAIRE		
BIN	C	Binsa
BTC		Butembo
DCC	C	Delcommune
ELI	C	Elizabethville
GUB		Guba
KTL		Katale
LBC	C	Lubudi
LMA		Le Marinel
LWI		Lwiro
MLN	C	Mulungwishi
RUM	C	Rumangabo
UVI		Uvira
ZAMBIA		
BHA		Broken Hill
CHMZ		Choma
IKZ		Isoka
ITZ		Itezhi−Tezhi
KMZ		Kasempa
LSZ		Lusaka
LUS	C	Lusaka
MZZ		Mansa
PTZ		Petauke
ZIMBABWE		
BUL		Bulawayo
CIR		Chiredzi
KRB	C	Kariba Dam
KRI		Karoi
KRR	C	Karoi
MTD		Mount Darwin
ANTARCTICA		
ANTARCTICA		
SPA		South Pole
ANTARCTIC PENINSULA		
AIA	C	Argentine I.
ANC	C	Marguerite Bay
GGV	C	Gabriel G. Videla
OHC		O'Higgins
PMSA		Palmer Station
COATS LAND		
HBA	C	Halley Bay
DRONNING MAUD LAND		
NVL		N'lazarevskaya
SNA	C	Sanae
SYO		Syowa Base
VNA	C	Neumayer
VNA1		Neumayer Stn
VNA2		Neumayer Watz.
VNA3		Neumayer Olymp
ENDERBY LAND		
CASY		Casey
KING EDWARD VII LAND		
LAA	C	Little America
RMA	C	Rockefeller Mts
MAC ROBERTSON LAND		
MAW		Mawson
MARIE BYRD LAND		
BY1	C	Byrd (S.R.I.)
BY2		Byrd (S.R.I.)
BY3		Byrd (S.R.I.)
BYA		Byrd (S.R.I.)
BYR	C	Byrd Station
QUEEN MARY LAND		
MIR		Mirnyy
OBA	C	Oasis−Bungera
SOUTH GEORGIA ISLANDS		
HOPE		Hope Pt
KEP	C	King Edward Pt
SOUTH ORKNEY ISLANDS		
SGY		Signy Island
SOUTH SHETLAND ISLANDS		
AAS		Arctowski Station
DEC	C	Deception Island
PED	C	Pedro Cerda
SEJ		Sejong Station
TERRE ADÉLIE		
DRV		Dumont d'Urville
TAA	C	Terre Adélie
VICTORIA LAND		
HLL	C	Cape Hallett
MCM	C	McMurdo Sound
SBA		Scott Base
TNV		Terranova Bay
VND	C	Vanda
VNDA		Vanda
WILKES LAND		
CSY		Casey Station
WIL	C	Wilkes

ZONE

Code		Station Name

ASIA

AFGHANISTAN

KAAO	C	Kabul (SRO)
KBL		Kabul

BAHRAIN

BBU		Al Budayyi
BEE		Al Areen
BJA		Jaww
BMU		Muharraq
BRF		Ar Rifā

BANGLADESH

CHT		Chittagong

MYANMAR

MND	C	Mandalay
RAN	C	Rangoon

CHINA

BEIJING (PEKING)

BJI		Beijing
BJI2	C	Beijing
BJT		Baijiatuau

FUJIAN (FUKIEN)

QZH		Quanzhou

GANSU (KANSU)

GTA		Gaotai
LAN	C	Lanzhou
LCC	C	Lanzhou
LZH		Lanzhou
TNH		Tianshui
WUW		Wuwei
YUM		Yumen

GUANGDONG (KWANGTUNG)

GZH		Guangzhou
LMC		Lamocks

GUIZHOU (KWEICHOW)

GYA		Guiyang
HXI		Guiyang

HAINAN DAO

QIZ		Qiongzhong

HEBEI (HOPEH)

TIE		Tianjin

HEILONGJIANG (HEILUNGKIANG)

SUI		Sui−hua

HUBEI (HUPEH)

ENH		Enshi
WHN		Wuhan
WUH		Wuhan

JIANGSU (KIANGSU)

NAN	C	Nanjing
NJ2		Nanjing
SSE		Sheshan
ZKW		Sheshan
ZSC		Sheshan
ZSC*	C	Sheshan

JILIN (KIRIN)

CN2		Changchun
CNH	C	Changchun
HSK	C	Changchun
MDJ		Mudanjiang

LIAONING

DAI	C	Lüda
DL2		Dalian
FEN		Shenyang
SNY		Shenyang
YIN	C	Yingkou

NEI MONGGOL ZIZHIQU (INNER MONGOLIA)

BTO		Baotou
HHC		Hu−ho−hao−te
HIA		Hailar

NINGXIA (NINGSIA-HUI)

YNC		Yinchuan

QINGHAI (CHINGHAI)

SNN		Xining

SHAANXI (SHENSI)

SIA	C	Xi'an
TYF		T'ung−yeun Feng
XAN		Xi'an

SHANDONG (SHANTUNG)

TIA		Tai'an
TSN		Qingdao

SHANXI (SHANSI)

LNF		Linfen
TIY		Taiyuan
TTC		Datong
TYN		Taiyuan

SICHUAN (SZECHWAN)

CD2		Chengdu
CDU	C	Chengdu
PEH		Beibei

TAIWAN

ALS		Alishan
ANP		Anpu
CHKT		Chengkung
CHY		Chiayi
HEN		Hengchun
HSI		Hsinkong
HSN		Hsinchu
HWA		Hwalien
ILA		Ilan
KAU		Kaohsiung
KNM		Kinmen
LAY		Lanyu
MTST		Matsu
PCYT		Pengchaiyu
PNG		Penghu
SMLT		Sun Moon Lake
TAI		Tainan
TAP		Taipei
TATO		Taipei
TAW		Tawu
TCU		Taichung
TTN		Taitung
TWA		Mucha
TWB1		Santiao Chiao
TWC		Suao
TWD		Chiawan
TWE		Neicheng
TWF		Yuli
TWF1		Yuli
TWG		Pinlang
TWH		Lutao
TWI		Lanshu
TWJ1		Tawu
TWK		Hsinying
TWK1		Hengchun
TWM		Shoushan
TWM1		Shoushan
TWO		Meishan
TWO1		Meishan
TWP		Hsiaoliuchiu
TWQ		Tungshih
TWR		Chutung
TWS1		Kuangyinshan
TWT		Tachien
TWU		Wulai
TWX		Kuosheng
TWY		Chenhua
TWZ		Neifu
YUS		Yü−Shan

XINJIANG UYGUR ZIZHIQU (SINKIANG UIGHUR)

KSH		Kashi
WMQ		Ürümqi
WUS		Wushi

XIZANG ZIZHIQU (TIBET)

LHA	C	Lhasa
LSA		Lhasa

YUNNAN

KMI		Kunming

CYPRUS

AKMC		Akamas
ALFC		Alevga
CSS		Prodhromos
FAM	C	Famagusta
LEF		Lefka
LFK		Lefkoşe
MAMC		Mammari
NIC	C	Nicosia
PHNC		Paralimni
PPCY		Paphos
SZAC		Souni−Zanaja

HONG KONG

HKC		Hong Kong
THK		Tsim Bei Tsui
YHK		Yuen Ng Fan

INDIA

UMI		India

ANDHRA PRADESH

HYB		Hyderabad
HYD	C	Hyderabad
NLG		Nalgonda
VIS		Vishakhapatnam
VISK		Vishakhapatnam
VIZ	C	Vizianagram
WGL		Warangal

ARUNACHAL PRADESH

BMI		Bomdila
INR		Itanagar
KOI		Khonsa

ASSAM

BKOA		Assam
GWH		Guwahati
HLGA		Haflong
HMNA		Hamren
JHI		Jorhat
KZI		Kaziranga
LKP		Lekhapani
NGJA		Assam
PNBI		Panbari
TEZ	C	Tezpur
TOC		Tocklai
TZR		Tezpur
YYI		Yaongyimsen

BIHAR

BOK		Bokaro
BOKR		Bokaro

DELHI

NDI		New Delhi

GOA, DAMAN AND DIU

GOA		Goa

GUJARAT

BHJ		Bhuj
BHUJ		Bhuj

HARYANA

KKR		Kurukshetra
ROH	C	Rohtak

HIMACHAL PRADESH

DLH	C	Dalhousie
JWA	C	Jwalamukhi
KLP		Kalpa
KOTI		Kothi
SMI	C	Simla

JAMMU AND KASHMIR

JMU		Jammu
SRNI		Srinagar

KARNATAKA (MYSORE)

GBA		Gauribidanur Ar.
MNGI		Mangalore

KERALA

TRD		Trivandrum
TRVM		Trivandrum

MADHYA PRADESH

BHPL		Bhopal
BLPI		Bilaspur
BLSP		Bilaspur
SEH		Sehore

MAHARASHTRA

AKL		Akola
BOM		Bombay
GOV	C	Govalcot
KAD		Karad
KARD		Karad
KNI	C	Koyna Nagar
MAH	C	Mahableshwar
NGP		Nagpur
POO		Poona
PUNE		Pune
STA	C	Satara

MANIPUR

IMP		Imphal

MEGHALAYA

NGNA		Nongstoin
SHIO		Shillong
SHL		Shillong
TURI		Tura

MIZORAM

AZL		Aizawl

NAGALAND

BHDI		Bhandari
CHKI		Chanki
KGNI		Kongan
KHM		Kohima

PUNJAB

BHK		Bhakra
MUK	C	Mukerian

RAJASTHAN

AJM		Ajmer
AJMR		Ajmer

TAMIL NADU

KOD		Kodaikanal
MDR		Madras
MDRS		Chennai

TRIPURA

AGT		Agartala

UTTAR PRADESH

AGR	C	Agra
ALBI		Allahabad
BRCI		Bahraich
DDI		Dehra Dun
GARI		Garurganga
JHNI		Jhansi
MEE	C	Meerut
PLMI		Pala−Maneri
PTH		Pithoragarh
SNP	C	Sonepat
VAR		Varanasi
WIHG		Wadia Inst.

WEST BENGAL

CAL		Calcutta
HOW		Howrah

INDONESIA

AMBON

AAI		Ambon
AMO		Ambon

BALI

DNP		Denpasar
INGI		Ingas
JEHI		Jehsanih
KELI		Kelakatan
KHKI		Kahang−Kahang
RANI		Rangndo
RATI		Rata
THRI		Tanaharon

FLORES

NUA	C	Nuabosi

IRIAN JAYA (WEST IRIAN)

JAY		Jayapura
MENI		Mendum Tagoi
SWI		Sorong
TLE		Tual
YOMI		Yo Moklole

JAWA

BND	C	Bandung
DIE	C	Dieng
DJA		Jakarta
GED	C	Gedeh
KALI		Kaliastana
KEL	C	Kelud
KIJ	C	Kawah Idjen
LAM	C	Lamongan
LEM		Lembang
MAJ	C	Maron
MLB	C	Malabar
MRP	C	Merapi
PACI		Pancar Gunung
PASI		Pasiripis
PULI		Pulasari
SINI		Singah
SJI		Sawahan
SMR	C	Semeru Mts
SRDI		Scrawed
TNG		Tangerang
TPJ	C	Tangkuban Prahu
TRT		Tretes
UGM		Wanagama

KALIMANTAN

BKB	C	Balikpapan
BKB2		Balikpapan

LOMBOK

KEDI		Kedomdong

MOLUCCAS

BNJ	C	Banda−Neira
SLKI		Saumlaki
TNE		Ternate

SANGIHE ISLANDS

AWU	C	Awu

SULAWESI

BTNI		Buton
BUNI		Buntu Taipa
MKS		Makassar
MNI		Manado
NINI		Niniconang
PCI		Palu
TANI		Tanete Lipujang

SUMATERA

AEKI		Aeknabara
BGI		Bengkulu
BSI		Banda Aceh
GSI		Gumong Sitoli
HUTI		Huta Ginjang
KKD	C	Korintji−Dempo
KLI		Kotabumi
KSI		Kapahiang
LARI		Lau Rambong
MARI		Martimbang
MED	C	Medan
MRPI		Mariponipon
PCBI		Pancar Batu
PENI		Pendagan
PPI		Padang Panjang
PSI		Prapat
PWS	C	Pulau−Weh
SEMI		Semponon
SIBI		Sibayak Dolok
SIMI		Simarbalatuk
SLS	C	Soengei Langka
TLN	C	Talang
TPI		Tanjungpandan
TSI		Tuntungan

SUMBA

WSI		Waingapu

TIMOR

KUG		Kupang
KUP	C	Kupang
KUPT		Kupang

IRAN

IR1		Iran LP Array
IR2		Iran LP Array
IR3		Iran LP Array
IR4		Iran LP Array
IR5		Iran LP Array
IR6		Iran LP Array
IR7		Iran LP Array
KER		Bakhtaran
KHI		Kāhkh
MAIO		Mashhad (SRO)
MHI		Mashhad
MSH	C	Mashhad
MSHA		Masjed Soleyman
MUI		Mashhad Univ.
SHD		Shahrud
SHI		Shīraz
SRI	C	Safīd Rūd
TAB		Tabrīz
TEH		Tehrān
TGI		Taghi Ghambar
THR		Tehran

IRAQ

BHD		Baghdād
BSR		Basra
MSL		Mosul
RTB		Rutbah
SLY		Sulaymaniyah

ISRAEL

ADI		Adamit
ARVI		'Arava Valley
ASI	C	Mount Amassa
ATR1		Atar 1
ATZ		Mount Atzmon
BGIO		Bar Giyyora
BRNI		Bet Oren
BSO	C	Bsor
BTI	C	Bat Shelomo
CRI	C	Mt Carmel
DOR	C	Dorot
DRGI		Dragot
DSD2		Dead Sea Dam 2
DSI		Dead Sea
EIL		Elat
ENGI		Ein Gedi
GLH		Golan−Tel Qazir
GVI	C	Bet Guvrin
GVMR		Giv'at Hamore
HAF	C	Haifa
HLZ		Helez
HMDT		Nahal Hemdat
HRI		Mt Hermon
HRSH		Kfar Ka'horesh
JER	C	Jerusalem
JNI	C	Jehonathan

ZONE

Code		Station Name
JVI		Jordan Valley
KERI		Keren
KSHT		Keshet
KZIT		Kziot
MAMI		Mei−Ami
MASH		Mash'abbe Sade
MBH		Mount Berech
MGI	C	Mount Gilboa
MKT		Machtesh Katan
MML		Mount Malkishua
MMR		Mount Meron
MNFI		Manof
MNRI		Mount Meron
MOI	C	Mt Montar
MRNI		Mount Meron
MSDA		Masada
MSM	C	Mt Sar Shalom
MYI	C	Mount Yahel
MZDA		Masada
NOH	C	Ma'ale Noah
PARD		Parod
PRNI		Paran
RMN		Mount Ramon
RMNI		Mount Ramon
RTMM		Retamin
RVVM		Revivim
SAF	C	Zefat
SAGI		Saggi Highlands
SDOM		Mount Sodom
SVTA		Shivta
SZAF		Shezaf
YASH		Mount Yoash
YTIR		Yattir
ZFRI		Zfri
ZNH	C	Zanoah
ZNT		Zur Nathan

JAPAN

BONIN ISLANDS

CBI		Chichi jima
CBIJ		Chichi jima
HJJ		Hachijō jima
JHJ	C	Hachijō jima 2
JHJ2		Mitsune
JIM		O shima 2
JKO		Kōzu shima
JMY		Miyake jima 2
MKJ		Miyake jima
NJJ	C	Nii jima
NJJJ		Nii jima 2
OGS		Ogasawara
OSH	C	Oshima
OSHJ		Oshima
TOR	C	Tori shima
TTZ	C	Chichi shima
YUO	C	Iwo jima

HOKKAIDO*

IWN		Iwanai

Abashiri

ABJ		Abashiri
ABJ2		Abashiri 2
JAK		Akkeshi
JMP		Maruseppu
KNP		Kunneppu

Hidaka

ERM		Erimo
HIC		Hidaka−Cho
JBT		Biratori
JEM		Erimo
KMU		Kamikineusu
MSN		Misono
MUJ		Mitsuishi
URA		Urakawa
URA3		Urakawa 3
URAJ		Urakawa 2

Hiyama

IMG		Imagane
JHY		Hiyama
JOR		Okushj
JSH		Shimam
KKJ		Kaminokuni
OKS		Okushiri

Iburi

JNB		Noboribetsu
MRR		Muroran
MRRJ		Muroran 2
TMR		Tomakomai

Ishikari

HSS		Hokkaido Univ.
JEW		Eniwo
SAP		Sapporo

Kamikawa

AIB		Aibetsu
ASA		Asahikawa
ASAJ		Asahikawa
JFR		Furan
JKK		Kamikawa

Kushiro

AKK		Akkeshi
JAR		Ashorobuto
JOB		Onbets
KUS		Kushiro
KUSJ		Kushiro
TES		Teshikaga

Nemuro

JNK		Nakash
JRA		Rausu
NEM		Nemuro
NEM2		Nemuro 2
NMR		Nemuro

Ō shima

ESH		Esan
HAK		Hakodate
HAKJ		Hakodate 2
JKB		Kayabe
JYM		Yakumo
MOR		Mori

Rumoi

HAB	C	Haboro
JSS		Shosan
JYG		Yagishiri
RMJ		Rumoi
TOI		Tomamai

Shiribeshi

AHS	C	Asahigawa
JSK		Shakotan
NKS	C	Nakayama Pass
SUT	C	Suttsu
SUT1		Suttsu

Sorachi

JAB		Ashibetsu
JHR		Hokuryū

Sōya

JRR		Rishiri
JSE		Soyaes
JWK	C	Wakkake−Misaki
JWK2		Keihoku
WAK		Wakkanai
WAKJ		Wakkanai

Tokachi

HOO		Hiroo
HOOJ		Hiroo 2
JCH		Chūrui
MYR		Moyori
OBI		Obihiro
URH		Urahoro

HONSHU*

BSO1		Boso 1
BSO2		Boso 2
BSO3		Boso 3
BSO4		Boso 4

Aichi

INU		Inuyama
JAA		Atsumi
NAG		Nagoya

Akita

AKI	C	Akita
AKI1		Akita
AKIJ		Akita 2
FUT		Futatsui
HJH		Honjō
JAH		Hinai
JOG	C	Oga
JOG2		Oga 2
NIB		Nibetsu
OGH		Oga

Aomori

AOM	C	Aomori
AOM1		Aomori
AOM3		Aomori 3
AOMJ		Aomori 2
HAC		Hachinohe
HACJ		Hachinohe 2
JIW		Iwasaki
JOT		Ohata
JSI		Shiura
JTM		Tenmabayashi
TNB	C	Tanabu

Chiba

CHO	C	Chōsi
CHO1	C	Chōsi
CHOJ		Chōsi
JCN		Nagara
KIY	C	Kiyosumi
KTR		Katsuura
KYS		Kiyosumi
SKU	C	Sakura
TAT		Tateyama
TATJ		Tateyama 2
TMS	C	Mera
TOG	C	Tōgane

Fukui

FUK		Fukui
TSR		Tsuruga
TSRJ		Tsuruga

Fukushima

AID	C	Aizu
FKS		Fukushima
IWK		Iwaki
JFK		Kawauchi
JFT		Otama
JFY		Yanaizu
JHK		Hiroka
KNY		Kanayama
ONA		Onahama
ONAJ		Onahama 2
SHR		Shirakawa
SHRJ		Shirakawa 2

Gifu

AMJ		Amō
GIF		Gifu
JAO		Obara
JGF		Kuroka
JGM		Miyama
JGN		Niukaw
TKY		Takayama

Gumma

JGK		Kuni
MAE		Maebashi
MAEJ		Maebashi 2

Hiroshima

HIR		Hiroshima
HIR1		Hiroshima
HIRJ		Hiroshima 2
JHM		Kurahashi
JHS		Saijyo
JJG		Jouge
KRE	C	Kure
KUT	C	Kutsugahara
MKW		Mikawa
NKR		Nakanohara
SHK		Shiraki

Hyogo

HIM		Himeji
JAJ		Awaji shima
JKS		Kasai
JMT		Mikata
KOB		Kōbe
SNZ		Senzan
SUM		Sumoto
TYK		Toyo'oka

Ibaraki

JYT		Yasato
KAK		Kakioka
KAKJ		Kakioka Outpost
MIT		Mito
MTJ		Mount Tsukuba
OKI	C	Okijuku
TSK		Tsukuba

Ishikawa

JHG		Hegura jima
JJH		Hakui
JKG		Kaga
JSZ		Suzu
KAN	C	Kanazawa
KAN2		Kanazawa 2
KANJ		Kanazawa
WAJ		Wa jima

Iwate

HMK		Himekami
HSH		Hashikami
JKZ		Kuzumaki
JMK		Ichinoseki
JOM		Ohasama
JRG		Rokugo
JTH		Tanohata
KGJ		Kitakami
MIY		Miyako
MIYJ		Miyako 2
MIZ		Mizusawa
MKO		Miyako
MRK		Morioka
MRKJ		Morioka 2
OFU		Ofunato
OFUJ		Ofunato
SAH		Sawauchi
SNI		Sanriku

Kanagawa

JOD	C	Odawara
JOD2		Odawara 2
JYO		Yokosk
KMK	C	Kamakura
MSK	C	Misaki
OYM		Oyama
SRY		Shiroyama
YOK		Yokohama
YSK	C	Yokosuka

Kyōto

JFM		Mihama
JKY		Yasaka
JWT		Wachi
KMM	C	Kamigamo
KYO		Kyōto
MAI	C	Maizuru
MYD	C	Miyazu
MZH		Maizuru
MZH2		Maizuru 2

Mie

GOZ	C	Gozaisho
INA	C	Iinan
ISE		Ise
JIE		Ise
JKN		Kiinag
KAM	C	Kameyama
OWA		Owase
TSU		Tsu
TSU1		Tsu
TSUJ		Tsu 2

Miyagi

AOB		Aobayama
ISN		Ishinomaki
JIO		Ouri
JMM		Marumori
KMF		Kamafusa
KSN		Kinkasan
KWT		Kawatabi
SEN		Sendai

Nagano

ASM		Asama Yama
AVOE		Asama Obs.
HSJ		Hoshina
IID		Iida
IIDJ		Iida
IKJ	C	Ikusaka
JNG		Nsakai
JNY		Yasuok
KRJ		Kamimuroga
KRZ		Karuizawa
KSJ	C	Kashima
MAJO		Matsushiro
MAT		Matsushiro
MJAR		Matsushiro Array
MTM		Matsumoto
MTMJ		Matsumoto
NGN		Nagano
NNJ	C	Nakano
OIW	C	Oiwake
OMJ		Ohmine
SDJ	C	Sanada
SSJ	C	Shinshu−shinm'i

Nara

HBR		Haibara
JHE		Heguri
NAR		Nara
SRT		Sarutani
YAG	C	Yagi

Niigata

AIK		Aikawa
JAW		Awa shima
JIZZ		Izumozaki
JJN		Nakama
JNS		Sasagawa
JSD		Sado
NII		Niigata
NIIJ		Niigata 2
SBH		Shibata
TKD		Takada
TKJ		Takada

Okayama

JAD		Aida
OKA		Okayama
OKA1		Okayama
OKA2		Okayama 2

Ōsaka

ABU		Abuyama
KAJ		Kashiwara
OSA		Osaka
OSK		Osaka
TKU		Takayasuyama

Saitama

CHJ		Chichibu
CHJJ		Chichibu
DDR		Dodaira
JHU		Hannō
JRY		Ryōgami san
KMG		Kumagaya
KOM	C	Komaba

Shiga

HIK		Hikone
IBU	C	Ibuki Yama
JEG		Eigenji
JTG	C	Taga

Shimane

FUB	C	Fube
HMD		Hamada
JHIK		Hikimi
JJO		Oda
JMD	C	Masuda
JNM		Ikuma
MTS		Matsue
SAI		Saigō

Shizuoka

AJI		Ajiro
GTN	C	Gotemba
HMM		Hamamatsu
HMMJ		Hamamatsu 2
ITO	C	Itō
JIZS		Izushimoda
JSG		Sagara
KOY	C	Koyama
KTJ	C	Kamata
KTJJ		Kamata 2
MIS		Mishima
MSKJ		Misakubo
NGT		Nagatsuro
NUM	C	Numazu
OMA		Omae zaki
SHZ		Shizuoka
SHZ3		Shizuoka 3
SHZJ	C	Shizuoka 2
SUS	C	Susaki
TK01		Tokai 1
TK02		Tokai 2
TK03		Tokai 3
TK04		Tokai 4
TNRJ		Tenryu
YOS	C	Yoshiwara

Tochigi

JAG		Ashikaga
JHO		Hitachi
JKT		Katashina
JSB		Shiboa
KKGU		Kamikuga
UTS		Utsunomiya
UTSU		Utsunomiya
YMZ		Yamizo

Tōkyō

HGJ		Hongo
HNG	C	Hongo
IIS		IISEE
MTK	C	Mitaka
SIN	C	Shinagawa
TOK		Tōkyō

Tottori

JKR		Kurayoshi
SAA	C	Sakai
TOT		Tottori
TOTJ		Tottori
YON		Yonago
YONJ		Yonago 2

ZONE

Code		Station Name
Toyama		
HKI		Fushiki
JTT		Ttatey
TOY		Toyama
Wakayama		
ARD		Arida
HDK	C	Hidaka
JWM		Minabe
JWY		Kouya
JWZ		Kozaga
KKW		Kainokawa
KMN		Kumano
KMT	C	Kinomoto
OIA		Oishiyama (A)
OIB		Oishiyama (B)
OIC		Oishiyama (C)
OIS	C	Oishiyama
SHJ		Shiono misaki
SKW		Shichikawa
TDR	C	Todoroki
WKU	C	Wakaura
WKY		Wakayama
WKYJ		Wakayama 2
Yamagata		
ATM		Atsumi
JOU		Okura
JYA		Atsumi
JYK		Kaneyama
JYS		Shirataka
SAK		Sakata
SKH		Sakata 2
YAM		Yamagata
YAMJ		Yamagata
Yamaguchi		
JKD		Kudamatsu
JTY		Toyota
SHN		Shimonoseki 3
SHN1		Shimonoseki
SHNJ		Shimonoseki 2
Yamanashi		
FUN		Funatsu
JIZ		Nakaizu
JNT		Takato
JYN		Shimob
KOF		Kō fu
OKY		Okuyama
OOM	C	Omiya
KYU*SHU*		
Fukuoka		
FKK		Fukuoka
IZK	C	Iizuka
JFA		Akaike
Kagoshima		
JSJ		Shimokoshiki
JSU		Suzuyama
JZO		Okuchi
KAG		Kagoshima
KAGJ		Kagoshima 2
Kumamoto		
ASJ		Aso san
ASO	C	Aso
JHD		Hondo
JIU	C	Izumi
JTA		Tamana
KUM		Kumamoto
KUMJ		Kumamoto 2
Miyazaki		
JJK		Kushima
JKIT		Kitakata
JKJ		Kijyo
JMH	C	Hososhima
JTSN		Tsuno
MYZ		Miyazaki
MYZ2		Miyazaki 2
NOB		Nobeoka
Nagasaki		
FKJ		Fukue
IZU	C	Izuhara
IZU2		Izuhara 2
IZUJ		Izuhara
JFU		Fukue jima 2
JII		Iki
JTU		Tsushima
JUR		Ureshino
NGS		Nagasaki
NGSJ		Nagasaki 2
TOM	C	Tomie
UNZ		Unzen dake
Ōita		
BEP	C	Beppu
JKI		Kunimi
JNU		Nakatsue
JUS		Usuki
OIT		Oita
OIT2		Oita 2
Saga		
SAG		Saga
RYU*KYU* ISLANDS		
HATJ		Hateruma jima
IRI		Irimote jima
ISI		Ishigaki jima
JAM		Amami Oshima
JIH		Iheya
JIJ		Ishigaki jima 2
JJT	C	Tamagu
JJT2		Tamagusuku 2
JKC		Kuchinoerabu
JKE		Kume jima 2
JMJ		Miyako jima 2
JMZ		Minamidaito 2
JNN		Nakanoshima
JOW		Kunigami
JTJ		Tarama
JTK		Tokunoshima
JTN		Tanegashima 3
JYJ		Yonaguni jima 2
JZK		Kikaishima
KMJ		Kume jima
MVI		Minamidaito jima
MWS	C	Mawashi
MYK		Miyako zima
NAH	C	Naha
NAH1		Naha
NGO		Nago
NGO1		Nago
NKE	C	Nake
NZJ		Naze
TAJ		Tanegashima
TAJ2		Tanegashima 2
YKS	C	Yaku shima
YOJ		Yonaguni jima
SHIKOKU		
Ehime		
JET		Tanbara
JNA		Nagahama
MTY		Matsuyama
NHM	C	Niihama
UWA		Uwa jima
UWA2		Uwa jima 2
Kagawa		
JJS		Sakaide
TAD	C	Tadotsu
TKM		Takamatsu
Kō chi		
AOU		Aou
ASZ		Ashizuri
IHR	C	Ishihara
JKU		Kubokawa
JMN		Monobe
JTO		Tosashimizu
KOC		Kō chi
MRMJ		Muroto Misaki
MRT		Murotomisaki
MRT2		Murotomisaki 2
SHM	C	Shimizu
UMJ		Umaji
URS		Ugurusu
WMY	C	Wakamiya
Tokushima		
JAI		Aioi
TKS		Tokushima
TKSJ		Tokushima 2
TSS		Tsurugi yama

JORDAN

AQBJ		Aqaba
ARTJ		Al Aritein
BURJ		Burma
CSTJ		Casr Tuba
DHLJ		Dahal
GHZJ		Ghuzeima
HITJ		Hittiya
HLBJ		Hallabat
HMTJ	C	Hamta
HSHJ		Hashī m
JARJ		Jarash
JRDJ		Daraweish
JRSJ		J Risha
KFNJ		Kafrein
KSHJ		Kshj
LISJ		El Lisan
MASJ		El Maslubiya
MDRJ		Muduarah
MDSJ		Mudaysisat
MKRJ		Makawir
MRSJ		Marsad
MUDJ		Muduarah
NAQJ		Ras En−Naqb
QTFJ		Qatafi
QTRJ		Qatrana
QUTJ		Qutrana
RUMJ		Er Rumman
RUWJ		Ruweisid
SALJ		Salt
SHBJ		Al Shahba
SHMJ		Saham
SHWJ		Shawbak
SMAJ	C	Sumiya
SULJ		Sultana
UNJ		Univ. of Jordan

KUWAIT

FKI		Failaka Island
KBD		Kabd
MIB		Mutribah
NAY		Al−Naaiem
QRN		Al−Qurain
RDF		Al−Radī fah
RST		Umm Al−Ruwaisat
UMR		Umm Al−Rimmam

LEBANON

BHL		Bhannes
KSA	C	Ksara

MACAO

MCO		Coloane

MALAYSIA

PENINSULAR MALAYSIA

IPM		Ipoh
KGM		Kluang
KLM		Kuala Lumpur
PNN*	C	Penang
SABAH		
KKM		Kota Kinabalu
TSM		Tawau
SARAWAK		
KSM		Kuching

MONGOLIA

EBM		Esen Bulak
OBM		Ulan Bator
ULN		Ulaanbaatar

MUSCAT AND OMAN

BSYO		Bisya
KTMO		Khatum
QHRO		Qairoon Hariti

NEPAL

BAYN		Bayana
CHA		Chatra
DANN		Dangsing
DMN		Daman
GHAN		Ghanteswor
GJRN		Ganjari
GKN		Gorkhā
GUN		Gumba
HARN		Harre
JIRN		Jiri
KKN		Kakani
KOLN		Koldanda
MEGN		Megha
ODAN		Odare
PKI		Pulchoki
PYUN		Piuthā n
RAMN		Ramite
TAPN		Taplejung

NORTH KOREA

PYO	C	Pyŏngyang

PAKISTAN

AMP		Ambar
BGP		Bagra
CBP		Campbellpur
CEP		Cherat
CHCP		Chirah Chowk
CKP		Chanarkot
CPA		Chapri
DBP		Darband
DRP		Derazinda
KAR		Karachi
KIA		Kiara Terrace
LAH	C	Lahore
MNL		Mangla
NIL	C	Nilore
NTP		Nathian
PES	C	Peshawar
PSH		Peshawar
QIB		Qibla Bandi
QUE		Quetta
RBH		Pihur
SAD		Saidpur
SARP		Sargodha
SBDP		Sheikh Budin
SIP		Shinkiari
SWR		Swabi−Maira
THW		Thamme Wali
TRB		Tarbela
WRS		Warsak Dam

PAPUA NEW GUINEA

AGE	C	Agenahambo
ALOA		Alotau
ALOT	C	Alotau
BIAL		Bialla
BLLO		Bulolo
DNG	C	Daru
FINC		Finschhafen
GKA	C	Goroka
GRK	C	Goroka
GRK1		Goroka
KDB		Konedobu
KIAM		Kaiam
KKI		Karkar Island
KPN		Kupiano
KRG	C	Kerema
KUPN		Kupiano
KUTA		Kuta
LAE	C	Lae
LAT		Lae
LKW		Lake Wisdom
LMG		Lamington
LML		Lae − Mt Lunaman
MAD	C	Madang
MCAS		Mount Castle
MDG		Madang
MNDI		Mendi
NADZ		Nadzab
NAMA		Namatanai
OKTD		Tabubil
PDUI		Pindiu
PMG		Port Moresby
POP	C	Popondetta
PUR		Purari
TBL		Tabele
TPN	C	Tapini
TZZ		Tabubil
WAA		Waris
WAB		Wabag
WAU		Wau
WEK	C	Wewak
WEW		Wewak
WWKK		Wewakk
WWW	C	Wewak
YAN		Yangoru
YYYY		Yonkie

PHILIPPINES

GQP		Gqp
BATAN ISLANDS		
BAP*		Basco
BBP		Basco
CEBU		
CCP	C	Cebu City
MAP		Mactan
LEYTE		
PLP		Palo
LUZON		
AMB	C	Ambulong
BAF*		Baguio
BAG		Baguio City
BCP		Baguio City
BNP		Banawang
BWP		Baguio
CVP		Callao Caves
INF		Infanta
LEG		Legaspi
LGP		Legaspi
MAN		Manila (W)
MNP		Morong
MSP		Mt Sto Tomas
PEP		Pantabangan
PIP		Pasuquin
QCP		Quezon City
QVP		Quezon City
SBP	C	Subic Bay
SZP		Santa
TAY		Tayabas
TGY		Tagaytay
TLP		Tuguegarao
VBN		Bulusan
VLH		Lignon Hill
VMR		Mayon Resthouse
VPP		Pira−Piraso
MINDANAO		
BIP		Bislig
BTN	C	Butuan
CGP		Cagayan Oro
CTB		Cotabato
DAP	C	Davao
DAV		Davao City (W)
DIP	C	Dipolog
DWP		Davao
MAM	C	Mambajao
MPP	C	Mount Pasian
PPH		Pasian Peak
VHH		Hibok Hibok
ZMP		Zamboanga
MINDORO		
ABP	C	Abra de Ilog
PGP		Puerto Galera
NEGROS		
VCB		Cabagna−an
VCN		Canlaon
PALAWAN		
PPR		Pto Princesa
PANAY		
ILO	C	Iloilo
PAP	C	Pandan
PDP		Pandan
SAMAR		
CNP		Catarman

SAUDI ARABIA

ABAR		Abū 'Arīsh
ABHA		Abha
AFIF		Afif
AYN		Al'Uyaynah
BADA		Al Bad'
BARA		Baḥrah
BHRA	C	Baḥrah
BISH		Bíshah
BMSH		Bir Mashi
DHJN		Dharan Janob
DHR		Dhahran
HQL		Ḥaql
JIZN		Jī zān
KMSA		Khamā sīn
KMTA	C	Khamis Mushayt
KMTU		Khamīs Mushayṭ
LITH		Al Lith
MADS		Madsous
MATS	C	Near Sharaf
MJMA		Al Majma'ah
MKNA		Makna
QASM		Qassim
RYD		Riyadh
SALT		Sultana
SHRA		Al Sharaya
SHRF		Sharaf
SODA		Al Sooda
SRAT		Sarat Abidah
SRFA	C	Sharaf
TAF1		Taif
TAIF		Aṭ Ṭā 'if
UQSK		'Uqlat aṣ Ṣuqū r
WAJH		Al Wajh
WASL	C	Wasel

ZONE

Code		Station Name

SINGAPORE

SING		Singapore

SOUTH KOREA

INC	C	Inchŏn
INCN		Inchŏn
KSAR		Camp Long Array
KSRS		Korea Array
PUS	C	Pusan
SEO		Seoul
SYU	C	Syuhurei
TAE	C	Taegu

SRI LANKA

COC		Colombo

SYRIA

ARNB		Al Arnab
BDRN		Badran
BIDA		Albida
BRBR		Barbar
BTCH		Batrach
DRWC		Darouich
HAWK		Haweek
JHLN		Al Jahlan
KFRA		Kufra
KOOC		Abou Kooc
MARH		Ras Al Marh
QASN		Qassioun
RABH		Abou Rabah
SALA		Sala
SLMH		Al Salmeh
SLNF		Slenfeh
TCHB		Talchebab
WHAB		Al Wahab
WRDH		Warideh
ZALF		Zalf

THAILAND

BDT		Bhumibol Dam
CHG		Chiang Mai
CHTO		Chiang Mai
CM16		Chiang Mai Array
CM31		Chiang Mai Array
CM32		Chiang Mai Array
CM33		Chiang Mai Array
CM34		Chiang Mai Array
CM35		Chiang Mai Array
CM36		Chiang Mai Array
CMAR		Chiang Mai Array
KBR		Kanchanaburi
KHT		Khaolaem Dam
LOE		Loei
LPT	C	Lampang
NNT		Nongplab
NST		Nakhon Sawan
PCT		Pak Chong
SNG		Songkhla

TURKEY

ABT		Abant
ADAT		Adana
ADT	C	Adana
AGN		Ağin
AGRT		Agri
AKC	C	Akçakoca
AKKT	C	Akkuş
AKY	C	Akyazı
ALT		Altintaş
ANK		Ankara
ANTO		Ankara
ASAT		Aşağiçarikuru
AYK		Aydıncık
AYS		Ayseler
BALT		Daday
BBTK		Belbaşi
BCA		Borçka
BCK		Bucak
BINT		Bingol
BKT	C	Bakacak
BNN		Bünyan
BNT		Bandirma
BOYT		Boyabat
BTLK		Bitlis
BYBT		Boyabat
BZK		Bozkurt
CEM		Çemisgezek
CIN		Cine
COBT		Iskenderun
CTK		Çatak
CTT		Catalca
DGT		Durağan
DIY		Diyarbakir
DKP		Demirköprü
DMK		Demirköy
DMT	C	Demirtaş
DRB	C	Dursunbey
DST		Dursunbey
DVR		Devrek
EDC		Edincik
ELA	C	Elâziğ
ELDT		Eldivan
ELL		Elmali
ELZ	C	Elâziğ
ERCT		Erciyes
ERD	C	Erdek
ERZ	C	Erzurum
ERZT	C	Erzurum
ESE		Esentepe
EYL		Eskiyayla
EZC		Erzincan
EZN		Ezine
FAT		Fatmalar
GAZ		Gaziantep
GBZT		Gebze
GEB	C	Gebze
GET	C	Gonen
GPA		Gölpazarı
GYN		Göynük
GZTT		Gaziantep
HENT		Hendek
HRT		Hereke
HTY		Hatay
IKL		Işikli
ISK		Istanbul−Kandilli
ISP		Isparta
IST	C	Istanbul
IST1	C	Istanbul
ITU		Istanbul
IZI		Iznik
IZM		Izmir
IZN	C	Iznik
KARS		Kars
KART	C	Kargi
KAS		Kastamonu
KCT		Karacabey
KDE		Karadeniz
KEB		Keban
KGT		Karabiga
KHL		Karahallı
KLT	C	Keltepe
KMS	C	Karamürsel
KND	C	Kandıra
KOL		Kolay
KRCT	C	Kiraçtepe
KRH	C	Kırıkhan
KVT		Kavak
KYR		Kayrak
LPK		Lapseki
MDU		Mudurnu
MFT		Murefte
MGN	C	Mengen
MLTT		Malatya
MRFT	C	Murafatepe
MUT	C	Mudurnu
MYA		Malataya
NAL		Nallihan
PERT		Perşembe
PLU		Palu
RAM		Raman
SGKT		Sivrigöynük
SGT		Sevinç
SLF		Silifke
SLK	C	Susurluk
SVST		Sivas
SYT	C	Seydişehir
TBZ	C	Trabzon
TDAG		Tekirdağ
TKTP		Tekketepe
TNC		Tunceli
TOKT		Tokat
TRHT		Turhal
TST	C	Taşlık
TTK	C	Tokmak
ULDT		Uludağ
UZU		Üzümlü
VANT		Van
VEZ		Vezirköprü
VNT	C	Van
YAMN		Yamanlar
YER		Yerkesik
YLV		Yalova
ZGT	C	Zonguldak

COMMONWEALTH OF INDEPENDENT STATES

ARMENIYA

ERE		Yerevan
GNI		Garni
GRS		Goris
KDR		Kadzharan
LEN		Leninakan
STE		Stepanavan
VRD		Vardenis

AZERBAYDZHAN

BAK		Baku
KRV		Kirovabad
LNK		Lenkoran'
MGC		Mingechaur
NAK	C	Nakhichevan'
PRLS		Pirkuli
SHE		Shemakha
ZHI		Zhiloy Island

BELORUSSIYA

MNK		Minsk

ESTONIYA

TTU	C	Tartu

GRUZIYA

ABS	C	Abastumani
AKH	C	Akhalkalaki
BGD	C	Bogdanovka
BKR		Bakuriani
BOR	C	Borzhomi
DUS		Dusheti
GEG	C	Gegechkori
GOR		Gori
KHS		Khaishi
LGD		Lagodekhi
MTA	C	Mtatiminda
ONI		Oni
SAB		Saberio
TI2		Tbilisi 2
TIF	C	Tiflis
TKI		Tkibuli
TSE		Tsebel'da
ZUG	C	Zugdidi

KAZAKHSTAN

AAA		Alma−Ata
BRVK		Borovoye
CHL	C	Chilik
CHM	C	Chimkent
FAB	C	Fabrichnaya
ILI	C	Ili
KRD	C	Kurday
KRM		Kurmenty
KRS	C	Krasnogorka
KURK		Kurchatov
KUU		Kurty
MAKZ		Makanchi
MKAR		Makanchi Array
SEM		Semipalatinsk
TLG		Talgar

KIRGIZIYA

AAK		Ala−Archa
ANVS		Anan'yevo
ARK		Arkit
ARLS		Aral
FRU		Bishkek
NRN		Naryn
PRZ		Przheval'sk
RYB		Rybach'ye
SFK		Sufi−Kurgan

MOLDAVIYA

KIS		Kishinev

RUSSIAN FEDERATION

Altayskiy Kray

CUR		Chagan−Uzun
ELT		Yel'tsovka
UKR		Ust'−Kan
ZAL		Zalesovo

Khabarovskiy Kray

NKL		Nikolayevsk

Krasnodarskiy Kray

ANN		Anapa
KPR	C	KrasnayaPolyana
SOC		Sochi

Krasnoyarskiy Kray

NRI		Noril'sk
NRIL		Noril'sk
NRIS		Noril'sk

Primorskiy Kray

VLA		Vladivostok

Stravropol'skiy Kray

KBZ		Khabaz
KIV		Kislovodsk
KIV0		Kislovodsk Ar.
KIV2		Kislovodsk Ar.
KVAR		Kislovodsk Array
PYA		Pyatigorsk

Amurskaya Obl.

USZ		Ust'−Nyukzha

Arkhangel'skaya Obl.

AMD	C	Amderma
KHE	C	Kheis

Chitinskaya Obl.

CIT		Chita
SRK		Sredniy Kalar
TUP		Tupik

Irkutskaya Obl.

ARS		Arshan
BAY	C	Bayanday
BOD		Bodaibo
CRS		Chara
IRK		Irkutsk
SOL		Solontsovaya
TLY		Talaya
TRG		Tyrgan

Kaliningradskaya Obl.

KNG	C	Königsberg

Kaluzhskaya Obl.

OBN		Obninsk

Kamchatskaya Obl.

APN		Apakhonchich
AVH		Avacha
BKI		Bering
ESO		Esso
KBG		Krutoberegovo
KLY		Klyuchi
KOZ		Kozyrevsk
KRN		Kronoki
MKZ		Mys Kozlova
NLC		Natytchevo
PAU		Pauzhetka
PET		Petropavlovsk
RUS		Russkaya
SEL		Semlyachik
SPN		Mys Shipunski
TOP		Topolovo

Leningradskaya Obl.

LNN	C	St Petersburg
PUL		Pulkovo
VYB	C	Vyborg

Magadanskaya Obl.

BILL		Bilibino
ILT		Iul'tin
MA2		Magadan
MAG		Magadan
MGD		Magadan 1
OMS		Omsukchan
SEY		Seymchan
SUUS		Susuman
USO		Ust'−Omchug

Moskovskaya Obl.

KUC	C	Kucino
MHV		Michnevo
MOS		Moscow

Murmanskaya Obl.

APA		Apatity
APA0		Apatity Array

Nizhegorodskaya Obl.

PECR		Pechory

Novosibirskaya Obl.

NVS		Novosibirsk

Sakhalinskaya Obl.

ESU	C	Esutoru
GOY	C	Gornyy
KOS	C	Kosmodemyansk
KUR		Kuril'sk
LES	C	Lesozavodsk
MAU		Matua
MLK*		Malo−Kuril'sk
OKH		Okha
OOT	C	Ootomari
OTI	C	Otiai
REI		Reidovoe
SHO		Shikotan
SIU		Simushir
SKK	C	Sikka
SKR		Severo−Kuril'sk
TYV		Tymovskoe
UGL		Uglegorsk
YSS		Yuzh−Sakhalinsk
YUK		Yuzh−Kuril'sk

Sverdlovskaya Obl.

ARU		Arti
SVE		Sverdlovsk

Voronezhskaya Obl.

VOR		Voronezh

Yevreyskaya Obl.

KLR		Kul'dur

Buryatskaya ASSR

ALL	C	Alla
BDN		Bodon
BGZ		Barguzin
KAB		Kabansk
KMO		Kumora
KPC		Khapcheranga
KVO		Kovokta
KYA	C	Kyakhta
MOY		Mondy
NIZ		Nizh Angarsk
NLY		Nelyaty
ORA		Oran
ORL		Orlik
OZE		Ozernaya
SVK		Severo−Muysk
TNL		Tonnelnyy
UKT		Uakit
ZAK		Zakamensk

Checheno-Ingushskaya ASSR

GRO		Groznyy

Dagestanskaya ASSR

DRN		Derbent
MAK		Makhachkala
MNAS		Manas

Karel'skaya ASSR

LVZ		Lovozero

Severo-Osetinskaya ASSR

ZEI		Tsey

Tuvinskaya ASSR

ERNS		Erzin
TEL		Teli
UER		Ust'−Elegest

Yakutskaya ASSR

CGD		Chagda
CLNS		Chul'man
KHG		Khandyga
PDY		Peleduy
TIK		Tiksi
TIXI		Tiksi
UNR		Ust'−Nera
YAK		Yakutsk

TADZHIKISTAN

BZN		Bogi−Zagon
CGT	C	Chuian−Garon
CHS	C	Chusal
DSH		Dushanbe
DZE		Dzherino
DZH	C	Dzhafr
DZT	C	Dzhirgatal'
GAM		Garm
GAR		Garm
GIS	C	Gissar
ISH		Ishtion
KDK	C	Khodzhikent
KHO		Khorog
KHR	C	Khorongon
KLD		Kalaidasht
KRU		Karasu
KUL		Kulyab
LNA		Lyangar
MUR	C	Murgab
MUS	C	Muskinabad
NRK	C	Nurek
OBG	C	Obi Garm
RGR		Regar
SAT	C	Sang−Tuda
SHTS		Shaartuz
SMT	C	Sultan−Mazar
TDT	C	Tavil'dara
URT		Ura−Tyube
YAT	C	Yaldymych

ZONE

Code		Station Name
ZIM	C	Zimchurud

TURKMENIYA

ABKT		Ailbek
ASH		Ashkhabad
BAT	C	Bayram−Ali
KAT		Kizyl−Arvat
KRF		Krasnovodsk
MRY	C	Mary
VAN		Vannovskaya

UKRAINA

ALU		Alushta
CRA	C	Chernovtsy
CRB	C	Chernovtsy (B)
FEO		Feodosiya
KIEV		Kiev
KSV		Kosov
LVV		L'vov
MEZ		Mezhgor'ye
MKY	C	Makeyevka
RAK	C	Rakhov
SEV	C	Sevastopol'
SIM		Simferopol'
UZH		Uzhgorod
YAL		Yalta

UZBEKISTAN

AGL		Agalyk
ANR		Andizhan
AUR	C	Aurakhmat
DZI		Dzhizak
FRG		Fergana
GAY	C	Galvasay
LNC	C	Lunacharskoye
NAM	C	Namangan
NAP	C	Napay
NUT		Nurata
SAM		Samarkand
TAS		Tashkent
TMD		Tamdy−Bulak
TUR	C	Turbat

VIETNAM

BGV		Bắc−Giang
DBV		Dienbien
HBVN		Hoa−Binh
HNV		Hanoi
LUV		Laichau
NHA		Nha−Trang
PLV		Phù−Liễn
SPV	C	Sa−pa
TQV		Tuyên−Quang
VIV		Vinh

YEMEN

ADEN		Aden
BDHA		Al−Baidha
DHMR		Dhamar
HAJJ		Hajja
MARB		Ma'reb
SADA		Sadah
TRBA		At Turba
UDYN		Al−Udain

ATLANTIC OCEAN

ASCENSION

ASCN		Ascension

AZORES

ADH		Angra Heroísmo
ADH0		Angra Heroísmo
AGA		Agualva
ASBA		Santa Bárbara
BART		Pico Bartolomeu
CALA		Caldeira
CEDR		Cedros
CML		Chã da Macela
CMLA		Chã da Macela
FAC		Fajã de Cima
FLOR		Flores Is
FOT		Fontinhas
FRA		Furnas
HOR		Horta
LFA		Lagoa do Fogo
MESC		Monte Escuro
MTSA		Monte Escuro
PDA		Ponta Delgada
PICO		Pico
PID		Ribeirinha
PIED		Piedade
RIA		Ribeira da Areia
RIB		Ribeirinha
RIB2		Ribeirinha
ROSA		Rosais
SAZ		Santa Maria I.
SCUM		Serra do Cume
SDCA		Salto do Cavalo
SETA		Sete Cidades
SRBC		Serra Branca
STGR		Santa Cruz
VIF		Vila Franca

BERMUDA

BEC		Bermuda−Col.
BEN	C	Bermuda−Navy

CANARY ISLANDS

CCAN		Las Cañadas
CFTV		Fuerteventura
CHIE		El Hierro
CLAN		Lanzarote
CTFE		Tenerife
CVVD	C	Valverde
GGC		Guía Canaria
GUI		Guimar
TBT		Taburiente
TEN	C	Tenerife
VVD	C	Valverde

FALKLAND ISLANDS

EFI		East Falkland Is
FLK		Falkland Is
PSF	C	Port Stanley

GREENLAND

CCG	C	Camp Century
DAG		Danmarks Havn
GDH		Godhavn
IC−	C	Ice Cap
ILG	C	Inge Lehmann
IVI	C	Ivigtut
KTG		Kap Tobin
NOR	C	Nord
SCO	C	Scoresbysund
SFJ		Sondre
TE−	C	Thule
THU	C	Thule

ICELAND

AKU		Akureyri
AKU−	C	Akureyri
BORG		Borgarnes
EGI		Egilsstadhir
HAH		Háhryggur
LJO		Ljótipollur
REY		Reykjavík
SID		Sida
VIK	C	Vík

JAN MAYEN ISLAND

JMI		Jan Mayen I.
JNE		Jan Mayen East
JNW		Jan Mayen West

MADEIRA ISLANDS

FUL		Funchal

SAINT HELENA

SHEL		St Helena Is.
SHLN	C	St Helena Is.

SVALBARD

EO1		Edge Oya
HSP		Hornsund
ISF	C	Isfjord
KBS		Kingsbay
SPA0		Spitsbergen Ar.
SPB2		Spitsbergen Ar.
SPITS		Spitsbergen Ar.

AUSTRALASIA

AUSTRALIA

BRSB	C	Brisbane

AUSTRALIAN CAPITAL TERRITORY

CAN		Canberra
CNB		Canberra
KOW		Kowen Forest

NEW SOUTH WALES

ARM*	C	Armidale
ARMA		Armidale
AVO		Avon
BWA		Boorowa
CAB	C	Cabramurra
CAH		Castle Hill
CBR		Cabramurra
CMS	C	Cobar Met. Stn
CMSA		Cobar Met. Stn
COO	C	Cooney
DLN	C	Dalton (NSW)
GEE	C	Geehi
HLA	C	Hall's Lagoon
INV	C	Inveralochy
IVN	C	Inveralochy
IVY		Inveralochy
JIN	C	Jindabyne
JNL		Jenolan Caves
KHA		Khancoban
LER		Lerida
MBA	C	Mount Bingar
MEA	C	Monteagle
MEG		Meangora
RIV		Riverview
SBR		S Black Range
STK		Stephens Creek
STKA		Stephens Creek
SYD	C	Sydney
TAO		Talbingo
WAM		Wambrook
WER		Werombi
WYA	C	Wyangala
YNG		Young
YOU	C	Young

NORTHERN TERRITORY

AS01		Alice Springs Ar.
AS02		Alice Springs Ar.
AS03		Alice Springs Ar.
AS04		Alice Springs Ar.
AS05		Alice Springs Ar.
AS06		Alice Springs Ar.
AS07		Alice Springs Ar.
AS08		Alice Springs Ar.
AS09		Alice Springs Ar.
AS10		Alice Springs Ar.
AS11		Alice Springs Ar.
AS12		Alice Springs Ar.
AS13		Alice Springs Ar.
AS14		Alice Springs Ar.
AS15		Alice Springs Ar.
AS16		Alice Springs Ar.
AS17		Alice Springs Ar.
AS18		Alice Springs Ar.
AS19		Alice Springs Ar.
ASAR		Alice Springs Ar.
ASP	C	Alice Springs
ASPA		Alice Springs
DAR	C	Darwin
KAKA		Kakadu
MTN		Manton
WB0		Warramunga Ar.
WB1		Warramunga Ar.
WB2		Warramunga Ar.
WB3		Warramunga Ar.
WB4		Warramunga Ar.
WB5		Warramunga Ar.
WB6		Warramunga Ar.
WB7		Warramunga Ar.
WB8		Warramunga Ar.
WB9		Warramunga Ar.
WCB		Warramunga Ar.
WR0		Warramunga Ar.
WR1		Warramunga Ar.
WR2		Warramunga Ar.
WR3		Warramunga Ar.
WR4		Warramunga Ar.
WR5		Warramunga Ar.
WR6		Warramunga Ar.
WR7		Warramunga Ar.
WR8		Warramunga Ar.
WR9		Warramunga Ar.
WRA		Warramunga Ar.
WRAB		Tennant Creek
WRB		Warramunga Ar.

QUEENSLAND

AWDQ		Awoonga Dam 3
BDMQ		Boondooma Dam
BGRQ		Glenroy
BRS		Brisbane
BSLQ		Bruslee
CTA		Charters Towers
CTAO		Charters Towers
CVLQ		Collinsville
DLBQ		Dalbeg
DNGQ		Doongara
FGTQ		Fig Tree
ISQ		Mount Isa
KDA	C	Kuranda
MCPQ		Mount Cooper
MHPQ		Mount Hope
QIS		Mount Isa
QLP		Quilpie
RMQ		Roma
TVL	C	Townsville
UKAQ		Ukalunda
WBAQ		Buaraba 3
WMBQ		Mount Brisbane
WPA	C	Woody Point
WPMQ		Pine Mountain
WRCQ		Reedy Creek 5
WTGQ		Toogoolawah
WTRQ		Thallon Road
WWHQ		Wivenhoe Hill 3

SOUTH AUSTRALIA

ADE		Adelaide
BBOO		Buckleboo
CLV		Cleve
EDO		Endilloe
HKN		Hawks Nest
HTT		Hallett
ILN	C	Island Lagoon
PNA		Partacoona
RPA		Roopena
SNL	C	Sevenhill
TWOA		Tennyson Woods
UMB		Umberatana
WKA		Willalooka
WSA		Woomera

TASMANIA

BNE		Burnie High Sch.
FNT	C	Hobart
LMT	C	Lemonthyme
MOO		Moorlands
QTN		Queenstown
SAV		Savannah
SFF		Sheffield
SPK		Scotts Peak
STG		Strathgordon
SVR	C	Savage River
TAU		Tasmania Univ.
TRR		Tarraleah

VICTORIA

BFD		Bellfield
BOV	C	Bogong Mts
BUV	C	Buchan
DRT		Dartmouth
GVL		Greenvale
MEL		Melbourne
MTV	C	Mount Tassie
TOO		Toolangi

WESTERN AUSTRALIA

BAL		Ballidu
COOL		Coolgardie
DAM		Dampier
DOCK		Docker River
FITX	C	Fitzroy Crossing
FITZ		Fitzroy Crossing
FORR	C	Forrest
FORT		Forrest
GIRL		Giralia
GLS	C	Giles
KAA	C	Karratha
KLB		Kellerberrin
KLG	C	Kalgoorlie
KLGA	C	Kalgoorlie
KNA		Kununurra
MBL		Marble Bar
MBT	C	Marble Bar
MEEK		Meekatharra
MEK		Meekatharra
MEKA	C	Meekatharra
MRWA		Morawa
MUN		Mundaring
NANU	C	Nanutarra
NAU		Nanutarra
NDA		Nedlands
NWA		Narrogin
NWAO		Narrogin (SRO)
PER	C	Perth
RKG		Rocky Gully
SWV		Swan View
WA1	C	Wongan Hills
WA2		Wagin
WA3		Talbot Brook
WA4		Burakin
WARB	C	Warburton
WAT	C	Watheroo
WBN	C	Warburton
WOOL		Woolibar

MACQUARIE ISLANDS

MCQ		Macquarie Island
MQI	C	Macquarie Island

NORFOLK ISLAND

NIA	C	Norfolk Island

NEW ZEALAND

CAMPBELL ISLAND

CBZ	C	Campbell Island

CHATHAM ISLANDS

CIZ		Chatham Islands

KERMADEC ISLANDS

RAO		Raoul Island

NORTH ISLAND

AMW		Mt Adams
ARA	C	Arapuni
AUC		Auckland
BFZ		Birch Farm
BHW		Baring Head
BLW		Big Hill
BSZ		Bushy Park
BUN	C	Bunnythorpe
CAW		Cannon Point
CAZ	C	Castlepoint
CNZ		Chateau
CRZ	C	Cape Reinga
DFE		Dawson Falls
DNN	C	Dannevirke
DRZ		Dome Shelter
ECZ	C	East Cape
GBZ	C	Great Barrier
GNZ		Gisborne
GSZ	C	Glacier Shelter
HARZ		Haroharo
HAS	C	Hastings
HATZ		Hinemaiaia
HBZ		Hicks Bay
HITZ		Hingarae
HNZ	C	Havelock North
HUTZ		Huka
KETZ		Ketetahi
KIT*	C	Kaitaia
KIW		Kapiti Island
KRP	C	Karapiro
KUZ		Kuaotunu
LIRZ		Lichensteins Rd
MAHZ	C	Mahia
MARZ		Manawahe
MGZ		Maungaku
MNG		Mangahao
MOH	C	Mohaka
MOW		Moikau
MOZ		Mahoenui
MRH		Marewa
MRW		Makara Radio
MRZ		Mangatainoka R.
MTW		Mount Morrison
NEZ		North Egmont
NGZ		Ngauruhoe
NOZ		North Gisborne
NPR	C	Napier
NPZ	C	New Plymouth
NRZ		Ngariki Road
OIZ		Oio
ONE	C	Onerahi
OTW		Orongorongo T.
OUZ		Omahuta
PAHZ		Panekirikiri
PATZ		Paeroa
PGZ	C	Pongaroa
PUZ		Puketiti
QHW		Quartz Hill
RAEZ		Rainy Point

ZONE

Code		Station Name
RATZ		Rangitukua
RBY	C	Rainbow Mt.
RGZ	C	Rangipo
ROS	C	Roseneath
ROT	C	Rotorua
RUZ	C	Raurimu
SNZO		South Karori
STN	C	Seatoun
STZ	C	Stratford
TAHZ	C	Taraponui
TAZ		Tarawera
TEHZ	C	Te Atua
TNZ	C	Tarata
TON	C	Tongariro
TRZ	C	Taradale
TTH		Taradale Trig
TUA	C	Tuai
TUTZ		Tuhingamata
URZ		Urewera
UTU		Utuhina
WAHZ		Wakarara
WCZ		Waipu Caves
WDW	C	Wainui Dam
WEL		Wellington
WGZ	C	Waimangu
WHH	C	Whakatau
WHW		Wright's Hill
WIZ		White Island
WLZ		Whitehall
WNZ	C	Wairakei
WTZ	C	Whakatane

SOUTH ISLAND

AXZ		Alexandra
BBW		Black Birch
BCZ		Braida Crags
BRZ	C	Borland Lodge
BSP	C	Bush Stream
BWZ		Berwen
CCW		Cape Campbell
CDZ	C	Cobb Dam
CHR		Christchurch
CMCZ	C	Cairnmuir Mts
CMZ	C	Cashmere
COB	C	Cobb River
CYZ		Clyde
DCZ		Deep Cove
DIW		D'Urville Island
DMP	C	Diadem
DND	C	Dunedin−Penfold
DNS	C	Denniston
DNZ		Dunedin
DSZ		Denniston North
EWZ		Erewhon
FLW	C	Foulwind
GFW		Glenfield
GLE	C	Glenmuick
GPZ	C	Gebbies Pass
GRY	C	Greymouth
GSP	C	Gladstone Stream
HGP	C	Huxley Gorge
HHP	C	Hogget Hill
KAI	C	Kaimata
KHZ		Kahutara
KKY	C	Kaikoura West
KKZ	C	Kaikoura
LMZ		Lake Moeraki
LRCZ		Leaning Rock
LSCZ	C	Lilico Spur
LTZ		Lake Taylor
MHZ	C	Mount Horn
MJP	C	Mt John Pukaki
MJZ	C	Mount John
MLZ		Mavora Lakes
MMCZ	C	Mount Michael
MMP	C	Mount Mary
MNW	C	Monowai
MQZ		McQueen's Valley
MSCZ	C	Moutere Station
MSZ		Milford Sound
ODZ		Otahua Downs
OMZ	C	Oamaru
PPZ	C	Puysegur Point
QRZ		Quartz Range
RHP	C	Rhoboro Hills
ROX	C	Roxburgh
RTY		Rotoiti
SBCZ	C	Sonora Basin
TAK	C	Takaka
TBC	C	Trig B
TCW		Tory Channel
THP	C	Tara Hills
THZ		Tophouse
TLC	C	Trig L
TMP	C	Tomahawk Gully
TUZ		Tuapeka
WAI	C	Wairiri
WHZ		Wether Hill Road
WPZ	C	Waipapa Point
WVZ		Waitaha Valley

STEWART ISLAND

OBZ		Oban
SIZ		Stewart Island

CARIBBEAN SEA

CUBA

CCCC		Cccc
CISC		Cisc
GBC	C	Guantanamo Bay
GM−	C	Guantanamo
LMGC		Lmgc
MASC		Masc
PINC		Pinc
RCC		Río Carpintero
SABC		Sabc
SOR		Soroa
YAR		Yar

DOMINICAN REPUBLIC

DR01		Juana Núñez
DR03		Pinalito
DR04		Monte Llano
DR05		La Lomota
DR06		La Diferencia
DR08		Loma La Naviza
DR11		La Yayitas
DR12		Loma Yerba B.
DR15		Siete Picos
MAVI		Loma El Jobobán
SACA		Loma Carmona
SDD		Santo Domingo
STDO		Santo Domingo

GRENADA

GRE		Grenada
GRW		Mt St Catherine

GUADELOUPE

BCG		Bois Riant C.
BTG		Basse Terre
CRG		Carmichael
DEG		La Desirade
DOG		D. Capesterre
IAG		Inst. Agronom.
MBG		Matouba
MGG		Marie−Galante
MLG		Mont−d'or
PAG		Le Parnasse
SCG		Saint Claude
SEG		Port Louis
SFG		Saint Francois
SSG		Sans Toucher
TAG		Tarade

HAITI

SSM	C	Saint Martial

JAMAICA

BBJ		Bamboo St Ann
BEV	C	Beverley
BRJ	C	Black River
GWJ		Greenwich
HOJ		Hope
HOP	C	Hope Bay
KIN	C	Kingston
MBJ		Montego Bay
MCJ		Malvern
NCJ		New Castle
PAJ		Port Antonio
PCJ		Portland Cottage
PRJ		Port Royal
RHJ		Red Hills
SPJ		Spur Tree
STH		Stony Hill
YHJ		Yallahs

MARTINIQUE

AIL	C	l'Aileron
BIM		Bigot
BVM		Bellevue
CRM		Caravelle
CXM		Morne La Croix
FDF		Fort de France
MPM		Monte−Pele
MVM		Montagne Vauclin
PAI		P Aileron
PCM		Pelée Case Petit
PMCB		Calebasse
PML		Morne Lénard
SVN		Savane Anatole

MONTSERRAT

MBET		Bethel
MGH		St George's Hill
MWI	C	Montserrat

NETHERLANDS ANTILLES

MRN	C	St Maarten
SBN		Saba

PUERTO RICO

APR		Arecibo
CAG	C	Caguas
CCA	C	Coamo
CDP		Cerro de Punta
CELP		Cerrillos
CGV		Camp Garcia
CLLP	C	Cerrillos
CPD		Cerro la Pandura
CSB		Colonia Sabana
CSJ	C	Cape San Juan
CUP	C	Culebra
DOS	C	Dos Bocas Dam
EYP	C	El Yunque
IDE		Isla Desecheo
IMO		Isla Mona
IMR	C	Isla Mona
LPR	C	La Peregrina
LRS		Lares
LSP		Las Mesas
LSP2	C	Las Mesas
MCP	C	Moca
MEP	C	Mte del Estrado
MGP		Maguayo
MOCA		Moca
MOV	C	Morovis
MPR		Mayagüez
MTP		Monte Pirata
PNP		Penuelas
PON	C	Ponce
PORP		Portuguez
PTP	C	Ponta Puerca
PWP	C	Barrio Florida
PZ−	C	Ponce
RRD	C	Roosevelt Roads
RRP	C	Roosevelt Roads
SJG		San Juan (W)
SJP	C	San Juan
VQS	C	Vieques

TRINIDAD AND TOBAGO

BOT		Bacolet
GNG		Grange
PIG		Pigeon Point
PLS	C	Point Lisas
PLY		Plymouth
SIH		Signal Hill
TBH		Brigand Hill
TCE		Chacachacare
TOB	C	Tobago
TPP		Pointe−à−Pierre
TPR		Prospect
TRN		Trinidad (W)
TTR		Matura

VIRGIN ISLANDS

ABV	C	Anegada
CBYP		Canóvanas
CGPV	C	Cottongarden Pt
SCV	C	Saint Croix
SJV		Saint John
VST	C	Saint Thomas

WEST INDIES ASSOCIATED STATES

ANTIGUA

ANG		Antigua
AWI	C	Antigua
BPA		Boggy Peak

BARBADOS

BDH		Highclere
BDS		Barbados
BRB	C	Barbados

BARBUDA

BWI		Barbuda
CPB		Codrington
O6A		E Barbuda OBS

CAYMAN ISLANDS

GCM		Grand Cayman

DOMINICA

BBL		Barber's Block
DBCT		Belle View Chopil
DGBT		Grand Bay
DOM		Dominica
DPMT		Pointe Michel
DSC		Scotts Head
DSVT		Soufrière Village
DTMT		Tete Morne
MDN		Morne−Daniel

NEVIS

NEV		Hard Times

ST KITTS

BSK		Brimstone Hill
SKDB		St Kitts 2
SKI		St Kitts

ST LUCIA

SLB		Belfond
SLI	C	Saint Lucia
SLW		Petit Monier

ST VINCENT

BHS		Barnard House
FCV		Fort Charlotte
OHS	C	Orange Hill
RSV		Radio Antilles
SOA		Owia
SRH		Rilland Hill
SSV		Crater Summit
SVB		Belmont
SVG		Indian Gallows
SVI	C	Saint Vincent
SVL		Baleine
SVT	C	Saint Vincent
SVV		Soufrière Volcano

CENTRAL AMERICA

COSTA RICA

A10		Crater
ACR		Cerro Adams
AR1	C	Arenal
AR2	C	Lago de Cote
AR3	C	Tierras Morenas
AR4	C	Solania
AR5	C	Santa Elena
AR6		Chiripa
AR7	C	Cape Frico
AR8	C	Nicoya
AR9		North
BUS		Buena Vista
CAO		Cō bano
CDM		Cerro de Muerte
CGAC		Cerro Gallo
CRZC		La Cruz
CTCR		Cotoán
EPA		Esparza
FORC		Fortuna
HDC	C	Heredia
HDC2		Heredia 2
ICR		Volcan Irazu
IDC		Isla del Caño
IRZ	C	Volcán Irazú
IRZ2		Volcán Irazú 2
JCR		Jicaral
JTS		JuntasAbangares
JUD		Juan Dìaz
LARO		La Roca
LCR	C	La Lucha
LCR2		La Lucha 2
LIO		Limòn
LLC	C	La Lucha Farm
OCM		Ochomogo
PBC		Punta Burica
POA	C	Poás
POA2		Poás 2
PTCR		Potenciana
QCR		Quepos
QPS		Quepos
RIN	C	Volcán Rincón
RIN2	C	Volcán Rincón
RIN3		Volcán Rincón
SDS		Sanat. Durán
SJR	C	San José
SJS		Escuela Geología
SPS	C	San Pedro Poas
SRA		San Ramón
TIG		Tigre
TRTC		Tortuguero
TUI		Tuis
URSC		Urasca
VACR		Volcán Arenal
VCR		Vista de Mar
VPS	C	Volcán Poás
VPS2		Volcán Poás 2
VTU		Volcán Turrialba

EL SALVADOR

ADES		Adelaida
AHU		Ahuachapán
ANGS		El Ángel
AYA	C	Ayagualo
BOQS		Boquerón
CIGS		Centro In. Geotec
COAS		Coatepeque
CUSS		Cusmapa
GRDS		Las Granadillas
HUES		Huehuecho
LBRS		Las Brisas
LCBS		La Ceiba
LFRS		El Faro
LFU		La Fuente
LPS		La Palma
NANS		Nanahuazin
NCS	C	N. Concepción
OJOS		Ojo de Agua
PICS		Picacho
QZA		Quezalapa
SDM		Santiago Maria
SJAS		San Jacinto
SSS		San Salvador
TME		Tecomasuche
VSM		San Miguel
VSS		San Salvador
YPE		Yupe

GUATEMALA

BVA		Buena Vista
BVG	C	Bouganvilia
CIM	C	Chimachoy
CMG	C	La Cumbre
CMG2		La Cumbre 2
FGO		Fuego
FGO2		Fuego 2
FUG		Fuego 3
GCG		Guatemala City
HUG		Huitzitzil
ITG		Itzapa
IXG		Ixpaco
JAT		Jato
JMG		Jumaytepeque
JNJ	C	Junjel
KIK		Kika Raxquin
KJA	C	Kiajanaja
KKG		Kukul
LHG		La Concha
LTG	C	Los Tablones
LVG	C	La Victoria
MMG		Magdalena
MRL		Marmol
MYT		Moyuta
NBG		Las Nubes
OC2		Ocós 2
OCG	C	Ocós
PCG		Pacaya
PSG	C	Pto de San José
PSG2		Pto San José 2
QZG		Quezaltepeque
RDG		Rabinal
REC		Recreo
SBG		Sibinal
SBL	C	Sacbachol
SJT	C	SanJuan Tecuaco

ZONE

Code		Station Name
SLG	C	Sinonel
SLP		San Antonio
SOG		Santiaguito
SOG2		Santiaguito 2
SXG	C	Sacranix
TCG		Tacaná
TEP		Tecpan
TER		Terranova
TP2		Tecpan 2
VLG	C	Velasquez
YUP		Yupiltepeque
ZIS		Zishin

HONDURAS

HLH		Cerro de Hule
LTH		Lepaterique
SSU	C	San Pedro Sula
SWA	C	Swan Island

NICARAGUA

ACY		Acoyapa
APY		Apoyeque
ASE	C	Aserradero
BOA		Boaco
CNR		Chonco
COS		Cosiguina
CYN	C	Coyotepe
JIG		Jinotega
LIY		Limay
LNB		Las Nubes
MCH		Masachapa
MMO		Medio Mundo
OME		Ometepe
PYN		Poneloya
PYT		Playitas
RTN		Rota
SMCN		San Marcos
SSN		San Juan del Sur
VER	C	Veracruz

PANAMA

ACH		Altos
ARM	C	Puerto Armuelles
ARM2		Puerto Armuelles 2
AZU		Azuero
BRU		Barú
BYN		Bayano
CNI		Changuinola
DVD		David
ECO		Colón
ECO2		Colón
FH−	C	Fort Sherman
FTA		Fortuna
IPE		Ipeti
JEF		Cerro Jefe
LGT		Lagarterita
UPA		Univ. of Panama

PANAMA CANAL ZONE

BHP	C	Balboa Heights

EUROPE

ALBANIA

BCI		Bajram Curri
BERA		Berati
FRZ		Fierza
KBN		Korca
KKS		Kukësi
KMA		Kami
LACI		Laç
LSK		Leskovik
PHP		Peshkopia
PUK		Puka
SDA		Shkodra
SRN		Sarandë
TIR		Tiranë
TPE		Tepelena
VLO		Vlora

ANDORRA

PAND		Andorre

AUSTRIA

ARSA		Arzberg
GHA		Glashutten
GRA	C	Graz
IBK		Innsbruck
INN	C	Innsbruck
KBA		B. Koelnbrein
KFA		Klagenfurt
KMR		Kremsmünster
LTA		Leoben
MOA	C	Molln
MOTA		Moosalm
MZA		Mariazell
OBKA		Obir
OGA		Obergurgl
PIA		Pitten
SCE		Schlegeis
SQTA		Sankt Quirin
VIE		Vienna
VKA		Vienna
WATA		Walderalm
WTTA		Wattenberg

BELGIUM

DOU		Dourbes
GIP	C	Gileppe
MEM		Membach
SNF		Seneffe
UCC		Uccle
WRM	C	Warmifontaine

BOSNIA-HERCEGOVINA

BLY		Banja Luka
MST	C	Mostar
SAR		Sarajevo
TRA	C	Travnik

BULGARIA

DIM		Dimitrovgrad
JMB		Yambol
KDZ		Kŭrdzhali
KKB		Krupnik
MMB		Musomiste
PGB		Panagyurishte
PLD		Plovdiv
PSN		Preselentsi
PVL		Pavlikeni
RZN		Rozhen
SOF		Sofiya
SZH		Strazhica
VTS		Vitosha

CROATIA

DBR	C	Dubrovnik
HVAR		Hvar
POL	C	Pola
PTJ		Puntijarka
RIY		Rijeka
SEB	C	Sibenik
SNJ	C	Sinj
ZAG		Zagreb
ZAG*	C	Zagreb

CZECH REPUBLIC

CHE	C	Cheb
DPC		Dobruška−Polom
KHC		Kašperské Hory
MORC		Moravský Beroun
NKC		Nový Kostel
OKC		Ostrava−Krásné
PRA		Prague
PRU		Průhonice
VRAC		Vranov

DENMARK

BSD		Bornholm Skov.
BSD*		Akirkeby
COP		Copenhagen
LLD		Lille Linde
MUD		Monsted U'grnd
NE02		Mønsted
NE03		Løgumkloster

GERMANY

BADEN-WÜRTTEMBERG

BEU		Beuren
BFO		Black Forest
BUH		Bühlerhöhe
FBB		Freiburg
FEL	C	Feldberg
FELD		Feldberg
FWS		Furtwangen
GUT		Gutenstein
HDH		Heidenheim
HEI		Heidelberg
HOH	C	Hohenheim
HUN		Hundersingen
KIZ		Kirchzarten
KRL		Karlsruhe
KRW		Karlsruhe West
LBG		Lerchenberg
LIBD		Limburg
MSG		Mössingen
MSS		Messtetten
NEI		Neipperg
RAV	C	Ravensburg
SGW		Sigmaringen
SIND		Sindeldorf
SPAK		Spaichingen
STU		Stuttgart
TUB	C	Tübingen
UBR		Überruh

BAYERN

BHG		Bad Reichenhall
FUR		Fürstenfeldbruck
GAP		Garmisch−P.
GEC2		GERESS C2
GED8		GERESS Array
GED9		GERESS Array
GERES		GERESS Array
GRA1		Gräfenberg Ar.
GRA2		Gräfenberg Ar.
GRA3		Gräfenberg Ar.
GRA4		Gräfenberg Ar.
GRB1		Gräfenberg Ar.
GRB2		Gräfenberg Ar.
GRB3		Gräfenberg Ar.
GRB4		Gräfenberg Ar.
GRB5		Gräfenberg Ar.
GRC1		Gräfenberg Ar.
GRC2		Gräfenberg Ar.
GRC3		Gräfenberg Ar.
GRC4		Gräfenberg Ar.
GRF		Gräfenberg Ar.
GRFO		Gräfenberg
HOF		Hof
MNH	C	Munich
NRD	C	Nördlingen
ROTZ		Rotzenmühle
WET		Wettzell

BERLIN

BRL		Berlin Univ.
BRN		Berlin
BRNL		Berlin−Lankwitz

BRANDENBURG

POT		Potsdam

HAMBURG

HAM		Hamburg

HESSEN

ESP		Espenschied
HAT		Hattorf
JUG	C	Jugenheim
TNS		Taunus Mts
TOD		Tromm

MECKLENBERG-VORPOMMERN

RGN		Rügen

NIEDERSACHSEN

CLZ		Clausthal
GTT		Göttingen

NORDRHEIN-WESTFALEN

AAC	C	Aachen
BEG		Bergheim
BNS		Bensberg
BOC		Bochum
BUG		Bochum−Univ.
CLG		Cologne
GSH		Grosshau
HOK		Hohkeppel
JCK		Jackerath
JUE		Jülich
KLL		Kalltalsperre
MEC	C	Mechernich
MWG		Münster
PLH		Pulheim
STB		Steinbach

RHEINLAND-PFALZ

ABH		Alteburg
BGG		Burgeitz
KOE		Köppel
KTD		Kalmit
PIR		Pirmasens
RUP		Ruppelstein

SACHSEN

BRG		Berggiesshübel
CLL		Collm
LEI	C	Leipzig

SACHSEN-ANHALT

HLE		Halle

SCHLESWIG-HOLSTEIN

BSEG		Bad Segeberg
HLG		Helgoland

THÜRINGEN

JEN	C	Jena
MOX		Moxa
PLN		Plauen
SON	C	Sonneberg

FINLAND

FIA0		FINESS Array
FINES		FINESS Array
HEL		Helsinki
JOE	C	Joensuu
JOF		Joensuu
KAF		Kangasniemi
KEF		Keuruu
KEV		Kevo
KEV1	C	Kevo
KJF	C	Kajaani
KJN		Kajaani
NUR		Nurmijarvi
OUL		Oulu
PKK		Porkkala
PRF		Porvoo
PRV	C	Porvoo
PVF		Pernaja
SDF		Sodankyla
SOD	C	Sodankylä
SUF		Sumiainen
VAF		Ylistaro

FRANCE

ALSACE

BAF		Belacker
CDF		Champ du Feu
CHAF		Chalampé
ECH		Echery
GBF	C	Grand Ballon
GWF		G. Wintersberg
HOFF		Hoffen
LANF		Langenberg
MOF		Molkenrain
SMM		Ste Marie−Mines
SRBF		Surbourg
STR		Strasbourg
WLS		Welschbruch

AQUITAINE

ARH	C	Archignac
ARTL		Arthez−de−Béarn
ATE		Arette
BOH		Bohocortia
BTH		Betharram
CESL		Cescau
ELYF		Elaudy
EPF		Esparros
ESCF		Escot
ETSF		Etsaut
ISSF		Issarbe
JAU		Jaout
LACL		Lacq
LAGL		Lagor
LDBL		Lucq−de−Béarn
LFF		La Frestale
LHE		Lhers
MADF		Madeleine
MONL		Mont
NE09	C	Les Eyzies
NE10		Arette
OGE		Ogeu
ONF		Office Forêts
REYF		Montagne du Rey
SJPF		Ste Jean
USIL		Lacq−Usine

AUVERGNE

AGO		St Agoulin
BGF		Bois d'Agland
CFF		Clermont Ferrand
COLF		Collangettes
LBL		Loubilhac
MAF		Mazirat
MZF	C	Mazirat
PDD	C	Puy−de−Dôme
PLDF		La Plantade
PYM		Petit Puy Manson

BASSE-NORMANDIE

FLN		La Folinière
LDF		La Druitiére
SSC	C	St Sauveur

BOURGOGNE

AVF		Avril sur Loire
GRC		Garchy
LBF		Les Buteaux
LOR		Lormes
MLV		Malvaux
POU		Pouilloux
SMF		Signal de Mont
SSF		Saint Saulge
SSF1	C	Saint Saulge

BRETAGNE

BST		Brest
LPF		le Pertre
QUIF		Quistinic
ROSF		Rostrenen
SGMF		Saint Gilles

CENTRE

CLF	C	Chambon−Forêt
HYF		Humbligny
NE08	C	Aigurande

CORSE

CVF	C	Calvi
PGF		Pioggiola
SMPL		Sampolo

FRANCHE COMTÉ

BES		Besançon
BSF		Ballon Servance
CABF		La Chapelle
CNF	C	Cerre−les−Noroy
LOMF		Lomont
ROF		Roppe
VOU		Vouglans

ÎLE-DE-FRANCE

PAR		Paris
VDM		Villiers−Adam

LANGUEDOC-ROUSILLON

MTHF		Mouthoumet
MTLF		Montolieu
PERF		Col du Perthus
SJAF		Ste Jean
SMCF	C	St Martin Canigou
TRGS		Targassone
VDCF		Villefranche

LIMOUSIN

LSF		La Souterraine
RJF		Les Réjaudoux
SER		Sermur
TCF		Toulx Ste Croix

LORRAINE

HAU		Haudompre
HINF		Hinteralfeld
THEF		They Montfort
VITF		Vittel

MIDI-PYRÉNÉES

BDB	C	Bagnères−Bigorre
CAF		Calviac
ENSF	C	Ens
GRBF		Gourbit
LESF	C	Lescure
LPEF		Le Peyrat
LPO		Le Pouchou
LSPF	C	Lesparou
MLS	C	Moulis
RESF		Ens
SALF		Salau
VIEF		Viey

NORD-PAS-DE-CALAIS

BAIF		Baives
DOMF		Dompierre
GIVF		Givet
LIL	C	Lille

PAYS DE LA LOIRE

GRR		Gorron
LMF	C	Le Mans
SGR		Segré

PICARDIE

MENF		Mencas

POITOU-CHARENTES

LCHF		La Châtaigneraie
LRYF		La Roche
MFF		St Martin

ZONE

Code		Station Name
OLEF		Ile d'Oléron
PROVENCE-CÔTE D'AZUR		
ARBF		Arbois
ASPF		Aspremont
AURF		Auriere
AUTN		L'Aution
BERF		Bertagne
CALF		Calern
CALN		Calern
CARF		Carcanières
CDR		Cadarache
CHDN		Chaudanne
CMF	C	Cannet Maures
FOUF		Fouillouse
FRF		La Forêt Royale
GANF		Ganagobie
GELF		Grande−Etoile
ISO		Isola
LMR		La Mourre
LRG		Lorgues
MAR	C	Marseilles
MBDF		Montbardon
MUIF		Mont Vial
MVIF		Mont Vial
PRAF		Pradon
PUYF		Puyloubier
REVF		Revere
ROG		Rognes
ROU	C	Rougiers
SAOF		Saorge
SBF		Sospel
SPF	C	St−Paul−en−Forêt
STET		St Etienne
SURF		Saint Ours
TAVF		Tavernes
TOUF		Mont Tournerait
TREF		Trevaresse
VILF		Villemus
RHÔNE-ALPES		
BOF		Bonneval
GDM		Grand'Maison
GGF	C	Granges−G.
GRN		Grenoble
GRN*	C	Grenoble
LASF		Ste Croix
LNS		Lanslevillard
LPG		La Plagne
LPL		La Plagne
MNY		Monteynard
OCF		Saint Nazaire
ORIF		Oris−en−Rattier
PCHF		Pas de la Coche
RSL		Roselend
SOU		Souberoche
SSB		St Sauveur Rue
VIVF		St Julien le Roux

GREECE

AGG		Agios Georgios
ALN		Alexandroúpolis
AOS		Alónnisos
APE		Apeiranthos
ARG		Arkhángelos
ATH		Athens Obs.
EVR		Evrytania
FNA		Florina
GRG		Griva
IGT		Igoumenitsa
ITM		Ithomi
JAN		Janina
KAP		Kárpathos
KEK		Kérkira
KNT		Kendrikon
KSL		Kastellórizon
KSO		Kastoría
KZN		Kozani
LIA		Límnos Island
LIT		Litókhoron
LKR		Lokris
LOS		Límnos
NEO		Neokhóri
NVR		Nevrokopi
OUR		Ouranopolis
PAIG		Paliouri
PAT		Patras
PLG		Polygyros
PRK		Paraskevi
PTL		Penteli
RDO		Rodhópi
RHO	C	Rhodes
RLS		Riolos of Patras
SKY		Skíros Island
SMG		Sámos
SMS	C	Sámos
SOH		Sokhós
SRS		Sérrai
THE		Thessaloniki
VAG		Aggia Anna
VFI		Filaki
VGL		Glafira
VLI		Veliaí
VLS		Valsamáta
VMA		Markátes
VNE		Neochorion
VPA		Pavliani
VSI		Simia
VSK		Skopelos
VTH		Erithrai
XIO		Khíos Island
XOR		Xoríchti
ZAN		Zante
CRETE		
NPS		Neápolis
VAM		Vámos

HUNGARY

BKE		Békéscsaba
BUD		Budapest
DEB	C	Debrecen
JOS		Josvafo
KAL	C	Kalocsa
KEC		Kecskemét
PSZ		Piszkesteto
SOP		Sopron
SZE	C	Szeged
TIH		Tihany
UZD		Úzd

IRELAND

CORK	C	Cork
DCN		Croghan
DDK		Dunsink Obs.
DKM		Kilmashogue
DLE	C	Lyons Estate
DLF		Lyons Farm
DMS		Dublin Merrion
DMU		Kingscourt
DMUB		Kingscourt
DSB		Dublin
DUB	C	Rathfarnham
ECB		Carrickbyrne
ECP		Carnsore Point
ETA		Tara
VAL		Valentia

ITALY

ACI		Arcavacata
ALP		Ascoli Pisceno
AMI	C	Amelia
ANS		Ancona
AOI		Ancona
AQU		l'Aquila
ARV		Arcevia
ASS		Assisi
AZI	C	Avezzano
BAD		Bernadia
BAI		Bari
BALI		Monte Baldo
BDI		Bagni Di Lucca
BHB		Bricherasio
BIE		Brione
BLZ		Bolzano
BNI		Bardonecchia
BNV	C	Benevento
BOB		Bobbio (Coli)
BOL		Bologna
BOO		Bordano
BORS	C	Borseda
BRT		Bari−Castellana
BSL		Borgo
BSS		Baronissi
BUA		Buia
BVT		Borgo Val di Taro
CAE		Caneva
CALI		Calice
CAP	C	Capodimonte
CAS	C	Casamari
CAV		Cavalese
CEL		Celeste
CHV	C	Chiavari
CIO		Camerino
CKI		Cairo Montenotte
CLR	C	Collurania
CMR	C	Camerino
COLI		Coloredo
CRE		Caprese Michel
CRN		Corinaldo
CSI		Cassano Ionio
CSM	C	Casamicciola
CSO		Casso
CSZ		Casera Razzo
CTI		Castel Tesino
CVI		Capo Vaticano
CZI		Monte Cocuzzo
DDS		Dosso d. Sommo
DMD	C	Domodossola
DOI		San Damiano
DPS		Deserto P. S.
DRE		Drenchia
DUI		Duronia
ENR		Entracque
ERT	C	Erto−Casso
FAE	C	Faenza
FG2		Serracapriola
FG3		Mte Sant'Angelo
FG4		Candela
FG5		Orsara di Puglia
FGG		Foggia
FIN		Finale Ligure
FIR		Firenze
FOA	C	Forni Avoltri
FOL	C	Foligno
FSC		Fuscaldo
FSI		Fosdinovo
FVI		Forni Avoltri
GEN	C	Genoa
GENL		Genova U.
GIN		Stromboli−G
GMB		Gambarie
GRI		Girifalco
IMI		Imperia
LCI		Lecce
LIV	C	Leghorn
LPD		Lampedusa
LPI		Lipari
LSD		Ceresole Reale
LSR		Lussari
MAO		Monte Argentario
MCI	C	Monte Cassino
MDI		Monti di Nese
MGR		Morigerati
MIL	C	Milan
MLE	C	Mileto
MME		Monte Cimone
MMN		Mormanno
MNC	C	Moncalieri
MNS		Montasola
MONE		Monesi
MPRI		Monte Prat
MRVI	C	Mt Valcellina
MSC		Monte Massico
NEGI		Negi
NPL	C	Naples
OII		Orti
ORI		Oriolo Calabro
ORO		Oropa
ORX		Oropa
OVO		Vesuviano
PAD	C	Padua
PANI		Panarotta
PAV		Pavia
PCN		Piacenza
PCP		Pian Castagno
PDC	C	Pieve di Cadore
PDI	C	Porto d'Ischia
PGD		Poggio Sodo
PII		Pisa
PIS	C	Pisa
PLRO		Paularo
PMP	C	Pompeii
PNI		Pinerolo
POBI	C	Pontebba
POI	C	Polino
PRG		Perugia
PRO		Pesaro
PRT		Prato−Toscana
PTC		Porto Cannone
PZZ		Prazzo
QCI	C	Quattro Castella
QRI		Quarto
RBL	C	Raibl
RCI		Reggio Calabria
RCL		Mte Valcellina
RDP	C	Rocca di Papa
RFI		Roccamonfina
RMP		Rome, Mte Porzio
RNI		Roncone
ROB		Roburent
ROI		Rossano
ROM	C	Rome
RRL		Cesana Torinese
RSP		Reno Superiore
SAE	C	Statte
SAL		Salò
SARO		Sassorosso
SDI		San Donato
SFI		Santa Sofia
SGG		Gregorio Matese
SGI	C	San Gémini
SGO		Sicignano
SIE		Siena
SMP	C	Somplago
SOI		Samo
SSO		Sasso d'Italia
STV		Sta Anna Valdieri
TAR	C	Taranto
TDS		Terranova Sibari
TLI		Talmassons
TLM		Tolmezzo
TNO		Torino
TRE	C	Trente
TRI		Trieste
TRS	C	Trieste (CM)
TRV	C	Treviso
TTE		Trieste
TTI	C	Taranto
TU1	C	Tuscania
UDI		Udine O.G.S.
UDN	C	Udine
VAI		Varese
VAJ		Vajont
VEA		Veano
VEN	C	Venice
VG1	C	Voghera
VINC		Vinca
VLC		Villacollemandina
VVI		Villa di Villa
ZOU		Zoufplan
SARDINIA		
CCI		Cagliari Citta
CGL		Cagliari Serpeddi
CRL	C	Carloforte
CUG		Cuglieri
OLB		Olbia
SICILY		
ACL		Alicudi
ATN		Antennamare
CAT		Catania
CVT		Castelvetrano
ERC		Erice
FAI		Favara
GIB		Gibilmanna
GIO		San Gregorio
GZI		Ganzirri
IMT		Isola di Marettimo
LLI		Lipari
LVI		Isola Levanzo
MCT		Mte Cammarata
MEI	C	Melilli
MES		Messina Univ.
MEU		Monte Lauro
MNE	C	Mineo
MNO		Monte Soro
MPG		Monte Pellegrino
MSI		Messina ING
MVT		Monte Vettore
NOV		Novara
PLI		Panarea
PLR		Palermo
PTS		Pantelleria
PZI		Palazzolo
SSY		Sortino
USI		Ustica
VPL		Vulcano Piano
ZA1		Zafferana

LUXEMBOURG

LUX	C	Luxembourg
WLF		Walferdange

MACEDONIA

KAY		Katlanovo
LIP		Lipkovo
MYG		Matka
OHR		Ohrid
SKO		Skopje
VAY		Valandovo

MALTA (AND GOZO)

MLT		Malta

MONACO

MON		Monaco

MONTENEGRO

BDV		Budva
BRY		Bratogost
HCY		Herceg Novi
IVA		Berane
NKY		Nikšić
PLE		Pljevlja
PVY		Plav
TTG		Podgorica
ULC		Ulcinj

NETHERLANDS

DBN		de Bilt
ENN	C	Epen
HEE	C	Heerlen
HGN		Heimansgroeve
NE05		Utrecht
NE15		Valkenburg
RSB	C	Ravensbos
WIT		Witteveen
WTS		Winterswijk

NORWAY

ARA0		ARCESS Array
ARCES		ARCESS Array
ASK		Askøy
BER		Bergen
BJO		Bjørnøya
BLS		Blåsjø
BLS1	C	Blåsjø
BLS2	C	Blåsjø
BLS3	C	Blåsjø
BLS5		Blåsjø
EGD		Espegrend
FOO		Florø
FRO		Frøya
HYA		Høyanger
KMY		Karmøy
KON	C	Kongsberg
KONO		Kongsberg
KRK	C	Kirkenes
KTK1		Kautokeino
KTK2		Kautokeino
KTK3		Kautokeino
KTK4		Kautokeino
KTK5		Kautokeino
KTK6		Kautokeino
LHN	C	Lillehammer
LOF		Lofoten
MOL		Molde
MOR1	C	Moi Rana
MOR2	C	Moi Rana
MOR3	C	Moi Rana
MOR4	C	Moi Rana
MOR5	C	Moi Rana
MOR6	C	Moi Rana
MOR7	C	Moi Rana
MOR8		Moi Rana
N10	C	NORSAR C
N11	C	NORSAR C
N12	C	NORSAR C
N13	C	NORSAR C
N14	C	NORSAR C
NAO		NORSAR 1A
NB2		NORSAR 2B
NB3	C	NORSAR 3B
NB4	C	NORSAR 4B
NB5	C	NORSAR 5B

ZONE

Code		Station Name
NB6	C	NORSAR 6B
NB7	C	NORSAR 7B
NBO		NORSAR 1B
NC2		NORSAR 2C
NC3		NORSAR 3C
NC4		NORSAR 4C
NC5	C	NORSAR 5C
NC6		NORSAR 6C
NC7	C	NORSAR 7C
NC8	C	NORSAR 8C
NC9	C	NORSAR 9C
NCO	C	NORSAR 1C
NOA		NORSAR Array
NORES		NORESS Array
NRA0		NORESS Array
NRA1		NORESS Array
NRA2		NORESS Array
NRA3		NORESS Array
NRB1		NORESS Array
NRB2		NORESS Array
NRB3		NORESS Array
NRB4		NORESS Array
NRB5		NORESS Array
NRC1		NORESS Array
NRC2		NORESS Array
NRC3		NORESS Array
NRC4		NORESS Array
NRC5		NORESS Array
NRC6		NORESS Array
NRC7		NORESS Array
NRD1		NORESS Array
NRD2		NORESS Array
NRD3		NORESS Array
NRD4		NORESS Array
NRD5		NORESS Array
NRD6		NORESS Array
NRD7		NORESS Array
NRD8		NORESS Array
NRD9		NORESS Array
NRE0		NORESS Array
NSS		Namsos
ODD	C	Odda
ODD1		Odda
OO−	C	Oslo
OSG		Oseberg A
RGS		Rognes
RUND		Rundenannen
SUE		Sulen
TRO		Tromsø

POLAND

BEL	C	Belsk
BRE	C	Wroclaw
BYT		Bytom
CHZ	C	Chorzów
CYP	C	Chylin
DGP		DabrowaGornicza
KRA	C	Kraków
KSP		Ksiaz
NIE		Niedzica
OJC		Ojców
RAC		Racibórz
RBN	C	Rybnik
SUW		Suwalki
WAR		Warsaw
ZAB		Zabrze

PORTUGAL

ALMR		Almeirim
AMRP		Almeirim
COI		Coimbra
FAR		Faro
FIG		Monte Figo
INMG		Inst. Geofisica
LIS		Lisbon
MOE		Montemor
MTE		Manteigas
MTH		Montachique
MVO		Moncorvo
PBEJ		Beja
PBRG		Bragança
PCBR		Castelo Branco
PFBV		Barranco
PFFO		Foia
PFMF		Monte Figo
PFPE		Pêra
PFSB		S. Bartolomeu
PFSC		Santa Clara
PFVI		Vila Bisbo
PLML		Palmela
PMJU		Montehunto
PRL		Portalegre
PTEO		S. Teotónio
PTO		Porto
PVIS		Viseu
PVRL		Vila Real

ROMANIA

AAR	C	Sfinta Ana
ARR		Argeş
BAC		Bacău
BIR		Birlad
BIZ		Bicaz
BMR		Baia Mare
BRD		Bordeşti
BUC		Bucharest
BUC1		Bucharest
BZS		Buziaş
CDB	C	Căldăruşani
CEA	C	Ceahlău
CEI		Carei
CFR		Carcaliu
CGN		Călugăreni
CJR	C	Cluj−Napoca
CJR1		Cluj−Napoca
CLI		Coloneşti
CLO		Closani
CLU	C	Cluj
CMP		Campulung
COZ		Cozia
CVD		Cernavoda
CVO		Covasna
DEV		Deva
DOC	C	Dochia
DRA		Drăgăşani
DRR		Drăgan
FOC		Focşani
FTB		Fîntînele
GZR		Gura Zlata
HNM	C	Heniu Mare
IAS		Iaşi
ISR		Istrita
LOT		Lotru
LRR		Lereşti
MDB		Mediaş
MII	C	Mălini
MLR		Muntele Roşu
MSR		Malnas
MTUR		Mătău
ODB	C	Odobeşti
PPE		Popeni
PTT		Piatra Neamţ
SBE	C	Sebeş
SDR		Surduc
SNX		Sinaia
SRE		Strehaia
SSR		Susara
TIM		Timişoara
TLB		Topalu
TNR		Turnu Roşu
TUU		Turnu Roşu
VCT		Victoria
VLR	C	Valea Ierii
VRI		Vrîncioaia

SAN MARINO

RSM		Rep. San Marino

SERBIA

BEO		Belgrade
BGY		Belgrade

SLOVAK REPUBLIC

BRA	C	Bratislava
HRB		Hurbanovo
SPC		Skalnaté−Pleso
SRO		Srobárová
ZST		Bratislava

SLOVENIA

BISS		Bistriski jarek
CESS		Cesta pri Krskem
CEY		Cerknica
DBY	C	Dobrovo
DOBS		Dobrina
GRJ	C	Gorje
LJU		Ljubljana
VBY		Vinica−Bojanci
VOY		Vojsko

SPAIN

AAPN		Arroyo Pinares
ACHM		Chimeneas
ACU		Canalobre
AFC	C	Alfacar
ALI		Alicante
ALJ		Aljibe
ALM	C	Almería
ALOJ		Loja
ALR	C	Isla de Alboran
APHE		Pico Herrero
ASMO		Sierra Morrones
ATEJ		Tejeda
AVN		Avellanes
CNIL		Conil
CRT		Cartuja
DILR		Dilar
EALH		Alhama de Murcia
EBAN		Baños Encina
EBR		Ebro Roquetas
ECHE		Chera
ECOG		Cogollos−Vega
ECRI		Cripán
EGRA		Graus
EGUA		Güajares
EHOR		Hornachuelos
EHUE		Huéscar
EJIF		Jimena Frontera
EJIM	C	Jimena Frontera
ELIJ		Sierra de Lijar
ELIZ		Elizondo
ELOJ		Sierra Loja
ELUQ		Luque
ELVI		Sierra Elvira
EMAL		Málaga−Limonero
EMEL	C	Melilla
EMON		Mondoñedo
ENIJ		Níjar
EPLA		Plasencia
EPRU		Pruna
EQUE		Quéntar
ERIP		Rio Piedras
ERON		Agrón
EROQ		Roquetas del Mar
ERUA		La Rúa
ESDC		Sonseca Array
ESLA		Sonseca Array
ESLB		Sonseca Array
ESLC		Sonseca Array
ESLD		Sonseca Array
ESLE		Sonseca Array
ESLF		Sonseca Array
ESLG		Sonseca Array
ETER		Terradas
ETOR		Torete
EVAL		Valverde
EVIA		Vianos
EZAM		Zamans
FBR		Fabra
FONT		Fontmartina
GIBL		Gibalbín
GUD		Guadarrama
LGR	C	Logroño
LIJA		Lijar
MAL		Málaga
MDD	C	Madrid
MOMI		Momías
MRB		Monserrat
NE11		Ainzon
NE12	C	Valle Caidos
NE13		Puertollano
NE14		Granada
OJEN	C	Ojén
OLT		Olot
PAB		San Pablo
PINR	C	Pinar
PLAT		Plata
RANB		Rancho Bola
RESI		Resinera
SFS		San Fernando
SFUC		San Fernando
SRQ	C	San Roque
STS		Santiago
TINT	C	Rio Tinto
TLO	C	Toledo HGLP
TOL	C	Toledo
TORR		Tordecillas
VIH		Vielha

BALEARIC ISLANDS

ESEL		Selva

SWEDEN

ABB	C	Abborråsen
ABK	C	Abisko
APO		Äppelbo
ATR		Alsterbro
BYD	C	Bredaryd
DEL		Delary
DEL1	C	Delary
GBD	C	Granbergs Dal
GNN	C	Gunnerudssatern
GOT	C	Göteborg
HED	C	Hedekas
HFS		Hagfors
HRN		Horndal
HVK	C	Hallstavik
KIR		Kiruna
KLS	C	Karlskrona
KTN		Katrineberg
LUN	C	Lund
MRE	C	Mariestad
MYV		Myrviken
NE01	C	Göteborg
NSD		Näsudden
NYK		Nyköping
OLF	C	Olofström
ORK	C	Örkelljunga
SGAS	C	Stånga
SKA	C	Skalstugan
SLL		Stollet
TBY		Torsby
TNU	C	Tenhult
UDD		Uddeholm
UME		Umeå
UPP		Uppsala
VAS	C	Vassijaure
VEB	C	Veberöd
VIM		Vimmerby
VNY	C	V. Nysäter

SWITZERLAND

AIGLE		Aigle
APL		Alpnach
BAS	C	Basle
BBS		Basel−Blauen
BNALP		Bannalp
BOURR		Bourrignon
BRI	C	Brig
BUB	C	Buchberg
CHU	C	Chur
DAVOS		Davos
DIX		Grande Dixence
EMO	C	Emosson
EMS		Emosson−Mur
LLS		Linth−Limmern
MMK		Mattmark
NEC		Neuchâtel
NEU	C	Neuchâtel
ORB	C	Orbe
OSS		Ova Spin
SAX	C	Saentis
SIERE		Sierre
SIS	C	Sion
SLE		Schleitheim
TMA		Tamaro
VDL		Val di Lei
ZLA		Zuerich Laegern
ZUL	C	Zürich−Lageren
ZUR	C	Zürich

UNITED KINGDOM

CHANNEL ISLANDS

JLP		Les Platons
JRS		Jersey
JSA		Saint Aubin
JVM		Valle d.l. Mare

ENGLAND

AEU		E Anglia Univ.
AFH		Ashford Hill
AWH		Whinburgh
BHM		Barham
BID	C	Bidston
BKN		Blacknest
BMY		Bingley Moor
BUW		Bucklebury West
BUWY		Burn
CLB	C	Chilbolton
CME	C	Menerdue Farm
CPZ		Penzance
CRQ		Rosemanowes
CRQ2		Rosemanowes
CWF		Charnwood
DCO		Combe Farm
DUR		Durham
DYA		Yadsworthy
GILD	C	Guildford
HAE		Alders End
HBL2		Bonnylands
HEA		Headley
HEX		Exmoor
HGH		Gray Hill
HHWY		High Hoyland
HPK		Haverah Park
HTL		Hartland
KEW	C	Kew
KSY		Syston
KUF		Ufford
KWE		Weaver Farm
LBH		Morecambe B102
LBO		Bowland
LCK	C	Crook
LCP		Cassop
LDU		Leeds Univ.
LHO		Holmfirth
LKL	C	Kirkby Lonsdale
LLO	C	Longridge
LLY		Lytham St Annes
LMI		Millon
LMK		Market Rasen
LRN		Richmond
LVR	C	Liverpool
LWH		Whinny Nab
MMY		Middlesmoor
OMWY		Oxenhope Moor
OXD	C	Oxford
POE		Porton East
POS	C	Porton South
QMB	C	Queensbury
SBD		Saint Breward
SCK		South Creake
SHID	C	Shide
STO	C	Stonyhurst
TBW		Brentwood
TCR		Colchester
TEB		Eastbourne
WBE	C	West Bromwich
WOL		Wolverton
WON		Wolverton North
XAL		Allendale
XDE		Dent Fell

ISLE OF MAN

GIM		North Isle of Man
WIM		Isle of Man

NORTHERN IRELAND

GCL		Cushendall
GMM		Mts of Mourne

ORKNEY ISLANDS

OHO		Hoy
OST		Stronsay
OWE		Westray

SCOTLAND

ABE		Aberdeen
EAB		Aberfoyle
EAU		Auchinoon
EBH		Black Hill
EBL		Broad Law
ECK		Cauldkaine Hill
EDI		Edinburgh
EDR		Drumtochty
EDU		Dundee
EGL	C	Gala Law
EGL1		Gala Law
EKA		Eskdalemuir Ar.
EKB		Eskdalemuir
EKB4		Eskdalemuir B4
ELO		Logie Almond
ESK		Eskdalemuir
ESY		Stoneypath
GCD		Castle Douglas
GMK		Mull of Kintyre
KAC		Achnashellach
KPL		Plockton

ZONE

Code		Station Name
KSB		Sheil Bridge
KSK		Scoval
KYL	C	Kyle
MCD		Coleburn Distill.
MDO		Dochfour
MFI		Fishrie
OBR		Brabster
ORE		Reay
OTO		Tongue
RCR		Cape Wrath
REB		Eisghbrachaidh
RFO		Forsnaval
RRH		Rhenigidale
RRR		Rubha Reidh
RSC		Scourie
RTO		Tolsta
XSO		Sourhope Farm

SHETLAND ISLANDS

LRW		Lerwick

WALES

BYB		Berrybush
HCG		Craig Goch
HPE		Pembroke
HSA		Swansea
HTR		Trewern Hill
LLW		Llanuwychllyn
LPW		Lampeter
WBR		Bronaber
WFB		Fairbourne
WLC		Llyn Conwy
WME		Myndd Eilian
WST		Stwlan
WVR		Vyrnwy
YLL		Llanberis
YRC		Rhoscolyn
YRE		Yr Eifl
YRH		Rhiw

INDIAN OCEAN

ANDAMAN ISLANDS

PBA		Port Blair

CHRISTMAS ISLAND

XMI	C	Christmas Island

COCOS ISLANDS

CCK	C	Cocos Island
COCO		West Island

CROZET ISLANDS

CRZF		Crozet Islands

HEARD ISLAND

HII	C	Heard Island

KERGUELEN ISLANDS

KCA		Cave
KCH		Monts Château
KPB		Port Bizet
KPD		Port Douzième
PAF		Port aux Français
PMK		Pointe Molloy

LACCADIVE ISLANDS

MNCI		Minicoy

MADAGASCAR

ABM		Ambohimiarambe
ATG		Ambohiby
AVY	C	Angavokely
FRR	C	Firariana
MDSM		Mandiavato
OPO		Ambohidratompo
TAN		Tananarive
VDA		Vodivohitra
VTY		Vatovaky

MAURITIUS

MRI	C	Mauritius Island

PRINCE EDWARD ISLANDS

MIO		Marion Island

RÉUNION

PCR	C	La Plaine Cafres
RER		Plaine−des−Cafres
REU		Réunion

SEYCHELLES

MSEY		Mahé Island
SEYC	C	Seychelles

NORTH AMERICA

CANADA

ALBERTA

BAN	C	Banff
CLM	C	Coleman
EDM		Edmonton
ELD		Ethyl L. Duckett
JP−	C	Jasper
KV−	C	Keg River
SES		Suffield
WALA		Waterton Lakes
WS−	C	Waterways

BRITISH COLUMBIA

ALB		Alberni
ATC	C	Attachie
BBB		Bella Bella
BDBC		Bennett Dam
BIB		Bowen Island
BMBC		Bull Mountain
BNAB		Bonilla
BNB		Barry Inlet
BPBC		Brooks Peninsula
BQB		Bob Quinn Lake
BTB		Buttle Lake
CARB	C	Mount Cartier
CBB		Campbell River
CCC	C	Cusp Creek
CK−	C	Cache Creek
CTC	C	Chetwynd
CWB		Cumshewa
DLB		Dease Lake
DLBC		Dease Lake
DOWB	C	Downie Slide
DPRB	C	Downie Pk Ridge
EDB		Eliza Dome
EPMB	C	Univ. Columbia
ETB		Estevan Point
FKBC		Forrest Kerr
FL−	C	Fort Nelson
FNBC		Fort Nelson
FNC	C	Finlay Fork
FRC	C	Federal Ranch
FRN	C	Fernie
FSB		Fort Saint James
FSJ	C	Fort Saint James
FT−	C	Fort McLeod
GDR		Gold River
GOB		Galiano Island
GSTB	C	Goldstream Park
HBC	C	Horseshoe Bay
HM−	C	Hundred Mile H.
HNB		Haney
HOLB		Holberg
HYC	C	Haney
KBB		Kelsey Bay
LIB		Langara Island
LLL	C	Lillooet
LLLB		Lillooet
LR9		Liard River
MABC		Malibu
MAYB		Maynard
MCC	C	Mica Creek
MCE	C	Mica Creek
ME−	C	Merritt
MGB		Mount Grey
MNB		Mounoet Dainard
MOBC		Moresby Island
MSTB		Masset
MUB		Muncho Lake
NAB		Nanaimo
NCRB		Newcastle Ridge
NDB		Naden
OFB		Ocean Falls
OZB		Mount Ozzard
PCB		Port Clements
PD−	C	Princeton
PFB		Port Renfrew
PG−	C	Prince George
PGC		Sidney
PHC		Port Hardy
PIB	C	Pender Island
PLBC		Pleasant Camp
PMB		Pemberton
PNT		Penticton
PPC	C	Pine Pass
QCC		Queen Charlotte
QN−	C	Quesnel
RUB		Prince Rupert
SHB		Sechelt
SI−	C	Smithers
SJB		Cape St James
SKB		Skidegate
SLEB		Sale Mountain
SNB		Saturna Island
SSQ	C	Sandspit
TABB	C	Tabernacle Mt.
TCBC		Telegraph Creek
THOB	C	Mount Thompson
TSB		Tasu
TXB		Texada
VDB		Vedder Mt.
VGZ		Gonzales
VIB		Van Inlet
VIC	C	Victoria
WCBC	C	Windy Craggy
WGB	C	Blue River
WHB		Whistler
WK−	C	Williams Lake
WKB		White Rock
WOSB		Woss
WPB		Watts Point

MANITOBA

CH−	C	Churchill
EB−	C	East Braintree
FCC		Fort Churchill
FFC		Flin Flon
PWM	C	Pinawa
ULM		Lac du Bonnet

NEW BRUNSWICK

EBN		Edmundston
GGN		Saint George
KLN		McKendrick Lake
LMN		Caledonia Mt.
UNB		Fredericton

NEWFOUNDLAND

CBK		Corner Brook
DRLN		Deer Lake
STJ	C	Saint John's
STJN		Saint John's

NORTHWEST TERRITORIES

ALE		Alert
BLC		Baker Lake
CMC	C	Coppermine
FBC	C	Frobisher Bay
FBN		Frobisher Bay
FRB		Frobisher Bay
FST		Fort Simpson
FST1	C	Fort Simpson
IGL		Igloolik
INK		Inuvik
MBC		Mould Bay
NP−	C	North Pole
NPT		Nicholson Point
RES		Resolute Bay
RSNT	C	Yellowknife
SWT	C	Sachs Harbour
SXT		Sachs Harbour
TKT	C	Tuktoyaktuk
TUK	C	Tuktoyaktuk
YKA		Yellowknife Ar.
YKB0		Yellowknife Ar.
YKB1		Yellowknife Ar.
YKB2		Yellowknife Ar.
YKB3		Yellowknife Ar.
YKB4		Yellowknife Ar.
YKB5		Yellowknife Ar.
YKB6		Yellowknife Ar.
YKB7		Yellowknife Ar.
YKB8		Yellowknife Ar.
YKB9		Yellowknife Ar.
YKC		Yellowknife
YKR0	C	Yellowknife Ar.
YKR1		Yellowknife Ar.
YKR2		Yellowknife Ar.
YKR3		Yellowknife Ar.
YKR4		Yellowknife Ar.
YKR5		Yellowknife Ar.
YKR6		Yellowknife Ar.
YKR7		Yellowknife Ar.
YKR9		Yellowknife Ar.
YKW1		Yellowknife Ar.
YKW2		Yellowknife Ar.
YKW3		Yellowknife Ar.
YKW4		Yellowknife Ar.

NOVA SCOTIA

GBN		Guysborough
HAL		Halifax

ONTARIO

ACTO		Acton
BUO	C	Burlington
CFO	C	Chats Falls
CKO		Chalk River
CRLO		Chalk River
DAN	C	Dane
DLA		Delaware (Ont)
DVO		Downsview
EEO		Eldee
EFO		Effingham
ELF		Elginfield
ES−	C	Espanola
FHO	C	Fitzroy Harbor
GTO		Geraldton
HML	C	Hamilton
HUO		Hudson
KAO	C	Kapuskasing
KLC	C	Kirkland Lake
LDN		London (Ont)
LHC	C	Thunder Bay
LND	C	London (Ont)
MW−	C	Mattawa
OTT		Ottawa
RK−	C	Red Lake
RSON	C	Red Lake
SADO		Sadowa
SCB	C	Scarborough
SL−	C	Sault Ste Marie
SOLO		Sioux Lookout
SOO		Sioux Lookout
STCO		St Catharines
SUD		Sudbury
SUO		Sudbury
SWO		Sudbury
SXO	C	Sioux Lookout
SZO		Sudbury
TBO		Thunder Bay
TNT	C	Toronto
TYNO		Tyneside
WBO		Williamsburg
WEO		Welcome
WLVO		Wesleyville
WNR	C	Windsor

QUEBEC

A11		St Roch−Aulnaies
A16		Rivière Ouelle
A21		St Andre
A54		Misere
A61		Sainte Mathilde
A64		Saint Siméon
BU−	C	Buckingham
CHQ	C	Charlesbourg
CNQ		Baie Comeau
DAQ		Lac Daran
DPQ		Saint Jean
GAC		Glen Almond
GNT		Gentilly
GRQ		Grand Remous
GSQ		Grosses Roches
GWC	C	Great Whale R.
GWR		Great Whale R.
HMC	C	Holland Mills
HTQ		Hauterive
ICQ		Pointe Anglais
JAQ	C	La Grande 3
JBQ		La Grande 3
JCQ		La Grande 3
KAQ	C	La Grande 4
KBQ	C	La Grande 4
KCQ	C	La Grande 4
KUQ		Kuujjuuaa
LAQ		La Grande
LBQ		La Grande
LCQ		La Grande
LDQ		La Grande
LGQ	C	La Grande
LMQ		La Malbaie
LPQ		La Pocatière
LQQ	C	La Grande 4
LRQ		La Grande 3
LTQ	C	La Grande
LXQ		La Grande 3
MIQ	C	Maniwaki
MNQ		Manicouagan
MNT		Montreal
MOQ		Mont Orford
PBQ		Poste Baleine
POC	C	La Pocatière
QBC		Québec
SBQ		Sherbrooke
SCH	C	Schefferville
SCHQ		Schefferville
SFA	C	Seven Falls
SHF	C	Shawinigan Falls
SIC		Sept Îles
SLQ		St Louis Ha Ha
SO−	C	Sorel
SV2		Schefferville
SV3		Schefferville
TMK	C	Temiskaming
TRQ		Mont Tremblant
VDQ		Val d'Or
VMC	C	Ville Marie

SASKATCHEWAN

BMS		Big Muddy Lake
SAS	C	Saskatoon

YUKON TERRITORY

BH−	C	Burwash Landing
DAWY		Dawson
DLY	C	Dezadeash Lake
DWY		Dawson City
HYT		Haines Junction
KBT		Komakuk Beach
KEY	C	Kluane
KRY	C	Koidern River
SIY	C	Silver City
SPY		Shingle Point
WH−	C	Whitehorse
WH2*		Whitehorse
WHC	C	Whitehorse
WHY		Whitehorse
WL−	C	Watson Lake

MÉXICO

AGUASCALIENTES

AGX		Aguascalientes

BAJA CALIFORNIA

CBX		Cerro Bola
CPBX		Cerro Prieto
ECBX		El Chinero
ECX		Ensenada
EGM		G Santa Clara
EMX		El Mayor
ENX		Ensenada
IGM		Isla Guadalupe
LAP		La Paz (Mex)
LAX		Los Angeles
LPIG		La Paz
PBX		Punta Banda
RDX		Rancho Dowling
RSJ		Rancho San Jose
SFP		San Felipe
SJX		San Joaquín
SMX		San Miguel
SPX		San Pedro Mártir
SRL	C	Santa Rosalía
VEX	C	Veracruz

CAMPECHE

TUIG		Tuzandepetl

CHIAPAS

ARL		Chiapas
BJU		Chiapas
COM		Comitán
COM2		Comitán 2
CR1		Chicoasén 1
CR2		Chicoasén 2
CR3		Chicoasén 3
CR4		Chicoasén 4
CR5		Chicoasén 5
CR6		Chicoasén 6
CR7		Chicoasén 7
CSN		Chicoasén
CZC		Chiapa de Corzo
EJC		Estación Juárez
IHC		Ixhuatan
IXC		Ixtacomitán
JDN		Jardín
LIBM		Chiapas

ZONE

Code		Station Name
MARM		Chiapas
MUX		Unión Juárez
OSCM		Ostuacán
OZC		Ocozocoautla
PAY		Chiapas
PENM		Chiapas
PMM		Presa Malpaso
PN1		Presa Penitas 1
PN2		Presa Penitas 2
PN3		Presa Penitas 3
PN4		Presa Penitas 4
PORM		Chiapas
SCX		San Cristóbal
SIPM		Chiapas
SMJM		Simojovel
TANM		Chiapas
TCX		Tecpatan
TLA		Tapachula
TPX		Tapachula
UJZ		Chiapas
VGP		Chiapas
ZAC		Zacaltic
ZZA		Chiapas
CHIHUAHUA		
CHH		Chihuahua
COLIMA		
COLM		Colima
MNZ		Manzanillo
SRR		Isla Socorro
GUANAJUATO		
LCG		León Cerro G.
GUERRERO		
ACX		Acapulco
CAIG		El Cayaco
CC1		Presa Caracol 1
CC2		Presa Caracol 2
CC3		Presa Caracol 3
CC4		Presa Caracol 4
CC5		Presa Caracol 5
CDAM		C. Altamirano
CGG		Guerrero
FLOM		Florida
III		Iguala
LLJ		Guerrero
LVGX		La Villita
NUXM		Nuxco
PDEM		Puerto del Eden
PGOM		Puerto del Gallo
PIM		Presa Infiernillo
PLIG		Platanillo
PNIG		Pinotepa
POGM		Potrero Grande
PPNM		Papanoa
PPOM		Papayo
SJRM		San Jerónimo
SMAM		San Marcos
TETM		Tetitlán
TPG		Tlapa
UON		La Unión
ZHGX		Zihuatanejo
ZIH		Zihuatanejo
ZIIG		Zihuatanejo
HIDALGO		
TLX		Tulancingo
JALISCO		
CGX		Ciudad Guzmán
CJM		Chamela
GUM		Guadalajara
GUM2		Guadalajara 2
LNM		León
SFJM		Santa Fe
MÉXICO		
IIJ		Jocotitlán
IIZ		Mezontepec
MÉXICO D.F.		
AYVM		Ayaqueme
CGVM		Cerro Gordo
CHVM		Chichinautzin
CRX		Cerrillo
CVM		Colonia del Valle
IIA		Altzomoni
IIC		Rita Coyotepec
IIM		Instituto de Ing.
IIP		El Pino
IXT	C	Ixtapalapa
JCM		Jocotitlán
MDVM		Presa Madin
MEX		Mexico City
OXM	C	Oxtotitlán
PBVM		Piñon
PTVM		Pico Tres Padres
RFVM		Rio Frio
SMMM		San Miguel
SZVM		Salazar
TAC		Tacubaya
UNM		Mexico Univ.
MICHOACAN		
BVTM		Michoacan
CBZM		Michoacan
CCMX		Caleta Campos
LAZM		Lázaro Cárdenas
MOIG		Morelia
MRX		Morelia
OSM		Ostula
ZEM		Michoacan
MORELOS		
TPM		Tepoztlán
YAIG		Yautepec
NUEVO LEÓN		
TMM		Tec. Monterrey
TMM2		Tec. Monterrey 2
VNM		Villa de García
OAXACA		
AZO		Oaxaca
CEO		Cerro Encantado
GUO		Oaxaca
HUIG		Huatulco
LAGM		Oaxaca
OAX		Oaxaca
OXX		Oaxaca
PBJ		Presa B. Juárez
PEO		Puerto Escondido
PEX		Puerto Escondido
PIO		Pinotepa
PLO		Pochutla
PSM		Palmasola
PXO		Oaxaca
TEO		Teotitlán
TXO		Tlaxiaco
VDF		Valdeflores
VHM	C	Vista Hermosa
VHO		Vista Hermosa
VMO		Villa Marinero
YOO		Oaxaca
PUEBLA		
ACP		Acatlán
CHPM		Chiautla de Tapia
CIPM		Puebla
CUPM		Cuyoaco
CXP		Puebla
IIB		San Bernardino
IISM		Ciudad Serdán
IIT		Tonantzintla
MOPM		Molcaxac
PPM		Popocatépetl
PUE		Puebla
SRP		Santa Rosa
TCPM		Tecamachalco
VGM	C	Villa Grajales
SINALOA		
CUL	C	Culiacán
MAIG		Mazatláan
MAZ		Mazatlán
MZX		Mazatlán
TPB		Topolobampo
SONORA		
CBS		Caborca
EGX		Santa Clara
GYM		Guaymas
LMX		La Mesa Andrade
RHM		Río Hardy
TABASCO		
LJS		Tabasco
TAMAULIPAS		
TMX		Tampico
TLAXCALA		
IIO		Órganos
VERACRUZ		
ABR		El Abra
BUE		Buenavista
CAMM		Veracruz
EVV		El Vigía
FARM		Veracruz
JIL		Jilotepec
LIMM		Veracruz
LJX		Las Lajas
LVIG		Laguna Verde
LVMM		Veracruz
LVVM		Laguna Verde
MANM		Veracruz
PZX	C	Poza Rica
VCM		Veracruz
YUCATÁN		
MER		Mérida
TEIG		Tepich
ZACATECAS		
ZAIG		Zacatecas

ST PIERRE AND MIQUELON

SPR	C	Saint Pierre

UNITED STATES OF AMERICA

ALABAMA		
AX−	C	Alexander City
AX2	C	Alexander City
BKA		Kennedy
BO−	C	Brewton
DLC		Deerlick Creek
EMA		Elm
EU−	C	Eutaw
EU2		Eutaw
FLT		Fleetwood
HGA		Collinsville
HLT		Holt
HVA		Hanceville
LAL		Leola
LCA		Log Cabin
LCAL	C	Lambert Chapel
LDG		Lodge
MLAL		Sawyerville
MSAL		Mont Sano
OCA		Owens Crossr'ds
PEA		Pea Ridge
PLAL		Pickwick Lake
PTR		Peterson
PWLA		Pickwick Lake
RHA		Reichold
SHA		Spring Hill
TDA		Talladega
TSAL		Tannehill
ALASKA AND ALEUTIANS		
ABF		Auke Bay
ACA	C	Amchitka A
ACB	C	Amchitka B
ACC	C	Amchitka C
ACD	C	Amchitka D
ACE	C	Amchitka E
ACF	C	Amchitka F
ACHA		Angle Creek
AD−	C	Adak Island
AD1	C	Great Sitkin
AD2	C	Umak
AD3	C	Kagalaska
AD4	C	Hidden Bay
AD5	C	Yakak
AD6	C	South Kanaga
AD7	C	North Kanaga
AD8	C	Adagdak
ADA	C	Adak
ADK		Adak
AEB	C	Amchitka
AGAM		Agassiz Lake
AGI		Augustine Island
AGU		Augustine Sum.
AK0	C	North Tanaga
AK1		West Kanaga
AK2	C	South Tanaga
AK3	C	North Tanaga
AK4	C	Bobrof
AK5	C	North Tanaga
AKA		Akutan
AKA2		Akutan 2
AKA4		Akutan 4
AKA5		Akutan 5
AL5		Alaska LP Array
ALC		Alcan
AMA	C	Amatignak I.
AME	C	Amchitka East
AMU	C	Anchorage
ANA	C	Amchitka
ANB	C	Amchitka
ANCK		Angle Creek
AND	C	Amchitka
ANH	C	Anchorage
ANKA		Aniakchak
ANM		Nome
ANV		Anvil Mountain
ASB	C	Amchitka
ASC	C	Amchitka
ASD	C	Amchitka
AT1	C	West Kanaga
AT2	C	South Tanaga
AT3	C	North Tanaga
AU2		Augustine Island
AUD		Augustine Domo
AUE		Augustine Island
AUF		Augustine Flow
AUH		Augustine H
AUI		Augustine Island
AUL		Augustine Lava
AUM		Augustine Mound
AUP		Augustine Pin.
AUW		Augustine West
AWA	C	Amchitka
BALA	C	Baldy Mountain
BALM		Baldy
BCA3		Beaver Creek Ar.
BCPM		Bancas Point
BDP	C	Broad Pass
BEH		Bench
BET	C	Bethel
BGL		Barrier Glacier
BGM		Big Mountain
BGRM		Barrier Glacier 2
BI1	C	Barter Island
BI2	C	Barter Island
BI3	C	Barter Island
BI4	C	Barter Island
BIG	C	Big Mountain
BIO	C	Biorka
BKG		Blockade Glacier
BKJ		Big Koniuji
BLGA		Beluga
BLHA		Black Hill
BLR	C	Black Rapids
BM3		Burnt Mt. Array
BMRM		Bremner River
BMT		Blue Mountain
BRH	C	Birch Hill
BRLK		Bradley Lake
BRNE	C	Bradley Lake NE
BRNW	C	Bradley Lake NW
BRSE		Bradley Lake SE
BRSW	C	Bradley Lake SW
BRV		Barrow
BRW		Barrow
BWN		Browne
CAHL		Cahill
CBA	C	Cold Bay
CBY		Cold Bay
CCB		Clear Creek Butte
CDA	C	Cape Douglas
CDD		Cape Douglas
CDI	C	Cordova
CDL		Candle
CDY		Cape Darby
CFI		College Fiord
CGLM		Capps Glacier
CHB		Church
CHW		Chowiet Island
CHX		Chaix Hills
CKK		Chekok
CKL		Chakachamna L.
CKN		Chakachatna N
CKT		Bend
CMA	C	Clear Mews
CMO	C	College
CNA	C	Cantwell
CNBA		Chernabura I.
CNPM		China Poot
CNTC		Contact Creek
COL	C	College Outpost
COLA		College
CP2		Crater Peak Two
CPAM		Crater Peak Alt.
CPKM		Crater Peak Rim
CPR	C	Cape Romanzof
CRP		Crater Peak
CRQM		Cirque
CSA	C	Cape Sarichef
CSG		Childs Glacier
CTGM		Chitina Glacier
CUT		Chulitna
CVA		Cordova
CYK		Cape Yakataga
CYT	C	Cape Yakataga
DDM		Donnelly Dome
DFR		Drift River
DHA	C	Dutch Harbor
DHY		Denali Highway
DIV		Divide
DJE		Delta Junction E
DLG	C	Dolgoi Island
DMA		Devil Mountain
DMB		Deadman Bay
DMW		Delta Microwave
DOL		Dolgoi Island
DOT		Dot Lake
DRIA		Deer Island
DRRA	C	Deer Island
DSK	C	Disk Island
DT1		Dutton
DTNA		Dutton
DUT		Dutch Harbor
EAFB		Elmendorf Base
EAM		Ear Mt.
ELV	C	Elvey
ENG	C	Engineer Hill
ERN	C	Ernestine
FBA	C	Fairbanks
FBAL		Fairbanks
FBAS		Fairbanks
FBK	C	Fairbanks
FIB		Fire Island
FID		Port Fidalgo
FIS		Fire Island
FLP		Featherly Pass
FSP	C	False Pass
FX1		Attu Island−Fox
FY1		Fort Yukon
FY2		Fort Yukon
FY3	C	Fort Yukon
FY4	C	Fort Yukon
FY5		Fort Yukon
FYU		Fort Yukon
GBY		Granite Bay
GHO		Glory Hole Creek
GIA	C	Geophysical Inst.
GIL	C	Gilmore Creek
GKC		Gold King Creek
GLB		Gilahina Butte
GLC	C	Glacier Island
GLI		Glacier Island
GLN		Gilmore Dome
GMA	C	Granite Mountain
GOU		Gould Hall
GUL	C	Gulkana
GYO		Guyot Hills
HAG		Hague Volcano
HDA		Harding Lake
HIN		Hinchinbrook I.
HMT		Hamilton
HOM		Homer
HPP	C	Hepp
HQN		Harlequin Lake
HUR		Hurricane
IL1		Eielson Array
ILAR		Eielson Array
ILB		Eielson Array BB
ILIM		Iliamna
ILM		Iliamna
ILW		Iliamna West
IM3		Indian Mt. Ar.
IMA		Indian Mountain
INE		Iliamna NE
INW	C	Iliamna NW
IVE		Iliamna
IVF	C	Ivanof Bay
IVS		Iliamna South
JIS		Juneau Island
JPK		Jack Peak
KABR		Katmai Ridge
KAHC		Katmai Creek
KAHG		Katmai Glacier
KAIC		Katmai Creek
KAIM		Kayak Island
KAPH		Katmai Pasha
KARR		Katmai River
KAWH		Katmai
KCN		Ketchikan
KD1		Kodiak
KD2		Kodiak

ZONE

Code		Station Name
KD3		Kodiak
KDAK		Kodiak Island
KDC		Kodiak Island
KEN	C	Kenai
KJL		Kejulik
KLU		Klutina
KMP		Kimball Pass
KNIM		Knight Island
KNK		Knik Glacier
KPE		Price
KTA		Kotzebue
KTH		Kantishna Hills
KTM	C	Katmai
KYK	C	Kayak Island
LOU		Louis Bay
LSI	C	Little Sitkin I.
LTI		Latouche
LVY		Levy
MCB	C	Moose Cr. Bluff
MCIR		Makushin
MCK		McKinley
MCL	C	McNeil River
MCNL		McNeil River
MCR	C	Mercer
MDM		Murphy Dome
MFA	C	Mitchell Field
MGLS		Mageik LS
MGOD		Makushin
MID		Middleton Island
MIK	C	Minitrack
MLA		Malaspina Glacier
MLY		Manley
MMC		Middle Cape
MNAT		Makushin
MPA		Moose Pass
MRS		Maars
MSE		Moose Creek
MSOM		Makushin
MSW		Makushin
MTBL		Makushin
MTG	C	Montague Island
MTU		Montague Island
NAGA		Nagai Island
NCA		Nelchina
NCG		North Capps
NCT		North Crescent
NEA		Nenana
NGI	C	Nagai Island
NGL		North Gasline
NIK		Nikolski
NIN	C	Ninilchik One
NKA		Nikishka
NKI	C	Nikolski
NNL		Ninilchik
NOM	C	Nome
NPO		Eielson Array
NRA	C	North River
NTK	C	Nunatak
OPT		Oil Point
PAX		Paxson
PBG		Petersburg
PCA		Pinnacle
PDB		Pedro Bay
PHA	C	Port Heiden
PJD	C	Pedro Dome
PLRM		Palmer USGS
PMA	C	Port Moller
PME	C	Palmer East
PMR		Palmer
PMS		Palmer South
PN6		Pavlof North−6
PN7A		Pavlof North−7A
PNL		Peninsula
PNN		Pinnacle Mt.
PRP		Porcupine Dome
PRYA		Perryville
PS1A		Pavlof South−1A
PS4	C	Pavlof South−4
PS4A		Pavlof South−4A
PSA		Petersburg
PTB	C	Point Barrow
PTE		Portage
PUB		Puale Bay
PVV		Pavlof Volcano
PWA		Palmer West
PWL		Port Wells
RAGM		Ragged Mountain
RAI		Raspberry Island
RAT	C	Rat Island
RDN		Redoubt North
RDS		Siegrist
RDT		Redoubt
RDW		Redoubt West
RED		Redoubt Volcano
REF		Redoubt E Flank
REM		Remote
RGD		Ragged Mountain
RIU		Riou
RND		Reindeer
RON	C	Remote
RS1		Redoubt South 1
RS2		Redoubt South 2
RSO		Redoubt South
SASA		Sand Point
SBY	C	Sand Bay
SCF	C	Sheep Cr.
SCM		Sheep Creek Mt.
SCT	C	Scotty Lake
SDEM	C	Sadie Cove
SDG		Sourdough
SDN		Sand Point
SEW		Seward
SGA	C	Stephens Glacier
SGAM		Sherman Glacier
SGB		San Diego Bay
SHU		Shuyak Island
SHY		Shemya
SII		Sitkinak Island
SIT		Sitka
SKD		Sitkalidak I.
SKL	C	Cooper Landing
SKT		Skwentna
SLKM		Skilak Lake
SLV		Seldovia
SML		Sawmill
SMY		Shemya
SNH		Sunshine Point
SNKA	C	Sanak Island
SPBA		Sand Point BB
SPI	C	St Paul Islands
SPL		Spiridon Lake
SPP	C	Saint Paul
SPU		Mount Spurr
SQF		Squaw Harbor
SSH	C	Sunshine
SSI	C	Semisopochnoi I.
SSLW		Shishaldin West
SST	C	Susitna
STY	C	Stony River
SUA		Susitna One
SUK		Suckling Hill
SVW		Sparrevohn
SYI		Shuyak Island
TGL		Tana Glacier
THY		Trims Highway
TKK		Topkok
TLK	C	Talkeetna Mts
TMW		Tok Microwave
TNA		Tin City
TNN		Tanana
TOA		Tolsona
TRF		Thorofare Mt.
TSIM		Tsina
TTA		Tatalina
TTL	C	Tatalina
TTV		Teren Tiev Lake
TZL		Tazlina
UGI		Ugak Island
UKL	C	Ugashik Lake
UNA	C	Unalaska
UNL		Unalakleet
USL		Ugashik Lake
VLD	C	Valdez
VLZ		Valdez
VOGL		Vogel Lake
VZS		Valdez South
VZW	C	Valdez West
WAX		Waxell Ridge
WLM	C	Willow Mountain
WRG		White River Gl.
WRH		Wood River Hill
XLV		Seldovia
YAH		Yahtse
YCB		Yellow Cr. Bluff
YKGM		Yakataga
YKT	C	Yakutat
YKU		Yakutat

ARIZONA

ASU		Arizona State
BDA	C	Boulder Dam
BPK	C	Black Peak
BRDG		Blue Ridge
FLAG		Flagstaff
FLG	C	Flagstaff
FS−	C	Flagstaff
FTM		Fortuna Mine
GCA	C	Glen Canyon
GCAZ		Grand Canyon
GE−	C	Globe
GVA		Apache Junction
HR−	C	Heber
KG−	C	Kingman
KH−	C	Kohls Ranch
LG−	C	Long Valley
LGA		Laguna Mts
MMA	C	Mummy Mountain
NL−	C	Nazlini
NL2		Nazlini
PFA	C	Pierce Ferry
PY−	C	Payson
QC−	C	Queen Creek
SCN		Sunset Crater
SF−	C	Snowflake
SG−	C	Seligman
SLU		San Luis
SN−	C	Sunflower
SV−	C	Springerville
TDM		Tucson Desert
TFO	C	Tonto Forest Ar.
THO	C	Tonto Hills Obs.
TSL	C	Tsaile
TUC		Tucson
TUO		Tucson Obs.
TUT	C	Tucson
UOA	C	Univ. of Arizona
WM−	C	Williams
WMZ		Williams
WO−	C	Winslow
WUAZ		Wupatki
YMD		Yuma Desert

ARKANSAS

AFAR		Ash Flat
BK−	C	Bald Knob
CRID		Crittenden D.
CRIS		Crittenden S.
CW−	C	Conway
DLAR		Dell
FAV		Fayetteville
FAY	C	Fayetteville
HCI		Hatchie Coon I.
HOGG		Hoggard's Bluff
IK−	C	Ink
JHP	C	Judd Hill Plant.
LGAR		La Grange
LRA	C	Little Rock
LRDO		Lorado
MIAR		Mount Ida
MK−	C	Marked Tree
MP−	C	Mountain Pine
MSAR		Manila South
MY−	C	McCrory
MZ−	C	Mount Ida
OLY		Olyphant
PGA	C	Paragould
POW	C	Powhatan
PV−	C	Perryville
QUAR		Qualls
STAR		Star City
TWAR		Twist
WGAR	C	Walnut Grove
WLA		Wittsburg Lake
WR−	C	Walnut Ridge
WY−	C	Wynne

CALIFORNIA

AARM		Airport Road
AASM		Arroyo Seco
ABJM		Bob Jaurequi
ABL		Mount Abel
ABRM		Brophy Road
ADC	C	Auburn Dam
ADL		Adelanto
ADR		Anderson Res.
ADWM		Drytown Water
AFDM		Forest Hills Div.
AFHM		Forest Hill
AFRM		Fiddyment Ranch
AGC		Angel Island
AGIM		Gold Rush Inn
AHRM		Harold F Ross
AIC		Anacapa I.
ALAM		Latrobe
ALNM		Lincoln
AMC		Almaden
AMR		Amargosa
AMS		Amos
AN2*	C	Forsythe
AN9*	C	Anzar Res 9
ANZ		Anzar Road
AODM		Outingdale
AOHM		Oregon House
APRM		Poppy Hill Road
ARC		Arcata
ARJM		Robert Jensen
ARN		Arnold Ranch
ARRM		Rickey Ranch
ARVC		Arvin
ARWM		Richard Wilkes
ASMM		Slate Mt.
AVC	C	Adobe Valley
AVRM		Valley Road
BAPM		Anderson Peak
BAR		Barrett
BATC		Bat Cave Butte
BAVM		Antelope Valley
BBC	C	Big Bear
BBGM		Big Mountain
BBR		Beebe Ranch
BC2		Big Chuckwalla 2
BCC		Colson Canyon
BCD		Casitas Dam
BCGM		Cienega Rd
BCH		Branch Mountain
BCHM		Black Canyon N
BCKR		Birch Creek
BCL	C	Casitas Lake
BCWM		Chews Ridge
BEKR		Beckwourth
BENR		Benton
BF−	C	Bakersfield
BGC		Bolinger Road
BGH		Bear Gulch
BHPR		Bishop
BHRM		Hodges Ranch
BHSM		Hastings St. Pk
BJOM		Mt Johnson
BKC		Brookwood Res.
BKS		Byerly
BLG		Laguna Peak
BLKC		Black Mt.
BLP		Lompoc
BLRM		Lewis Ranch
BLU		Blue Ridge
BMCM		McPhails Peak
BMHM		Mount Harlan
BMM	C	Big Maria Mts
BMSM		Mercy Springs
BMTC		Bear Mountain
BON		Bonds Corner
BP−	C	Bishop
BPCM		Pine Canyon
BPFM		Pfieffer Point
BPIM		Pinnacles
BPOM		Post Ranch
BPPM		Pinyon Peak
BPRM		Ponciano Ridge
BRGC		Borrego Mt.
BRIB		Briones
BRK		Berkeley
BRMM		Rolling Mark
BSBM		Swanson's Bluff
BSC		Santa Cruz Island
BSCM		Stone Canyon
BSLM		Silva Ranch
BSM		San Miguel Island
BSMM		Soledad Mission
BSN		San Nicolas I.
BSRM		Salinas Radio
BTL		Butler Peak
BTW		Bitterwater Creek
BVC	C	Bear Valley Obs.
BVL		Bear Valley
BVYM		Vineyard
CACM		Antioch
CAD	C	Cady Mountains
CALB		Calabasas
CALC		California City
CASR		Casa Diablo Mt.
CB1		Chesbro Res. 1
CB2	C	Chesbro Res. 2
CB3		Chesbro Res. 3
CB4		Chesbro Res. 4
CB5		Chesbro Res. 5
CB6		Chesbro Res. 6
CB7	C	Chesbro Res. 7
CB8		Chesbro Res. 8
CBC		Chamberlain
CBHM		Coso Basin N
CBKC		Canebreak
CBLG		Bald Mt. Lookout
CBO		Chesbro Res.
CBSM		Byron Springs
CBZL		Buffer Zone
CCO		Chico
CCYM		Coyote Hills
CDAL		Dalton Road
CDC		Canada Road
CDSM		Don Santos
CDVM		Del Valle
CED	C	Cedar Springs
CFL		Chilao Flats
CFT		Crafton Hills
CFWM		Cactus Flat W
CGPM		Gavin Park
CGSM		China Gardens
CH2		Chocolate Mt.
CHP	C	Chuchupate
CIS		Catalina Island
CIW		Santa Catalina
CJV		Casa Juvan
CKC		Cook Canyon
CLC		China Lake
CLIC		Calipatria
CLKR		Crowley Lake
CLS	C	Calistoga
CMB		Columbia College
CMCM		Mills College
CMH		Chemehuevi Mts
CMLM		Mount Lewis
CMMM		Mount Macho
CMNM		Mines Road
CMPM		Mikes Peak
CMSB		Univ. Stadium
CNC	C	Concord
CO2		Coxcomb Mts 2
COA		Coachella
COE		Coe Ranch
COK		Cook Ranch
COQ		Corona Quarry
COSM		Mount Oso
COT		Chocolate Mts
COY		Coyote Mt.
CP−	C	Campo
CPE		Camp Elliot
CPIM		Pinole Ridge
CPLM		Palomares Rd
CPM		Copper Mountain
CPMM		Point Molate
CPNM		Pleasanton
CPT		Camp Pendleton
CPTM		Cactus Peak W
CRAM		San Ramon
CRC	C	Castle Rock
CRD		Cavedale Road
CRGC		Crocker Grade
CRH		Carson Hill
CRPM		Russellman Park
CRR		Carrizo Plain
CSAM		Sandia
CSH		Cal. St., Hayward
CSL		Crestline
CSLM		San Leandro Hills
CSP		Cedar Springs
CSPM		San Pablo Ridge
CSR		Chase Ranch
CSSM		Coso Springs S
CSTL		Corral Hollow
CSVM		Stone Valley
CTFL		Taylor Farm
CTLM		Tesla Road
CTM		Castle Mt.
CTW		Cottonwood Mts
CVAL		V.A. Hospital

ZONE

Code		Station Name
CVC		Cholame Valley
CVLM		Vallecito
CVR		Calaveras Res.
CWC		Cottonwood Cr.
CWCR		Coldwater Can.
CYBM		Yerba Buena Is.
CYC		Crow Canyon Rd
CYH	C	Coyote Hills
DAC		Darwin (Calif)
DB2		Double Butte
DBM		Double Mt.
DBOG		Casa Diablo
DGR		Domenigoni Res.
DHB		Baldwin Hills
DHS	C	Desert Springs
DIL		Dillon Ranch
DIR	C	Diamond Ranch
DLT	C	Dalton (Cal.)
DOO		Doolan Road
DTP		Desert Park
DUC		Durate Ranch
DV−	C	Death Valley
DVL	C	Devil Canyon
EAG		Eagle Mountain
ECA	C	El Cajon
ECC	C	El Centro
ECF		Echo Falls
EGR	C	Empire Grade Rd
EKH		Elkhorn Ranch
EKR		Elk River
ELMC		El Mirage
ELRC		Elmore Ranch
ELS		Elsinore Mt.
EMSC		East Mesa
EMT		Emmet
ERPC		Ernies Place
ESGS		El Segundo
EUC		Eureka Canyon
EWC		East Canyon
EXSG		Experimental Stn
FARB		Farallon Is.
FEA	C	Feather Falls
FER		Ferndale
FHC		Fickle Hill
FIL		Fillmore
FLAS		Fullerton Airport
FLSC		Flash Two Peak
FMA		Fort MacArthur
FMT		Funeral Mts
FOX		Fox Creek
FOXC		Fox Airport
FRE	C	Fresno
FRGC		Fargo Canyon
FRI		Friant
FRK		Frink
FRP		Fremont Peak
FTC		Fort Tejon
FTR		Fort Ross
GACM		Adobe Creek
GARM		Arbuckle
GAS		Alder Springs
GAV		Glen Avon
GAXM		Alexander Valley
GBDM		Big Darby
GBGM		Boggs Mountain
GBMM		Baldy Mt.
GBOM		Black Oak
GCBM		Chamberlain Rge
GCC		Granite Creek
GCMM		Cobb Mountain
GCRM		Castle Rock Spr.
GCVM		Cloverdale
GCWM		Cow Mountain
GDCM		Dry Creek
GDXM		Geysers
GFP		Griffith Park
GFTM		Plant 15
GGLM		Glenview
GGPM		Geyser Peak
GGUM		Gualala
GHC		Gold Hill
GHCM		House Creek
GHGM		Hogback Ridge
GHLM		Highland Springs
GHMM		Hull Mountain
GHOM		Hamilton
GHS		Gilroy Springs
GHVM		High Valley
GLA		Glamis
GMCM		McLaughlin
GMKM		Mount Konoctai
GMOM		Moffitt Ranch
GNAM		Navarro Ridge
GOC		Griffith Obs.
GPMM		Pine Mt.
GPO		China Lake
GRNM		Rancho Navarro
GROM		Round Mt.
GRP		Granite Pass
GRTM		Round Top Mt.
GSC		Goldstone
GSGM		Seigler Mt.
GSMM		Socrates Mine
GSNM		Snow Mountain
GTSM		Trough Springs
GVN		Grapevine
GVR		Green Valley Rd
GVRC		Garvey Reservoir
GWKM		Walker Ridge
GWRM		Wonder Ranch
GWV	C	Greenwater V.
GWY		Greenwater V.
HAI	C	Haiwee Res.
HAV	C	Havilah
HAY		Hayfield
HBM		Hobart Mills
HBT		Hobart Mills
HBTM		SanJuan Bautista
HCC	C	Holy Cross
HCOM		Corn Cob Canyon
HCPM	C	Crevison Peak
HCZM		Cordoza Dairy
HDG		Hidalgo Mountain
HERM		Elkhorn Road
HFHM		Flint Hills
HGWM		Gilroy West
HJGM		San Juan Grade
HJSM		John Smith Road
HKRM		Kincaid Ranch
HMR		Hamilton Ranch
HOD		Hodge
HOPS		Hopland
HOT		Hot Springs Mt.
HRC	C	Harris Ranch
HSFM		St Francis Retreat
HSLM		San Luis Dam
HSPM		Sheep
HTCR		Hilton Creek
HVC		Hernandez Valley
HWSM		Haiwe Spring S
HYS		Haystack Butte
IKP		Inkopah
IND		Independence
INDC		Indio Hills
ING		Ingram Ranch
INS		Inspiration
IRC		Iron Canyon
IRN		Iron Mountains
IRS		Iris
ISA		Isabella
JAS	C	Jamestown
JAS1	C	Jamestown
JBLM		Ben Lomond
JBMM		Black Mountain
JBZM		Buzzard Lagoon
JCHM		Cahill Ridge
JCPM		Coyote Point
JEGM		El Granada
JELM		Ellicott
JFS		Joseph F. Staten
JHC		Johnson Can.
JHLM		Holstrom Ranch
JHPM		Huddart Park
JJRM		Joaquin Road
JMPM		Menlo Park
JNAM		Almaden
JNH		Juniper Hills
JOL		Jolon Road
JPRM		Presidio of S.F.
JRGM		Rodeo Gulch Rd
JRRM		Redwood Retreat
JRSC		Jasper Ridge
JSBM		San Bruno Mt.
JSMM		Sawmill Road
JSTM		Santa Teresa
JTGM		Trout Gulch Rd
JUCM		Univ. Cal.
JULC		Julian
JUMM		Mount Umunhum
KBBM		Bear Butte
KBF		Kyburz Flat
KBNM		Bluenose Ridge
KBRM		Barry Ridge
KBSM		Bell Springs
KBY	C	Kobayashi Ranch
KCC		Kaiser Creek
KCPM		Cahto Peak
KCRM		Chalk Rock
KCSM		Cold Springs
KCTM		Capetown
KEE		Keen Camp
KFC		Kentfield
KFPM		Farley Peak
KGMM		Grouse Mountain
KHBM		Hayfork Bally
KHMM		Horse Mt.
KIPM		Iron Peak
KJJM		Jack Ridge
KKPM		Kettenpom Peak
KM−	C	Kramer
KMPM		Mount Pierce
KNO	C	Knox Ranch
KOMM		Orleans Mt.
KPK		Kanaka Peak
KPPM		Pickett Peak
KRC	C	King Ranch
KRKM		Rackout Springs
KRMM		Red Mt.
KRPM		Rodgers
KSMM		Slide Mt.
KSPM		Sherwood Peak
KTRM		Thompson Ridge
LAC		Landers
LAQC		La Quinta
LAS	C	Mount Lassen
LASM		Arnica Sink
LBFM		Black Fox Mt.
LBKM		Bonanza King
LBPM		Beegum Peak
LCFM		Crescent Cliffs
LCH		Last Change Ra.
LCL		Los Cerritos
LCM		L.A. Museum
LCMM		Colby Mountain
LDBM		Digger Butte
LED		Lead Mountain
LEOC		Leona Valley
LGBM		Gray Butte
LGC	C	Lakewood Golf C.
LGMM		Garner Mountain
LGPM		Granite Peak
LHCM		Hat Creek
LHEM		Hard Peak
LHKM		Mount Harkness
LHU		Lake Hughes
LJB		Lovejoy Buttes
LJC	C	La Jolla
LKC		Lake Chabot
LLA		Llanada
LMCR		Lookout Mt.
LMEM		Manzanita Entr.
LMHM		Little Mt Hoffman
LMO	C	Lookout Mt. Obs.
LMPM		Military Pass
LMS		Lookout Mt. Obs.
LMZM		Manzanita Lake
LN9		Lone Pine
LNAS		Los Alamitos
LOC		Lincoln School
LOK		Lockwood Valley
LOMS		Lomita
LPC		La Cumbre Peak
LPDM		Pondosa
LRC		Lone Oak Road
LRCG		Laurel Creek
LRDM		Redding Peak
LRRC		Littlerook Res.
LRV		Little Rabbit V.
LSLM		South Lassen
LT15		Bear Creek Road
LT3		Portola Park
LT5	C	La Honda
LT9	C	San Andreas L.
LTC		Little Chuckwalla
LTCM		Tuscan Springs
LTM		Little Maria Mts
LTR		Lone Tree Road
LTW		Los Trancos
LVM	C	Livermore
LXR		Lexington Res.
MAC		Mark W Springs
MARC		Maricopa
MBFM		Blanchard
MCA		Marble Canyon
MCSM		Casa Diablo Spr.
MCUM		Copperopolis
MDA		Mount Davis
MDC	C	Mount Diablo
MECC		Mecca Hills
MEMM		E. Mammoth Hills
MFS		McCloud Flat S
MGA		Milagra Ridge
MGL		Magalia
MHC		Mount Hamilton
MHR		Mt Hamilton Road
MILG		Mill City
MIN		Mineral
MIRC		Martinez I.R.
MIX		Mix Canyon Road
ML1		Mono Lake
ML2		Mono Lake
ML3		Mono Lake
ML4		Mono Lake
MLAC		Mammoth Lakes
MLC		Manzanita Lake
MLL		Mill Creek
MMPM		Mammoth Pass
MMWM		Mi Wuk Village
MNHM		New Hogan Res.
MNR		Mines Road
MOB	C	Menlo Park
MONR		Mono Valley
MOP		Monarch Peak
MOYM		O'Byrne Ferry
MPK		Martis Peak
MRCM		Red Rock Canyon
MRD		Mojave R. Dam
MRFM		Railroad Flat S
MRVC		Morongo Valley
MSJ		Mission San Jose
MSTM		Stent
MTB	C	Montebello Ridge
MTC		Morgan Territory
MTR		Monterey
MTUM		Tungsten Hills
MV−	C	Marysville
MWC		Mount Wilson
NBPM		Berryessa Peak
NCFM		Canfield Rd
ND−	C	Needles
NDHM		Dunnigan Hills
NEE		Needles
NFIM		Farallon Islands
NHBM		Healdsburg
NLHM		Lake Herman
NMC		Nine Mile Canyon
NMHM		Mt St Helena
NMTM		Middletown
NOCG		North−of−Casa
NOLM		Olema
NOP		Nopah Range
NPRM		Point Reyes
NSHM		St Helena Road
NTBM		Tomales Bay
NTMM		Taylor Mountain
NTPM		Mount Tamalpais
NTYM		Taylor
NW2		New River
NWRM		Wright Ranch
OBB		Obsidian Butte
OBHM		Bloomer Hill
OBS	C	Lamont Out−Stn
OCHM		Cohasset Ridge
OCR		O'Connell Ranch
OGOM		Van Goodin
OHCM		Honcut
OLC	C	Olema
OLYC		Mount Olympus
ORAM		Rattlesnake Point
ORC		Owens River
ORV		Oroville
OSI		Osito Adit
OSTM		Stimpson Lane
OSUM		Sutter Buttes
OTBM		Table Mountain
OWAM		Wyandotte
OWYM		Wyandotte
PAC	C	Palo Alto
PADM		Adeladia
PAGM		Antelope Grade
PAM		Palermo
PANM		San Antonio Res.
PANV		Panamint Range
PAPM		Alder Peak
PARM		Anticline Ridge
PAS		Pasadena
PBRM		Bassetti Ranch
PBYM		Bryson
PCC		Pilarcitos Creek
PCF		Pomona
PCGM		Cerro Alto
PCL		Pacheco Lake
PCRM		Curry Mountain
PDRM		Domengine
PEC		Perris
PEM		Pine Mt.
PEV		Pleasant Valley
PFO		Pinyon Flat Obs.
PGE	C	Panamint Range
PHAM		Harlan Ranch
PHBM		Huron Bridge
PHCM		Hearst Castle
PHGM		Hog Canyon
PIC		Picacho Peak
PIU	C	Piute Mountains
PIVM		Indian Valley
PJLM		Jolan Road
PKC		Peckham Road
PKD		Parkfield
PKD1		Parkfield
PKEM		Kettleman Hills
PKF		Parkfield Array
PKH		Park Hill
PKM		Peak Mountain
PLC	C	Palomares Rd
PLEC		Pleito Hills
PLM		Palomar
PLT		Pilot Knob
PMCM		McMillan Canyon
PMGM		Santa Margarita
PMRM		Maxey Ranch
PNC	C	Pine Canyon
PNMC		Pinto Mountains
POB		Polly Butte
POM	C	Pomona
PPK		Piper Mountain
PPRM		Paso Robles
PRC	C	Point Reyes
PRCM		Roach Canyon
PRI		Priest
PRR	C	Perris
PRS		Paraiso
PSAM		San Ardo
PSD		Pescadero
PSEM		See Canyon
PSHM		Shandon
PSMM		Smith Mountain
PSP		Palm Springs
PSRM		Scobie Ranch
PSTM		Stockdale Mt.
PT2		Point Dume
PTRM		Twissleman
PTV		Peach Tree Valley
PVPS		Palos Verdes
PVR	C	Palos Verdes
PVRC		Palos Verdes
PWMM		Westland
PWTG		Paul Wright Tr.
PYR		Pyramid
QAL		Quail Lake
QSM		Queen of Sheba
QSR		Quien Sabe
RAY		Raywood Flat
RCH		Reche Mountain
RCP2		Recreation Park
RCWM		Renegade Can. W
RDM		Round Mountain
RFSB		Richmond Field
RMR		Rimrock
RMT		Round Mt.
ROD		Rodman Mt.
RPV		R. Palos Verdes

ZONE

Code		Station Name
RSRB		San Rafael Bridge
RUN		Ruthven
RVCM		Rose V. Central
RVM		Rio Vista Mine
RVR		Riverside
RVS		Riverside Mts
RYS		Reyes Peak
SAC		San Andreas
SADC		Saddle Peak
SAO		SanAndreas Obs.
SATS		Thornton Park
SBB		SaddleBack Butte
SBC		Santa Barbara
SBI		Santa Barbara Is
SBKC		Saddleback Mt.
SBT		San Benito
SBVC		San Bernadino V.
SCC	C	Santa Cruz (USA)
SCCM		Colson Canyon
SCI		San Clemente I.
SCL	C	Santa Clara
SCY		Stone Can. Res.
SCZ		Santa Cruz
SDC	C	San Diego
SDW		Sidewinder Mine
SEC		Stevens Creek
SFB	C	San Francisco
SFC		San Francisco
SFL		San Felipe
SFM		San Francisco
SFR	C	San Francisco
SFT		Stanford
SGC		Saratoga
SGL		Mount Signal
SGV		S Grapevine
SHC	C	Mt Saint Helena
SHG		Shirttail Gulch
SHH		Sheep Hole Mts
SHS	C	Shasta Dam
SI2		Simi Peak
SIL		Silver Peak
SJH		St Joseph
SJQ	C	San Joaquin Res.
SKG		Skaggs Springs
SLBC	C	Solana Beach
SLD		San Luis Dam
SME		Santa Rosa Mine
SMTC		Superstition Mt.
SNC	C	San Nicolas I.
SNCC		San Nicolas I.
SND		San Diego
SNDC		Sand Canyon
SNR		Schaffner Ranch
SNS		San Onofre
SNT		Sears Point
SOS		Soda Springs
SPH	C	San Pedro Hill
SPM		Ship Mountains
SRC	C	Salinas Radio
SRTC		Snort
SS2		San Sevaine
SSK		Sunset Peak
STAN	C	Stanford
STC	C	Stone Canyon
STP		Stepladder Mts
STTC		Scott Ranch
SUP		Superstition Mt.
SVC		Silver Creek
SVD		Seven Oaks Dam
SWM		Sawmill
SWNG		Sheriff Wilson
SYP		Santa Ynez Peak
TCC	C	Turnbull Canyon
TEJ		El Tejon
TF−	C	Taft
THC		Tehachapi
TIN		Tinemaha
TIT		Squaw Tit
TJR		Tejon Ranch
TMB		Temblor Ra. SE
TMC	C	Table Mountain
TMO		Tin Mountain
TN−	C	29 Palms
TNK		Tinkers Knob
TOW		Tower One
TPC		29 Palms
TPO		Tropico Hills
TPRS		Tripped Ranch
TRC		Taylor Ranch
TTM		Turtle Mountains
TWL		Twin Lakes
TWN	C	Twin Peaks
UKI		Ukiah
USC		Univ. of S Cal.
VG2		Vista Grande
VIN	C	Vineyard
VIT	C	Vineyard
VPD		Villa Park Dam
VPEM		Volcano Peak E
VPK		Verdi Peak
VSTC		Vista
VTV		Victorville
WASM		Alta Sierra
WBMM		Breckenridge Mt.
WBSM		Bird Springs
WCHM		Chimney Peak
WCOM		Cook Peak
WCXM		China Lake
WDC		Whiskeytown
WDS		Woodside
WDY	C	Woody
WENL		Wente Winery
WH2		Whipple Mts 2
WHFM		Hanning Flat
WHVM		Havilah
WJPM		Johns Peak
WKC	C	Walker Ridge
WKC2		Walker Ridge
WKR		Work Ranch
WKTM		Kern−Tulare
WLHM		Little Horse
WLK		Wiest Lake
WLPM		Leibel Peak
WNMM		Nine Mile Canyon
WOFM		Oak Flat
WORM		Onyx Ranch
WRC	C	Williams Ranch
WSCM		Short Canyon
WSHM		Spangler Hills
WSP		Warm Springs
WWPM		Walker Pass
WWR		Whitewater
XMS		Christmas
YAQ		Yaqui Meadows
YBH		Yreka Blue Horn
YBIB		Yerba Buena Is
YEG		Yeguas Mountain
YR−	C	Yreka
YUH		Yuha Desert
ZSP		San Pablo Dam
COLORADO		
BDC	C	Boulder
BO1	C	Boulder
BOU	C	Boulder
CGC	C	Craig
DEN		Denver
DER	C	Derby
DGC	C	Durango
DR−	C	Durango
EGC	C	Eagle
FK−	C	Franktown
GJC	C	Grand Junction
GLD		Golden
GOL	C	Golden
HDQ	C	Headquarters
HLR	C	Highland Ranch
ISCO		Idaho Springs
MRC	C	Montrose
PGS	C	Pagosa Springs
PMC	C	Poorman Mine
PV01		Paradox Valley
PV02		Paradox Valley
PV03		Paradox Valley
PV04		Paradox Valley
PV05		Paradox Valley
PV06		Paradox Valley
PV07		Paradox Valley
PV08		Paradox Valley
PV09		Paradox Valley
PV10		Paradox Valley
RBC	C	Rio Blanco
RGC		Rangely
RW1		Ridgway
RW2		Ridgway
RW3		Ridgway
RW4		Ridgway
RW5		Ridgway
RW6		Ridgway
SIG	C	South Ingalls
SMC		Somerset
TDC	C	Trinidad (USA)
TJC		Trinidad (USA)
WTC	C	Waterton
CONNECTICUT		
APT	C	Avery Point
BCT	C	Brookfield
BPT	C	Bridgeport
BRYW		Smithfield
CPL	C	Chaplin
ECT	C	Ellsworth
HAR	C	Hartford
HDM	C	Haddam
LSCT		Lakeside
MD1	C	Moodus
MD2	C	Moodus
MD3	C	Moodus
MD4	C	Moodus
MD5	C	Moodus
NHC	C	New Haven
NSC	C	N Stonington
TMT	C	Talcott Mountain
UCT	C	Connecticut Univ.
YLE		Yale
DELAWARE		
BBD	C	Blackbird
BVD		Bellevue St. Pk
BWD		Brandywine
GTD	C	Georgetown
GWDE		Greenwood
NED		Newark
DISTRICT OF COLUMBIA		
BED	C	Bald Eagle
DTM	C	Carnegie Inst.
GEO		Georgetown
NRL	C	Washington
WAS	C	Washington
FLORIDA		
BE−	C	Belleview
DWPF		Disney
EVE		Everglades
GAI		Gainesville
JAC	C	Jacksonville
MIA	C	Miami
OR−	C	Orlando
PEN	C	Pensacola
PJC		Pensacola Coll.
RIC	C	Richmond
WFF	C	Whiting Field
GEORGIA		
AMG		Americus
ATL		Atlanta
BBG		Brasstown Bald
BEVG		Clark Hill Res.
CDG		Carters Dam
CH5		Clark Hill Res.
CH6		Clark Hill Res.
DALG	C	Dalton
ETG		Eatonton
GBG		Greensboro
GMG		Grassy Mountain
GOGA		Godfrey
IVAG	C	Clark Hill Res.
LA−	C	Lafayette
LDVG		Clark Hill Res.
LKGA		Lookout Mt.
RCG		Rock City
REG		Rock Eagle
RMG		Rome (USA)
TVGG	C	Rocky Mountain
WDG		Wallace Dam
IDAHO		
AHID		Auburn Hatchery
ARNI		Argonne North
BBI	C	Big Bend
BCYI		Bear Canyon
BDID		Brownlee Dam
BEI		Bear River Range
BHI	C	Bertha Hill
BSE		Boise
BUI		Burke
CBTI		Cedar Butte
CHOI		Coyote Hollow
CIB	C	Cedar Butte
CL−	C	Challis
CMI		Centennial Mt.
CNCI		Crows Nest Can.
COMI		Craters of Moon
CPI		Crown Point
CRBI		Circular Butte
DCI	C	Dry Creek
DEI	C	Dent
DPI		Dunn Peak
EBI		Elk Butte
EMI		Eightmile Canyon
ERI	C	Eureka Ridge
GBI		Big Grassy Butte
GHI	C	Gilbert Hill
GMI	C	Garnes Mountain
GRAI		Grandview Point
GRCI		Grant Creek
GTRI		Great Rift
HHAI		Hells Half Acre
HHI	C	Harmony Heights
HID	C	Hamer Butte
HL−	C	Hailey
HL2		Hailey
HLID		Hailey
HPI		Howe Peak
HWSI		Howe Scarp
ICI		Italian Canyon
ID1	C	Idaho Array 1
ID2	C	Idaho Array 2
ID3	C	Idaho Array 3
ID4	C	Idaho Array 4
ID5	C	Idaho Array 5
IDA	C	Idaho Array
IRCI		INEL Research
JECI		Jenson Cabin
JGI		Juniper Gulch
KBI		Kettle Butte
KCI		Kelly Canyon
KGI	C	Kellogg
LGM	C	Little Green Mt.
LJI		Lemhi Junction
LLRI		Little Lost River
LRI	C	Big Lost River
LVRI		Lost Valley Res.
MAS	C	Mason Butte
MBI	C	Menan Buttes
MCPI		Mackay Peak
MLI		Malad Range
MO−	C	Mountain Home
MUDI		Mud Lake
MUL		Mullan
NPI		N Pocatello V.
NPRI		New Reactor
NTI	C	Nordman
PCID		Pole Creek
PINI		Pine Creek
PTI		Pocatello Creek
PZCI		Patelzick Creek
REX		Rexburg
RRI	C	Red Ridge
RRI2		Red Ridge
SBID		Snowbank Mt.
SJID		St Joe
SMBI		Sixmile Butte
SPCI		Split Crater
SPVI		Shoe Peg Valley
STI	C	Star Valley
STID		Stanley
SURI		Summit Reservoir
TCSI		Telchick Spring
TID		Three Point Mt.
TMI		Taylor Mountain
TYI		Trinity Mountain
WAL		Wallace
WBI	C	Whiskey Butte
WICI		Willow Creek
WPI		Wilson Peak
ILLINOIS		
BPIL	C	Belle Prairie
CGI		Chicago
CHI		Chicago−Loyola
CHK	C	Chicago
CIRL	C	Cave In Rock
CSIL	C	Creal Springs
DEK		Dekalb
ELC		Elco
GOIL	C	Rosebud
NHIL	C	New Haven
PW−	C	Pontiac
SIUC		S. Illinois Univ.
SMV		Samsville
WSIL	C	West Salem
INDIANA		
BLO		Bloomington
IN1	C	Indiana Array
IN2	C	Indiana Array
IN3	C	Indiana Array
IN4	C	Indiana Array
ISU		Indiana Univ.
SPIN	C	Swan Pond Ditch
THI		Terre Haute
WCI		Wyandotte Cave
WDIN	C	Wadesville
IOWA		
DBQ		Dubuque
DMI	C	Des Moines
VO−	C	Vinton
KANSAS		
BEK		Belvue
CBKS		Cedar Bluff
CNK		Concordia
EDK		El Dorado
EM−	C	Emporia
EMK		Emporia
HWK		Hiawatha
LAK		Lawrence
LAW		Lawrence
MHK		Manhattan
MHT	C	Manhattan
MLK		Milford Reservoir
NNK	C	Norton
OBK	C	Oberlin
SNK		Salina
TCK		Tuttle Cr. Res.
KENTUCKY		
BETH	C	Bethel
BGKY		Bowling Green
BHKY		Bowman Hall
CRU		Crutchfield
DY−	C	Dry Ridge
FDKY		Freedom
FLKY		Flemingsburg
FMKY		Fulgham
HAKY		Hadley Quad
L6KY		Lock 6
LEK	C	Lexington
LGKY	C	Lock 6
LLKY		Land−Between
LOKY		Lockhart
MOKY		Morganfield
PAKY		Paducah
PKKY		Potato Knob
ROKY		Rotten Point
RS−	C	Russell Springs
SMKY		Sacramento
SOKY		Sonora
SSKY	C	Summer Shade
WCK		Wilson Creek
LOUISIANA		
JE−	C	Jena (USA)
LSU1		Parcperdue Array
LSU2		Parcperdue Array
LSU3		Parcperdue Array
LSU4		Parcperdue Array
LSU5		Parcperdue Array
LV−	C	Liddieville
NOL		New Orleans
MAINE		
AG−	C	Augusta
AGM	C	Allagash
BG−	C	Bangor
BPM	C	Bucksport
CBM	C	Caribou
D1A	C	Dickey
D2A	C	Dickey
D3A	C	Dickey
D4A	C	Dickey
D5A	C	Dickey
D6A	C	Dickey
EMM	C	East Machias
EMMT	C	East Machias
HKM	C	Hinckley
HN−	C	Houlton
HNME	C	Houlton
JKM	C	Jackman
MIM		Milo
POR	C	Portland
PQ0	C	Cooper Hill
PQ1	C	East Ridge

ZONE

Code		Station Name
TRM	C	Turner
WTR		Waterville
WVL		Waterville
MARYLAND		
CLH	C	Cheltenham
ECM		Ellicott City
GS−	C	Grantsville
NHB	C	Bethesda
NLM	C	Maryland
VIL	C	Villa Mercy
WOO	C	Woodstock
WSC	C	Washington S. C.
MASSACHUSETTS		
BCX		Newton
CAM	C	Cambridge
COD		South Dennis
DUX		Duxbury
FLR	C	Fall River
GLO		Gloucester
HRV		Harvard
LNX	C	Lenox
NMA	C	Nantucket
QUA	C	Quabbin
QUA2		Belchertown
WES		Weston
WFM		Westford
WGMA		Westboro
WLL	C	Williamstown
WOR	C	Worcester
MICHIGAN		
AAM		Ann Arbor
ACM	C	Allegan
ED−	C	Edgewood
KZM	C	Kalamazoo
LNSM		East Lansing
PF−	C	Pickford
SUG	C	Sugar Island
TT−	C	Trout Lake
WPM		White Pine
MINNESOTA		
BEM		Bemidji
CM1		Minnesota Array
CM2		Minnesota Array
CM3		Minnesota Array
CM4		Minnesota Array
CM5		Minnesota Array
CM6		Minnesota Array
DUL	C	Duluth
EYMN		Ely
GP−	C	Grand Rapids
GY−	C	Gaylord
HT−	C	Hastings
JA−	C	Jasper
JO−	C	Jordan
MFM	C	Minneapolis
MNM	C	Minneapolis
MNN	C	Minneapolis
NB−	C	North Branch
PP−	C	Pipestone
SE−	C	Sleepy Eye
TY−	C	Tracy
WD−	C	Windom
WF−	C	Wykoff
MISSISSIPPI		
LD−	C	Lucedale
LL−	C	Laurel
MB−	C	McComb
OXF	C	Oxford (Ms)
PC−	C	Picayune
PGM		Pleasant Grove
PU−	C	Purvis
MISSOURI		
BRM	C	Bernie
BRR	C	Berryman
CBD		Cypress Bend
CCM		Cathedral Cave
CCMO		Creve Coeur
CGM		Cape Girardeau
CWPT		Cottonwood Pt.
DMV		Demmitville
DON		Dongola
DWM		Dogwood
ECD	C	Elk Chute Ditch
EN−	C	Ellsinore
FLO	C	Florissant
FRM	C	Flat River
FVM		French Village
GLST		Glass
GRV	C	Greenville
HATI		Hayti
HAWT		Hathaway
KC−	C	Kansas City
LDMO		Linda
LST		Lone Star
MLD	C	Malden
MMM		Pea Ridge Mine
NMD		New Madrid
NMM	C	New Madrid
NMMO		New Madrid
NRMS		Noranda
PTG	C	Portageville
RELT		Roellen
RMB		Rombauer
ROL		Rolla
SJMO	C	St John's Bayou
SLM		Saint Louis
TPMO		Tallapoosa
TYS		Tyson Valley
WADM		Wardell
MONTANA		
AMM		Anaconda
AN−	C	Angela
BBM	C	Big Bend
BCB	C	Big Creek Baldy
BCM	C	Basin Creek
BFM		Bigfork
BGMT		Barton Gulch
BLK	C	Black Butte
BOZ	C	Bozeman (W)
BSMT		Bassoo Peak
BUT		Butte
BZE	C	Bozeman
BZM	C	Bozeman
CCMT	C	Clark Can. Res.
CFM	C	Cliffside
CHMT		Chamblerlain Mt.
CKM	C	Coopers Lake
CLX		Calx Mountain
CMT		Clancy
DI−	C	Dillon
DMMT	C	Dalton Mountain
DPM	C	Delmo Park
ELMT		Elliston
ERMT	C	East Ridge
FBMT		Ferry Basin
FR−	C	Forsyth
GBM	C	Granite Butte
GCMT		Greycliff
GCR		Grayling Creek
GI−	C	Glendive
HBMT		Mount Humbug
HH−	C	Hannah
HHM	C	Hungry Horse
HLM	C	Helmville
HRF		Holter Research
HRY		Holter Research
HV−	C	Havre
HY−	C	Hysham
JTMT		Jettee
LA0		Lasa Array
LAO		LASA Centre
LASA		Lasa Array
LB1	C	LASA B Ring
LB2	C	LASA B Ring
LB3	C	LASA B Ring
LB4	C	LASA B Ring
LBM	C	Little Butte
LC1	C	LASA C Ring
LC2	C	LASA C Ring
LC3	C	LASA C Ring
LC4	C	LASA C Ring
LCCM		Lewis Clark Cav.
LD1	C	LASA D Ring
LD2	C	LASA D Ring
LD3	C	LASA D Ring
LD4	C	LASA D Ring
LDM		Libby Dam
LE1	C	LASA E Ring
LE2	C	LASA E Ring
LE3	C	LASA E Ring
LE4	C	LASA E Ring
LF1	C	LASA F Ring
LF2	C	LASA F Ring
LF3	C	LASA F Ring
LF4	C	LASA F Ring
LFM	C	Lubrecht Forest
LHD		Little Hoodo Mt.
LHM	C	Lake Helena
LRM		Limekiln Ridge
LTMT		Little Table Mt.
LYMT		Lyon Mountain
MCMT		McKenzie Canyon
MEMT		Mount Ellis
MOMT		Monida
MSO		Missoula
NCM		Ninemile Creek
NDMT		Ninemile Divide
OVMT		Ovando
PCMT		Pistol Creek
PNK	C	Pinkham Creek
QLMT		Earthquake Lake
RFM	C	Reservoir Flats
RXF		Rexford
SGM		Silver Gate
SLMT		Seeley Lake
STMT		Stillwater Mine
SVMT	C	Summit Valley
SW−	C	Sweetgrass
SWMT		Swartz Lake
SWP	C	Swamp Creek
SXM		Sixmile
TEE	C	Teeples Ranch
TPMT		Tepee Creek
WCM	C	Warland Creek
WHM	C	Wild Horse Parks
WYM	C	West Yellowstone
YCM	C	YMCA Camp
YKM		Yaak
YWY		West Yellowstone
NEBRASKA		
ABN		Auburn
AI−		Alliance
BENE		Beatrice
CCNE		Clay Center
CR−	C	Crete
CTN		Crete
CUN		Columbus
CZ−	C	Cody
DTN		Dwight
GAN	C	Gretna
GO−	C	Gordon
HMN		Homestead Nat.
HS−	C	Hay Springs
INDN		Indianola
JHN		Johnson
LCN		Lincoln
LCNC		Loup City
LIN	C	Lincoln
MH−	C	Mitchell
MKN		Medicine Cr.
NR−	C	Niobrara River
PCNE		Platte Center
SGN	C	Springfield
WHNE		Wahoo
WNN		Wann
NEVADA		
ADM	C	NRDS
ALA		Alamo
APK	C	Angels Peak
APKW		Angels Peak
AT−	C	Austin
BCN	C	Boulder City
BEA	C	Beatty
BFC		Buffalo Canyon
BGB		Big Butte
BGN	C	Big Creek
BIS		Bismark Peak
BLM*	C	Bell Mountain
BLT		Belted Range
BMN		Battle Mountain
BMTN		Black Mountain
BNPN		Boundary Peak
BONR		Boundary Peak
BRO		Bare Mountain
BTY	C	Beatty
BUK	C	413
CDH1		Calico Hills
CDH5		Calico Hills
CMN	C	Crown Mine
CND		Currant
CPN	C	CP−17
CPX	C	CP−1
CPY		CP−1
CTS		Cactus Peak
CU−	C	Currant
DIXR		Dixie Hot Springs
DLM		Delamar Mts
EK−	C	Eureka (L)
EKO		Elko
ELK		Elko
ELY	C	Ely
EMN		Eldorado Mts
EPM		Echo Peak
EPR		E Paranagat Ra.
ETS	C	Engine Test
EUR		Eureka
EY−	C	Ely
EY2		Ely
FERR		Ferguson
FPN	C	Fairview Park
FPN1	C	Fairview Park
GAB	C	Gabbs
GBT		Gilbert
GF−	C	Goldfield
GLR		Groom Lake Rd
GMN		Gold Mountain
GMR		Groom Range
GNO		Genoa
GRX		Grover
GZN	C	Ground Zero
HCK		Huntoon Valley
HCR		Hot Creek Range
HYX		Hoyt Mine
IO−	C	Ione
JON		Johnnie
KRNA		Kawich Range
KVN		Kaiserville
LDV	C	Leadville
LHV		Little Huntoon
LI−	C	Liberty
LM−	C	Lake Mead
LNG	C	Luning
LO−	C	Lovelock
LO2	C	Pahute Mesa
LOP		Lookout Peak
LSM		Little Skull Mt.
LSN	C	Little Skull Mt.
LVK	C	Lovelock
LVN	C	Las Vegas
LVW	C	Las Vegas
LWN	C	416
MCN	C	Mercury
MCV	C	Mercury
MCY		Mercury
MGM		Magruder Mt.
MN−	C	Mina
MNA		Mina
MNV		Mina
MTI		Mount Irish
MTPC		Mountain Pass
MZP		Montezuma Peak
N23		N23
NEL		Nelson
NMN		Nasa Mt.
NPM		N Pahute Mesa
NPN		N Pahroc Range
NRM	C	N Rainier Mesa
NRR		North Reno
NT13		Thirsty
NTA		Nevada Test Ar.
NYC	C	Charley
NYJ	C	Joshua Tree
NYM	C	Climax Mine
NYR	C	Receiver Site
NYS	C	Syncline Ridge
NYV	C	Vern
OVE	C	Overton
PAHR		Pah Pah Range
PMN	C	Pahute Mesa
PNR	C	Penrod
PRN		Pahroc Range
QCS		Queen City
QRV	C	Quinn River V.
REN	C	Reno
RUT	C	Ruth
RVE	C	Reveille Range
RYN		Ryan
SC−	C	Sutcliffe
SDH		Striped Hills
SHRG		Sheep Range
SMN	C	Sleeping Mt.
SPRG		Spotted Range
SRG		Seaman Range
SSP		Shoshone Peak
SSX	C	SS1
ST−	C	Stillwater
STM	C	Slate Mountain
STX	C	Station 2
SVP		Silver Peak Ra.
SZ−	C	Shoal
TCNV		Thirsty Canyon
TMBR		Timber Mountain
TMN		Timber Mountain
TNP		Tonopah
TP−	C	Tippipah
TPH		Tonopah
TPK	C	Tolicha Peak
TPNV		Topopah Spring
TPU		Tempiute Mt.
TPV	C	Tonopah
TSV	C	Twin Springs
UVN	C	Unionville
UVN1	C	Unionville
VIP		Virginia Peak
WAKR		Walker
WCN		Washoe City
WCT		Wildcat Mountain
WI−	C	Winnemucca
WMN	C	Winnemucca
WRN		Worthington Mts
WSN	C	Warm Springs
WSR	C	Warm Springs
YMT1	C	Yucca Mountain
YMT2		Yucca Mountain
YMT3		Yucca Mountain
YMT4		Yucca Mountain
YMT5		Yucca Mountain
YMT6		Yucca Mountain
NEW HAMPSHIRE		
BNH	C	Berlin (NH)
DNH		Durham (NH)
FNN	C	Franconia Notch
HNH		Hanover
LANH		Laconia
LB−	C	Lebanon
LBNH		Lisbon
LS−	C	Lisbon (USA)
NH1		Sanbornton
ONH		Oakhill
PNH		Pitcher Mountain
WBNH		Wolfeboro
WNH		Whiteface
NEW JERSEY		
ABMC		Merrill Creek
CNJ	C	Catfish Pond
DENJ		Denville
EPMC		Merrill Creek
FHMC		Merrill Creek
GMTN		Garret Mountain
GPD		Greenpond
HRMC		Merrill Creek
LVNJ		Long Valley
MONJ		Montclair
OGD	C	Ogdensburg
PDMC		Merrill Creek
PEMC		Merrill Creek
PFMC		Merrill Creek
PMMC		Merrill Creek
PNJ	C	Paterson
PQN		Pahaquarry
PRIN		Princeton (NJ)
PVN	C	Peters Valley
RAMA		Ramapo Mt.
TABN	C	Tabernacle
NEW MEXICO		
ABQ		Albuquerque
ALQ	C	Albuquerque
ANMO		Albuquerque
ANTR		Antelope Ridge
BBN	C	Black Butte
BDNM		Bernardo
BMNM		Bear Mountains
BNM		Barren Site
BRC	C	Barley Canyon
CBET		Carlsbad E Tower
CCN	C	Cachucha Ranch
CDN		Cerro Durazno
CLN		Carlsbad
CLN2	C	Carlsbad 2
CLN4		Carlsbad 4
CLN6		Carlsbad 6
CLN7		Carlsbad 7

ZONE

Code		Station Name
CLNB		Carlsbad
CLP		Clara Peak
CNM	C	Chama
COH		Cochiti
CPRX		Cap Rock
CRNM		Carthage
DMPK		Deadman Peak
DNM	C	Dulce
EST		Estancia
EUM		Eureka Mesa
FARG	C	Farmington
FCN	C	Frijoles Canyon
GDL2		Guadelupe Mt.
GN−	C	Gnome
GNM		Golden
HTMS		Hat Mesa
JOAQ		Joaquin Lookout
JUM		Jug
KT1	C	Kermit
KT2	C	Kermit
KT3	C	Kermit
KT4	C	Kermit
KT5	C	Kermit
KT7	C	Kermit
KT8	C	Kermit
KT9	C	Kermit
LAD		Ladron Mountain
LAZ		Ladron
LC−	C	Las Cruces
LCV	C	La Cueva
LENM		Lemitar
LFC		Lale Fork Canyon
LJY		La Joya
LOA	C	Los Alamos
LPM		Los Pinos Mt.
ML−	C	Mogollon
MLM		Mesa Lucera
MSA		Mt San Antonio
MTL		Mount Taylor
NMH		New Mexico Hi.
OTZ		Ortiz Mountain
REDP		Redondo Peak
RIO	C	Rio Grant
RT−	C	Raton
SBM		South Baldy
SMNM		San Marcial
SNM		Socorro
SPD		St Peter's Dome
SRF	C	Snake Ranch
SRM	C	Socorro
SVM	C	Silver City
TC−	C	T or C
TD−	C	Tres Piedras
TSP		Tesuque Peak
TTP		Tetilla Peak
WMA		West Mesa
WTX		Workman Tunnel

NEW YORK

ABRN		Auburn
ADN	C	Adams
ALF	C	Alfred
ALX		Alexander Bay
AMNH		Manhattan
ANNS		Annsville
APH	C	Airport Hangar
ATT	C	Attica
BERL		Berlin (NY)
BFF	C	Buffalo−Larkin
BGR		Bangor (NY)
BING		Binghamton
BINY		Binghamton
BIPS		Buchanan
BLMY		Blum
BML	C	Blue Mountain L.
BNY		Binghamton
BUF		Buffalo
CAMB		Cambridge (NY)
CANY	C	Canisius
CAZE		Cazenovia
CHAU		Chaumont
CHRY		Calls Hollow Rd
CLAR		Clarkstown
CLIN	C	Clinton
CLY	C	Crystal Lake
CNY		City College NY
COSP		Cold Spring
CRNY		Cross River
CROG	C	Croghan (NY)
CSRY	C	Cold Spring R.
CTR		Castle Rock
DANY	C	Dannemora
DBMY		Dunderburg Mt.
DH−	C	Delhi
DHN		Doyle Hill
DNY	C	Dersam
DP−	C	Deposit
DPLY		Delli Paoli
DSN	C	Dusing
EAN	C	East Aurora
EGN	C	Eagle's Nest
ELM	C	Elma
ELNV		Ellenville
FOR	C	Fordham
GARN		Garrison
GCY		Glen Cove
GERM		Germantown
GFN	C	Grafton
GILB		Gilboa
GLOV		Gloversville
GNF		Goodnow Flow
GOBY		Gobbelet
GSCY		Girl Scout Camp
HAVE		Haverstraw
HMB	C	Hamburg
HMCY		Holy Mt Cemetery
HNY	C	Hamilton
INY		Ithaca
ITH	C	Ithaca
LCNA		Lacona
LILH		Lima (NY)
MEDY		Medina
MIV		Mineville
MSNY		Massena
NWC		N Woods Club
OAK	C	Oakfield
OCN	C	Over Castle Rock
ONTR		Ontario (NY)
OSBY		Osborn
OSNY		Ossining
OSWG		Oswego
PAL		Palisades
PGY		Peter Gray Mt.
PHEL		Phelps
PNY		Plattsburgh
PTN		Potsdam (NY)
PUTN		Putnam
QLNY		Queensboro Lake
RLSP		Rockland Lake
RMO	C	Rochester (NY)
ROC		Rochester
ROTD		Rotterdam (NY)
RSNY	C	Adirondack
SANY		Sanborn
SFN		Sterling Forest
SFO	C	Sterling Forest
SKLY	C	Ski Hill Lift
SKN	C	Skaneateles
SNPY		Stony Point
SONY		Sodus
SPSY		St Peters Sch.
SRMY		Scherman
STLY		Stiles
STWA		Stillwater
SUFF		Suffern
TBR		Table Rock
TRY		Troy
TUS	C	Tuscarora
TXNY		Tuxedo
UWL	C	Utowana Lake
VCS		Vernal Corners
WCC		Westchester Coll.
WEST		Westmoreland
WGLY		Wegel
WLI	C	Wellesley Island
WMNY		West Monroe
WND		Windham
WNY		Wilmington
WPNY		West Park
WPR	C	Ward Pound Rge
WTVE		Waterville
WVLY		West Valley
YSNY		Yorkshire

NORTH CAROLINA

AE−	C	Albemarle
AVNC		Asheville
BENN		Benn Knob
BRBC		Blue Ridge B.C.
BUNC		Butner
CEH		Chapel Hill
CHC	C	Chapel Hill
CPC	C	Cherry Point
GBNC		Greensboro
GFM		Grandfather Mt.
MTSH		Mt Sheppard
MYNC		Murphy
PKNC		Pores Knob
RBNC		Richland Balsam
RICH		Rich Mountain
RNC		Little Raleigh
TRYN		Tryon Peak
WNC		Wilmington
WSSR		Wesser Bold

NORTH DAKOTA

HH2		Hannah
RY−	C	Ryder
TS−	C	Trotters

OHIO

AN1	C	Anna
AN10	C	Anna
AN11	C	Anna
AN12	C	Anna
AN3	C	Anna
AN4	C	Anna
AN7	C	Anna
AN8	C	Anna
AN9	C	Anna
BGO		Bowling Green
CCHE	C	Chesterland
CECL	C	East Claridon
CGRR	C	Girdled Road
CLE	C	Cleveland
CMEN	C	Mentor
CNN	C	Cincinnati
CTHA	C	Thorn Acres
CTOM	C	Thompson
MLF		Milford
UTO		Univ. of Toledo

OKLAHOMA

ACO		Alabaster Cav.
AK−	C	Atoka
AL−	C	Antlers
AM−	C	Ardmore
AP−	C	Apache
ATO		Altona
BHO	C	Bethel
BIX		Bixby
CCOK		Camp Classen
CDO	C	Cedar Creek
CRO	C	Carnasaw Mt.
CT−	C	Clayton
DU−	C	Durant
FKO		Franklin
FNO		Franklin
GBO	C	Fort Gibson
HB−	C	Hobart (Okla)
LNO		Leonard
LNO2		Leonard
LNO3		Leonard
MEO		Meers
MFO	C	Meers Fault
MRO	C	Meridian
MZO	C	Mazie Landing
NMO	C	Norman
OCO		Oklahoma City
OLO	C	Oologah
PCO		Ponca City
PKO		Pickens
QMO	C	Quartz Mountain
QZO		Quartz Mt.
RLO		Rose Lookout
RRO		Red Rock Canyon
SIO		Slick
TO−	C	Tishomingo
TSO	C	Tulsa
TUL		Tulsa (Univ.Okla.)
UYO		Union Valley
VVO		Vivian
WA−	C	Watson
WLO		Wilson
WMO	C	Wichita Mts
WMOK		Wichita Mts

OREGON

AOT	C	Adel
BBOR		Butler Butte
BMO		Blue Mountains
BPO		Bald Peter
BT−	C	Bates
CHOR		Cabbage Hill
COR		Corvallis
CROR		Criterion Ridge
DBO		Dodson Butte
FBO		Farmers Butte
FMC		Four Mile Canyon
GMO		Grizzlie Mountain
GROR		Grindstone Mt.
GT2		Goat Mountain
HAMO		Hamaker Mt.
HBO		Huckleberry Mt.
HMO		H. Mason
HRO		Hermiston
HSO		Harness Mt.
JBO		Jordan Butte
KFO		Klamath Falls
KMOR		Kings Mountain
KR−	C	Crane
KSCM		Snow Cap Mt.
LAB		Little Aspen B.
LGOR		La Grande
LIME		Lime
LNOR		Lincton Mountain
MFW		Milton−Freewater
MPOR		Mary's Peak
NCOR		Newberry Crater
NLO		Nicolai Mountain
PGO		Gresham
PK−	C	Pilot Rock
PMT	C	Pine Mountain
PN−	C	Pine Creek
PNO		Pendleton
PT−	C	Pendleton
PTD		Portland
RNO		Roman Nose
SA−	C	Seneca
SR−	C	Sparta
SSOR		Sweet Springs
TCO		Three Creek
TDH		Tom, Dick, Harry
TKO		Trask Mountain
TPOR		Trinity Point
UK−	C	Ukiah
VBEM		Beaver Butte
VBPM		Bald Peter
VCLM		Crater Lake
VCMM		Chase Mountain
VFBM		Frederick Butte
VFP		Flag Point
VGB		Gordon Butte
VGMM		Grass Mountain
VGPM		Green Peter
VGTM		Goat Mountain
VHBM		Hamelton Butte
VHEM		Hood Meadows E
VHHM		High Heaven
VHOM		Mount Hebo
VHYM		Horsefly Mt.
VIPM		Ingram Point
VJYM		Jersey
VLL		Laurance Lake
VLMM		Larch Mountain
VMHM		Mount Hagen
VMNM		Maupin
VPIM		Pine Mountain
VPMM		St Patrick Mt.
VRBM		Round Butte Dam
VRC		Rainbow Creek
VSBM		Spring Butte
VSCM		Scott Mountain
VSMM		Salem
VT−	C	Venator
VTCM		Trout Cr. Butte
VTDM		The Dalles
VTHM		Trough
VWBM		Wanoga Butte
VWMM		Walker Mountain
WMOR		Whale Back Mt.
WPO		West Portland
WVOR		Wild Horse Valley

PENNSYLVANIA

ABG		Abington
ATPA		Allentown
BB−	C	Bloomsburg
BD−	C	Bedford
BR−	C	Berlin (Penn)
BV−	C	Belleville
BVR		Beaver
DCP		Dickinson Coll.
ERP		Erie
GT−	C	Galeton
HD−	C	Howard
HKP	C	Hidden Lake
KTZ		Kutztown
LT−	C	Lewistown
MR−	C	Middleburg
MS−	C	Montrose
MVL		Millersville
NKP	C	New Kensington
PHI	C	Philadelphia
PIT	C	Pittsburgh
SCP		State College
SCP1	C	State College
SH−	C	Shamokin
SSL	C	Sunset Lake
SSPA		Standing Stone
TU−	C	Tunkhannock
WAY	C	Waynesburg

RHODE ISLAND

LAF	C	Lafayette

SOUTH CAROLINA

BCS		Charleston
BOW		Bowman
CCS		Cawcaw Swamp
CFS		Cross Fire Stn
CHF	C	Calhoun Falls
COW		Cow Castle Creek
CSC	C	Columbia
DRC		Dorchester
FMF	C	Francis Marion
GVS	C	Graniteville
HBF		Harts Bluff
HWD		Hollywood
JSC		Jenkinsville
LHS		Liberty Hill
MGS		Middleton G.
MKC	C	Moncks Corner
MTT		Monetta
NHS	C	North Hampton
OSB		Orangeburg
OSC	C	Orangeburg
PBF		Porcher Bluff
PBS	C	Pigeon Bay
PPS		Pierpont
PRM		Parsons Mt.
RGRS		Roger Stewart
ROW		Rowesville
SBK		Seabrook
SGS		St George
SMA	C	Summerton
SMSC		Smeltzer Mt.
SRPD		Savannah River
SRPN		Savannah River
SRPW		Savannah River
SVS		Slandsville
TRK		Turkey Creek
TWB		Tillmans−Whites
VEW		Oceanview
VRN		Varnville
VSC	C	Varnville
WMS		W Middle School
WSS		West Ashley
ZIN		Mt Zion Church

SOUTH DAKOTA

AY−	C	Academy
CO−	C	Colome
DL−	C	Dell Rapids
EBS		Eagle Butte
LEA	C	Lead
MC−	C	Mitchell
RCD		Rapid City
RG−	C	Redig
RSSD		Black Hills
SX−	C	Salem
SY−	C	Stickney
WN−	C	Winner

TENNESSEE

ABTN		Auburntown
ACTN	C	Antioch Church
ANTN		Anderson
BBTN	C	Blue Bank Bayou
BFMT		Birchfield Mt.
BHT		Blowhole
BKHT		Bunker Hill
BRTN		Brown Mountain

ZONE

Code		Station Name
BSPT		Big Springs
CA−	C	Caryville
CBT		Christianburg
CCRT		Cow Camps Rge
CGTN	C	Cumberland Gap
CHTN	C	Church Hills
COTN	C	Columbia
CPO	C	Cumberland Plat.
CPOT		Cumberland Plat.
CRTN		Comb Ridge
CS−	C	Crossville
CSPT		Cold Springs
CV−	C	Centerville
DCT		Ducktown
DRTN		Dyersburg
DY1	C	Dyersburg
DY2	C	Lassiter
DY3	C	Tiptonville
DY4	C	Samburg
DY5	C	Near Lassiter
EBZ		Ebenezer
EDIT		Edith
ETT		Etowah
FGTN		Flat Gap
GBTN		Greenback
GLT		Gallatin
GRT		Gratio
HHT	C	Hurricane Hollow
HPKT	C	Knoxville
JS−	C	Jackson
LE−	C	Lewisburg
LF−	C	La Follette
LMTN	C	Little Mountain
LRKT		Look Rock
LTN	C	Lennox
MET		Memphis
MFTN		Millsfield
MILT		Milan
MIST		Miston
MM−	C	McMinnville
MOTN		Model
MPH	C	Memphis
MVLT		Maryville
MX−	C	Manchester
NATN	C	Natchez Trace
NKT	C	Nankipoo
OGTN	C	Old Graveyard
OHTN		Owl Hoot
OKG	C	Oak Grove
ONTN		Oneida
ORT		Oak Ridge
PB−	C	Parsons
PDTN		Piedmont
RCT		Riceville
RHT		Red Hill
RSCP		Cumberland Plat.
SFTN		Shelby Forest
SHTN	C	Sandy Hook
SLTN		Sullivan
SMTN		Short Mountain
SWTN	C	Sewanee
TCT		Tennessee City
TKL		Tuckaleechee
TLT		Tellico Plains
TQTN		Tranquillity
TSTN		Townsend
UGRT		Union Grove
UTM	C	Univ. Martin
UTMA		Univ. Martin
VHTN	C	Van Hill
WMTN		White Oak Mt.
WT−	C	Wartburg
WVT		Waverly
ZZT	C	Zu Zu

TEXAS

ATX		Austin
AUS	C	Austin
AZ−	C	Amarillo
BM−	C	Balmorhea
BUTX		Baylor Univ.
CEC	C	Childress 1
CGTX		Campo Grande
CMTX		Cooper Mountain
CNE	C	Childress 2
CNO	C	Childress 3
CNW	C	Childress 4
CSE		Childress 5
CSW	C	Childress 6
CWT	C	Childress 7
DAL		Dallas
DGT*	C	Dallas−GT
DLS	C	Dallas
DNT	C	Denton
EF−	C	Eagle Flat
EP−	C	El Paso
EPT		El Paso
FMTX		Flower Mountain
FO−		Fort Stockton
FRTX		Fuller Ranch
GL−	C	Garland
GR2		Grit
GRI*	C	Grit
GV−	C	Grapevine
HE−	C	Hempstead
HET	C	Houston − E.T.
HKT		Hockley
HOU		Houston
JCT		Junction City
JRTX		Jordan Ranch
JU−	C	Juno
KIE	C	Kermit
KIT		Kermit
KKT		Kermit
KM2	C	Kermit
KM3	C	Kermit
KM5	C	Kermit
KM6	C	Kermit
KM9	C	Kermit
KME	C	Kermit
KTE	C	Kermit
KTT		Kermit
KTX	C	Kermit
LP−	C	La Pryor
LTB3		Lajitas B3
LTX		Lajitas
LUB		Lubbock
MOT		McDonald Obs.
MOT1		McDonald Obs.
MOT2		McDonald Obs.
MOT3		McDonald Obs.
MOT4		McDonald Obs.
MT1		Boracho Peak
MT2		Eagle Mountain
MT3		Miller Ranch
MT4		Brite Ranch
MTX		Marathon
NSLM		New Salem
PO−	C	Post
PRST		Prospect
SA2		San Angelo
SA4		San Angelo
SFTX		Fort Shafter
SJ−	C	San Jose (USA)
SK−	C	Shamrock
SM−	C	Seymour
SS−	C	Sanderson
ST1		Streeter
ST2		Streeter
ST4		Streeter
TTX		Tres Cuevas
TXAR		Lajitas Array
ZAV	C	Zavalia

UTAH

AAU	C	Alta
AIUT	C	Antelope I.
ANU	C	Antelope Island
ARUT		Antelope Range
BAP		Bailey Peak
BCU	C	Bear Canyon
BDU	C	Big Dutch Hollow
BIU		Bingham Canyon
BKU	C	Beaver Lake Mts
BMUT		Black Mountain
BPU	C	Bountiful Peak
BRUT		Bromley
BVK		Beaver Lake
BX−	C	Blanding
CCU		Cedar City
CFU		Cove Fort
CMU	C	Cedar Mountain
CPU		Coon Peak
CTU		Camp Tracy
CVE		Cedar Cove
CWU		Camp Williams
DAU		Daniels Canyon
DCU		Deer Creek Res.
DUG		Dugway
DWU		Dry Willow Peak
EMUT		Emma Park
EPU		East Promontory
ETU	C	E Traverse Mts
FDU		Ford Ridge
FGU	C	Flaming Gorge
FLA	C	Flat
FLU		Fool Peak
FM−	C	Fillmore
FPU		Francis Peak
FSU		Fish Springs
GMU		Granite Mountain
GSUT	C	Gun Site Pk
GZU		Grizzly Peak
HCU	C	Horse Canyon
HDU		Hyde Park
HLJ		Hailstone
HONU		Honeyville
HTU		Hoyt Peak
HVU		Hansel Valley
HWUT		Hardware Ranch
IMU		Iron Mountain
JLU		Jordanelle
KDUT		Kidman Hollow
KLJ		Keetly
KN−	C	Kanab
KNB		Kanab
LBUT		Lower Browns
LDJ		Lady
LDS	C	Leeds
LEE	C	Leeds
LEVU		Levan
LMU	C	Lake Mountain
LOG	C	Logan
LSUT		Lucky Star
LTU		Little Mountain
LVU		Levan Peak
LWA		Lower Mag Wash
MCU		Monte Cristo Pk
MGU		Meadow Cr. Golf
MHD		Mile High Drive
MMU		Miners Mountain
MNU		Milford North
MOUT		Mount Ogden
MPU		Maple Canyon
MSU		Marysvale
MVU		Marysvale
MWA		Mag Wash
NAIU		N. Antelope I.
NLU		North Lily
NMUT		North Mineral
NOQ		N. Oquirrh Mts.
NSU		North Stansbury
OGU	C	Ogden Bay
OPL		Opal Mound
OWUT		Old Woman Plat.
PBU	C	Perry Basin
PCU		Price
PCY		Pole Canyon
PPU	C	Promontory Point
PST	C	Pasture Canyon
PTU		Portage
PUU	C	Piute Reservoir
RBU		Red Butte Can.
RCJ		Ross Creek
RHU		Roosevelt Spr.
RMU	C	Rainbow Mont
RSUT		Red Spur Mt.
RVUT	C	Riverside
SAIU		S. Antelope I.
SAU	C	Saltair
SBU	C	Stansbury I.
SCU	C	Sheep Canyon
SGU		Sterling
SLC		Salt Lake City
SMU	C	Sunnyside Mine
SNO		Snow College
SNQU		Santaquin
SNU	C	Stansbury North
SQU	C	Squaw Peak
SRU		San Rafael
SUN	C	Sunnyside
SUU	C	Santaquin Can.
TCUT		Toone Canyon
UBO	C	Uinta Basin Array
VLU		Vernal
VN−	C	Vernal
WCU		Willow Creek
WHU	C	Wild Horse
WLD		Wild Horse Can
WLJ		Wildlife
WMU	C	West Mountain
WMUT		West Mountain
WTU		W. Traverse Mts
WVUT		Wellsville
WW−	C	Wah Wah Mts

VERMONT

BLVT		Baltimore
BUR	C	Burlington
COV	C	Colchester
DVT	C	Derby
FLE	C	Fletcher
FLET		Fletcher
HBVT		Hinesburg
IVT	C	Ira
MARL	C	Marlboro
MDV		Middlebury
MGVT	C	Montgomery
MPVT	C	Montpelier
NRT	C	Northfield
VT1		Waterbury

VIRGINIA

BAV		Blacksburg
BI−	C	Big Stone Gap
BLA		Blacksburg
BV1		Bath County 1
BV2		Bath County 2
BV3		Bath County 3
BV4		Bath County 4
CBN		Corbin
CCVA		Cudjo Cave
CG−	C	Cumberland Gap
CI−	C	Clintwood
CLT	C	Charlottesville
CNV		Corbin
CTV	C	Charlottesville
CVL		Charlottesville
ELN		Prospectdale
FRV		Farmville
GD−	C	Grundy
GHV		Goochland
GSR		Reston−USGS
HBV		Harrisonburg
KMV	C	Keen Mountain
LEX	C	Lexington
NA11	C	North Anna
NA12		North Anna
NA2	C	North Anna
NA5		North Anna
NAV		Narrows
NV1	C	North Anna 1
NV2	C	North Anna 2
NV3	C	North Anna 3
NV4	C	North Anna 4
NV5	C	North Anna 5
NV6	C	North Anna 6
NV7	C	North Anna 7
PBV		Petersburg
PLVA		Point Lookout
PUV		Pulaski
SU−	C	Schuyler
VBV		Virginia Beach
VWV		Potts Mountain
WMV		Walker Mountain

WASHINGTON

ALD		Alter Ridge
APM		Auspurger Mt.
APW		Alpha Peak
ASR		Mount Adams
BDG		Badger Mountain
BFW		Baw Faw Mt.
BLH		Bald Hill
BLL	C	Bellingham
BLN		Blyn Mountain
BMW		Boistfort Mt.
BRVW		Black Rock V.
BVW		Beverly
BW−	C	Blewett
CBSW		Chelan Butte S
CBW		Chelan Butte
CDFW		Cedar Flats
CE−	C	Concrete
CLW	C	Colville
CMW		Cultus Mountains
CNL	C	Connel
CPW		Capitol Peak
CRF		Corfu
CWZ		Cowlitz River
CZM		Crazy Man Mt.
DHW		Dyer Hill
DHW2		Dyer Hill 2
DPW		Davenport
DVW		Davenport
EBG		Ellensburg
EL−	C	Ellensburg
EPH		Ephrata
EPW		Ephrata
ERK		Elk Rock
ERW		Mount Erie
ESD		East Dome
ET2		Eltopia
ET3		Eltopia
ETP		Eltopia
ETW		Entiat
EUW		Eureka
FL2		Flat Top 2
FMW		Mount Fremont
FPW		Fields Point
FTW		Fairmont
GBL		Gable Mountain
GC−	C	Glacier Peak
GCW	C	Grand Coulee
GHW		Garrison Hill
GL2		New Goldendale
GLK		Glacier Lake
GMW		Gold Mountain
GSM		Grass Mountain
GULW		Guler Mountain
HAN		Hanford
HDW		Hoodsport
HGB		Hanford Gable B.
HHH		Horse Heaven H.
HSR		South Ridge
HSW	C	Hot Spot
HTW		HaystackLookout
JCW		Jim Creek
JLK		June Lake
KE−	C	Kennewick
KOSW		Kosmos
LMW		Ladd Mountain
LOCW		Rockwell Inc.
LON		Longmire
LSW	C	Landslide
LVP		Lakeview Peak
LW−	C	Lake Wenatchee
LYW		Lyman
MAY	C	Mayfield
MBW		Mount Baker
MCW		Mt Constitution
MDW		Midway (Wa)
MEW		McNeil Island
MJ2		Rockwell Inc.
MTMW		Mount Mitchell
MU−	C	Mt Baker
MXC		Moxie City
NAC		Naches
NBW	C	Neah Bay
NEW		Newport
NLW		Nelson Butte
OBC		Olympics−Bonidu
OBH		Olympics
OCWA		Octopus Mt
OD2		Odessa Site 2
ODS		Odessa
OFK		Olympics−Forks
OHW		Oak Harbor
OLQ		Olympics−Lake
OLW		Olympia
OMW		Omak
ONR		Olympics−N R.
OOW		Octopus West
OSD		Olympics−Snow
OSP		Olympics−Sooes
OSR		Olympics−Salmon
OT2		Othello
OTH		Othello
OTR		Olympics−Tyee
PATW		Paterson
PGW		Port Gamble
PRW		Prosser
RAIO		Rainier
RC1		Royal City
RCS		Mount Rainier
RCW		Richland
REMR		Mount Rainier

ZONE

Code		Station Name
REMW		Rembrandt
RMW		Rattlesnake Mt.
RPK		Roosevelt
RPW		Rockport
RSW		Rattlesnake Hills
RVC		Mount Rainier
RVW		Rose Valley
SAW		Saint Andrews
SCW	C	Sherman Crater
SDL		Saddle Mountain
SEA		Seattle
SHW		Mt Saint Helens
SMW		South Mountain
SOSW		Smith Creek
SPO	C	Spokane
SPW		Seward Park
STD		Studebaker Ridge
STT	C	Seattle
STW		Striped Peak
SYR		Smyrna
TBM		Table Mountain
TDL		Tradedollar Lake
TK−	C	Tonasket
TUM		Tumwater
TWW		Teanaway
VTG		Vantage
WAH		Wahluke
WAH2		Wahluke Slope
WBL		White Bluff
WBW		Wilson Butte
WEN		Wenatchee
WG2		Wallula Gap
WG3		Wallula Gap
WGW		Wallila Gap
WIW		Wooded Island
WNS		Wenas
WNW		Wenatchee
WPW		White Pass
WRD		Warden
WTV		Waterville
YA−	C	Yakima
YAKW		Yakima
YEL		Yellow Rock
WEST VIRGINIA		
AB−		Amboy
BL−	C	Beckley
BZ−	C	Buckhannon
CX−	C	Craigsville
FN−	C	Franklin
FWV		Forest Hill
GBV		Green Bank
HWV	C	Hinton
MCWV		Mont Chateau
MRG		Morgantown
PE−	C	Pineville
PWV		Princeton WV
PX−	C	Philippi
RN−	C	Rainelle
WISCONSIN		
AO−	C	Argonne
AR−	C	Aurora
BA−	C	Baldwin
CF−	C	Colfax
CN−	C	Cornell
JFWS		Jewell Farm
MDS	C	Madison
MF−	C	Medford
MLW	C	Milwaukee
NG−	C	Niagara
RL−	C	Rib Lake
RLW		Rice Lake
TM−	C	Tomahawk
UWM		Univ. Wisconsin
WYOMING		
ALPW		Alpine
ANGW		Angle Mountain
AVOW		Apres Vouz Peak
BDW	C	Boulder
BEAW		Beaver Mountain
BW06		Boulder Array
CJW	C	Canyon Junction
COLW		Colter Canyon
CY−	C	Cheyenne
HAYW		Haystack Fork
HK−	C	Hawk Springs
IMW		Indian Meadow
LAR	C	Laramie
LKWY		Lake
LOHW		Long Hollow
MHS	C	Mammoth Spr.
MJW	C	Madison Junction
MOOW		Moose Ponds
MVW		Mud Volcano
NJW		Norris Junction
PACW		Pacific Creek
PD01		Pinedale Array
PD02		Pinedale Array
PD03		Pinedale Array
PD04		Pinedale Array
PD05		Pinedale Array
PD07		Pinedale Array
PD08		Pinedale Array
PD09		Pinedale Array
PD10		Pinedale Array
PD11		Pinedale Array
PD12		Pinedale Array
PD13		Pinedale Array
PDAR		Pinedale Array
PI−	C	Pinedale
PI1	C	Pinedale
PI2	C	Pinedale
PI3	C	Pinedale
PI4	C	Pinedale
PI5	C	Pinedale
PI6	C	Pinedale
PI7	C	Pinedale
PIN	C	Pinedale
PM−	C	Pole Mt.
PMW	C	Pole Mt.
RAMW		Rammel Mt.
REDW		Red Top Meadow
SNOW		Snow King Mt.
STEW		Steamboat Mt.
TARW		Grand Targhee
TPAW		Teton Pass
TRXW		Triangle−X Ranch
WTW		West Thumb
WYO	C	Wyoming Array
YMC		Maple Creek
YMR		Madison River
YNB		Natural Bridge
YPOF		Old Faithful
YTC		Trail Creek

PACIFIC OCEAN - OCEANIA

ADMIRALTY ISLANDS

MOM		Momote

BOUGAINVILLE

BGA		Mount Bagana
KOA	C	Kobuan
PAA		Panguna

CAROLINE ISLANDS

KOR	C	Koror
PLA	C	Palau
TRU	C	Truk

COOK ISLANDS

NUE		Niue
RAR		Rarotonga
TG−	C	Tongareva I.

D'ENTRECASTEAUX ISLANDS

BDO	C	Budoia
ESA		Esa−ala
ESB		Esa−ala
LOSU		Losuia
WDIS		Woodlark Island

EASTER ISLAND

EIC		Easter Island
PSC	C	Isla de Pascua
RPN		Rapa Nui

FIJI

BQA		Beqa
GAU	C	Ngau Island
KDV		Kandavu Island
KRO		Koro
MBU		Bua
MGO		Magodro
MSV		Monasavu
MSVF		Nonsavu
NAF	C	Naboro
NAS	C	Nasaqa
NDE		Delaikoro
NDF		Nadi
NGA		Galoa
NHF	C	Nausori Hi.
NMF		Viti Levu
NMS		Namosi
OVA		Ovalau
SGE		South Ridge
SUV	C	Suva
SVA		Suva
TVI		Taveuni
UDU		Undu Point
VDW		Vunidawa
VUN		Vunikawai
YSA		Yasawairara

FRENCH POLYNESIA

GAMBIER ISLANDS

RKT		Rikitea

Pitcairn Island

PTCN		Pitcairn Island

MOOREA

AFR		Afareaitu

SOCIETY ISLANDS

Tahiti

PAE		Paea
PPN		Papenoo
PPT		Papeete
TAH	C	Tahiti
THT		Papeete
TVO		Taravao

TUAMOTU

AMN		Amanu
FRT		Faratahi
NAE		Nake (Tuamotu)
OTP		Otepa
PMO		Pomariorio
RUV		Rauvai
TPT		Tiputa
VAH		Vaihoa

TUBUAI

TBI		Tubuai

GALÁPAGOS

FERN		Isla Fernandina
GIE		Galapagos Is
PAYG		Puerto Ayora
VCHI		Volcan Chico

GUATEMALA BASIN

GB01		Guatemala OBS 1
GB02		Guatemala OBS 2
GB03		Guatemala OBS 3
GB04		Guatemala OBS 4
GB05		Guatemala OBS 5
GB06		Guatemala OBS 6
GB07		Guatemala OBS 7
GB08		Guatemala OBS 8

HAWAIIAN ISLANDS

HAWAII

AHA		Ahua
AIN		Ainahou
BAH	C	Barrette
CPH		Captain Cook
CPK		Cone Peak
DAH		Dandelion
DES		Desert
DHH		Diamond Head
ESR		Escape Road
FEF		Fern Forest
HBH		HawaiianBeaches
HIG		Hawaii Inst. Geo.
HIL		Hilo
HKL		Haleakala
HLK		Haleakala
HLP		Hilina Pali
HMH		Humuula
HNL	C	Honolulu (M.)
HON		Honolulu
HPO		Honuapo
HPU		Hale Pohaku
HTC		Hot Caves
HUH		Hualalai
HUL		Heiheiahulu
HVO		Hawaiian Volcano
HW−	C	Hawaii Island
KAE		Kaena
KEA	C	Kealakomo
KFH		Kaoiki Faults
KHU		Kahuku
KIH		Kanekii
KIP		Kipapa
KKH		Kailua Kona
KKU		Keanakolu
KLCH		Kalalua Cone
KLH		Kapapala Ranch
KLK	C	Kealakekua
KMH		Puu Kamoamoa
KML	C	Kamuela
KNH		Kipuka Nene
KNW	C	Konawaena
KOH		Kohala
KPA		Kalaupapa
KPH	C	Kaena Point
KPO		Kapoho
KUH		Kaapuna
M12	C	M12
MHA		Mahukona
MKA		Makaopuhi
MKH	C	Mauna Kea
MLH		Mauna Loa
MLX		Mauna Loa 2
MOK	C	Mokapu
MVH		Mountain View
MWH		Mokuaweoweo
NAA	C	Naalehu
NBH	C	North Bay
NGH		National Guard
NPH		North Pit
OA−	C	Oahu Island
OPA		Opana
OUT		Outlet
PAH	C	Pahoa
PFH		Pahoa Fire House
PHH	C	Puu Huluhulu
PHO		Puu Honuaula
PKL		Puu Kaliu
PLL		Puu Ulaula
POH		Pohoiki
PPL		Puu Pili
PUH		Pauahi
PUP	C	Pupakea
PWH		Poliokeawe Pali
RIM		Rim
RSD		Rainshed
SPT		South Point
STCH		Steam Cracks
SWH		Southwest Rift
TRH		Trail
UWE		Uwekahuna
WHA		Wahaula
WHI	C	Whitney
WIH		Wilkes Camp
WKH		Waikii
WLG		Waldron Ledge
WMR		Waimanalo Ridge
WOB		Weather Obs.
WOH		Wood Valley
WPH	C	West Pit

MIDWAY ISLANDS

MDY	C	Midway

JUAN FERNANDEZ ISLANDS

IJF	C	Juan Fernandez I.

KIRIBATI (GILBERT ISLANDS)

XMAS		Kiritimati

LINE ISLANDS

FAN	C	Fanning Island
JN−	C	Johnston I.
JOHN		Johnston Island
PR−	C	Palmyra I.

LOYALTY ISLANDS

OUA		Ouanaham

MARCUS ISLAND

MCS	C	Marcus Island

MARIANA ISLANDS

AGRI		Agrihan Island
ALMG		Alamagan
ANAT		Anatahan
GUA		Guam
GUAM	C	Guam
GUMO		Guam (SRO)
NMCC		N. Marianas Coll.
PAGN		Pagan
PAGV		Pagan Volcano
PJG		Potts Junction
SAPN		Saipan

MARSHALL ISLANDS

EW−	C	Eniwetok

NEW BRITAIN

BOI		Boisen
CGA		C. Gloucester Air.
DAW	C	Hoskins
DOY		Duke of York I.
ERB	C	Rabaul (IGS)
ESM		Semalu
ETV		Tovanakuss
EVZ		Mount Varzin
EWT		Watom Island
KCM	C	Kilenge
KET	C	Keravat
KMB	C	Kimbe
KRT	C	Keravat
LAG		Langila
MIP		Matupit
MPT		Matupit Island
NIS		Nissan Is
PNB	C	Pomio
RAB		Rabaul
RAL		Rabalanakaia
RAP	C	Rapindik
RPT		Raluana Point
SUL		Sulphur Creek
TAV		Tavurvur
TKA		Tanaka
TLS		Talasea
ULA	C	Ulamona
ULO		Ulamona
VUL		Vulcan
WAN		Wanliss Street
WITU		Witu Islands

NEW CALEDONIA

DZM		Mont Dzumac
KOU		Koumac
NOC	C	Nouméa
NOU		Nouméa
NOUC		Port Laguerre

NEW IRELAND

EDY		Kabakon Is
EKN		Konogogo
ELB		Lambom Is
KAV	C	Kavieng
KVG		Kavieng
LHIS		Lihir Island

SAMOA ISLANDS

AFI		Afiamalu
API		Apia

SOLOMON ISLANDS

AUK		Auki
GIZ		Gizo
HNR		Honiara
LBT		Labete
PIV	C	Piva
RKS		Reko
SVO	C	Savo
VSG		Visale

TONGA

NIU	C	Niumate
NUK		Nuku'alofa
TEK		Teeking

VANUATU (NEW HEBRIDES)

BKM		Butte a Klehm
DVP		Devils Point
EME		Emae
EPI		Epi
INH		Isangel
LMP		Lamap
LNR		Lonorore
LUG		Luganville
MBV		Mont Bernier

ZONE

Code		Station Name
PVC		Port Vila
RTV		Rentapao
SWB		Southwest Bay
VLN		Vanua Lava

WAKE ISLAND

WAKE		Wake Island
WKE	C	Wake

SOUTH AMERICA

ARGENTINA

BUENOS AIRES

BAA		Buenos Aires
CCR	C	Chacarita
LPA		La Plata
VBA		Sierra Ventana

CATAMARCA

ANL	C	Andalgalá

CÓRDOBA

BOS	C	Bosque Alegre
PIL		Pilar
TCA		Tanti

JUJUY

HJA		Humahuaca
JUJ		Jujuy
LQA	C	La Quiaca
YJA		Yavi

LA PAMPA

VCA		Vinchina

LA RIOJA

CCT	C	Chilecito
RTPR		Patquia

MENDOZA

MAA		Manantiales
MDZ		Mendoza
MEN	C	Mendoza
RFA		San Rafael

PATAGONIA

SCA	C	Santa Cruz

RIO NEGRO

CIP	C	Cipolletti
PLCA		Paso Flores

SALTA

FSA		Cafayete
SLA		San Lorenzo
SLT	C	Salta

SAN JUAN

CEN		Cerronegro
CFA		Coronel Fontana
HLN		Hualilan
LEO		Leoncito
PPA	C	Pie de Palo
RTBS		Barreal
RTCB		Cerro Blanco
RTCV		Cerro Valdivia
RTLL		Cerro Villicun
RTLS		Leoncito
RTMQ		Marquesado
RTRS		Rodeo
SJA		San Juan
ZON		Zonda

SAN LUIS

MRA		San Martín

SANTIAGO DEL ESTERO

CYA		Choya
SDE		Santiago Estero
TPA	C	Tala Pozo

TUCUMAN

TCM	C	Tucumán

BOLIVIA

CCH		Cochabamba
CNCB		Chanca
DSG	C	Desaguadero
LPAZ		La Paz
LPB		La Paz
LPZ		San Calixto
LZ–	C	La Paz
MOCB		Mochara
PNS	C	Peñas
RTA	C	Riberalta
SCS	C	Sicasica
SIV		San Ignacio
SMB	C	Samaipata
SUC	C	Sucre
TPZ		Tupiza
TRJ	C	Tarija
ZOBO		Zongo (La Paz)

BRAZIL

AREB		Areado
FNDO	C	F. de Noronha
NATB		Natividade
PTGA		Pitinga
SPB		Sao Paulo
TIB	C	Trinidade Is

ALAGOAS

XIN		Xingó

BAHIA

PDCR		Pedra do Cavalo
SOB		Sobradinho
SOB1		Sobradinho
SOB2		Sobradinho
SOB3		Sobradinho
SOB4		Sobradinho

DISTRITO FEDERAL

BAE		Brasilia Array
BAE1		Brasilia Array
BAE2		Brasilia Array
BAE3		Brasilia Array
BAE4		Brasilia Array
BAE5		Brasilia Array
BAEE		Brasilia Array
BAO		Brasilia Array
BAS1		Brasilia Array
BAS2		Brasilia Array
BAS3		Brasilia Array
BAS4		Brasilia Array
BAS5		Brasilia Array
BASE		Brasilia Array
BAW1		Brasilia Array
BAW2		Brasilia Array
BAW3		Brasilia Array
BAW4		Brasilia Array
BAWE		Brasilia Array
BCS*	C	Brasilia Array
BDF		Brasilia (W)
BDFB		Brasilia

MATO GROSSO

PTMB		Pôrto Murtinho

MINAS GERAIS

AGVB		Áqua Vermelha
ATDB		Astolofo Dutra
BRAS		Brasopolis
CDCB		Carmo do Cajuru
JFO		Juiz de Fora

PARÁ

ATB		Altamira
BEB		Belém

PARANÁ

FDA		Foz do Areia
FDA5		Foz do Areia Res.
ITB		Itaipu
ITB1		Itaipu 1
ITB7		Itaipu 7
RSTA		Tijuco Alta

PERNAMBUCO

ITR		Itaparica

RIO DE JANEIRO

BMA		Barra Mansa
ITA		Itatiaia
RDJ		Rio de Janeiro
TRRB		Tres Rios
VASS		Vassouras

RIO GRANDE DO NORTE

CAI		Caico
IPA		Ipanguacu
NAT	C	Natal

RIO GRANDE DO SUL

UFRS		Porto Alegre

RONDÔNIA

SRB		Samuel

SÃO PAULO

CACB		Caconde
PARB		Paraibuna
PPD		Presidente
RIFB		Rifaina
VAO		Valinhos
VAO2		Atibaia

CHILE

ACONCAGUA

ALH		Alicahue
CTP		Catapilco
JACH		Jahuel

ANTOFAGASTA

ANT		Antofagasta
CAC		Calama
LVC		Limón Verde
MIC		Michilla
MTQ		Monturaqui
MTZ	C	Montezuma
OAS		Oasis
OFA		Oficina Alemania
PEI	C	Peine
QUL		Quillagua
SLN		Salinas
TCN	C	Toconce
TCP	C	Tocopilla
TPL		Tocopilla

ATACAMA

CAA		Chañaral
CLD	C	Caldera
CPP		Copiapó
ESC	C	El Salvador
SDO	C	Salado

CAUTIN

TEM	C	Temuco
TMU		Temuco
VNV		Volcán Villarrica

CONCEPCIÓN

CON		Concepción

COQUIMBO

TLL		Tololo Obs.

LINARES

PAN	C	Panimávida
SJC	C	San Javier

MAGALLANES

PTA	C	Punta Arenas
SOM		Sombrero

MALLECO

ANGC		Angol

O'HIGGINS

CACH		El Canelo
CICH		Cipreses
COLN		Colón
SFDO		San Fernando

SANTIAGO

BACH		Barnechea
CHCH		Chados A.
EDC*	C	EscuelaIngeniería
FCH		Farellones
LCCH		Las Cruces
LQT		Los Queltehues
PCH		Pirque
PEL		Peldehue
PUT		Punta Talca
ROCH		El Roble
SAN		Santiago
SCR	C	San Cristóbal
SJM	C	San José Maipo
STL	C	Santa Lucía
TACH		Talagante

TARAPACÁ

ARI		Arica
IQQ		Iquique
OLL	C	Ollagüe

VALDIVIA

VLV		Valdivia

VALPARAÍSO

ELP		El Pangue
ELQ	C	El Quisco
IHA		Inst. Hidrografia
LAV	C	Laguna Verde
LNV		Longovilo
UTF		Valparaíso
VLP		Valparaíso

COLOMBIA

ANCC		Alto Anchicaya
AZUC		Azuc
BARC		Barichara
BCR	C	Bucaramanga
BETC		Betania
BMG		Bucaramanga
BOCO		Bogota
BOG		Bogotá
BUGC		Buga
CHIC		Chingaza
CHN		Chinchina
CLMC		Lago Colima
CMBC		Cumbal
CRUC		La Cruz
CUMC		Nevado Cumbal
DIAC		La Diana
ETC		El Centro
FLOC		Florencia
FUQ		Fúquené
GAL		Galerazamba
HELC		Santa Helena
HOBC		El Hobo
HOQC		Horqueta
MUNC		Munchique
PRAC		Prado
PSO		Pasto
PURC		Volcán Puracé
ROSC		El Rosal
RUSC		La Rusia
SALC		Salvajina
SILC		Silvia
SOLC		Bahıa Solano
SRD		San Andres
TATC		Tatamá
TOLC		Tolima

ECUADOR

AECU	C	Ecuador Network
ALTA		Alta Urco
ANGL		Ecuador
ANTI		Antisana
ARRY		Arrayan
BECU	C	Ecuador Network
CALV		Calvario
CARM		Carmen
CARS		Cars
CAYA		Cayambe
CECU	C	Ecuador Network
CGGP		Crater GGP
CHI1		Chimborazo
CHIM	C	Chimborazo
COTA		Cotacachi
CUMB		Cumbre
CUPA		Cupa
DOMO	C	Domo
ECEN		Cerro Negro
EDEN		Eden
GALE	C	Galera
GECU	C	Ecuador Network
GGP		Guagua P.
GUAL		Guallil
HIER		Hierbabuena
HOJA		Cerro de Hojas
IECU	C	Ecuador Network
JAMA		Jama
JUI3		Juive 3
JUIV		Juive
LORE		San Lorenzo
MAGD		Magdalena
MARY		Rancho Maria
MECU	C	Ecuador Network
MJAS		Monjas
MSON		Mazon
MUSH		Mushullacta
NAS1		Nasa
NCE	C	Nasa Cotopaxi
OAQ	C	Quito
PECU	C	Ecuador Network
PINO		Pino
PISA		Pisayambo
PUCR		Pucara
QIL1		Quilotoa
QITI		Quititos
QTO	C	Quito
QUI	C	Quito
QUIL		Quilotoa
QUND	C	Qund
QUR		Rumipamba
QUT	C	Tumbaco
RECU		Ecuador Network
RETU		Refugio
RUN2		Runtun
SALI		Salinas
SOCH		Soche
TAMB		Tambo
TENA		Tena
TUNG	C	Tungurahua
VC1		Cotopaxi 1
YANA		Yana

FRENCH GUIANA

CAY		Cayenne

PARAGUAY

CPUP		Villa Florida

PERU

ARE		Arequipa
ATI		Atico
AYE		Ayenquera
CHP1		Pelados
CHP2		Corcovado
CHP3		Chocan
CHP4		Algarobillo
CHP5		Huaypira
CHP7		Eten
CHP8		Chiclayo
CLA	C	Chala
CRV	C	Caraveli
CST		Castrovirreyna
CUS		Cuzco
HCO		Huánuco
HUA		Huancayo
HUZ		Huaráz
ICA		Ica
LIM		Lima
LM2	C	Lima (Magdalena)
MRF		Miraflores
NNA		Ñaña
ONG	C	Ongoro
PCS	C	Paracas
PP02		Calachota
PP03		Condor
PP04		Saramarca
PP05		Tocota
PP06		Puquio
PP07		Ayacucho
PP08		Chalhuanca
PP09		Villa El Salvador
PP10		Ancón
PT01		Morro Solar
PT02		Quilmaná
PT03		Guadalupe
PT04		Zamaca
PT05		Jicamarca
PT06		Pisco
PT08		Suche
PT09		Santa Fe
PT10		Camacho
PT11		Juni
PUN		Puno
PVP	C	Pueblo Viejo
QUM	C	Quillmana
SGP	C	San Gregorio
SHP	C	Santa Helena
SJN	C	San Juan, Perú
SJU		San Juan
TAL		Talara
TRP		Trujillo

VENEZUELA

ALTV		Alturitas
ANGV	C	Angostura
BARV		Barcelona
BAUT	C	Bautismo
BETV		Betijoque
BLV	C	Bailadores
CABA		Caballo Blanco
CAIV		Caigüire
CANV		Cerro Antonio
CAR		Caracas
CEDI		Cerro Diablo
CENE		Cerro Negro
CEOS		Cerro El Oso
CERV		Cerron
CRUV		Carúpano
CUM		Cumaná
EHV		El Hato
ELMO		Cerro Moro
ELPA		Fila Paraiso
FIPE		Fila de Piedra
FISA	C	Sacuragua
GMC		Macagua
GUAC		Guacamaya
GUAN		Valle Guanape
GUV		Guri
ISAV		Santa Isabel
LACU		La Cuchilla
LADA		La Danta
LAGU		Laguneta
LAGV		Lagunillas

ZONE

Code	Station Name
LAPE	La Pedrera
LGN	Lagunillas
LLAV	El Llanito
LORO	Los Roques
MANV	Manamana
MARA *C*	Maracay
MISV	Misoa
MOLL	Mollejon
MORO	Morrocoy
OLLA	Las Ollas
PALM *C*	Palmichal
PALR	Palma Real
PCRV	Puerto La Cruz
PLAV	Platillón
PMV	Pico Espejo
PRAV	El Prado
SAJV	Sajaritas
SDV	Santo Domingo
SIR	Siria
TGRV	El Tigre
TORT *C*	La Tortuga
TOV	El Tocuyo
UAV	Mérida
VIGV	El Vigia

AGENCIES REPORTING EPICENTRAL ESTIMATES

Code	Agency	Address
AAA	**ALMA-ATA.**	USSR
AAB	**ALMA-ATA 2.**	USSR. Now called Talgar
ABA	**ALGER-BOUZAREAH.**	(See ALG)
ADE	**ADELAIDE.**	Department of Mines and Energy, P.O. Box 151, Eastwood, South Australia.
ADH	**ANGRA DO HEROíSMO.**	Observatório Afonso Chaves, Ponta Delgada, Açores. (Communications to: Serviço Meteorológico Nacional, Rua C, Aeroporto, Lisboa-2, Portugal.)
AEIC	**ALASKA EARTHQUAKE INFORMATION CENTER.**	Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320, Fairbanks AK 99775-7320, U.S.A.
AFI	**AFIAMALU.**	Apia Observatory, P.O. Box 3020, Apia, Western Samoa.
AGS	**ALASKA SEISMIC PROJECT.**	U.S. Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A.
ALG	**ALGIERS UNIVERSITY.**	Institut de Météorologie et de Physique du Globe, Boîte Postale 1137, Alger, Algeria.
ALI	**ALICANTE.**	Observatorio Sismologico Vicente Inglada Alicante, Plaza San Juan de Dios 3, Alicante, Spain
ALM	**ALMERíA.**	Instituto Geográfico y Catastral, Observatorio Geofísico, Almería, Spain.
ANT	**ANTOFAGASTA.**	(See GUC)
API	**APIA OBSERVATORY.**	P.O. Box 3020, Apia, Western Samoa
APT	**CONNECTICUT.**	University of Connecticut, U.S.A.
AQU	**L'AQUILA.**	Italy
ARA0	**ARCESS.**	Norway
ARE	**AREQUIPA.**	Universidad Nacional de San Agustín, Sección de Sismología, Casilla 23, Arequipa, Peru.
ARO	**ARTA.**	Observatoire Geophysique d'Arta, B.P. 1888, Djibouti.
ASIES	**TAIWAN.**	Academia Sinica, Institute of Earth Sciences, P.O. Box 23-59, T'aipei, Taiwan.
ATH	**ATHENS.**	Seismological Institute, National Observatory of Athens, P.O. Box 20048, GR118 10 Athens, Greece.
AUST	**AUSTRALIA.**	Australian Geological Survey Organisation, P.O. Box 378, Canberra, A.C.T. 2601, Australia.
AVE	**AVERROES.**	Part of the SPGM network
BAA	**BUENOS AIRES.**	Servicio Meteorologico Nacional, 25 de Mayo 658, Buenos Aires, Argentina
BCIS	**BUREAU CENTRAL INTERNATIONAL DE SISMOLOGIE.**	5, rue René Descartes, F-67084 Strasbourg Cedex, France. Sometimes only preliminary determinations are reported. From 1976 January determinations issued by Centre Sismologique Euro-Méditerranéen.
BEO	**BELGRADE.**	Seismological Institute, 11001 Beograd Tasmajdan, P.O. Box 351, Serbia.
BER	**BERGEN.**	Seismological Observatory, Villavei 9, N-5000 Bergen, Norway.
BGS	**BRITISH GEOLOGICAL SURVEY.**	Global Seismology Unit, Murchison House, West Mains Road, Edinburgh, U.K. EH9 3LA
BJI	**BEIJING.**	Institute of Geophysics, State Seismological Bureau, Beijing, China.
BJT	**BAIJIATUAN.**	China
BKK	**BANGKOK.**	Meteorological Department, 612 Sukhumvit Road, Bangkok 11, Thailand.
BLA	**BLACKSBURG**	Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0434, U.S.A.
BNS	**BENSBERG.**	Erdbebenstation, Geologisches Institut der Universität Köln, Vinzenz-Pallotti-Strasse 26, 51429 Bergisch Gladbach, Germany.
BOG	**BOGOTÁ.**	Instituto Geofísico, Universidad Javeriana, Apartado Aéreo 56710, Bogotá 2, D. E Colombia.
BOU	**BOULDER.**	University of Colorado, Boulder, CO 80302, U.S.A.
BRA	**BRATISLAVA.**	Geofyzikálny ústav SAV, Dúbravská cesta, SK-842 28, Bratislava, Slovakia
BRK	**BERKELEY.**	Seismographic Station, Department of Geology and Geophysics, University of California, Berkeley, CA 94720, U.S.A. Depths are reported in four classes: *a* indicates a depth ranging from 0 to 5 km. *b* indicates a depth ranging from 6 to 10 km. *c* indicates a depth ranging from 11 to 15 km. *d* indicates a depth ranging from 16 to 30 km. Depths are reported in this *Catalogue* as the means of the above classes, *viz.* 3km for class *a*, 8 km for *b*, 13 km for *c* and 23 km for *d*.
BRS	**BRISBANE.**	Seismograph Station, University of Queensland, St Lucia, Brisbane 4067, Australia.
BUC	**BUCHAREST.**	Centre for Earth Physics and Seismology, P.O. Box MG-2, Bucharest-Magurele, R-76900, Romania.
BUD	**HUNGARIAN SEISMOLOGICAL INSTITUTE.**	H-1112 Budapest 11, Meredek u. 18, Hungary.
BUG	**BOCHUM.**	Ruhr-Universität Bochum, Institut für Geophysik, 44780 Bochum, Germany
BUL	**BULAWAYO.**	Goetz Observatory, P.O. Box AC 65, Ascot, Bulawayo, Zimbabwe.
BUT	**BUTTE.**	Montana Bureau of Mines and Geology, Butte, MT 59701, U.S.A.
CADCG	**CENTRAL AMERICA DATA CENTRE**	(See CASC)
CAN	**CANBERRA.**	Research School of Earth Sciences, Australian National University, P.O. Box 4, Canberra, A.C.T. 2601, Australia
CANSK	**CANADIAN AND SCANDINAVIAN NETWORKS.**	(See HFS)
CAR	**CARACAS.**	Instituto Sismológico, Apartado 6745, Caracas 1010A, Venezuela.
CASC	**CENTRAL AMERICAN SEISMIC CENTER.**	Escuela Centroamericano de Geologia, Universidad de Costa Rica, San Jose, Costa Rica
CGS	**COAST AND GEODETIC SURVEY OF THE UNITED STATES.**	Now NEIS
CLL	**COLLM BERG.**	Geophysikalisches Observatorium, Universität Leipzig, D-04758 Collm, Germany
CNG	**CHANGALANE.**	Seismographic Station, Meteorological Service of Mozambique, C.P. 256, Lourenço Marques.
CNH	**CHANGCHUN.**	China. (See BJI)
CNRM	**CENTRE NATIONAL DE RECHERCHE.**	B.P. 1346, R.P. Rabat, Morocco
COM	**COMITAN.**	México. (See TAC)
CRT	**CARTUJA.**	Spain. (See MDD)
CSEM	**CENTRE SISMOLOGIQUE EURO-MÉDITERRANÉEN.**	B.P. 12, 91680 Bruyeres-le-Chatel, France.
DASA	**DEFENSE ATOMIC SUPPORT AGENCY.**	(Now see DOE)
DBN	**DE BILT.**	Royal Netherlands Meteorological Institute, Division of Seismology, P.O. Box 201, 3730 AE de Bilt, Netherland.
DHMR	**NATIONAL SEISMOLOGICAL OBSERVATORY CENTER.**	Dhamar, Republic of Yemen.
DIAS	**DUBLIN INSTITUTE FOR ADVANCED STUDIES.**	5 Merrion Square, Dublin 2, Ireland.
DJA	**DJAKARTA.**	Seismological Section, Meteorological and Geophysical Service, Djalan Arief Rachman Hakim 3, Djakarta, Indonesia.
DOE	**DEPARTMENT OF ENERGY**	Nevada Operations Office, P.O. Box 14100, Las Vegas, NV 89114, U.S.A.
EAF	**EAST AFRICAN NETWORK.**	Comprising stations from Ethiopia, Kenya, Malawi, Uganda, Zambia and Zimbabwe
EBM	**ESEN BOULAK.**	Mongolia
ECX	**RED SISMICA DEL NOROESTE DE MÉXICO (RESOM).**	Centro de Investigacíon Cientifica y de Educacíon Superior de Ensenada (CICESE), Aptdo. Postal 2732, C.P. 22800, Ensenada, Baja California, México
EIDC	**EXPERIMENTAL (GSETT3) INTERNATIONAL DATA CENTER.**	Center for Monitoring Research, 1300 North 17th Street, Suite 1450, Arlington, VA 22209, U.S.A.
EKA	**ESKDALEMUIR ARRAY STATION.**	M.O.D. Blacknest, Brimpton, near Reading, Berkshire, U.K.
ENT	**ENTEBBE.**	Geological Survey and Mines Department, P.O. Box 9, Entebbe, Uganda.
ERDA	**ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION.**	(See DOE)
ESLA	**SONSECA.**	Spain
FBR	**FABRA.**	Fabra Observatory, Barcelona, Spain.

Code	Agency	Address
FDF	**FORT DE FRANCE.**	Part of TRN network
FIA0	**FINESSA**	Finland
FUR	**FÜRSTENFELDBRUCK.**	Geophysikalisches Observatorium der Universität München, Ludwigshöhe 8, 82256 Fürstenfeldbruck, Germany.
GBA	**GAURIBIDANUR ARRAY.**	Bhaba Atomic Research Centre, Trombay, Bombay-400085, India.
GEC2	**GERESS.**	Bayern, Germany
GLD	**GOLDEN.**	U.S. Geological Survey, Golden, CO 80401, U.S.A. (other than NEIS)
GM	**U.S. GEOLOGICAL SURVEY.**	Menlo Park, CA 94025, U.S.A.
GOL	**GOLDEN.**	Colorado School of Mines
GRA1	**GRÄFENBERG.**	Bayern, Germany
GS	**U.S. GEOLOGICAL SURVEY.**	(See USGS)
GUC	**GEOFíSICA UNIVERSIDAD DE CHILE.**	Departamento de Geología y Geofísica, Universidad de Chile, Avenida Blanco Encalada 2085, Santiago, Chile.
HAN	**HANNOVER.**	(See SZGRF)
HDC	**HEREDIA.**	Observatorio Vulcanologico y Sismologico de Costa Rica, Universidad Nacional, Apartado 86-3000, Heredia, Costa Rica.
HEL	**HELSINKI.**	Institute of Seismology, University of Helsinki, P.O. Box 26, Teollisuukatu 23, FIN-00014, Helsinki, Finland.
HFS	**HAGFORS.**	Hagfors Observatory, The National Defence Research Institute, S-10254 Stockholm, Sweden.
HFS1	**HAGFORS.**	Hagfors Observatory, Sweden
HFS2	**HAGFORS.**	Hagfors Observatory, Sweden
HKC	**HONG KONG.**	Hong Kong Observatory, Nathan Road, Kowloon, Hong Kong.
HNR	**HONIARA.**	Department of Geological Surveys, Box G24, Honiara, Solomon Islands.
HRVD	**HARVARD UNIVERSITY**	Department of Geological Sciences, Harvard University, Cambridge, MA 02138, U.S.A.
HVO	**HAWAIIAN VOLCANO OBSERVATORY.**	US Geological Survey, Hawaiian Volcano Observatory, P.O. Box 51, Hawaiian National Park, HI 96718-0051, U.S.A.
HYD	**HYDERABAD.**	(See NDI)
IGQ	**INSTITUTO GEOFISICO QUITO**	Escuela Politecnica Nacional, Quito, Ecuador.
IGS	**INSTITUTE OF GEOLOGICAL SCIENCES.**	Global Seismology Unit, Murchison House, West Mains Road, Edinburgh EH9 3LA, U.K.
IPRG	**INSTITUTE FOR PETROLEUM RESEARCH AND GEOPHYSICS.**	P.O. B2286, Holon 58122, Israel.
ISC	**INTERNATIONAL SEISMOLOGICAL CENTRE.**	Pipers Lane, Thatcham, Berkshire, U.K. RG19 4NS
ISC1	**INTERNATIONAL SEISMOLOGICAL CENTRE.**	Pipers Lane, Thatcham, Berkshire, U.K. RG19 4NS
ISK	**ISTANBUL.**	Kandilli Observatory, Çengelköyü, Istanbul, Turkey.
IST	**ISTANBUL.**	Institute of Physics of the Earth, Technical University of Istanbul, Teşvikiye, Istanbul, Turkey.
JEN	**JENA.**	Friedrich-Schiller-Universität, Institut für Geowissenschaften, Burgweg 11, 07743 Jena, Germany.
JER	**JERUSALEM.**	Seismological Laboratory, Geological Survey of Israel, Geography Building, Hebrew University Campus, Jerusalem, Israel.
JMA	**JAPAN METEOROLOGICAL AGENCY.**	Ote-Machi, Chiyoda-Ku, Tō kyō, Japan.
JOH	**JOHANNESBURG.**	Bernard Price Institute of Geophysics, University of Witwatersrand, P.O. Box 7919, Johannesburg, South Africa.
JSA	**JESUIT SOCIETY OF AMERICA.**	(See SLM)
JSO	**JORDAN SEISMOLOGICAL OBSERVATORY.**	Natural Resources Authority, P.O. Box 7, Amman, Jordan.
KAF	**KANGASNIEMI.**	Finland
KBC	**KUMBA.**	Institute de Recherches Géologiques et Minières, MESRES, PMB 17, Kumba, SW Province, Cameroon.
KBL	**KABUL.**	Afghanistan Seismological Observatory, Faculty of Engineering, Kabul University, Afghanistan.
KEW	**KEW.**	Kew Observatory, Richmond, Surrey, U.K. (Now IGS)
KHC	**KAS*PERSKÉ HORY.**	Geofysikálni ústav CAV, Bocni II/1401, 141-31 Praha 4, Czech Republic.
KHO	**KHOROG.**	Tadzhikistan. (See MOS)
KIR	**KIRUNA.**	Sweden. (See UPP)
KLM	**KUALA LUMPUR.**	Malaysian Meteorological Service, Jalan Sultan, Petaling Jaya, Selangor, West Malaysia.
KRL	**KARLSRUHE.**	Erdbebenwarte, Geodätisches Institut der Universität Karlsruhe, Englerstrasse 7, 76131 Karlsruhe, Germany.
KRSC	**KAMCHATKA REGIONAL SEISMOLOGICAL CENTRE.**	Geophysical Service, Russian Academy of Sciences, Petropavlovsk-Kamchatskiy, Kamchatka, Russia
KSA	**KSARA.**	Observatoire de Ksara, 8032 Zahle, Lebanon.
KUK	**ACCRA.**	Geological Survey Department, P.O. Box M.80, Accra, Ghana.
LAO	**LARGE APERTURE SEISMIC ARRAY.**	Seismic Discrimination Group, Lincoln Laboratory, M.I.T., 42 Carleton Street, Cambridge, MA 02142, U.S.A.
LDG	**LABORATOIRE DE DÉTECTION ET DE GÉOPHYSIQUE.**	Section Traitment de Données Géophysique, B.P. 12, 91680 Bruyeres-le-Chatel, France.
LDO	**LAMONT-DOHERTY EARTH OBSERVATORY.**	Seismology Department, Lamont-Doherty Geological Observatory, Palisades, NY 10964, U.S.A.
LED	**LANDESERDBEBENDIENST DES GEOLOGISCHEN LANDESAMTES BADEN-WÜRTTEMBERG**	(See LEDBW)
LEDBW	**LANDESERDBEBENDIENST DES GEOLOGISCHEN LANDESAMTES BADEN-WÜRTTEMBERG**	Albertstrasse 5, 79104 Freiburg, Germany
LEM	**LEMBANG.**	Indonesia. (See DJA)
LIC	**LAMTO.**	Station Geophysique, BP 31, N'Douci, Ivory Coast.
LIM	**LIMA.**	Peru. (See ARE)
LIS	**LISBON.**	Instituto Geofísico do Infante D. Luís, Rua C, Aeroporto, Lisboa-2, Portugal.
LJU	**LJUBLJANA.**	Seizmološki zavod SR Slovenije, Kersnikova 3, 61000 Ljubljana, Republic of Slovenia.
LPZ	**LA PAZ.**	Observatorio San Calixto, Casilla 5939, La Paz, Bolivia
LSZ	**LUSAKA**	Geological Survey Department, P.O. Box 50135, Lusaka, Zambia.
LTX	**LAJITAS**	Texas, U.S.A.
LVV	**LVOV.**	Ukraine (See MOS)
LWI	**LWIRO.**	Centre de Geophysique, I.R.S. Lwiro(Kivu), d/s Bukavu, Zaire
MAL	**MALAGA.**	Spain. (See MDD)
MAN	**PHIVOLCS.**	Philippine Institute of Volcanology and Seismology, 29 Quezon Avenue, Quezon City, Philippines. (formerly Philippine Atmospheric, Geophysical, Astronomical Services Administration)
MAT	**MATSUSHIRO.**	Nagano, Japan
MDD	**MADRID.**	Instituto Geográfico y Catastral, Servicio de Sismología e Ingeniería Sísmica, Calle del General Ibáñez de Ibero 3, Apartado 3007, Madrid 3, Spain.
MER	**MERIDA.**	México. (See TAC)
MES	**MESSINA.**	Italy
MEX	**MEXICO**	Instituto de Geofísica, Aptdo Postal 212 82, Ciudad Universitaria, CP04000 México D.F., México.
MLR	**MUNTELE ROSU.**	Romania
MNH	**MUNICH.**	Institut für Angewandte Geophysik der Universität München, Theresienstr. 41, 80333 München, Germany
MOS	**MOSCOW.**	Institute of Physics of the Earth, Bolshaya Gruzinskaya 10, Moscow, D-242, Russia. In some cases the following applies: 'MB' denotes body-wave magnitude from SKM short-period vertical instruments. 'MS' denotes surface-wave magnitude from SK medium-period vertical instruments.
MSI	**MESSINA.**	Istituto Nazionale di Geofisica, Messina, Sicilia, Italy.
MSSP	**MICRO SEISMIC STUDIES PROGRAMME, PINSTECH.**	Post Office Nilore, Rawalpindi, Pakistan.

Code	Agency	Address
MUN	**MUNDARING.**	Mundaring Observatory, Western Australia
NAI	**NAIROBI.**	Geology Department, University of Nairobi, Nairobi, Kenya
NAN	**NANKING.**	China. (See BJI)
NAO	**NORSAR.**	NTNF/NORSAR, P.O. Box 51, N-2007 Kjeller, Norway
NDI	**DELHI.**	Meteorological Department, Government of India, Lodi Road, New Delhi 110003, India.
NEIC	**NATIONAL EARTHQUAKE INFORMATION CENTER.**	U.S. Geological Survey Stop 967, National Earthquake Information Center, Box 25046, DFC, Denver CO 80225-0046, U.S.A.
NEIS	**NATIONAL EARTHQUAKE INFORMATION SERVICE.**	(See NEIC)
NEU	**NEUCHATEL.**	Switzerland. (See ZUR)
NOU	**NOUMÉA.**	Observatoire de Géophysique, Centre O.R.S.T.O.M. de Nouméa, Nouméa, New Caledonia.
NPO	**NORTH POLE.**	U.S.A.
NRA0	**NORESS.**	Norway
NSSC	**NATIONAL SYRIAN SEISMOLOGICAL CENTER.**	Ministry of Petroleum and Mineral Resources, Damascus, Syria
NUR	**NURMIJARVI.**	Finland. (See HEL)
OAX	**OAXACA.**	México. (See TAC)
OBM	**ULAN-BATOR.**	Mongolia
OSS	**OVA SPIN.**	Switzerland
OTT	**OTTAWA.**	Energy, Mines and Resources Canada, Seismology Division, 1 Observatory Crescent, Ottawa, Ontario, K1A OY3 Canada.
PAS	**PASADENA.**	California Institute of Technology, Seismological Laboratory, 252-21 Pasadena, CA 91125, U.S.A.
PAV	**PAVIA.**	Italy. (See ROM)
PDA	**PONTA DELGADA.**	Universidade dos Açores, Departamento de Geociências, 9502 Ponta Delgada, Açores.
PDG	**PODGORICA.**	Seismological Institute of Montenegro. 81000 R. Burica 2, Podgorica, Montenegro. (Previously Titograd (TTG))
PEK	**PEKING.**	(See BJI)
PFO	**PINYON FLAT OBSERVATORY.**	California, U.S.A.
PGC	**PACIFIC GEOSCIENCE CENTRE.**	9860 West Saanich Road, P.O. Box 6000, Sidney, British Columbia, Canada.
PIN	**PINEDALE.**	Wyoming, U.S.A.
PIST	**P. STAHL.**	6 Rue Paul Langevin, F 64000 Pau, France.
PMG	**PORT MORESBY.**	Port Moresby Geophysical Observatory, P.O. Box 323, Port Moresby, Papua New Guinea.
PMR	**PALMER.**	Alaska Tsunami Warning Center, 910 S Felton Street, Palmer AK 99645, U.S.A.
POO	**POONA OBSERVATORY.**	India. (See NDI)
PPT	**PAPEETE.**	Laboratoire de Géophysique, B.P. 640, Papeete, French Polynesia.
PRA	**PRAGUE.**	Czech Republic
PRE	**PRETORIA.**	Geological Survey, Department of Mines, P.B. X112, Pretoria 0001, South Africa.
PRU	**PRU*HONICE.**	Geofysikálni ústav CAV, Bocni II/1401, 141-31 Praha 4, Czech Republic.
PTO	**PORTO.**	Instituto Geofísico da Universidade do Porto, Serra do Pilar-Vila Nova de Gaia, Portugal.
QCP	**MANILA OBSERVATORY.**	Ateneo de Manila Campus, P.O. Box 2232, 1062 Manila, Philippines.
QDM	**QUEENSLAND.**	Queensland Department of Mines, Brisbane, Queensland 4067, Australia.
QUE	**QUETTA.**	Geophysical Centre, Pakistan Meteorological Department, P.O. Box 2, Quetta, Pakistan.
RAB	**RABAUL.**	Volcanological Observatory, P.O. Box 386, Rabaul, Papua New Guinea.
RBA	**RABAT.**	Institut Scientifique, Université Mohammed V, Charia Ibn Batouta, B.P. 703, Rabat, Morocco.
REN	**UNIVERSITY OF NEVADA.**	MacKay School of Mines, University of Nevada, Reno, NV 89507, U.S.A.
REY	**REYKJAVíK.**	Vedurstofa Islands, Reykjavík, Iceland.
RIV	**RIVERVIEW OBSERVATORY.**	Sydney, Australia
RMIT	**ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY.**	Seismology Research Centre, Bundoora, Victoria 3083, Australia.
ROC	**ROCHESTER.**	Odenbach Seismic Observatory, McQuaid Jesuit High School, 1800 Clinton Avenue South, Rochester, NY, U.S.A
ROM	**ROME.**	Istituto Nazionale di Geofisica, Via Vigna Murata 605, 00143 Roma, Italy.
RRLJ	**REGIONAL RESEARCH LABORATORY JORHAT.**	Jorhat 785006, Assam, India.
RSMAC	**RED SISMICA MEXICANA DE APERTURA CONTINENTAL.**	IIMAS-UNAM, Apartado 20-726, México D.F., México.
RYD	**KING SAUD UNIVERSITY.**	Riyadh 11451, Saudi Arabia.
SAN	**SANTIAGO.**	Chile. (See GUC)
SAR	**SARAJEVO.**	Seismological Station, Hydrometeorological Institute, Grdonj 36, P.O. Box 620, Sarajevo, Bosnia-Hercegovina.
SCB	**SAN CALIXTO.**	Observatorio San Calixto, Casilla 12656, La Paz, Bolivia.
SEA	**SEATTLE.**	Geophysics Program AK-50, University of Washington, Seattle WA 98195, U.S.A.
SET	**SÉTIF.**	Sétif Observatory, Sétif, Algeria.
SHI	**SHIRAZ OBSERVATORY.**	P.O. Box 66, Shiraz, Iran
SHL	**SHILLONG.**	Central Seismological Observatory, Shillong-5, Assam, India.
SJS	**INSTITUTO COSTARRICENSE DE ELECTRICIDAD.**	Apartado 10032, San José, Costa Rica.
SKHL	**SAKHALIN EXPERIMENTAL AND METHODOLOGICAL SEISMOLOGICAL DEPARTMENT.**	Geophysical Survey, Russian Academy of Sciences, 2 Tihookeanskaya, Yuzhno-Sakhalinsk, Russia, 693010 'K' denotes Solov'ev's Energy Class; K = 2Ms + 1.2
SKL	**NOVOALEKSANDROVSK.**	Sakhalin Complex Scientific Research Institute, Novoaleksandrovsk, Sakhalin, Russia. TYPE 'A' implies the error in epicentral position is less than 25 km. TYPE 'B' implies the error in epicentral position is less than 50 km.
SKO	**SKOPJE.**	University Seismological Observatory, P.O. Box 422, 91001 Skopje, Macedonia.
SLM	**SAINT LOUIS.**	Department of Earth and Atmospheric Sciences, P.O. Box 8099, Laclede Station, Saint Louis, MO 63156, U.S.A.
SMI	**SMITHSONIAN INSTITUTION.**	Centre for Short-lived Phenomena, 60 Garden Street, Cambridge, MA 02138, U.S.A.
SOD	**SODANKYLA.**	Finland. (See HEL)
SOF	**SOFIA.**	Section of Seismology, B.A.S. Geophysical Institute, Moscovska 6, Sofia, Bulgaria.
SPC	**SKALNATE-PLESO.**	Slovak Republic. (See BRA)
SPGM	**MOROCCO.**	Service de Physique du Globe (see RBA).
SSS	**SAN SALVADOR.**	Centro de Estudios y Investigaciónes Geotécnicas, Sección de Sismología, Apartado 109, San Salvador, El Salvador.
STK	**STOCKHOLM.**	(See HFS)
STL	**SANTA LUCIA.**	Chile. (See GUC)
STR	**STRASBOURG.**	Institut de Physique du Globe,Université Louis Pasteur, 5 Rue René Descartes, 67084 Strasbourg Cedex, France.
STU	**STUTTGART.**	(See LEDBW)
SZGRF	**SEISMOLOGISCHES ZENTRALOBSERVATORIUM GRÄFENBURG.**	Krankenhausstr. 1, 91054 Erlangen, Germany
TAB	**TABRI*Z.**	Seismological Observatory, P.O. Box 51335-685, Tabrīz, Iran.
TAC	**TACUBAYA.**	Instituto de Geofísica, Aptdo Postal 212 82, Ciudad Universitaria, CP04000 México D.F., México.
TAN	**ANTANANARIVO.**	Institut et Observatoire Geophysique d'Antananarivo, B.P. 3843, Antananarivo 101, Madagascar.
TAP	**T'AIPEI.**	Central Weather Bureau, 64 Kung Yuan Road, T'aipei, Taiwan 10039.
TAU	**TASMANIA.**	Geology Department, University of Tasmania, Box 252 C GPO, Hobart TAS 7001, Australia
TEH	**TEHRA*N OBSERVATORY.**	Geophysical Institute, Tehrān University, Iran
TEIC	**CENTER FOR EARTHQUAKE RESEARCH AND INFORMATION.**	Memphis University, Memphis, TN 38152, U.S.A. (formerly Tennessee Earthquake Information Center)
THE	**THESSALONIKI**	University of Thessaloniki, Mail Box 352-1, GR-54006, Thessaloniki, Greece
TIF	**TBILISI.**	Institute of Geophysics, Academy of Sciences of Georgia, Tbilisi 380093, Georgia.

Code	Agency	Address
TIR	**TIRANA.**	Seismological Centre, Academy of Sciences of Albania, Tirana, Albania.
TOK	**TOKYO OBSERVATORY.**	Japan. (See JMA)
TOL	**TOLEDO OBSERVATORY.**	Spain. (See MDD)
TRI	**TRIESTE.**	Osserv. Geofisico Sperimentale, Sezione Sismologia, P.O. Box 2011, 34016 Trieste, Italy.
TRN	**TRINIDAD.**	Seismic Research Unit, University of the West Indies, St. Augustine, Trinidad, Trinidad and Tobago. Some TRN estimates do not give origin time. In these cases, the time is taken to be that of the first associated observation but it is printed only to the nearest hour.
TTG	**TITOGRAD.**	(See PDG)
TUL	**TULSA.**	Oklahoma Geophysical Observatory, Oklahoma Geological Survey, University of Oklahoma, Box 8, Leonard, OK 74043, U.S.A.
TUN	**TUNIS.**	Institut National de la Metéorologie, C.P. 22, Tunis, Tunisia.
TZN	**TANZANIA.**	Department of Physics, University of Dar es Salaam, P.O. Box 35063, Tanzania
UCC	**UCCLE.**	Observatoire Royal de Belgique, Uccle, 3 Avenue Circulaire, B-1180 Bruxelles, Belgium.
UPP	**UPPSALA.**	Seismological Institute, Box 12019, S-75012 Uppsala, Sweden.
USAEC	**UNITED STATES ATOMIC ENERGY COMMISSION.**	(See DOE)
USCGS	**UNITED STATES COAST AND GEODETIC SURVEY.**	(See NEIC)
USGS	**US GEOLOGICAL SURVEY.**	345 Middlefield Road, Menlo Park, CA 94025, U.S.A.
UVC	**COLOMBIA.**	Universidad del Valle, Cali, Colombia.
VIE	**VIENNA.**	Zentralanstalt für Meteorologie und Geodynamik, Hohe Warte 38, A-1190 Wien, Austria.
VLA	**VLADIVOSTOK.**	Russia. (See MOS)
VRAC	**VRANOV.**	Czech Republic
VSI	**VOLNET.**	Seismological Laboratory, University of Athens, Panepistimiopoli, Athens 15784, Greece.
WAR	**WARSAW.**	Institute of Geophysics, Polish Academy of Sciences, Ul. Ksiecia Janusza 64, 01-452 Warsaw, Poland.
WEL	**WELLINGTON.**	Seismological Observatory, Geophysics Division, I.G.N.S., P.O. Box 1320, Wellington, New Zealand.
WES	**WESTON OBSERVATORY.**	Department of Geology and Geophysics, Boston College, 381 Concord Road, Weston, MA 02193, U.S.A.
WMO	**WICHITA MOUNTAINS OBSERVATORY.**	Oregon. (See NEIS)
ZAG	**ZAGREB.**	Geophysical Institute, Faculty of Sciences, University of Zagreb, Grič 3 P.O. Box 9, Zagreb 41103, Croatia.
ZSC	**ZOSE STATION.**	China. (See BJI)
ZUR	**ZURICH.**	Schweizerischer Erdbebendienst, Institut für Geophysik, ETH-Hönggerberg, CH-8093 Zürich, Switzerland.